

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
 Data File : BF110166.D  
 Acq On : 25 Oct 2018 17:54  
 Operator : JU/SJ  
 Sample : J5636-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

Manual Integrations  
 APPROVED

Sohil  
 10/26/2018 3:49:18 PM

Quant Time: Oct 26 04:22:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 23 15:06:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 156450   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.25  | 136  | 629390   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 10.01 | 164  | 299850   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.50 | 188  | 543574   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.15 | 240  | 296489   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.67 | 264  | 275136   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 1298181 | 135.12 | ng | 0.00  |
| 7) Phenol-d6             | 6.60  | 99  | 1665530 | 135.54 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 1051339 | 99.08  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.81 | 330 | 391453  | 131.79 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.33  | 172 | 1753857 | 91.85  | ng | -0.01 |
| 79) Terphenyl-d14        | 13.09 | 244 | 1446420 | 101.46 | ng | -0.01 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.90 | 88  | 142114  | 28.234 | ng | 90     |
| 3) Pyridine                    | 3.68 | 79  | 416654  | 37.164 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.63 | 42  | 214055  | 45.572 | ng | 90     |
| 6) Aniline                     | 6.64 | 93  | 317813  | 19.854 | ng | # 52   |
| 8) 2-Chlorophenol              | 6.76 | 128 | 440676  | 39.785 | ng | 99     |
| 9) Benzaldehyde                | 6.52 | 77  | 229847  | 29.989 | ng | 97     |
| 10) Phenol                     | 6.61 | 94  | 691170  | 52.619 | ng | # 68   |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 409957  | 37.935 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146 | 455880  | 37.400 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146 | 468434  | 37.998 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146 | 429656  | 37.543 | ng | 100    |
| 15) Benzyl Alcohol             | 7.11 | 79  | 398450  | 42.158 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 676708  | 39.164 | ng | 68     |
| 17) 2-Methylphenol             | 7.22 | 107 | 370063  | 41.922 | ng | # 80   |
| 18) Hexachloroethane           | 7.48 | 117 | 169816  | 37.624 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 303634  | 38.515 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 467179  | 40.943 | ng | 91     |
| 22) Acetophenone               | 7.37 | 105 | 607606  | 41.897 | ng | 95     |
| 24) Nitrobenzene               | 7.55 | 77  | 466783  | 42.608 | ng | 97     |
| 25) Isophorone                 | 7.79 | 82  | 850854  | 47.039 | ng | 96     |
| 26) 2-Nitrophenol              | 7.87 | 139 | 234113  | 44.907 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 7.89 | 122 | 407072  | 47.096 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93  | 534156  | 43.470 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.10 | 162 | 379310  | 43.438 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.19 | 180 | 392045  | 40.081 | ng | 96     |
| 31) Naphthalene                | 8.27 | 128 | 1285194 | 44.305 | ng | 100    |
| 32) Benzoic acid               | 7.89 | 122 | 407072  | 60.936 | ng | # 11   |
| 33) 4-Chloroaniline            | 8.32 | 127 | 135990  | 10.417 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.38 | 225 | 208807  | 38.448 | ng | 98     |
| 35) Caprolactam                | 8.69 | 113 | 132922m | 43.673 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 411808  | 43.611 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.97 | 142 | 877206  | 45.706 | ng | 98     |
| 38) 1-Methylnaphthalene        | 9.07 | 142 | 821483  | 44.292 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 361649  | 38.709 | ng | 98     |

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Instrument :  
 BNA\_F  
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 HP-GRID-BMS

Manual Integrations  
 APPROVED

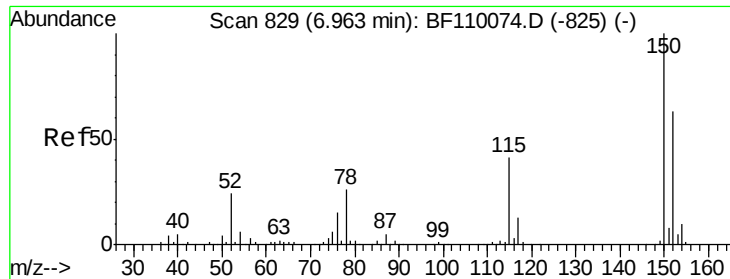
Sohil  
 10/26/2018 3:49:18 PM

Quant Time: Oct 26 04:22:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 23 15:06:18 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.12  | 237  | 308595   | 64.597  | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.25  | 196  | 257391   | 42.714  | nq    | 96       |
| 44) 2,4,5-Trichlorophenol      | 9.28  | 196  | 272640   | 42.803  | nq    | 94       |
| 46) 1,1'-Biphenyl              | 9.43  | 154  | 1041368  | 38.405  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.46  | 162  | 790265   | 39.732  | nq    | 98       |
| 48) 2-Nitroaniline             | 9.55  | 65   | 267249   | 44.340  | nq    | 97       |
| 49) Acenaphthylene             | 9.87  | 152  | 1254438  | 43.666  | nq    | 98       |
| 50) Dimethylphthalate          | 9.73  | 163  | 1187123  | 53.633  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.80  | 165  | 212153   | 44.497  | nq #  | 83       |
| 52) Acenaphthene               | 10.05 | 154  | 767854   | 40.403  | nq    | 97       |
| 53) 3-Nitroaniline             | 9.96  | 138  | 143285   | 25.272  | nq    | 93       |
| 54) 2,4-Dinitrophenol          | 10.07 | 184  | 21308    | 15.707  | nq    | 88       |
| 55) Dibenzofuran               | 10.22 | 168  | 1081018  | 40.627  | nq    | 96       |
| 56) 4-Nitrophenol              | 10.13 | 139  | 450390   | 107.330 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.20 | 165  | 276918   | 45.727  | nq #  | 82       |
| 58) Fluorene                   | 10.56 | 166  | 854098   | 43.129  | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.33 | 232  | 217440m  | 41.881  | nq    |          |
| 60) Diethylphthalate           | 10.43 | 149  | 906734   | 41.966  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.55 | 204  | 399153   | 38.208  | nq    | 98       |
| 62) 4-Nitroaniline             | 10.59 | 138  | 214348   | 38.010  | nq    | 91       |
| 63) Azobenzene                 | 10.71 | 77   | 872069   | 40.662  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 60605    | 24.404  | nq    | 93       |
| 66) n-Nitrosodiphenylamine     | 10.67 | 169  | 767465   | 43.045  | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 11.05 | 248  | 241777   | 41.006  | nq    | 98       |
| 68) Hexachlorobenzene          | 11.11 | 284  | 243021   | 38.846  | nq #  | 90       |
| 69) Atrazine                   | 11.20 | 200  | 246736   | 43.791  | nq    | 99       |
| 70) Pentachlorophenol          | 11.30 | 266  | 204455   | 56.046  | nq    | 97       |
| 71) Phenanthrene               | 11.53 | 178  | 1356656  | 47.698  | nq    | 99       |
| 72) Anthracene                 | 11.58 | 178  | 1275685  | 44.747  | nq    | 100      |
| 73) Carbazole                  | 11.73 | 167  | 1064920  | 38.257  | nq    | 100      |
| 74) Di-n-butylphthalate        | 12.05 | 149  | 1314607  | 41.816  | nq    | 100      |
| 75) Fluoranthene               | 12.72 | 202  | 1284871  | 44.512  | nq    | 99       |
| 77) Benzidine                  | 12.84 | 184  | 290552   | 29.776  | nq    | 96       |
| 78) Pyrene                     | 12.96 | 202  | 1238938  | 58.287  | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.56 | 149  | 450153   | 48.792  | nq    | 97       |
| 81) Benzo(a)anthracene         | 14.14 | 228  | 820044   | 46.640  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 148419   | 24.242  | nq    | 98       |
| 83) Chrysene                   | 14.18 | 228  | 758601   | 45.426  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 595301   | 47.733  | nq    | 96       |
| 85) Di-n-octyl phthalate       | 14.73 | 149  | 886150   | 45.696  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.24 | 276  | 659439   | 47.599  | nq    | 96       |
| 88) Benzo(b)fluoranthene       | 15.22 | 252  | 746342   | 46.975  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.25 | 252  | 596814m  | 38.209  | nq    |          |
| 90) Benzo(a)pyrene             | 15.61 | 252  | 654761   | 44.786  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.26 | 278  | 551954   | 43.755  | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.72 | 276  | 515361   | 41.459  | nq #  | 95       |

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





#1

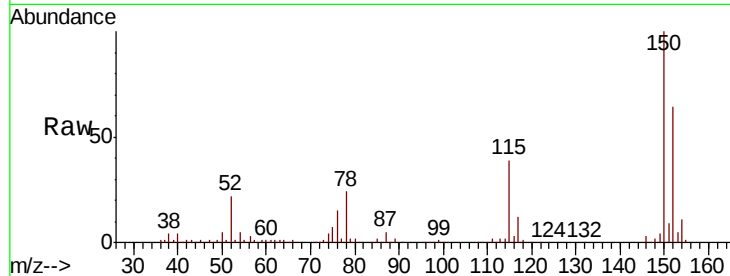
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 122.7 | 184.1 |
| 115     | 61.0  | 49.1  | 73.7  |

Manual Integrations  
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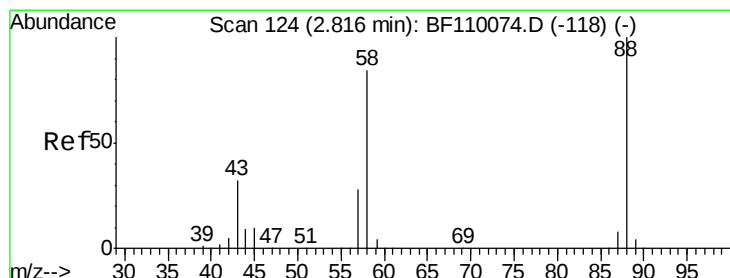
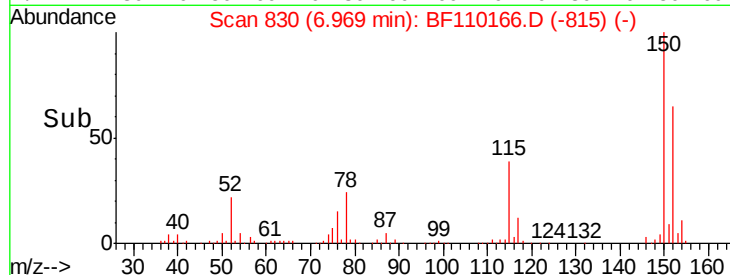
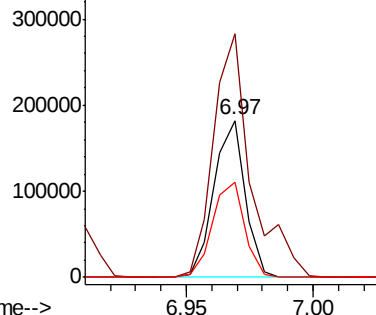


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

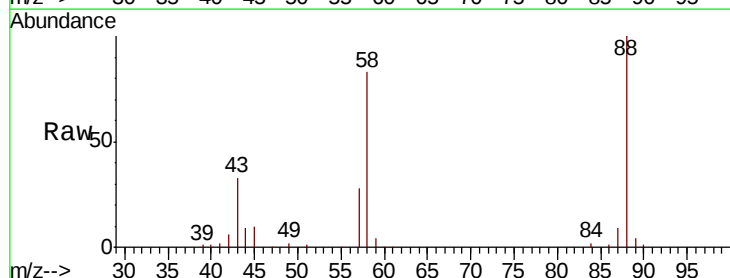
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 28.234 ng  
RT: 2.90 min Scan# 139  
Delta R.T. 0.06 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 81.9  | 57.1  | 85.7  |
| 43      | 32.2  | 24.1  | 36.1  |

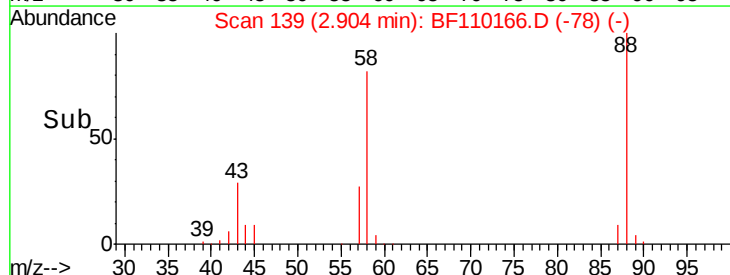
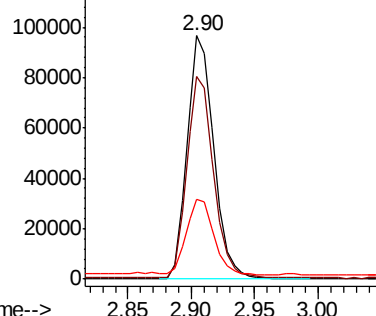


Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 37.164 ng

RT: 3.68 min Scan# 270

Delta R.T. 0.06 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

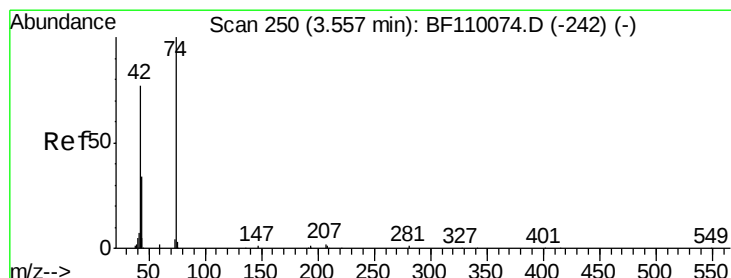
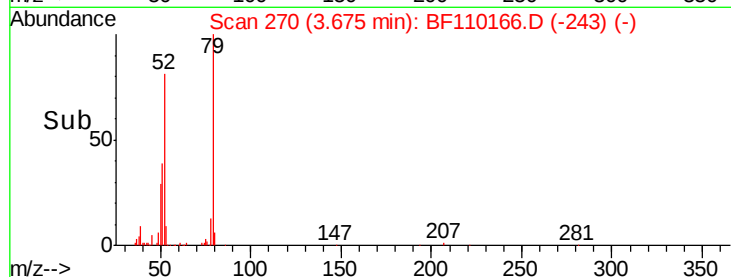
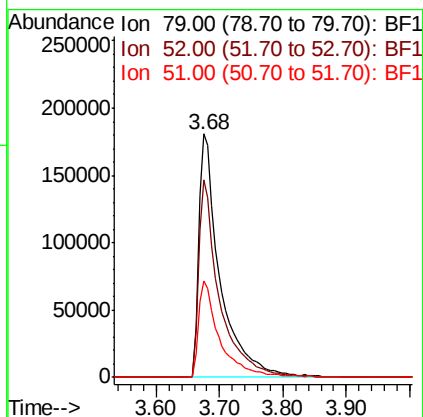
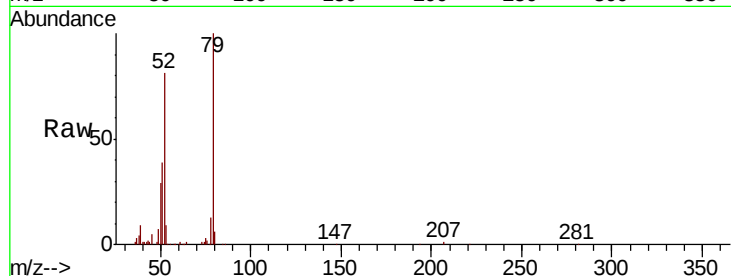
ClientSampleId :

HP-GRID-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 416654 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 81.1  | 53.1  | 79.7#  |
| 51        | 39.5  | 27.4  | 41.2   |

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#4

n-Nitrosodimethylamine

Concen: 45.572 ng

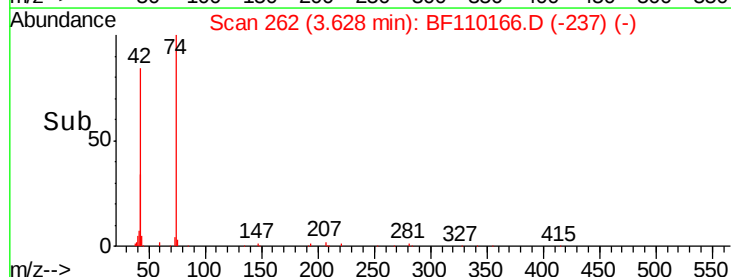
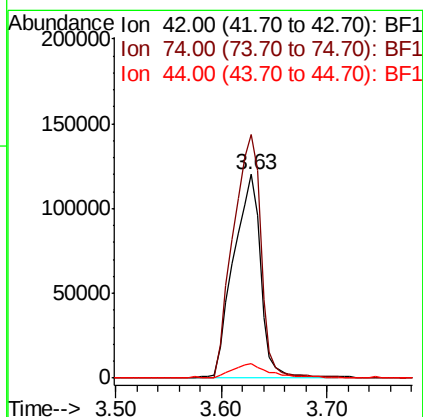
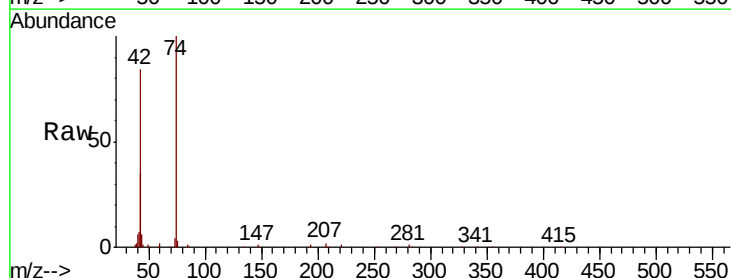
RT: 3.63 min Scan# 262

Delta R.T. 0.05 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 214055 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 119.5 | 105.5 | 158.3  |
| 44        | 6.9   | 4.9   | 7.3    |





#5

2-Fluorophenol

Concen: 135.125 ng

RT: 5.60 min Scan# 598

Delta R.T. 0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

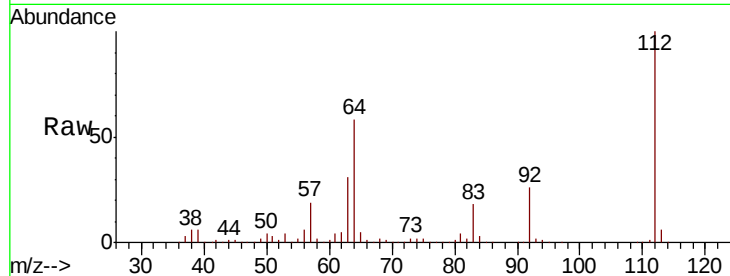
ClientSampleId :

HP-GRID-BMS

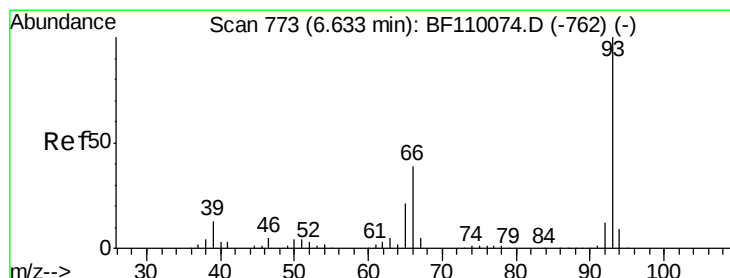
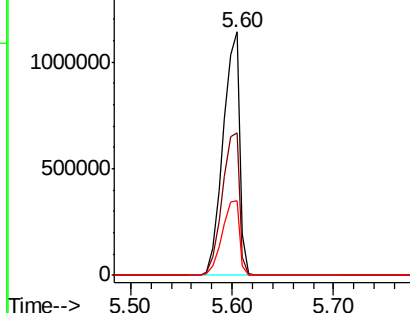
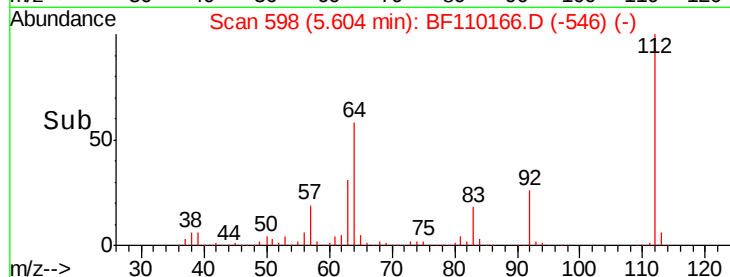
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 112   | Resp: | 1298181 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 58.3  | 44.1  | 66.1    |
| 63        | 30.6  | 23.7  | 35.5    |

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



#6

Aniline

Concen: 19.854 ng

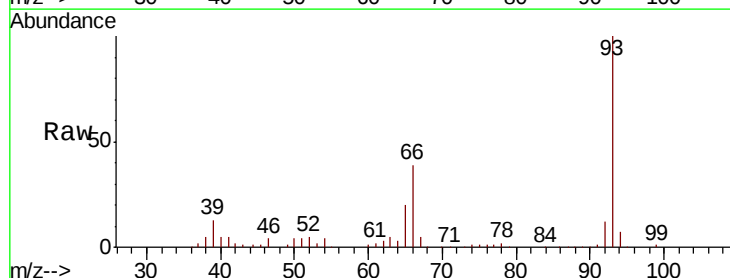
RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

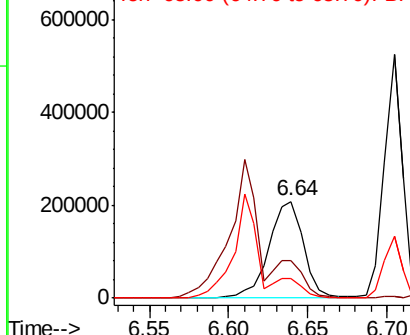
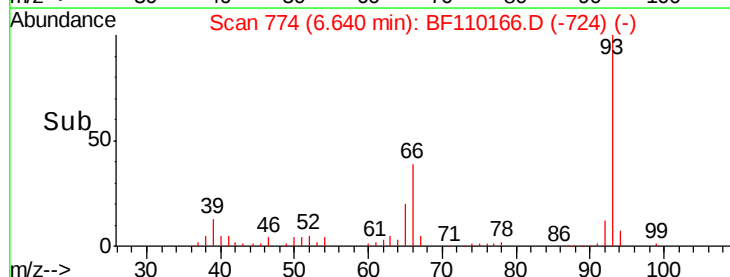
Lab File: BF110166.D

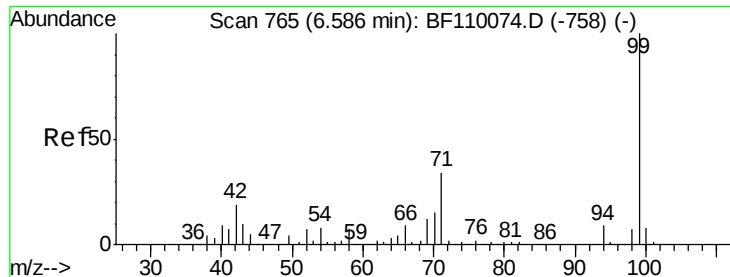
Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 317813 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 39.2  | 67.4  | 101.0# |
| 65        | 19.9  | 41.0  | 61.4#  |



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: 135.536 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

ClientSampleId :

HP-GRID-BMS

Tot Ion: 99 Resp: 1665530

Ion Ratio Lower Upper

99 100

42 19.7 15.8 23.6

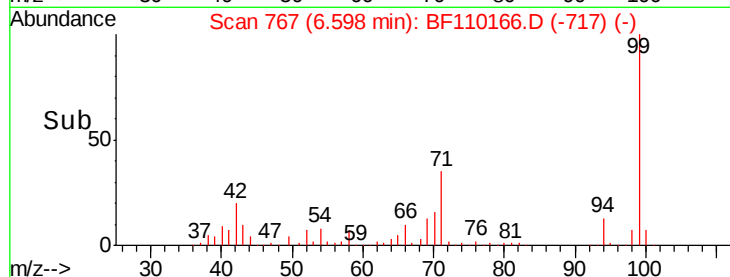
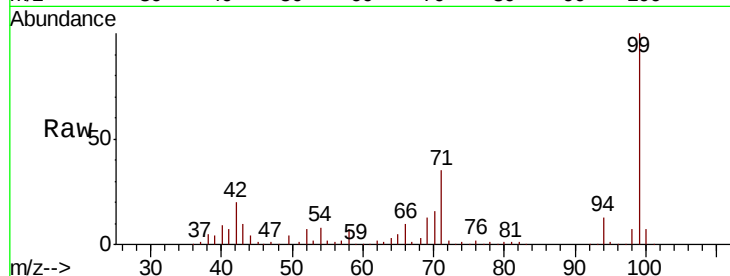
71 35.3 28.0 42.0

Manual Integrations

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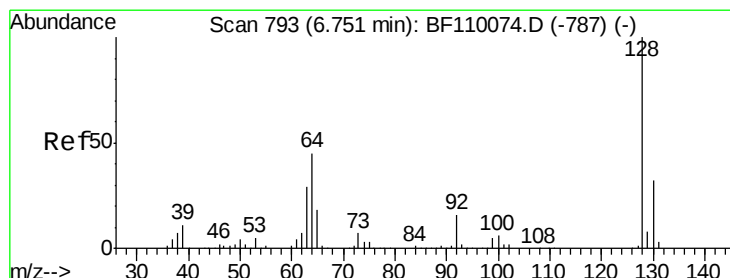
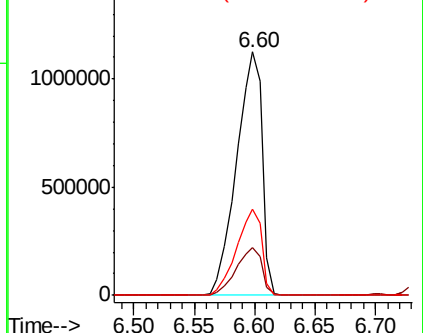
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.785 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

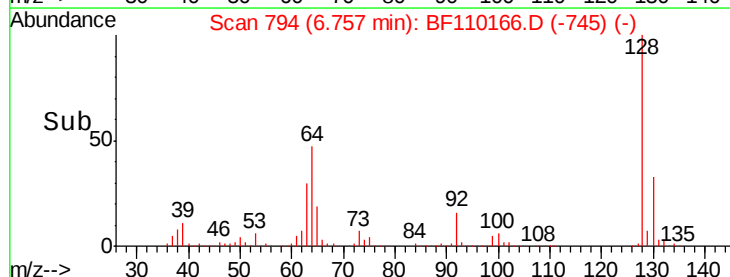
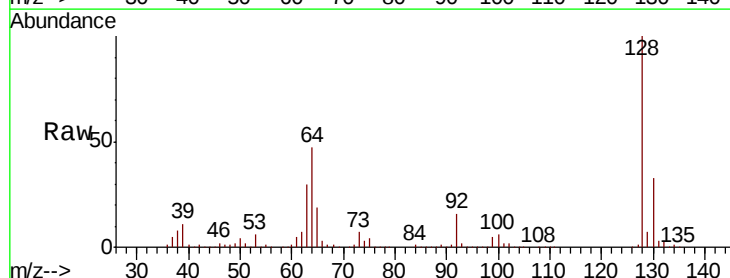
Tgt Ion: 128 Resp: 440676

Ion Ratio Lower Upper

128 100

130 32.8 13.1 53.1

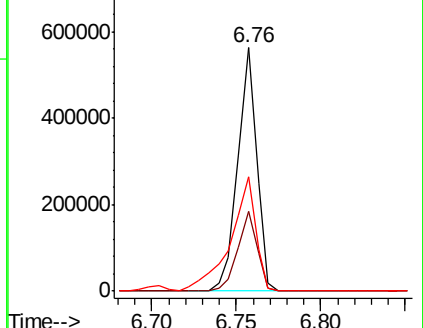
64 47.1 26.0 66.0

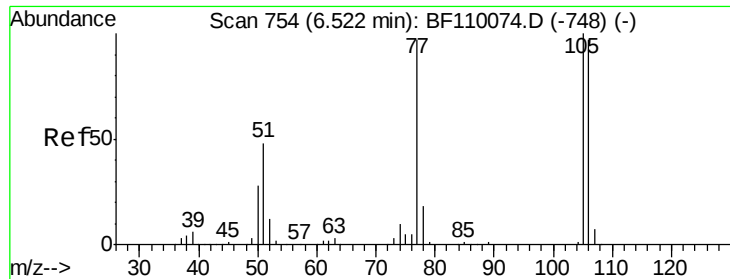


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.989 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

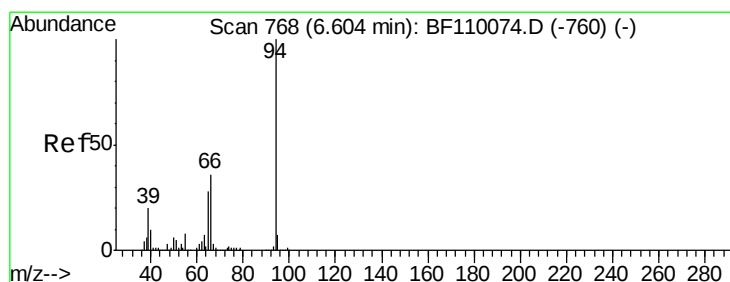
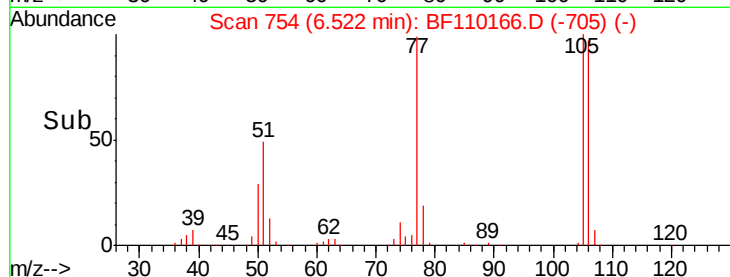
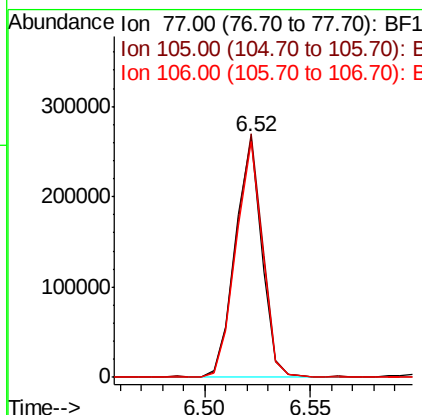
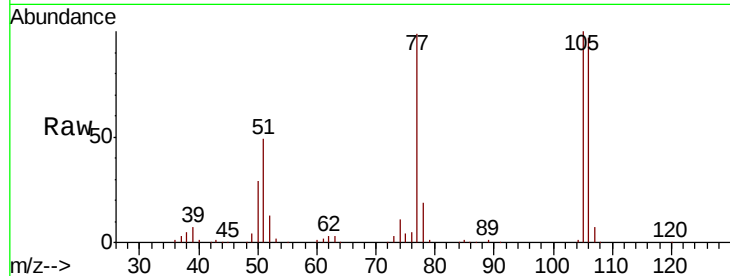
ClientSampleId :

HP-GRID-BMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 229847 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 101.3 | 78.6  | 118.6  |
| 106      | 98.3  | 74.8  | 114.8  |

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#10

Phenol

Concen: 52.619 ng

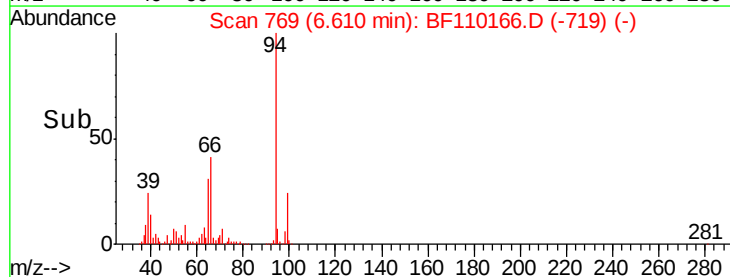
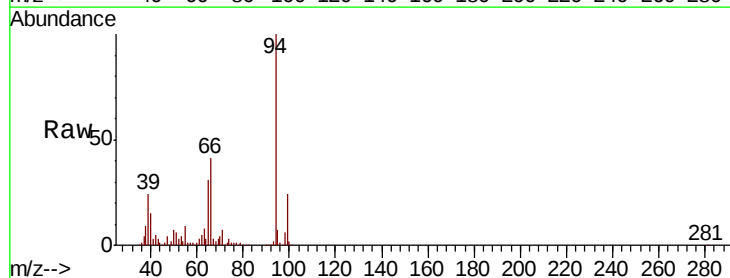
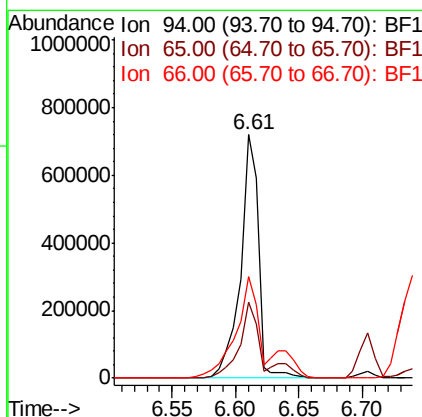
RT: 6.61 min Scan# 769

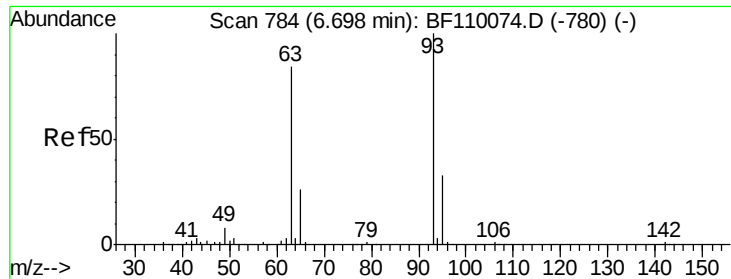
Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 691170 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 31.0  | 25.3  | 65.3   |
| 66       | 41.5  | 54.5  | 94.5#  |





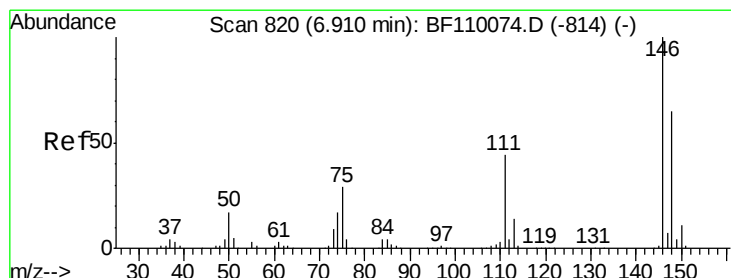
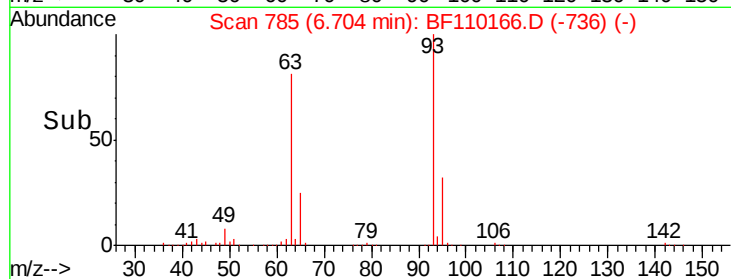
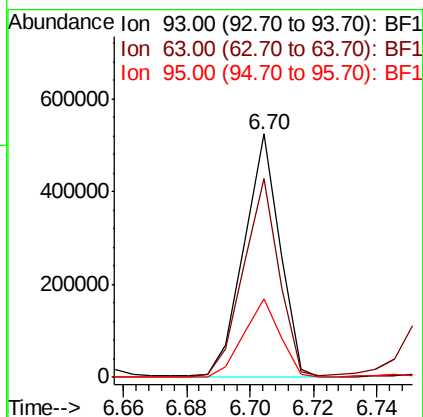
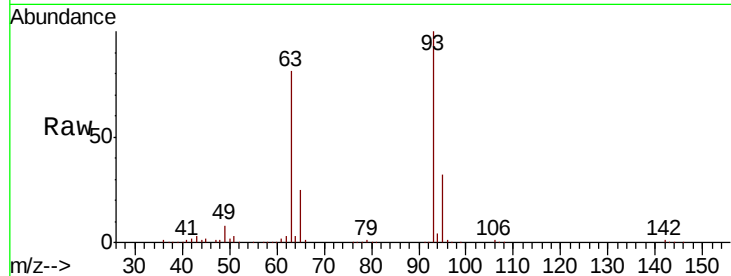
#11  
bis(2-Chloroethyl)ether  
Concen: 37.935 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 81.5  | 53.4  | 93.4  |
| 95      | 32.3  | 12.1  | 52.1  |

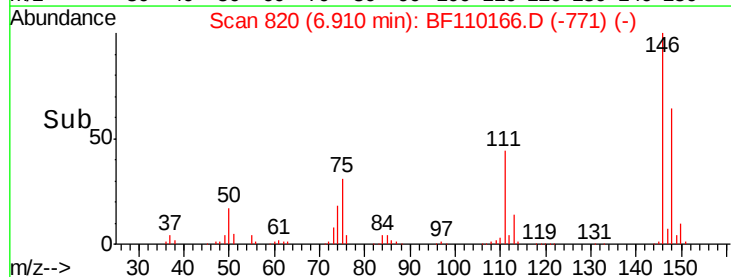
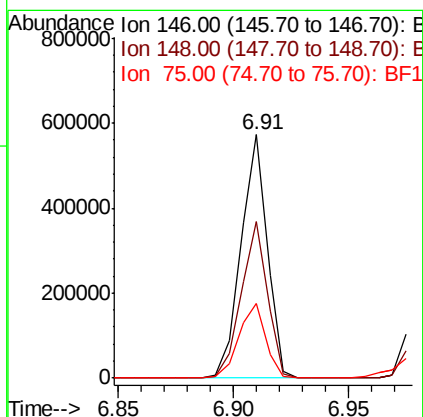
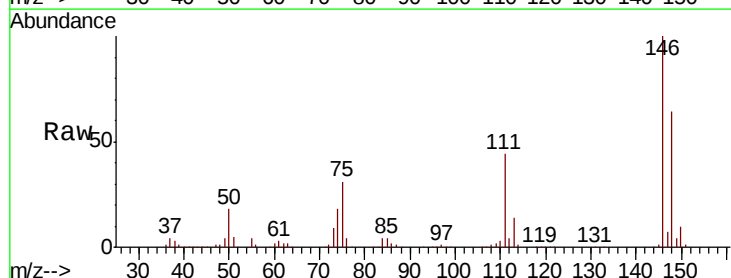
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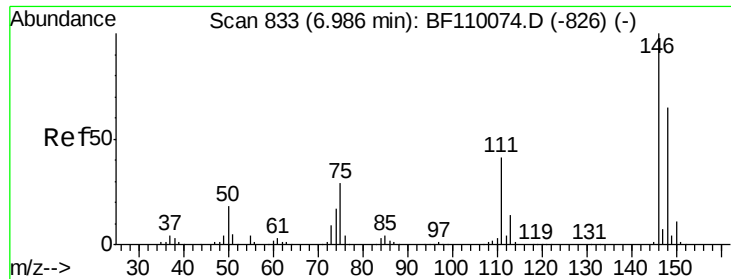
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#12  
1,3-Dichlorobenzene  
Concen: 37.400 ng  
RT: 6.91 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 50.4  | 75.6  |
| 75      | 30.9  | 25.8  | 38.6  |





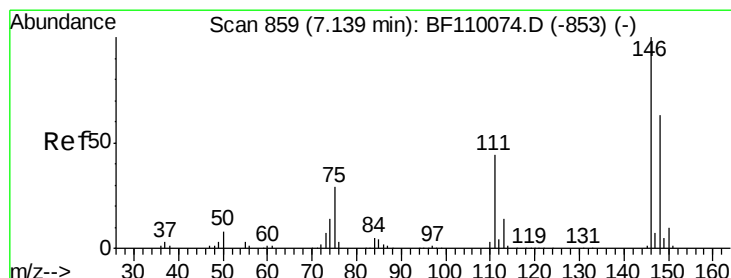
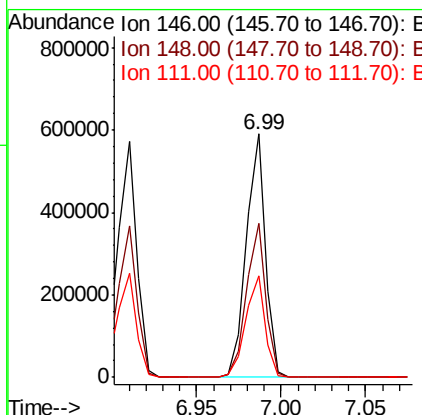
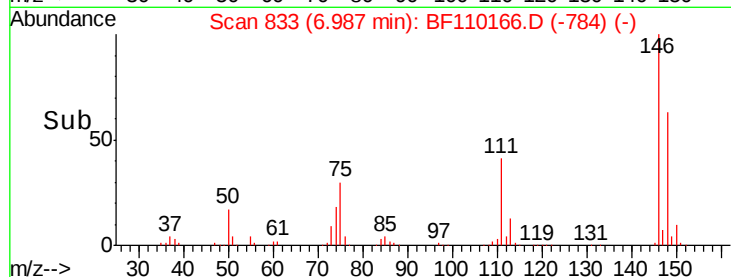
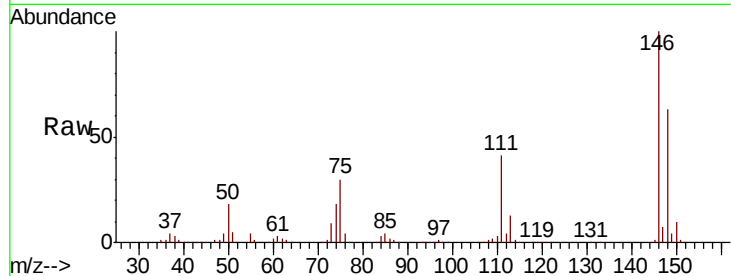
#13  
 1,4-Dichlorobenzene  
 Concen: 37.998 ng  
 RT: 6.99 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 50.3  | 75.5  |
| 111     | 41.5  | 32.7  | 49.1  |

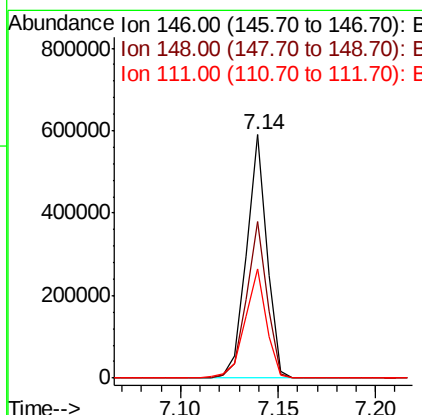
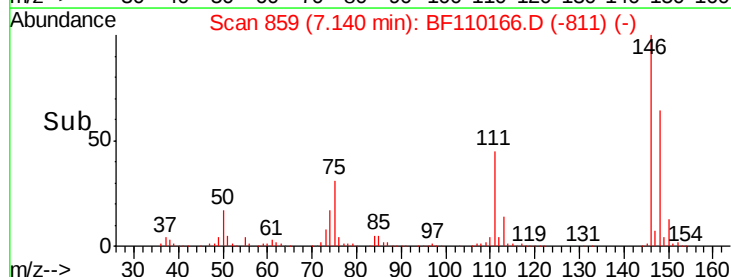
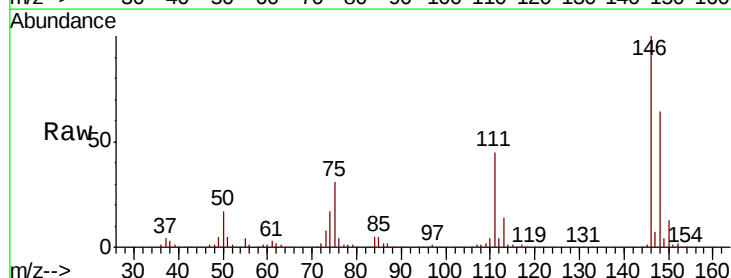
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#14  
 1,2-Dichlorobenzene  
 Concen: 37.543 ng  
 RT: 7.14 min Scan# 859  
 Delta R.T. -0.02 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 51.1  | 76.7  |
| 111     | 44.7  | 35.8  | 53.6  |





#15

Benzyl Alcohol

Concen: 42.158 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

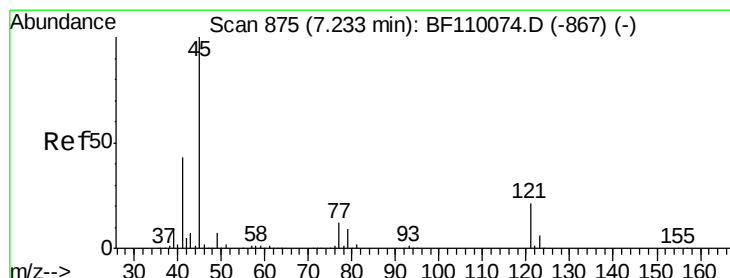
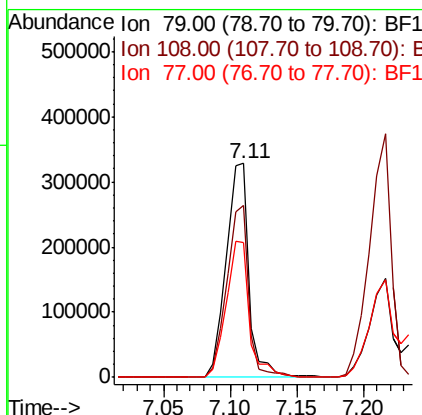
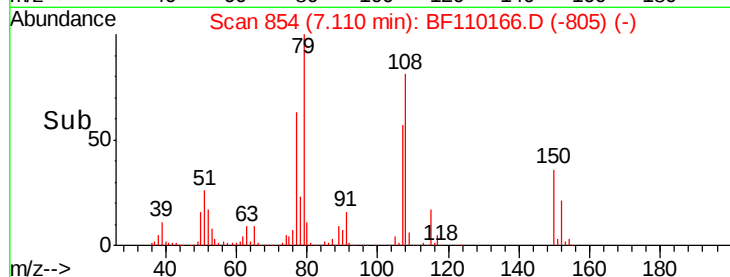
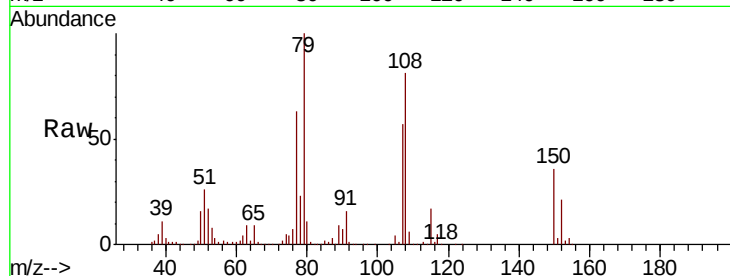
ClientSampleId :

HP-GRID-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 398450 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 80.6  | 56.3  | 84.5   |
| 77        | 62.9  | 52.9  | 79.3   |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.164 ng

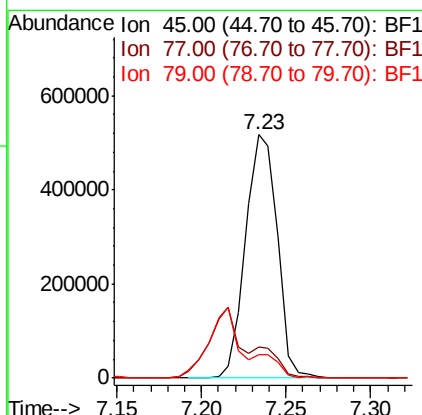
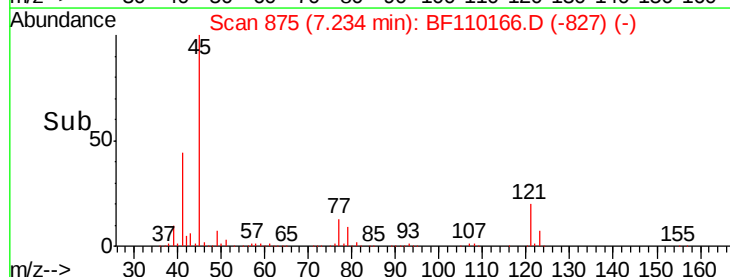
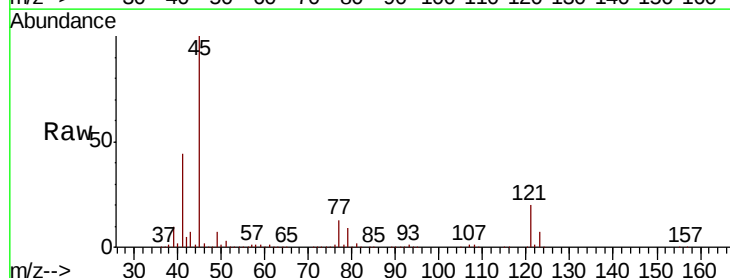
RT: 7.23 min Scan# 875

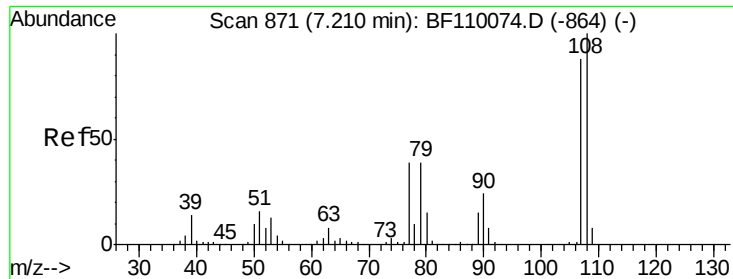
Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 676708 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.5  | 10.0  | 50.0   |
| 79        | 9.5   | 6.1   | 46.1   |





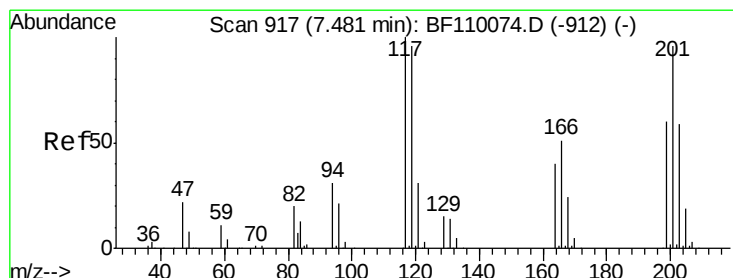
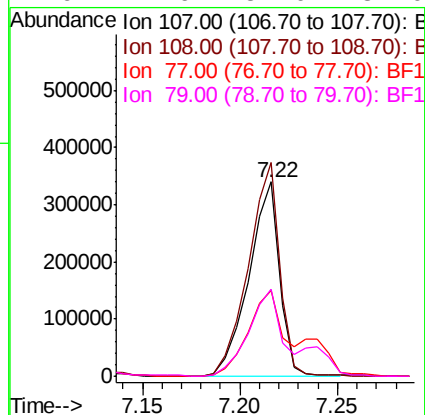
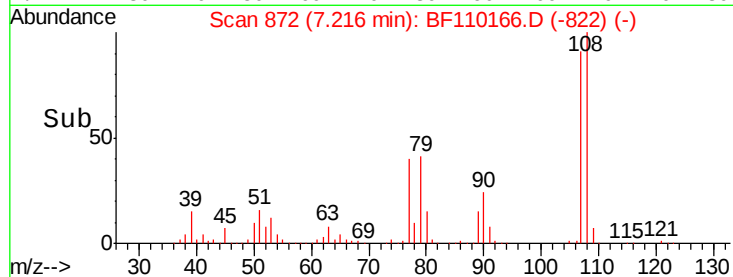
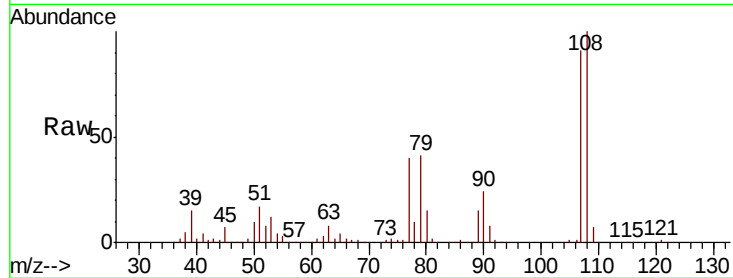
#17  
2-Methylphenol  
Concen: 41.922 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 109.9 | 92.6 | 138.8 |       |
| 77      | 44.3  | 59.4 | 89.2# |       |
| 79      | 44.6  | 54.0 | 81.0# |       |

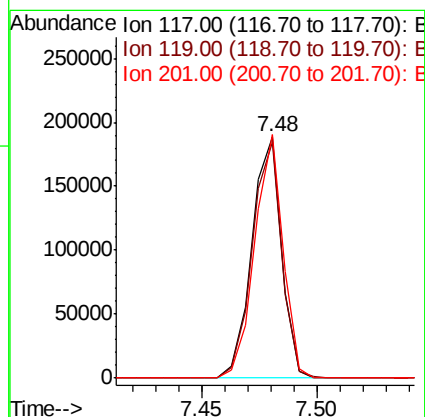
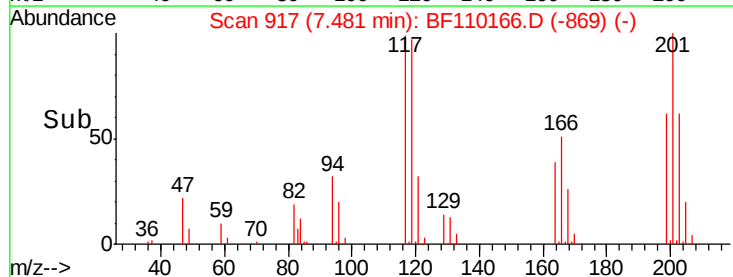
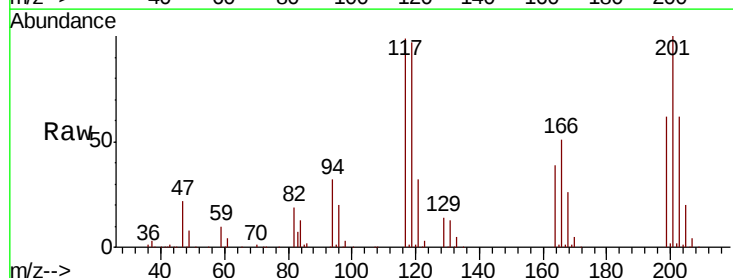
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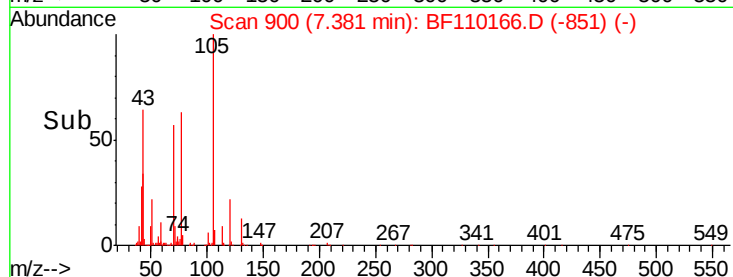
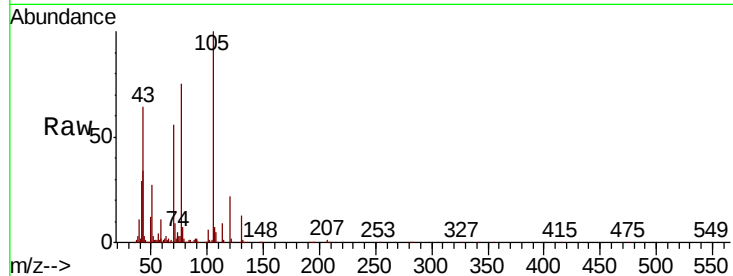
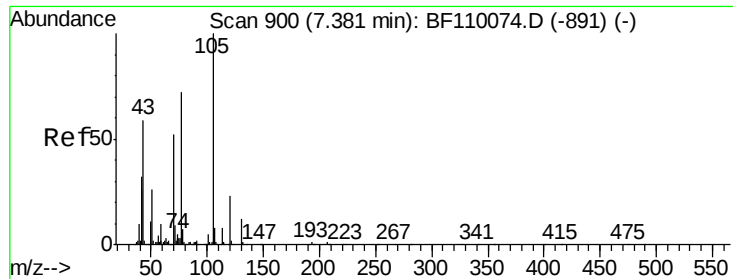
Sohil  
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#18  
Hexachloroethane  
Concen: 37.624 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.5  | 75.0 | 112.6 |       |
| 201     | 100.8 | 79.2 | 118.8 |       |





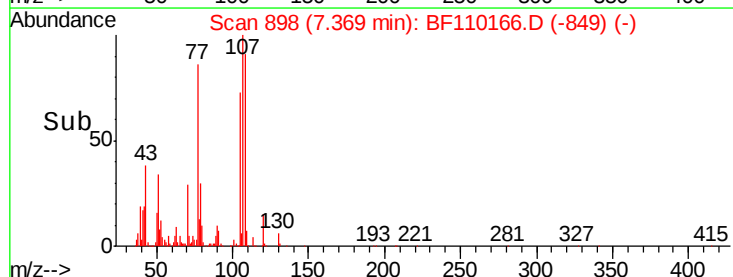
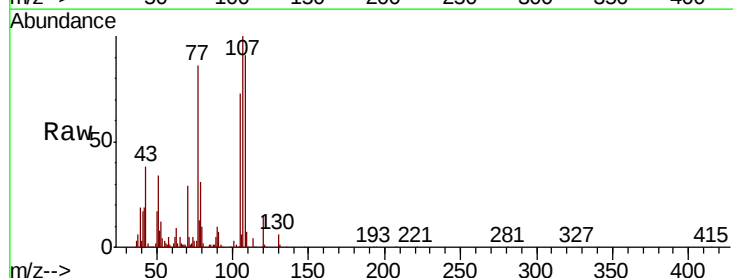
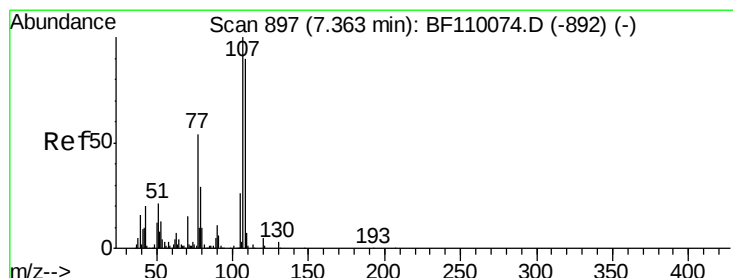
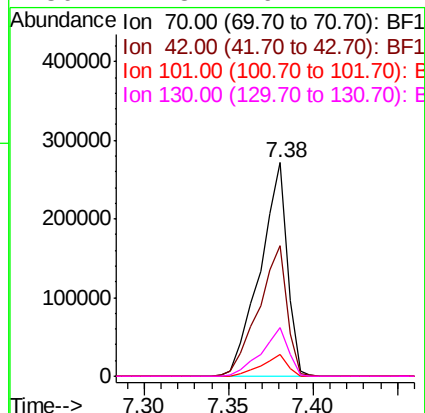
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.515 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

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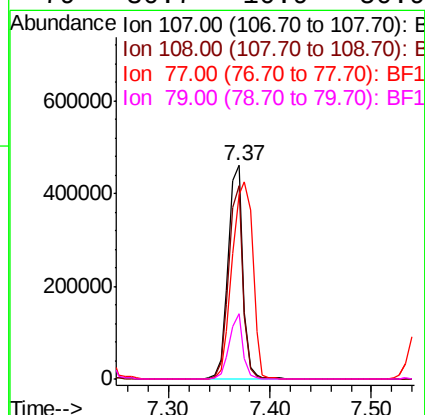
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| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 303634 |       |       |
| 42      | 61.1 | 47.4  | 71.2   |       |       |
| 101     | 9.9  | 7.3   | 10.9   |       |       |
| 130     | 22.8 | 16.2  | 24.2   |       |       |



#20  
3+4-Methylphenols  
Concen: 40.943 ng  
RT: 7.37 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 467179 |       |       |
| 108     | 90.7 | 71.4  | 111.4  |       |       |
| 77      | 86.5 | 47.3  | 87.3   |       |       |
| 79      | 30.7 | 10.9  | 50.9   |       |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

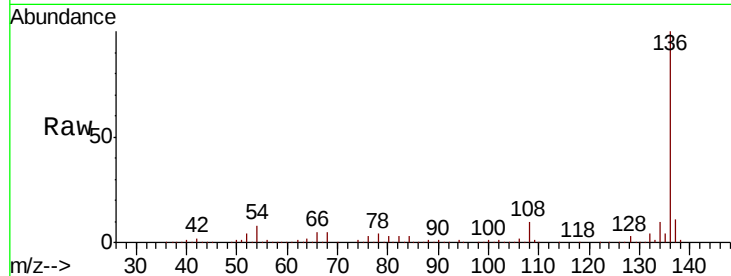
ClientSampleId :

HP-GRID-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 629390 |       |       |
| 137     | 11.0  |        | 8.8   | 13.2  |
| 54      | 7.9   |        | 5.4   | 8.2   |
| 68      | 5.2   |        | 4.2   | 6.2   |

Manual Integrations  
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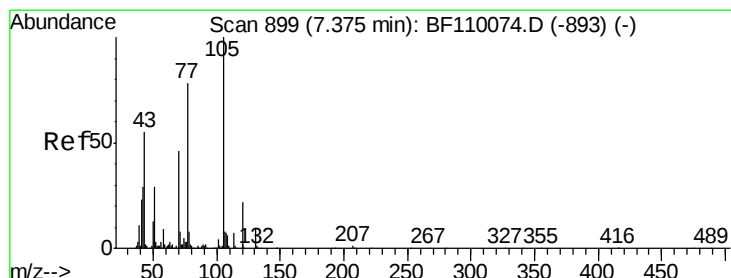
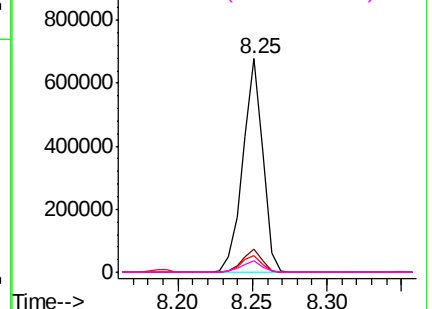
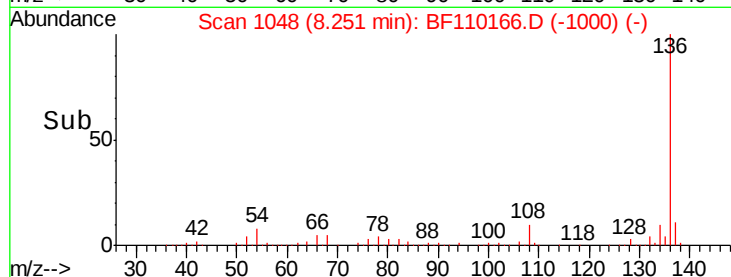
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 41.897 ng

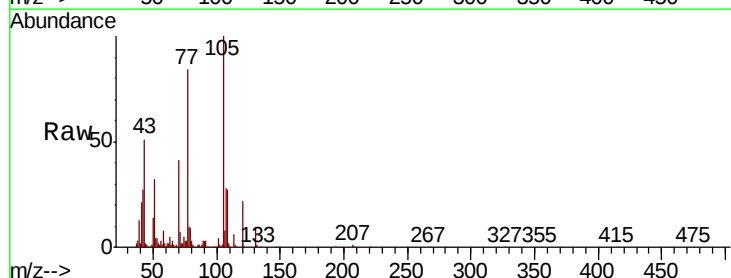
RT: 7.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 607606 |       |       |
| 71      | 7.1   |        | 5.2   | 7.8   |
| 51      | 32.1  |        | 21.8  | 32.8  |
| 120     | 21.9  |        | 17.0  | 25.4  |



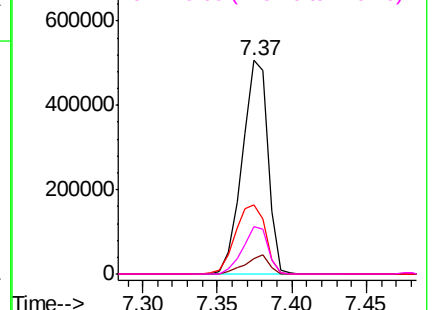
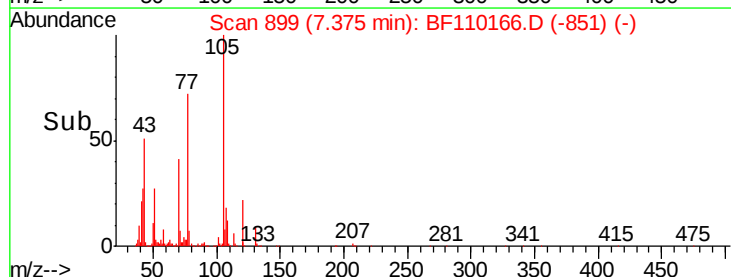
Abundance

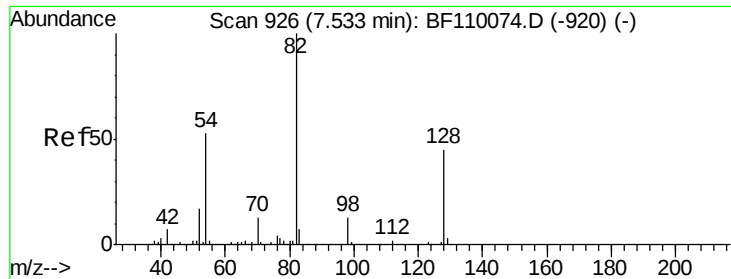
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





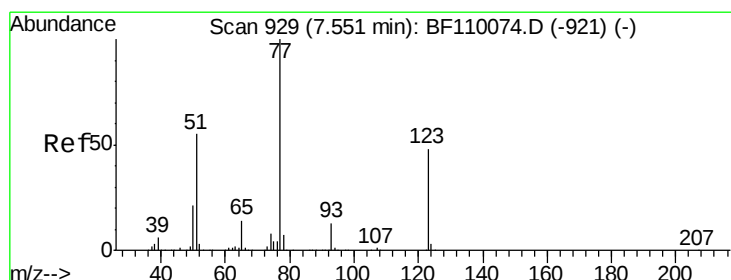
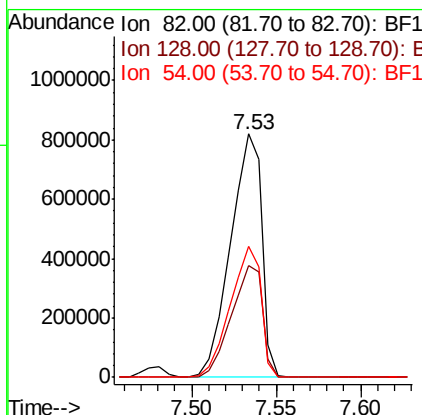
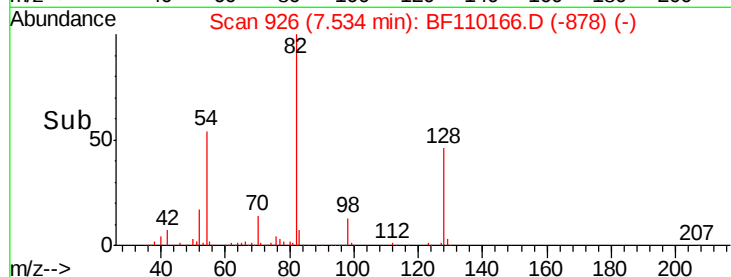
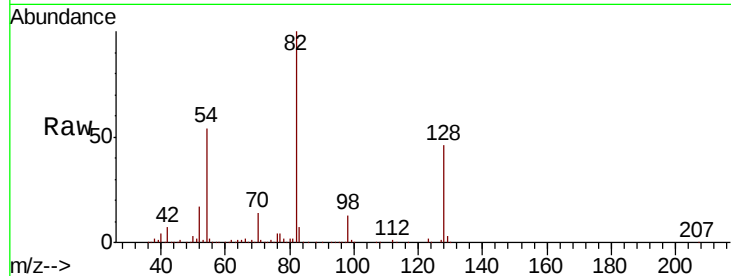
#23  
 Nitrobenzene-d5  
 Concen: 99.077 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.02 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.1  | 34.2  | 51.2  |
| 54      | 53.9  | 38.6  | 58.0  |

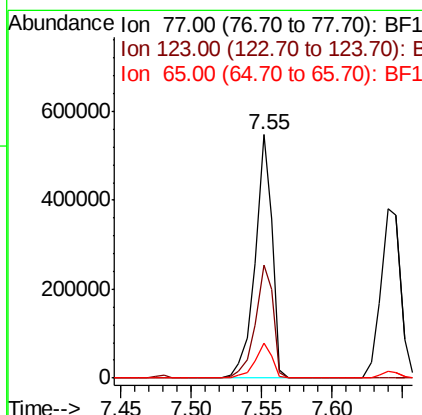
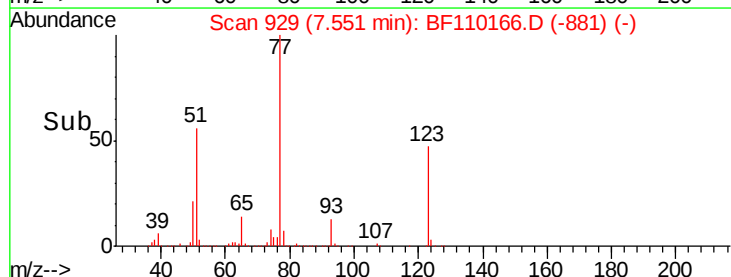
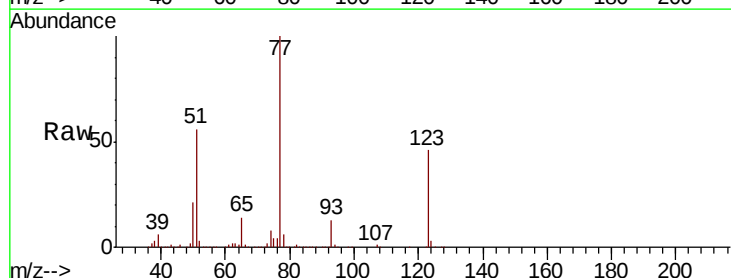
Manual Integrations  
 APPROVED

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#24  
 Nitrobenzene  
 Concen: 42.608 ng  
 RT: 7.55 min Scan# 929  
 Delta R.T. -0.02 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 46.4  | 35.7  | 53.5  |
| 65      | 14.3  | 10.7  | 16.1  |





#25

Isophorone

Concen: 47.039 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

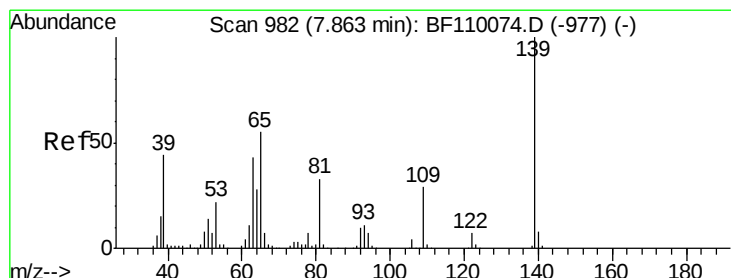
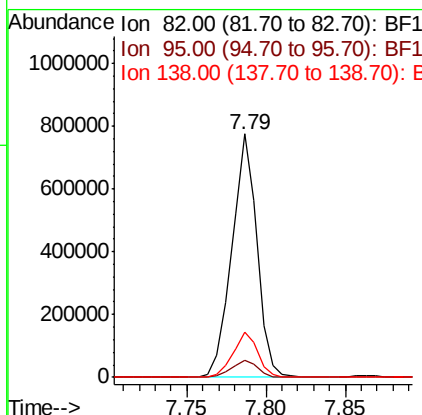
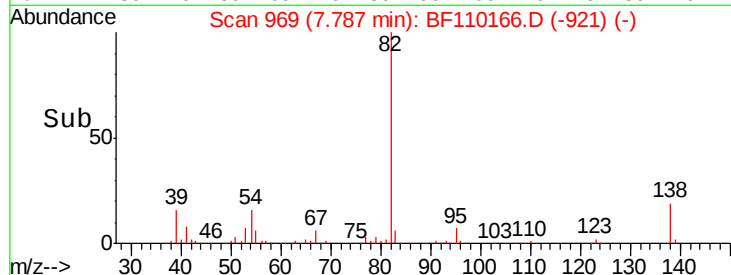
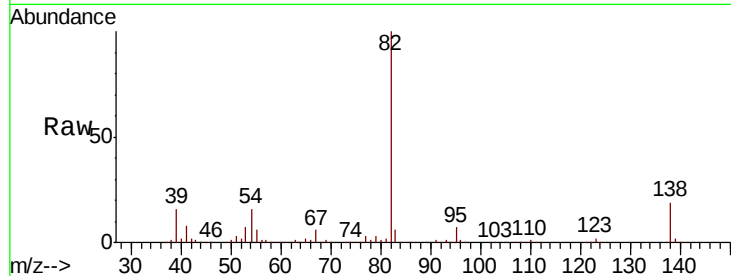
ClientSampleId :

HP-GRID-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 850854 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.2   | 5.7   | 8.5    |
| 138       | 18.8  | 13.2  | 19.8   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 44.907 ng

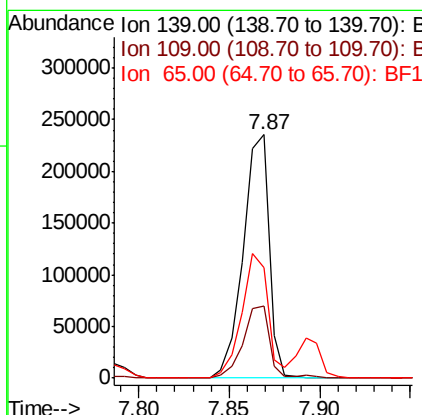
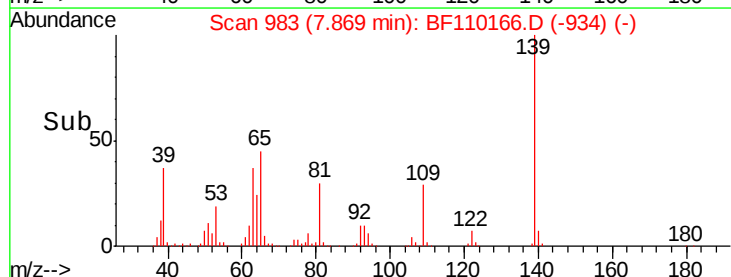
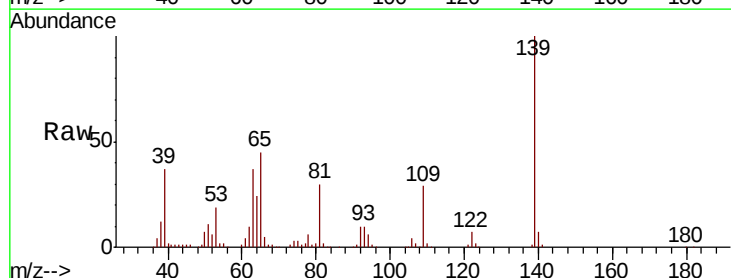
RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 234113 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 29.5  | 25.0  | 37.6   |
| 65        | 45.3  | 44.0  | 66.0   |





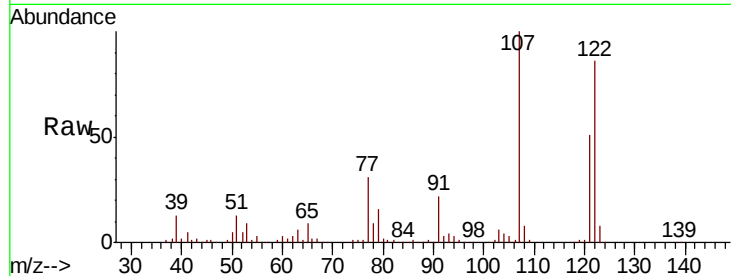
#27  
2,4-Dimethylphenol  
Concen: 47.096 ng  
RT: 7.89 min Scan# 987  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 116.5 | 92.5  | 138.7 |
| 121     | 58.9  | 45.8  | 68.8  |

Manual Integrations  
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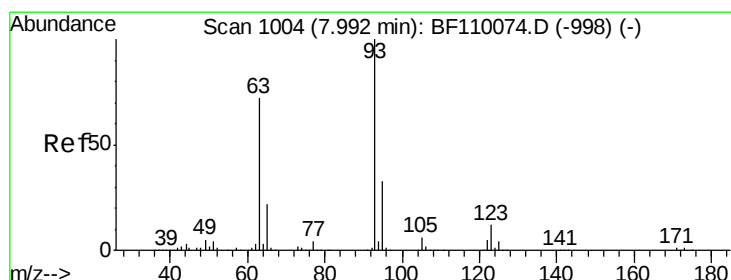
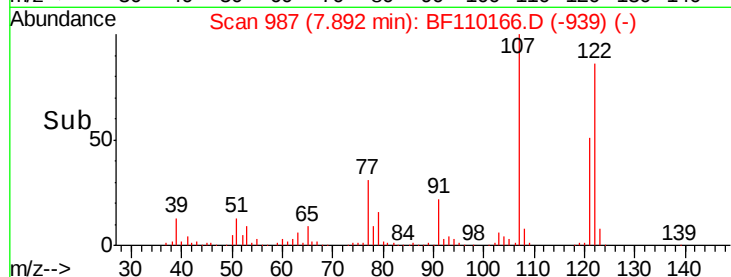
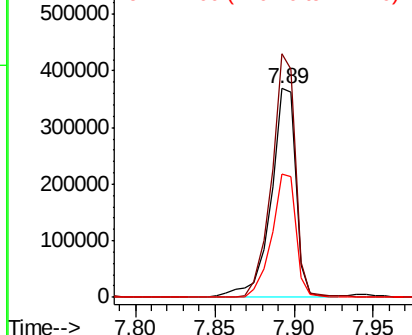


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.470 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

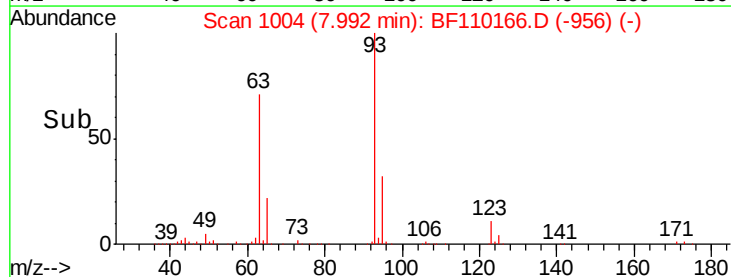
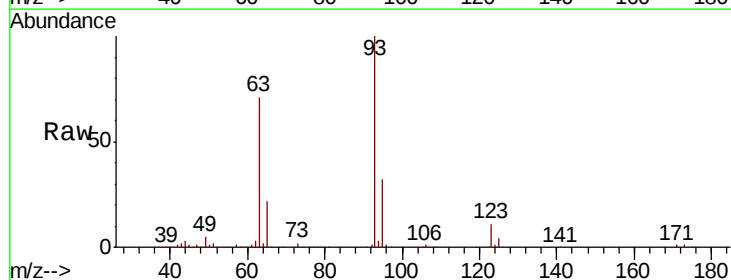
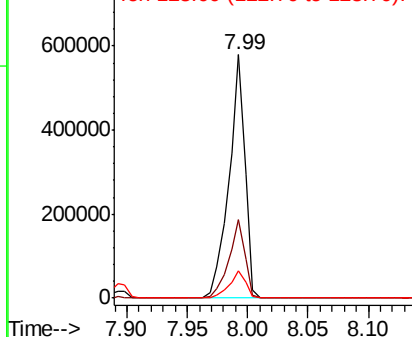
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 26.4  | 39.6  |
| 123     | 11.3  | 9.0   | 13.6  |

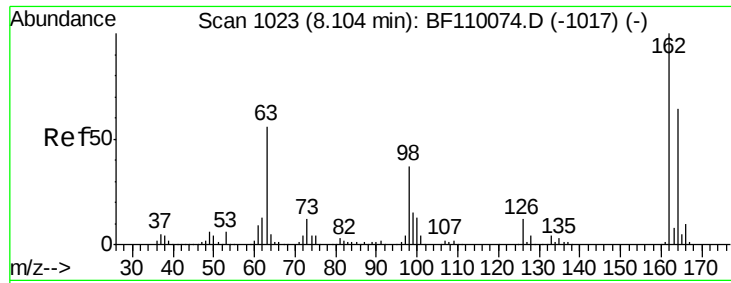
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





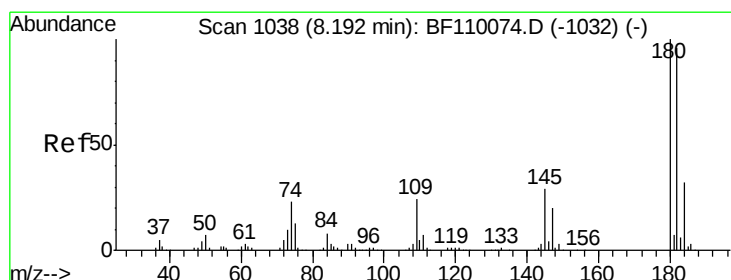
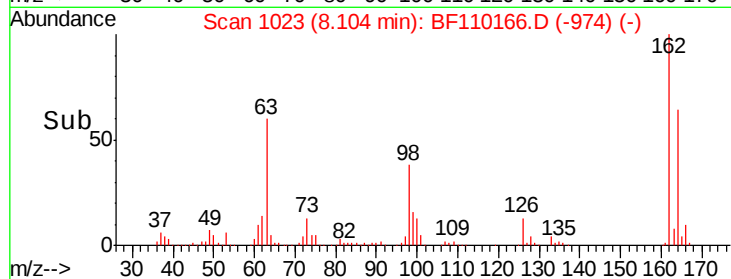
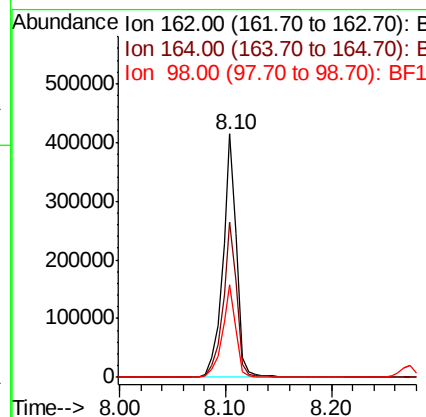
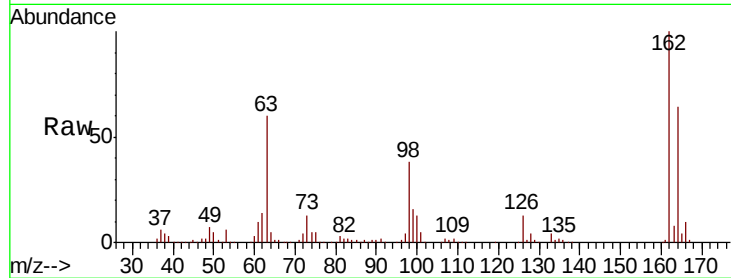
#29  
 2,4-Dichlorophenol  
 Concen: 43.438 ng  
 RT: 8.10 min Scan# 1023  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 HP-GRID-BMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 63.9  | 44.6       | 84.6  |
| 98      | 38.1  | 17.4       | 57.4  |

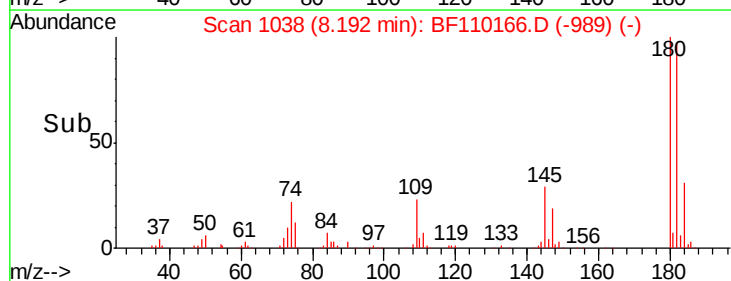
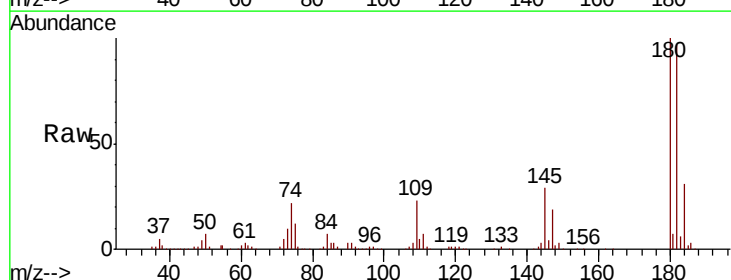
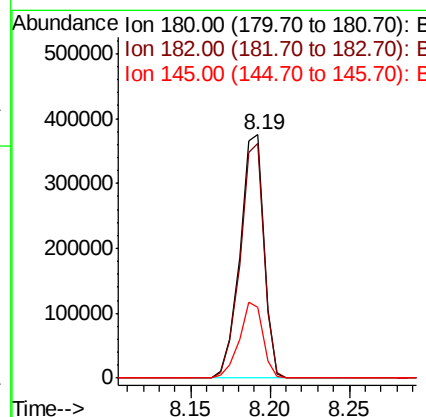
Manual Integrations  
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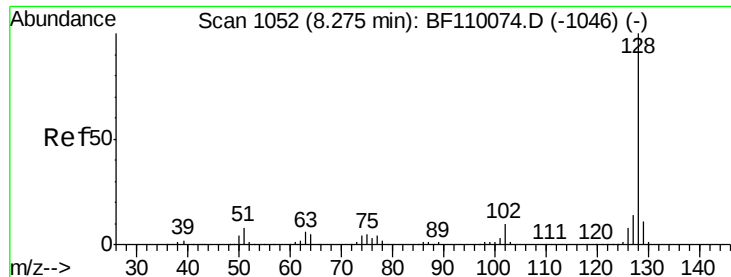
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.081 ng  
 RT: 8.19 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 96.5  | 80.3       | 120.5 |
| 145     | 29.3  | 25.4       | 38.0  |





#31

Naphthalene

Concen: 44.305 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

ClientSampleId :

HP-GRID-BMS

Tot Ion:128 Resp: 1285194

Ion Ratio Lower Upper

128 100

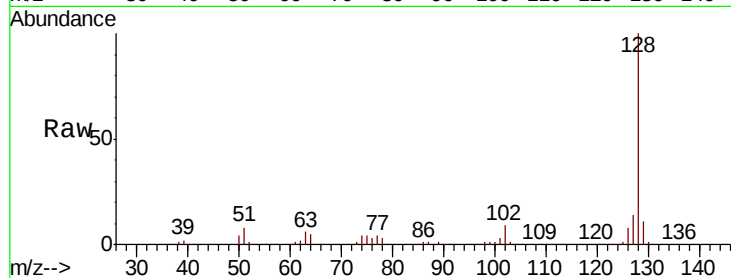
129 11.2 8.8 13.2

127 13.6 10.8 16.2

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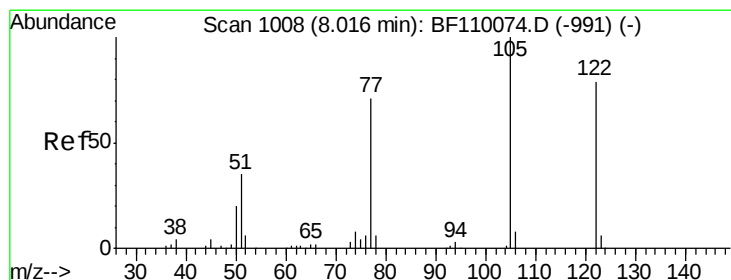
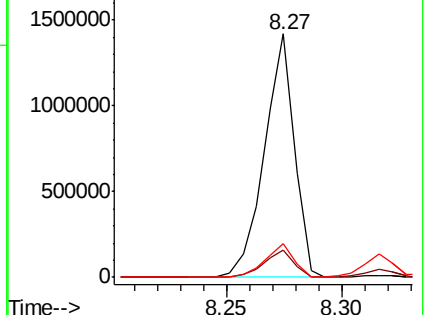
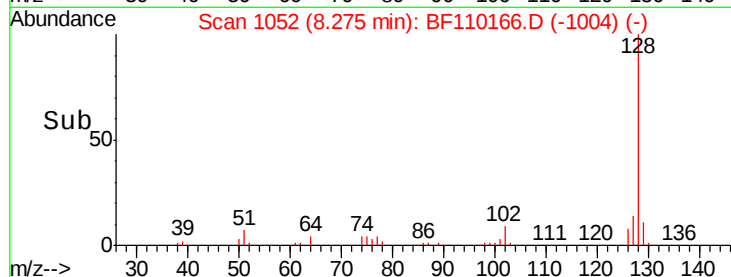
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 60.936 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.12 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

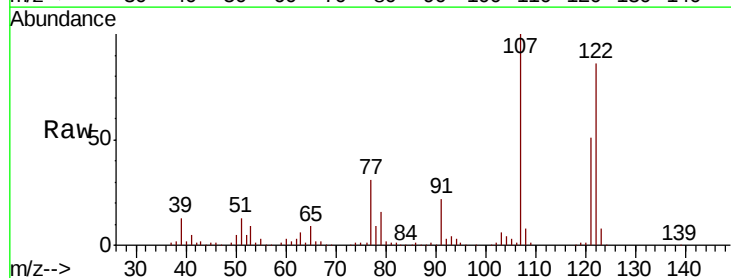
Tgt Ion:122 Resp: 407072

Ion Ratio Lower Upper

122 100

105 3.7 109.0 149.0#

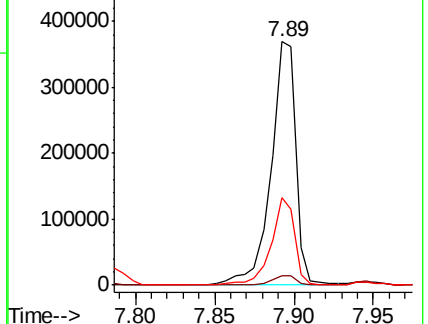
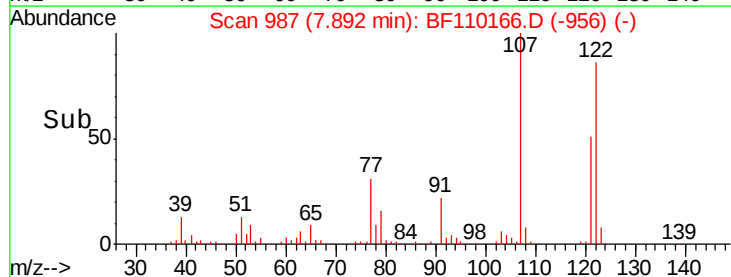
77 36.2 79.0 119.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





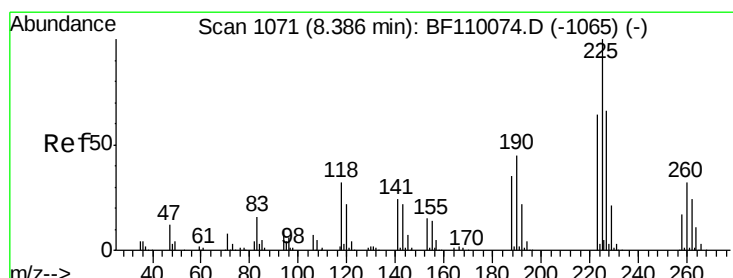
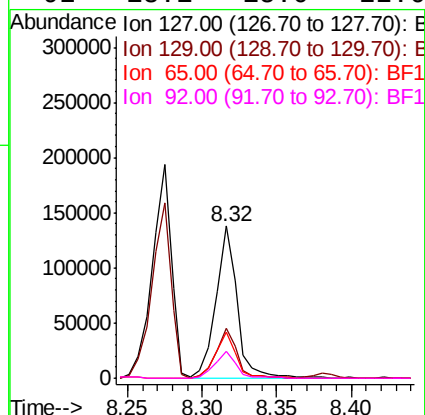
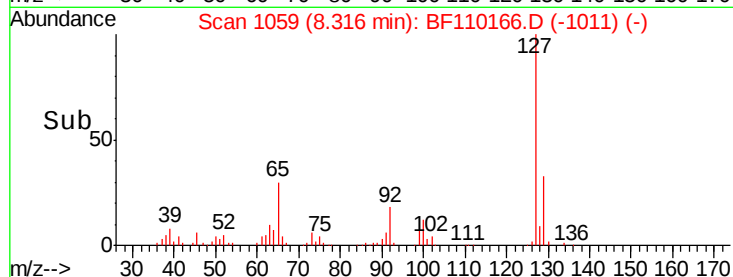
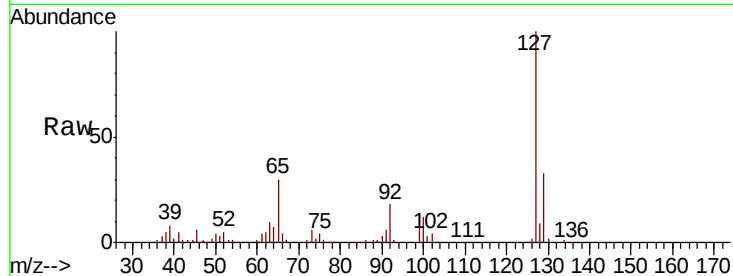
#33  
4-Chloroaniline  
Concen: 10.417 ng  
RT: 8.32 min Scan# 1059  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.8 | 26.0  | 39.0 |       |       |
| 65      | 30.2 | 25.1  | 37.7 |       |       |
| 92      | 18.1 | 15.0  | 22.6 |       |       |

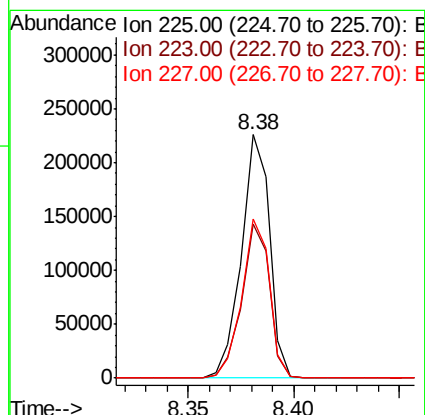
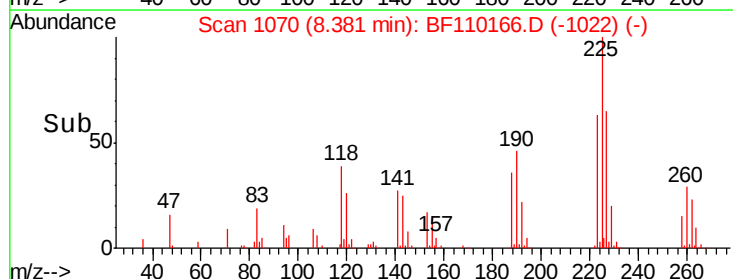
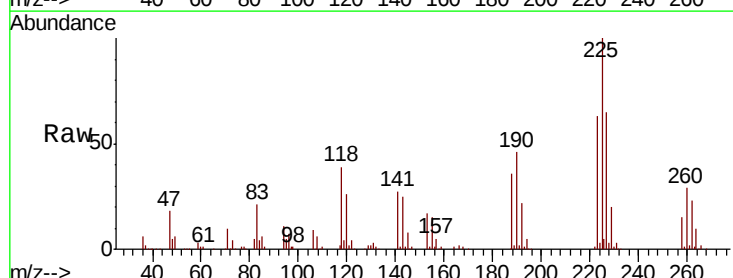
Manual Integrations  
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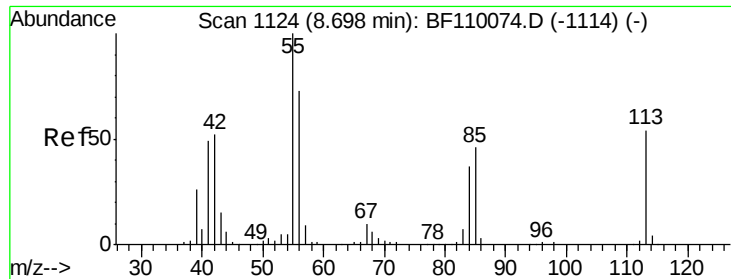
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#34  
Hexachlorobutadiene  
Concen: 38.448 ng  
RT: 8.38 min Scan# 1070  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.3 | 51.4  | 77.2 |       |       |
| 227     | 65.2 | 51.0  | 76.6 |       |       |





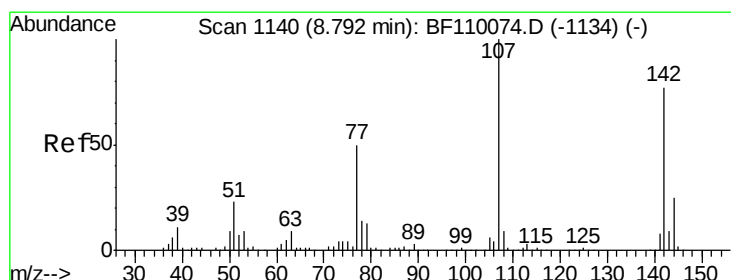
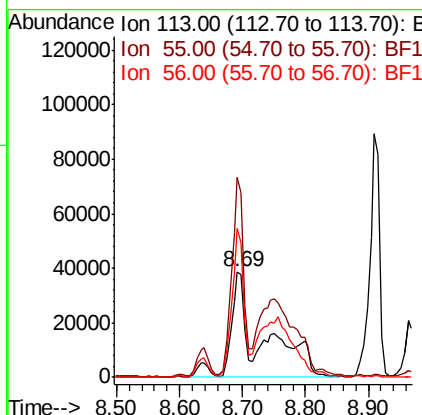
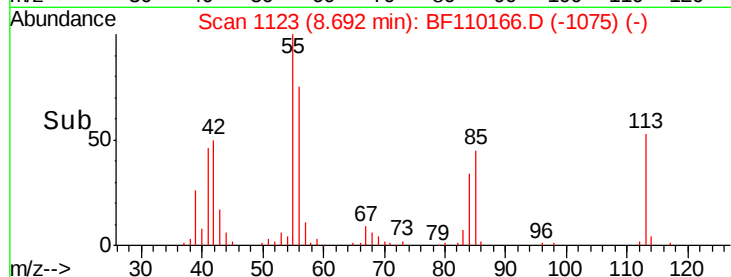
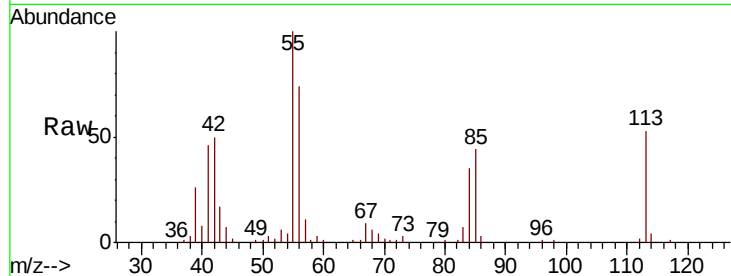
#35  
Caprolactam  
Concen: 43.673 ng/ml  
RT: 8.69 min Scan# 1123  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 189.5 | 142.8 | 182.8 |       |
| 56      | 141.0 | 105.0 | 145.0 |       |

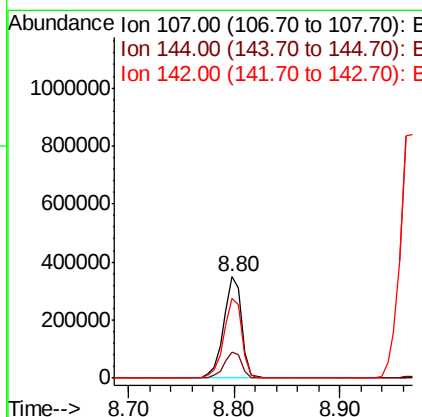
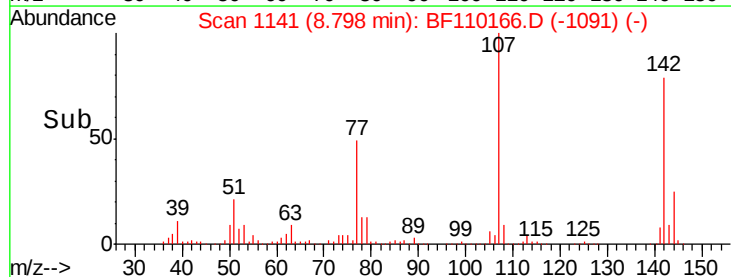
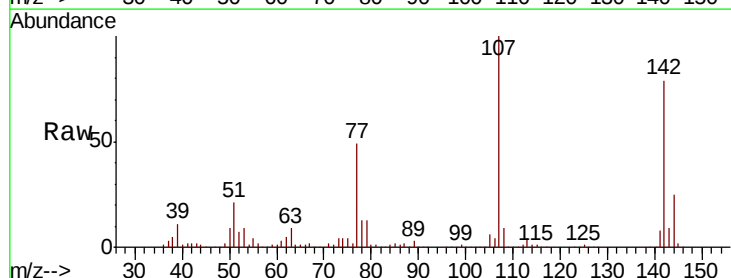
Manual Integrations  
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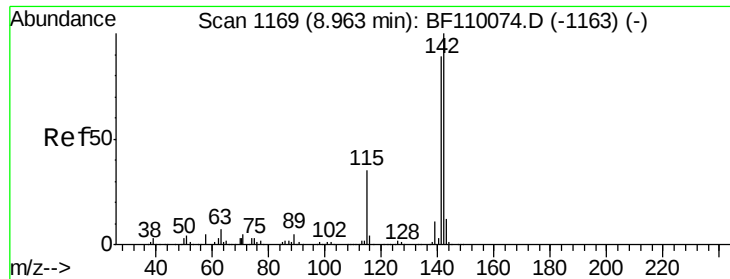
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#36  
4-Chloro-3-methylphenol  
Concen: 43.611 ng/ml  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 25.3 | 20.0  | 30.0  |       |
| 142     | 79.1 | 59.7  | 89.5  |       |





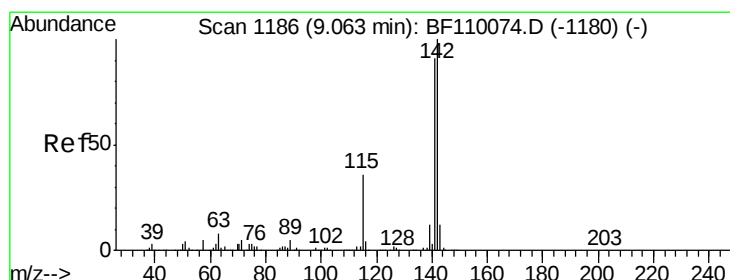
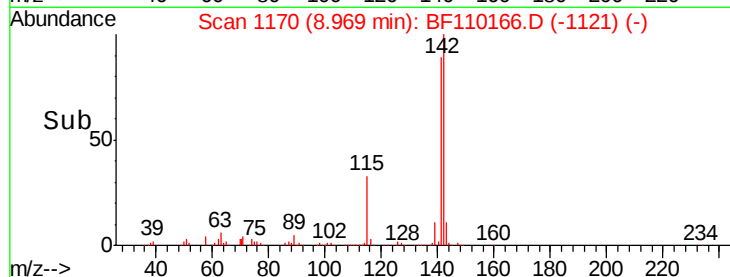
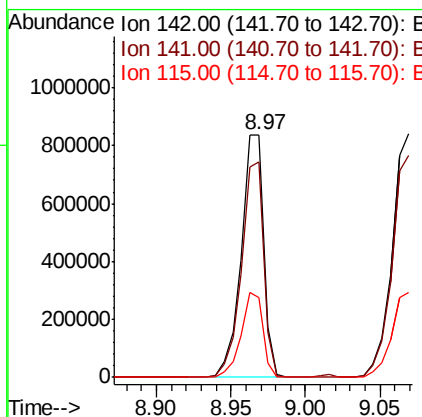
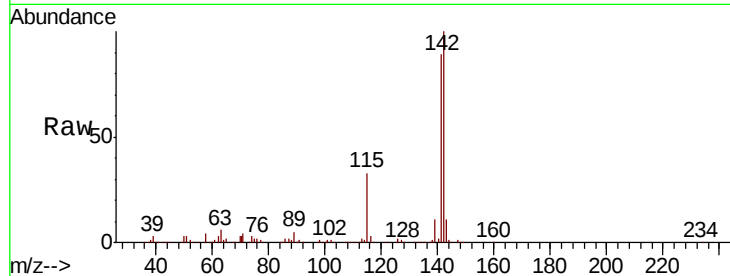
#37  
2-Methylnaphthalene  
Concen: 45.706 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 71.4  | 107.2 |
| 115     | 32.9  | 28.7  | 43.1  |

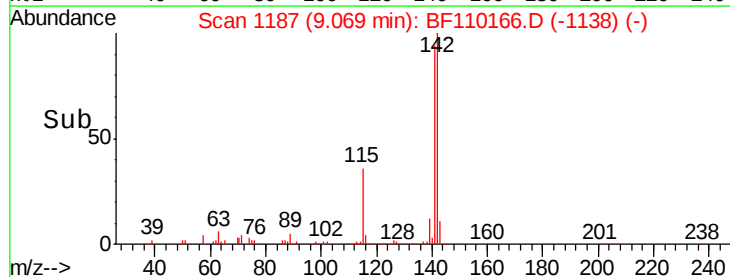
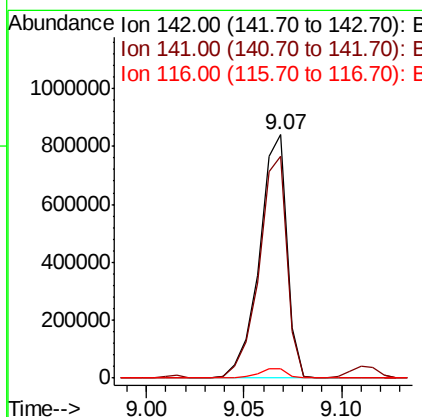
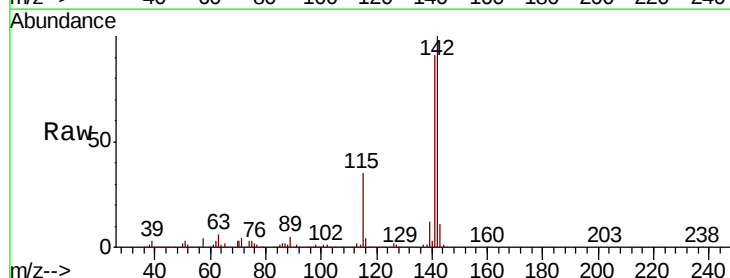
Manual Integrations  
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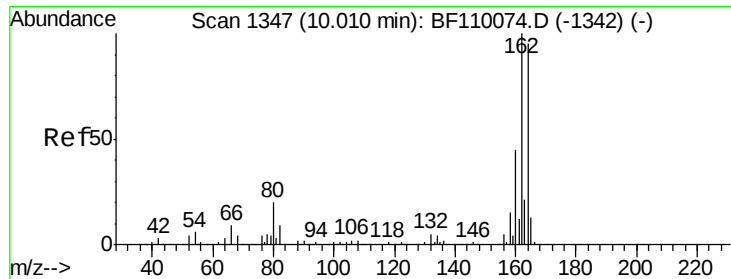
Sohil  
10/26/2018 3:49:18 PM



#38  
1-Methylnaphthalene  
Concen: 44.292 ng  
RT: 9.07 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 74.2  | 111.4 |
| 116     | 3.7   | 2.6   | 4.0   |





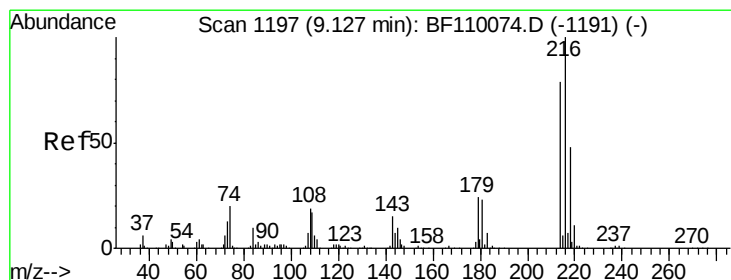
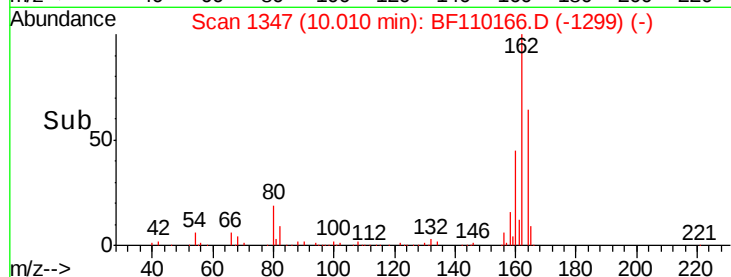
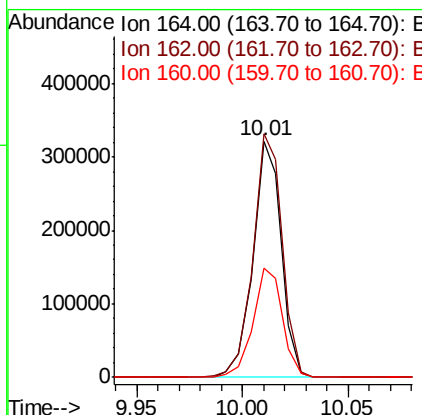
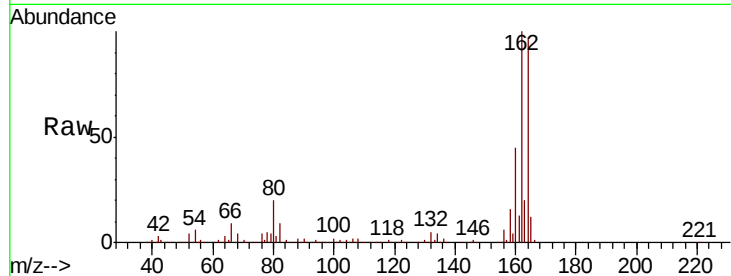
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 83.0  | 124.6 |
| 160     | 46.5  | 37.0  | 55.6  |

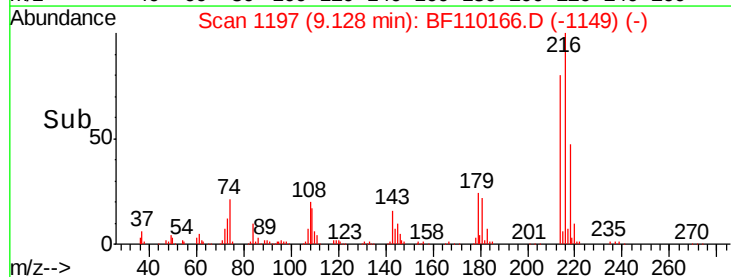
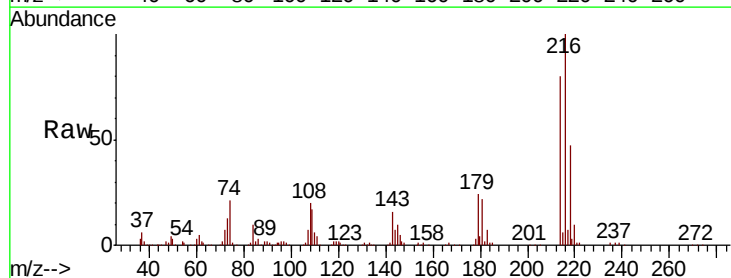
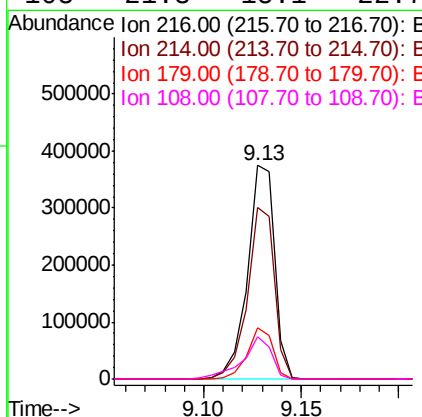
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.709 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 63.8  | 95.6  |
| 179     | 22.5  | 16.6  | 25.0  |
| 108     | 21.3  | 15.1  | 22.7  |





#41

Hexachlorocyclopentadiene

Concen: 64.597 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

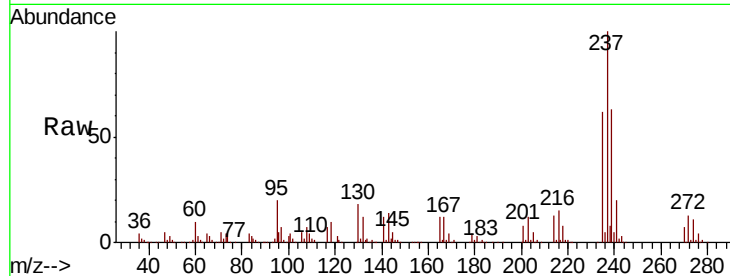
ClientSampleId :

HP-GRID-BMS

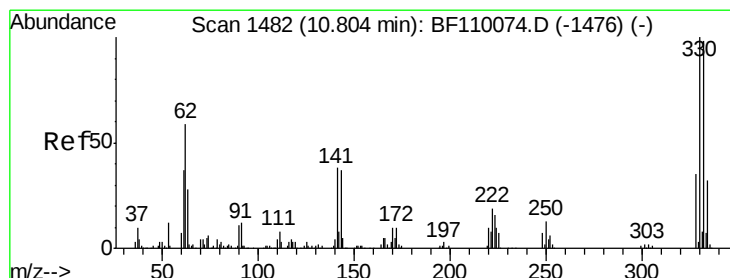
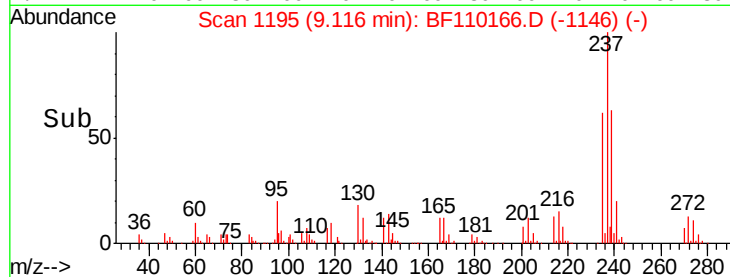
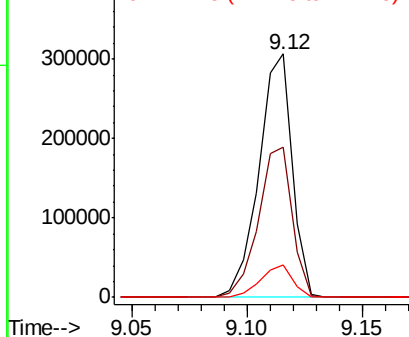
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 308595 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.8  | 43.1  | 83.1   |
| 272       | 13.2  | 0.0   | 32.6   |

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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: 131.793 ng

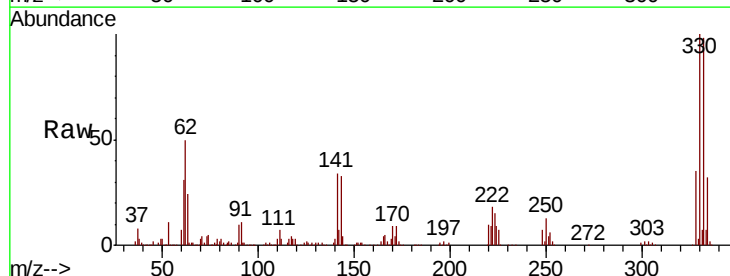
RT: 10.81 min Scan# 1483

Delta R.T. -0.01 min

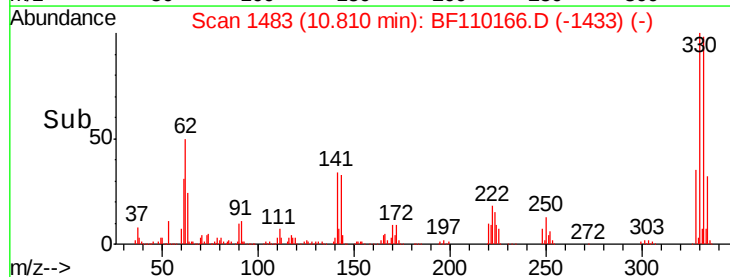
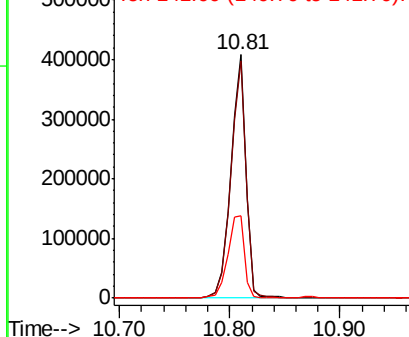
Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 391453 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 98.1  | 77.1  | 115.7  |
| 141       | 37.6  | 27.0  | 40.4   |



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





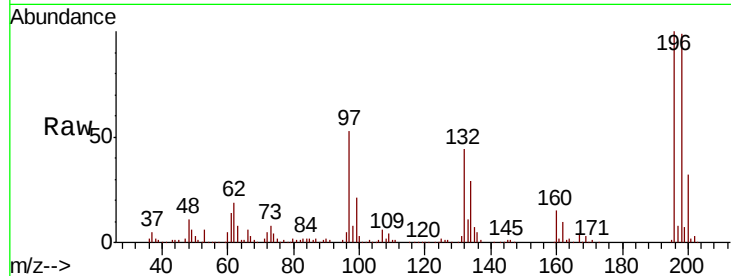
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.714 ng  
 RT: 9.25 min Scan# 1217  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 257391 |       |       |
| 198     | 99.3  | 76.2   | 114.4 |       |
| 200     | 32.0  | 24.4   | 36.6  |       |

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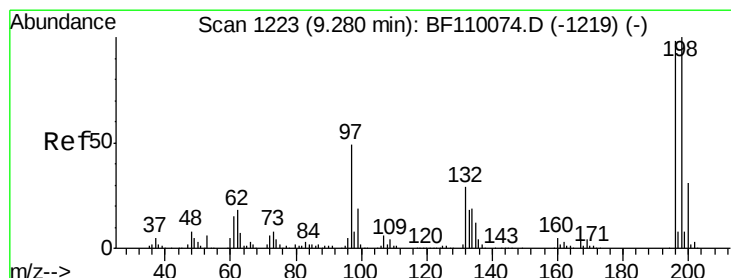
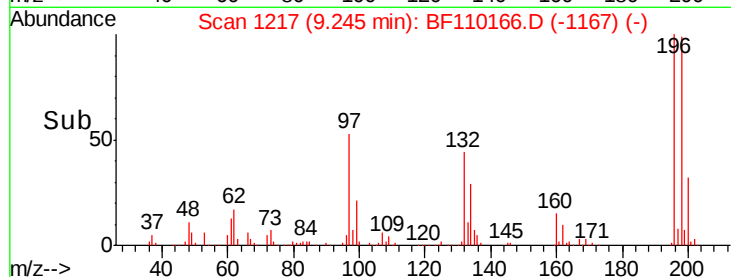
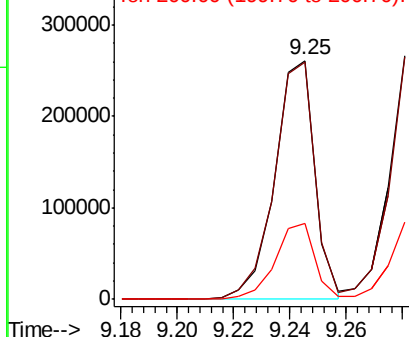


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 42.803 ng  
 RT: 9.28 min Scan# 1223  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 272640 |       |       |
| 198     | 99.7  | 75.8   | 113.6 |       |
| 97      | 58.6  | 42.4   | 63.6  |       |
| 132     | 32.1  | 22.8   | 34.2  |       |

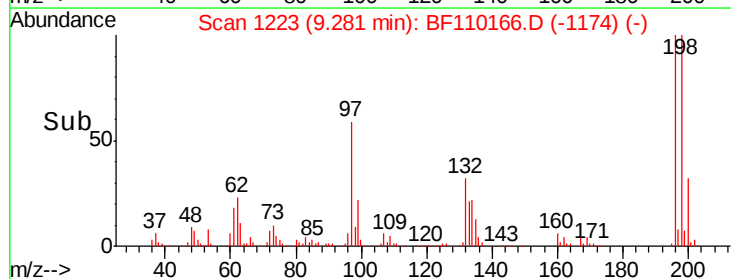
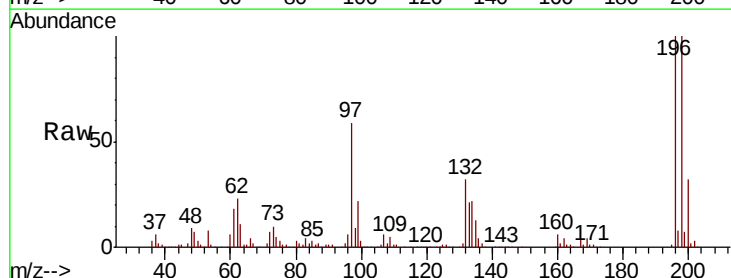
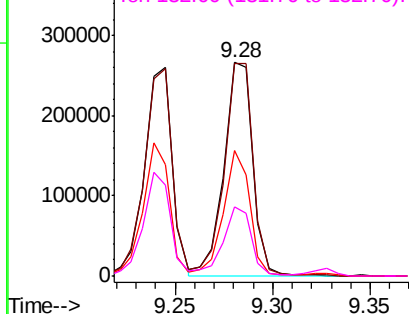
Abundance

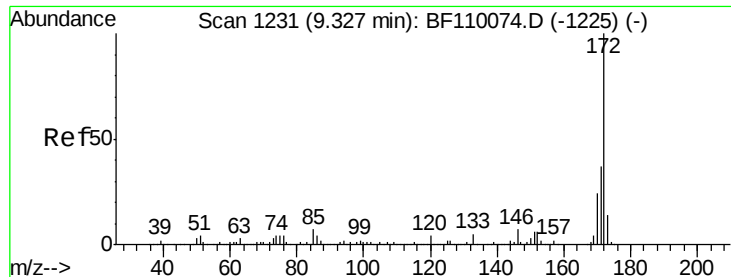
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





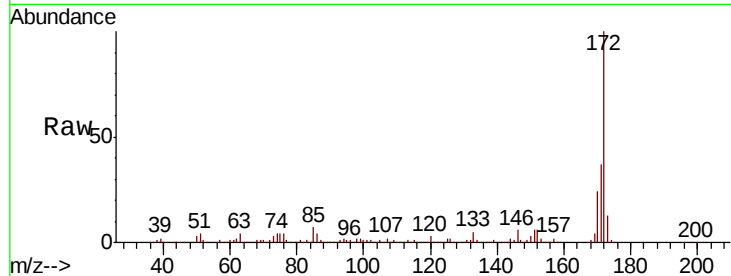
#45  
2-Fluorobiphenyl  
Concen: 91.846 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.6  | 43.0  |
| 170     | 24.2  | 19.7  | 29.5  |

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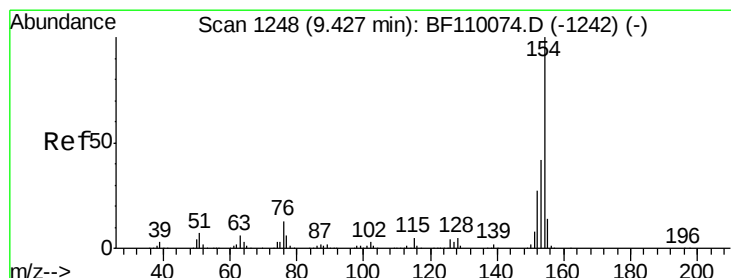
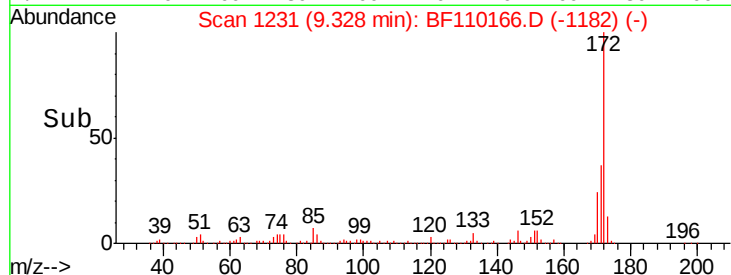
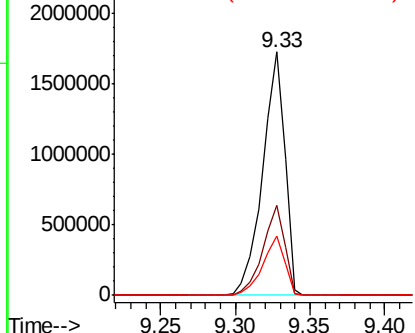


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 38.405 ng  
RT: 9.43 min Scan# 1248  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

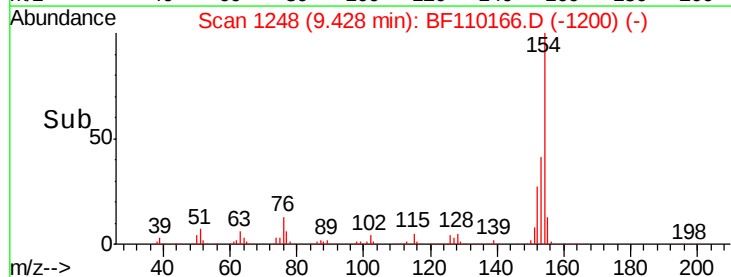
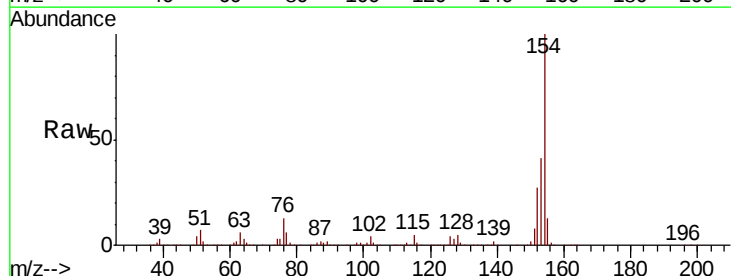
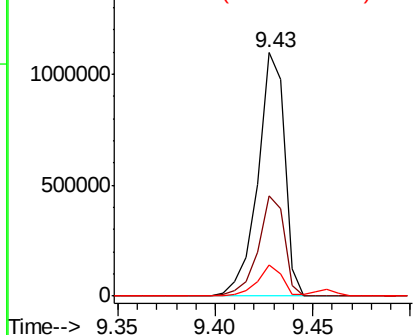
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.2  | 20.4  | 60.4  |
| 76      | 12.7  | 0.0   | 31.9  |

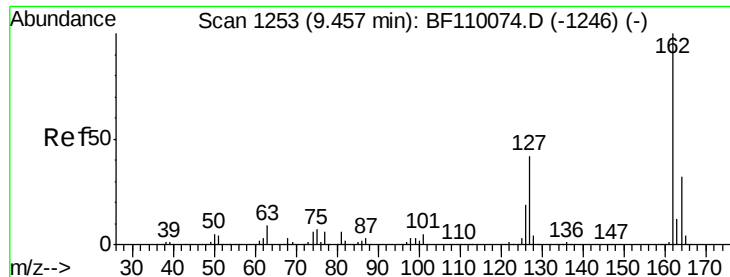
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 39.732 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

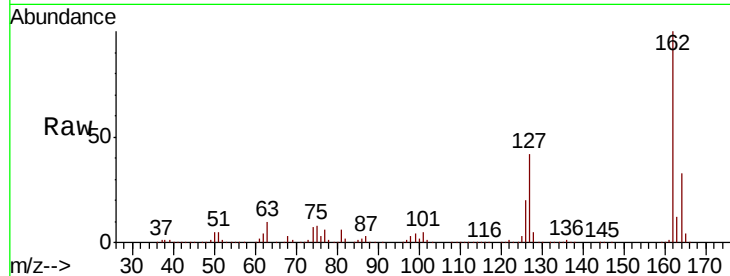
ClientSampleId :

HP-GRID-BMS

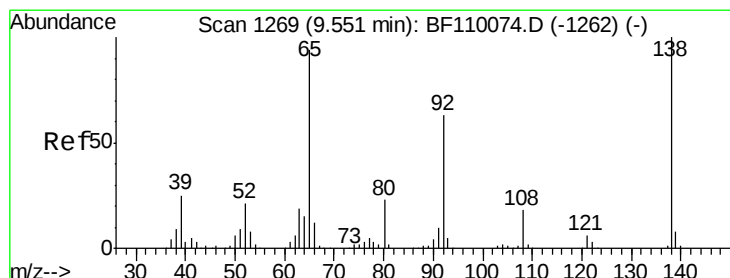
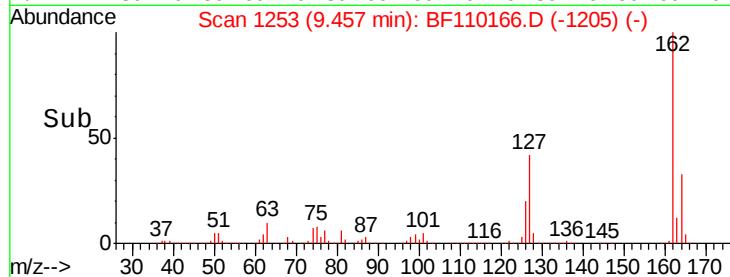
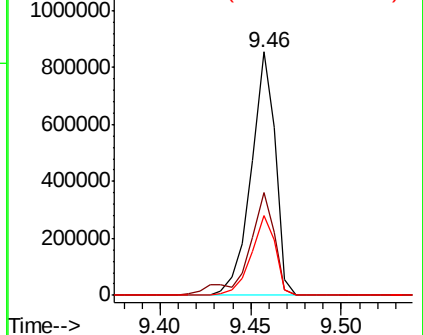
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 790265 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.2  | 32.6  | 48.8   |
| 164       | 32.9  | 25.9  | 38.9   |

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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: 44.340 ng

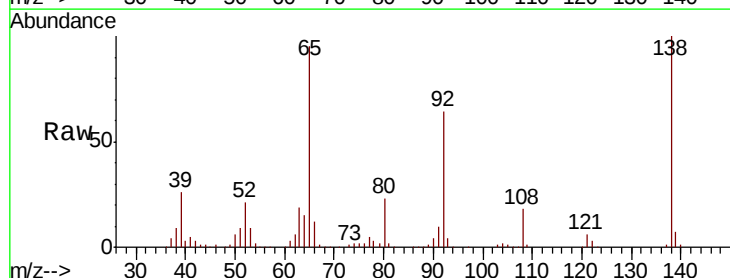
RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

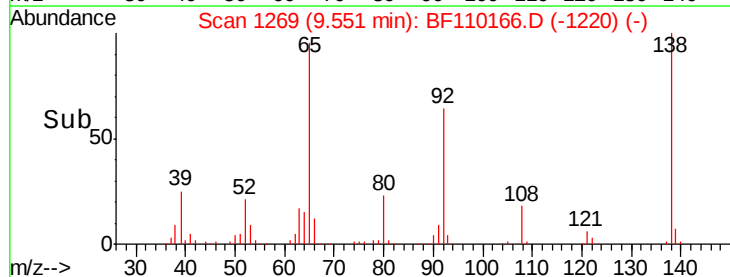
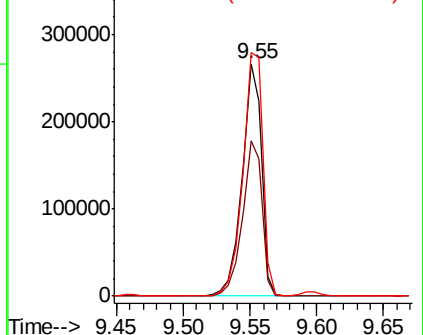
Lab File: BF110166.D

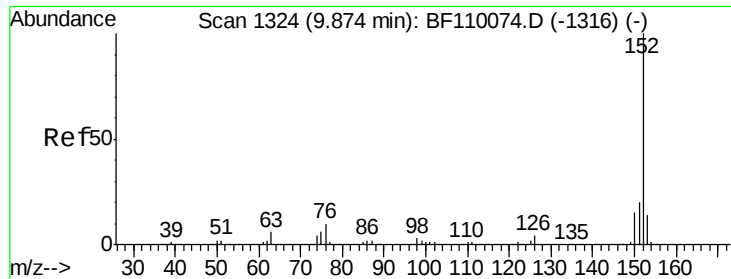
Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 267249 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 66.9  | 54.6  | 81.8   |
| 138       | 104.8 | 80.3  | 120.5  |



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





#49

Acenaphthylene

Concen: 43.666 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

ClientSampleId :

HP-GRID-BMS

Tot Ion:152 Resp: 1254438

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.8

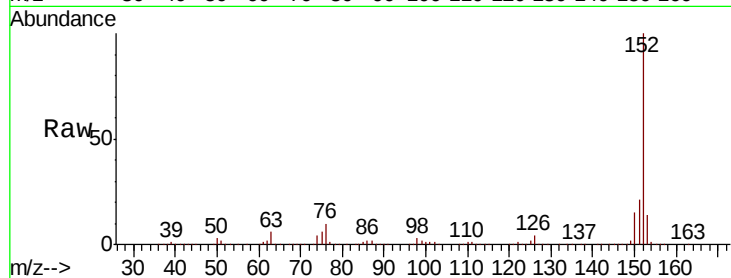
153 14.4 10.4 15.6

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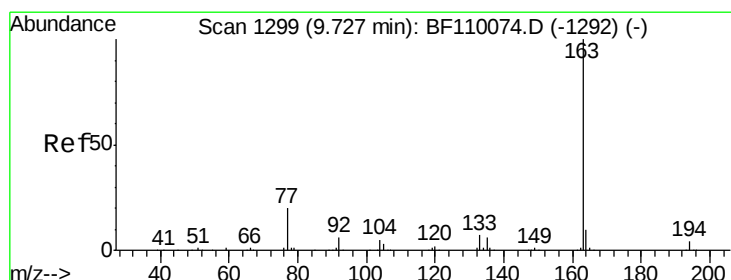
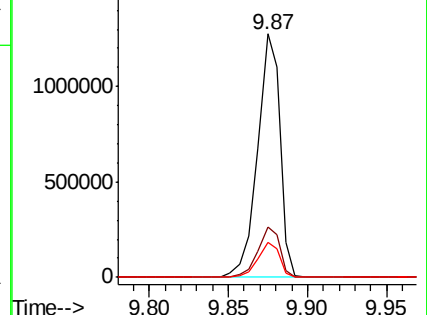
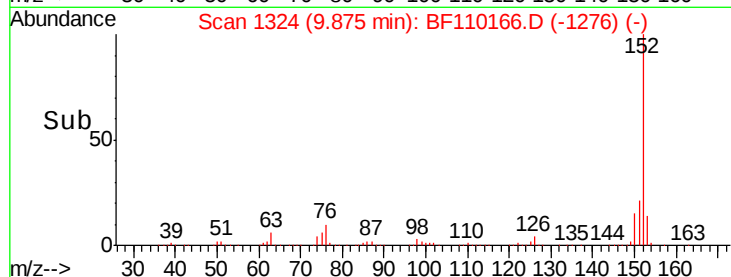
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 53.633 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

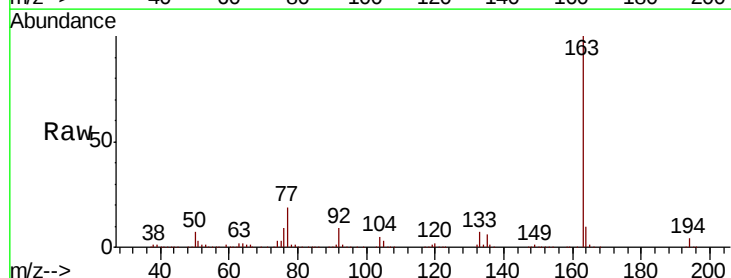
Tgt Ion:163 Resp: 1187123

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

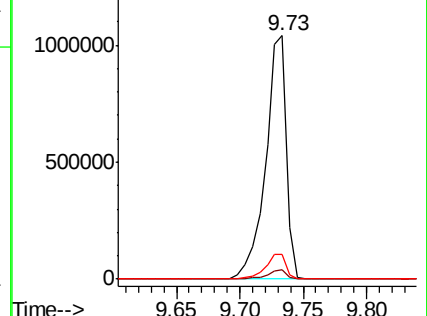
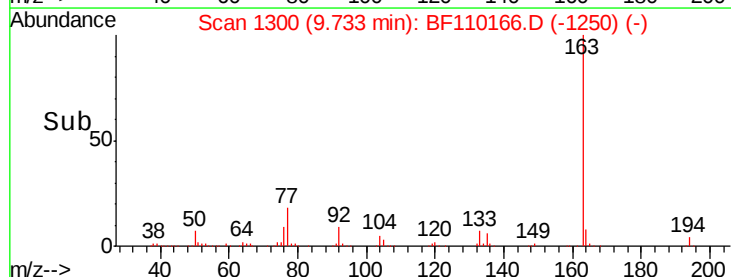
164 10.2 8.1 12.1

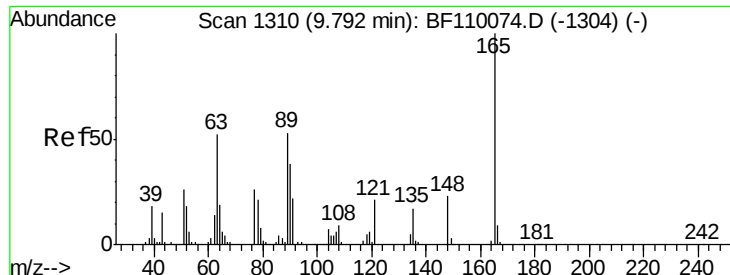


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





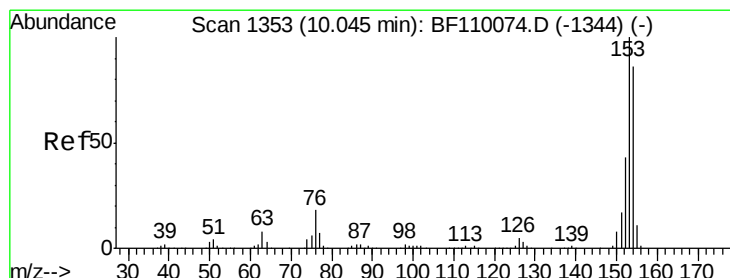
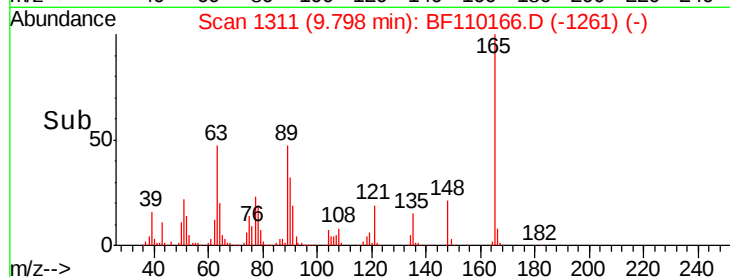
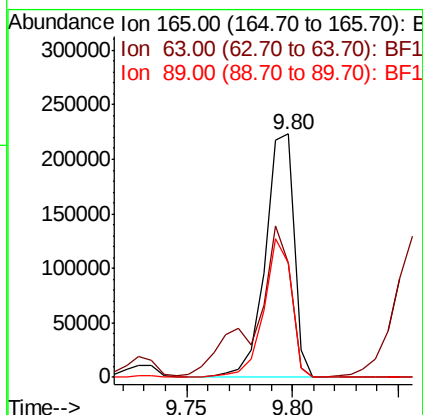
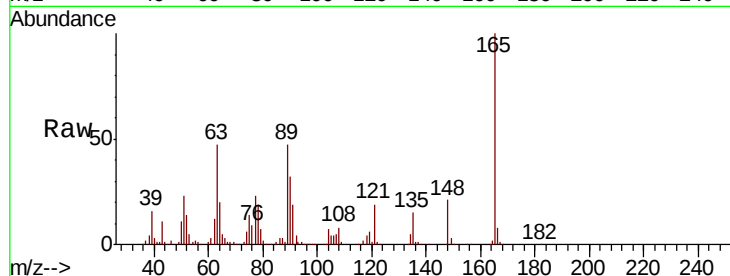
#51  
2,6-Dinitrotoluene  
Concen: 44.497 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 47.2  | 48.9  | 73.3# |
| 89      | 47.1  | 46.6  | 69.8  |

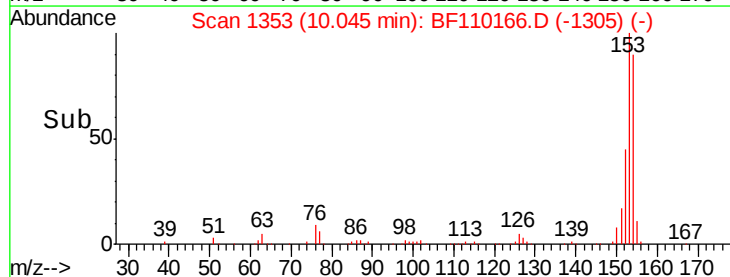
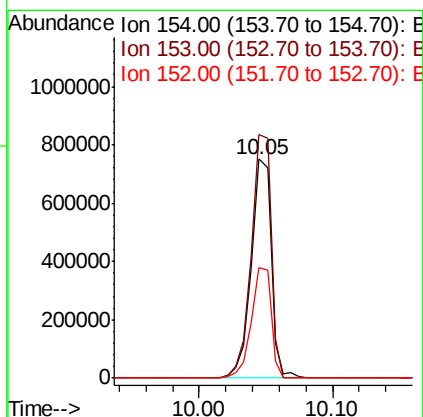
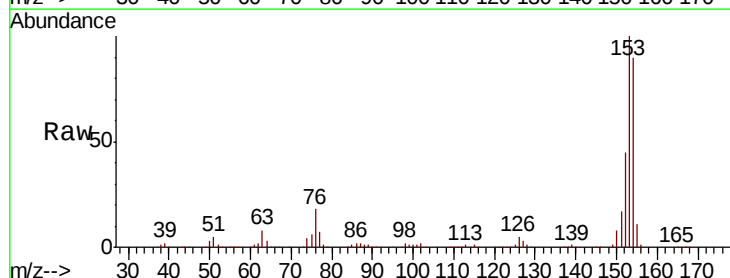
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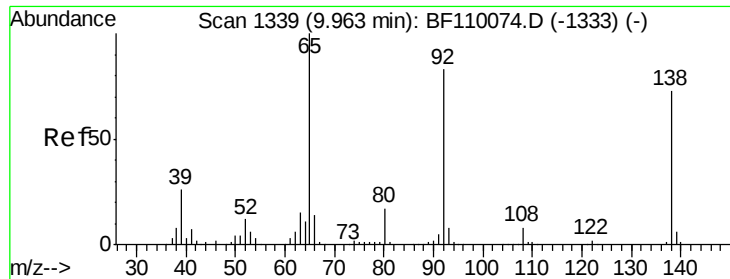
Sohil  
10/26/2018 3:49:18 PM



#52  
Acenaphthene  
Concen: 40.403 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.1 | 90.1  | 135.1 |
| 152     | 50.4  | 43.4  | 65.2  |





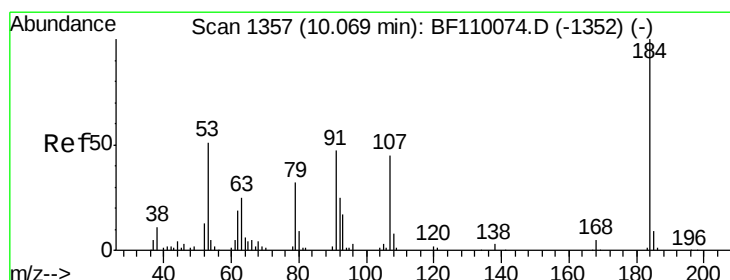
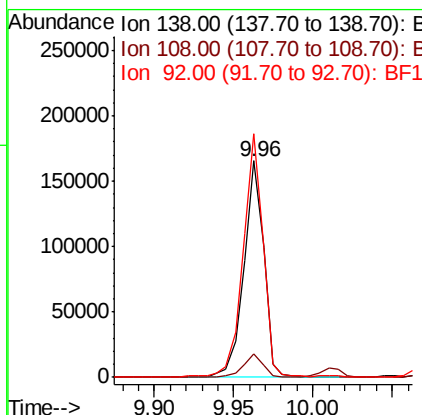
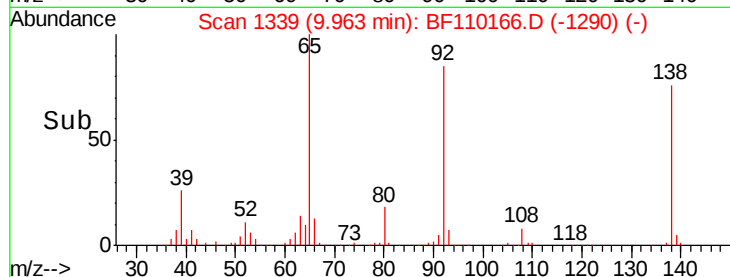
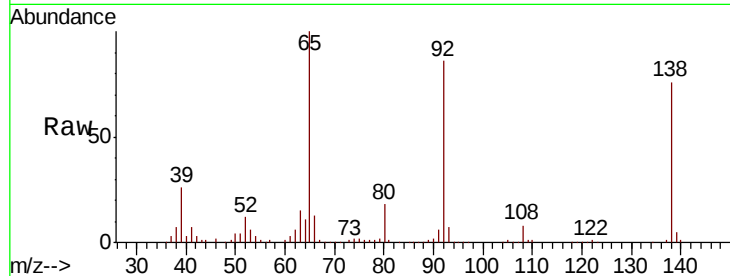
#53  
3-Nitroaniline  
Concen: 25.272 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 8.7   | 13.1  |
| 92      | 112.7 | 97.0  | 145.4 |

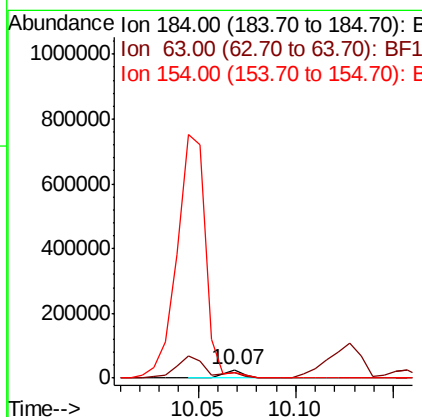
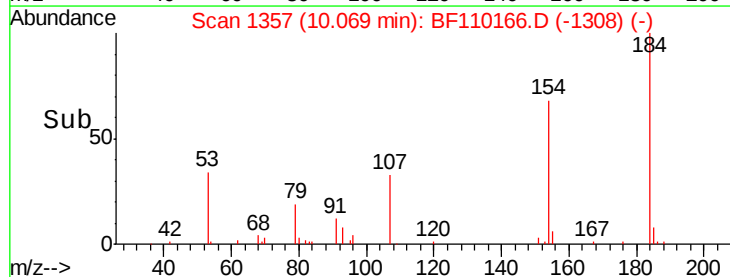
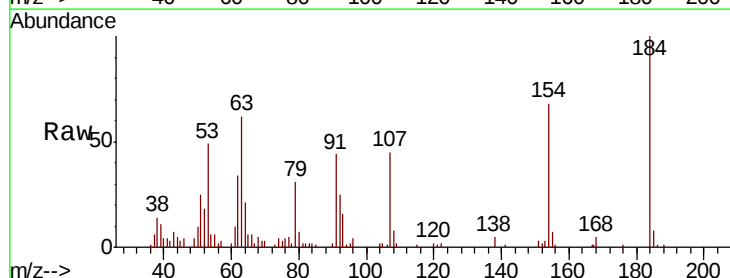
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#54  
2,4-Dinitrophenol  
Concen: 15.707 ng  
RT: 10.07 min Scan# 1357  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 61.7  | 55.8  | 83.6  |
| 154     | 67.5  | 63.2  | 94.8  |





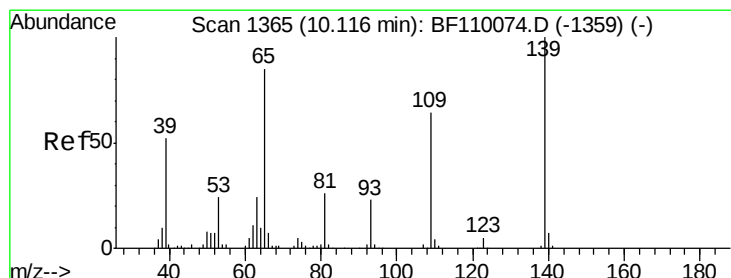
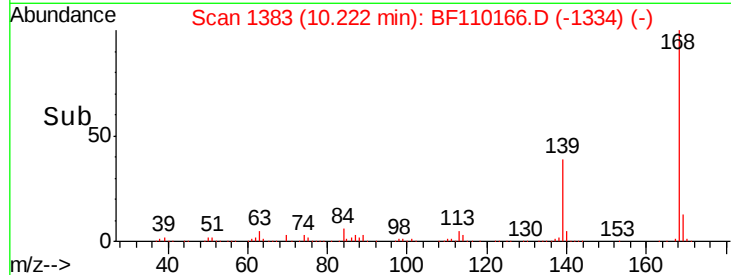
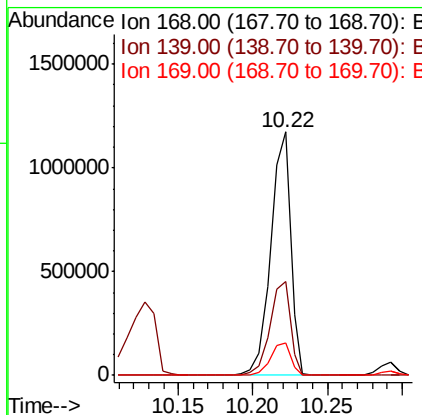
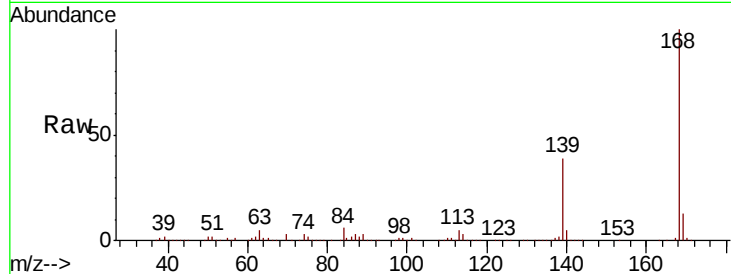
#55  
Dibenzenofuran  
Concen: 40.627 ng  
RT: 10.22 min Scan# 1383  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.8  | 33.0  | 49.6  |
| 169     | 13.3  | 11.3  | 16.9  |

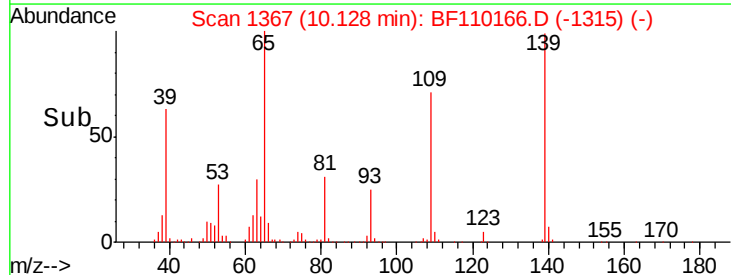
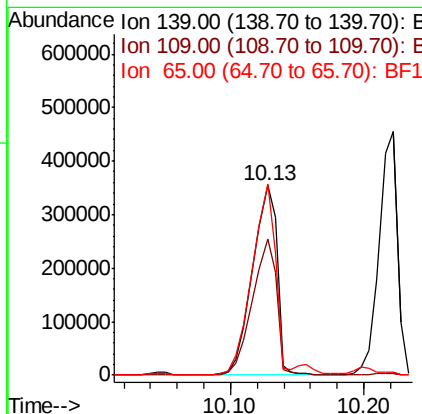
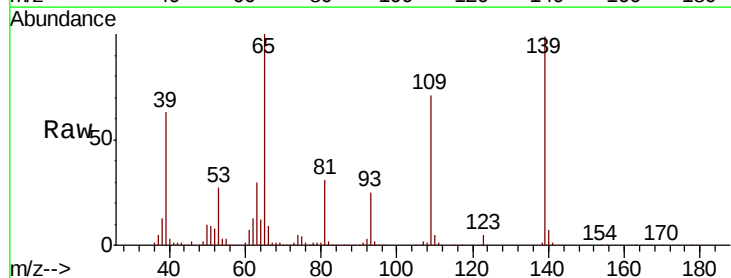
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#56  
4-Nitrophenol  
Concen: 107.330 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 71.8  | 55.8  | 95.8  |
| 65      | 101.0 | 77.9  | 117.9 |





#57

2,4-Dinitrotoluene

Concen: 45.727 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

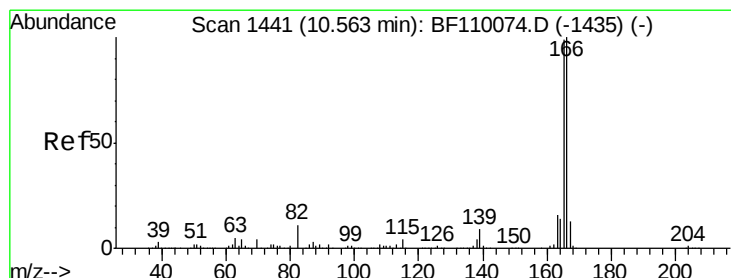
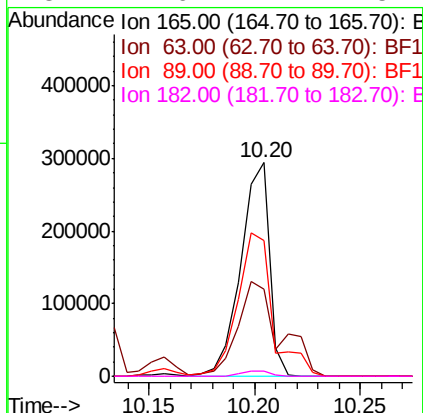
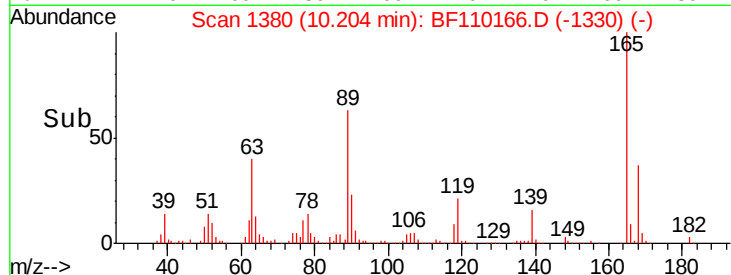
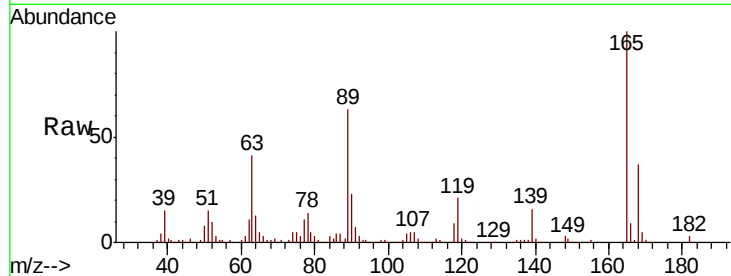
ClientSampleId :

HP-GRID-BMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 276918 |       |       |
| 63      | 40.6 |       | 44.8   | 67.2  | #     |
| 89      | 63.3 |       | 62.2   | 93.4  |       |
| 182     | 2.6  |       | 2.1    | 3.1   |       |

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#58

Fluorene

Concen: 43.129 ng

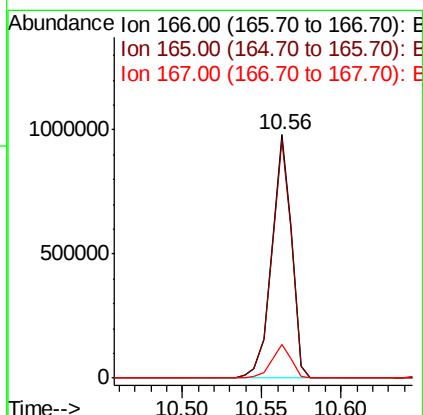
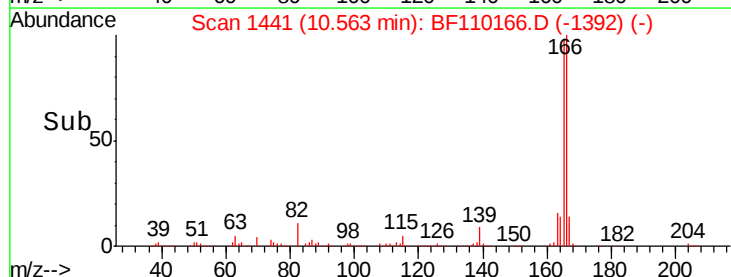
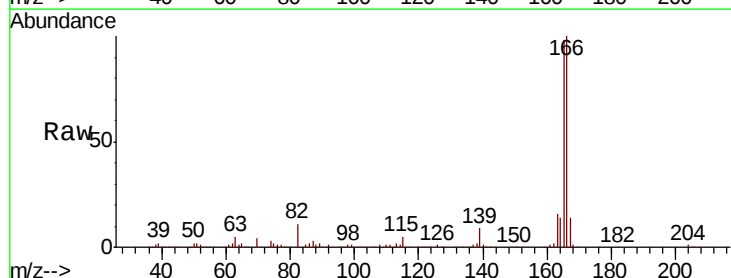
RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 854098 |       |       |
| 165     | 97.9 |       | 78.6   | 117.8 |       |
| 167     | 13.9 |       | 10.8   | 16.2  |       |





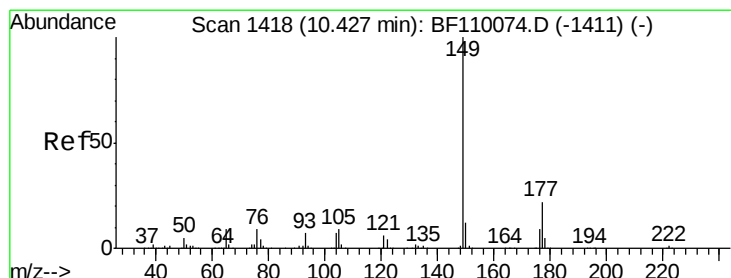
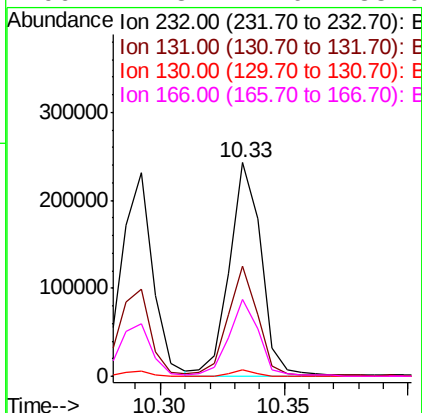
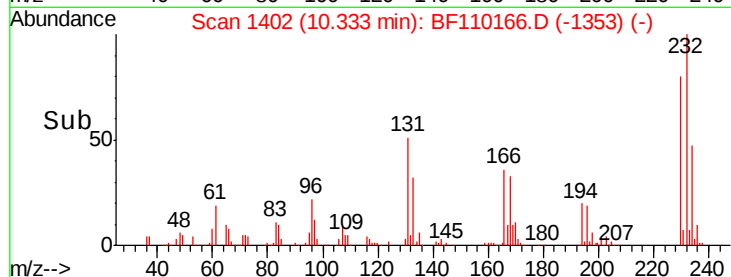
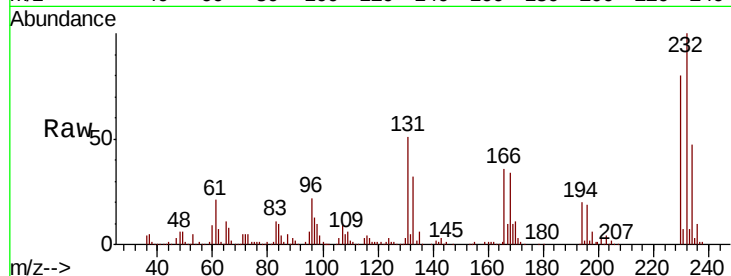
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.881 ng  
RT: 10.33 min Scan# 1402  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 217440 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 40.6  | 37.0  | 55.4   |
| 130       | 2.3   | 1.8   | 2.6    |
| 166       | 24.8  | 22.0  | 33.0   |

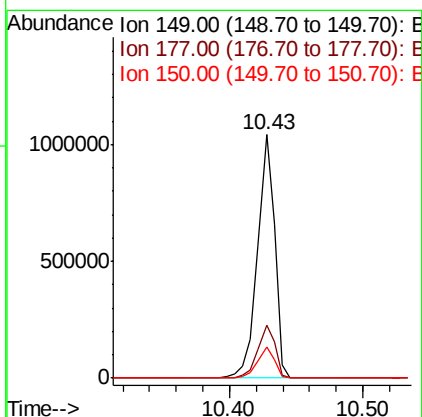
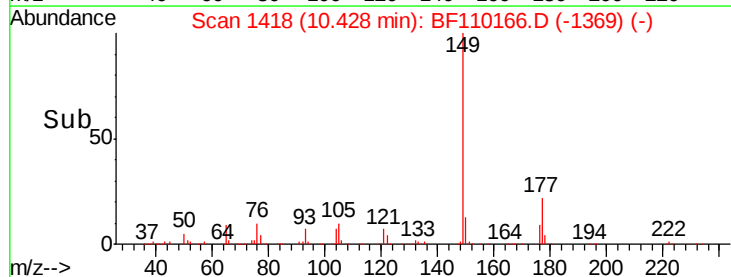
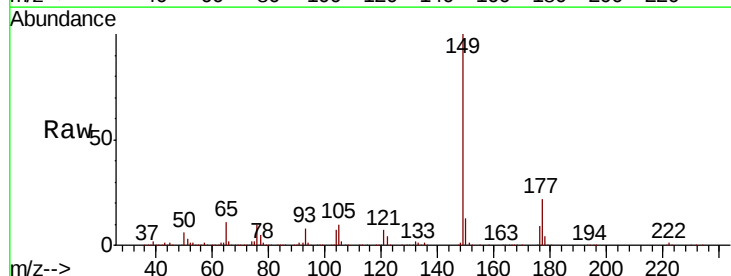
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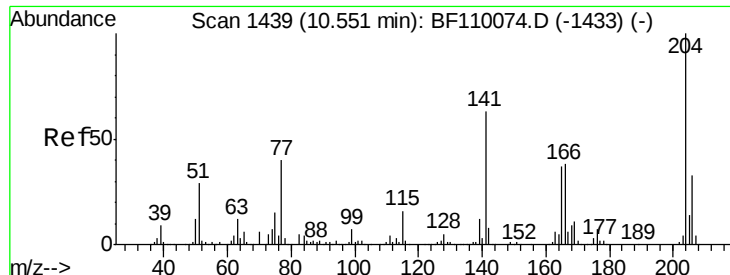
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#60  
Diethylphthalate  
Concen: 41.966 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 906734 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.9  | 17.4  | 26.2   |
| 150       | 12.9  | 9.8   | 14.8   |





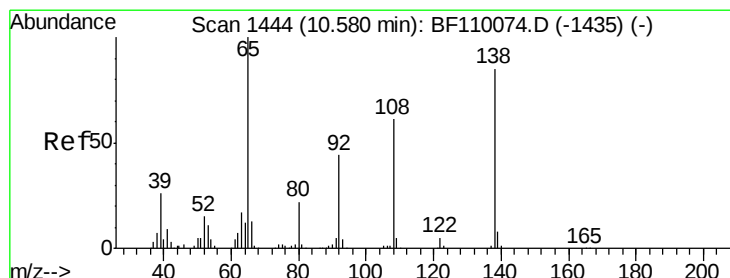
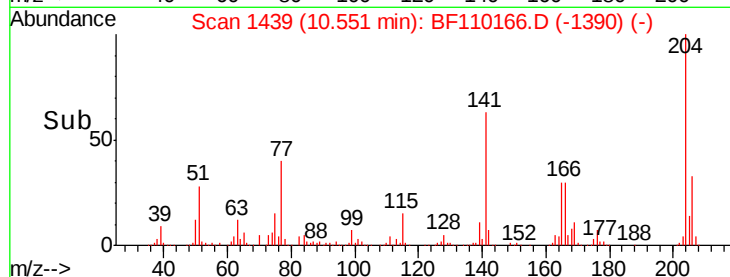
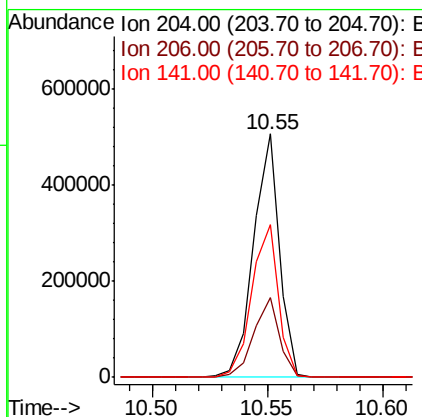
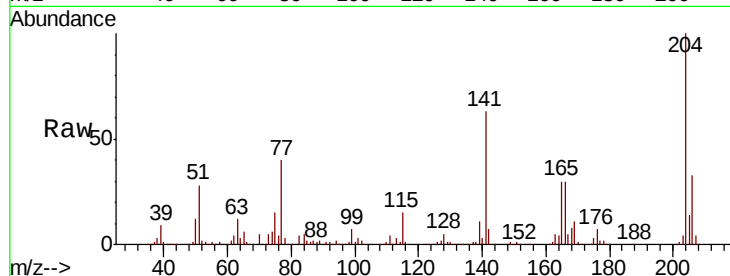
#61  
4-Chlorophenyl-phenylether  
Concen: 38.208 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 26.5  | 39.7  |
| 141     | 62.6  | 51.8  | 77.8  |

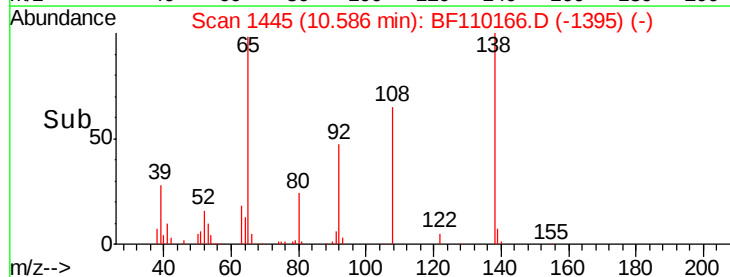
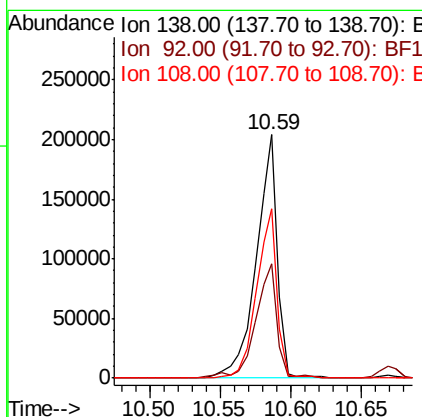
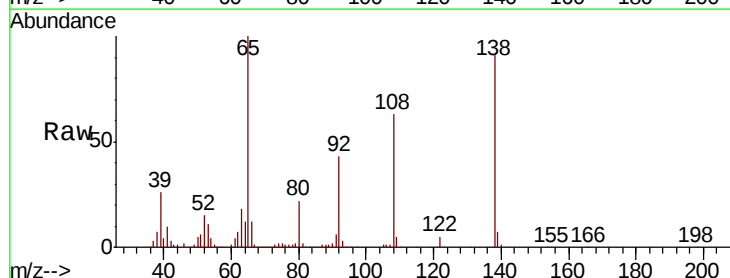
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#62  
4-Nitroaniline  
Concen: 38.010 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.1  | 31.7  | 71.7  |
| 108     | 69.5  | 59.3  | 99.3  |





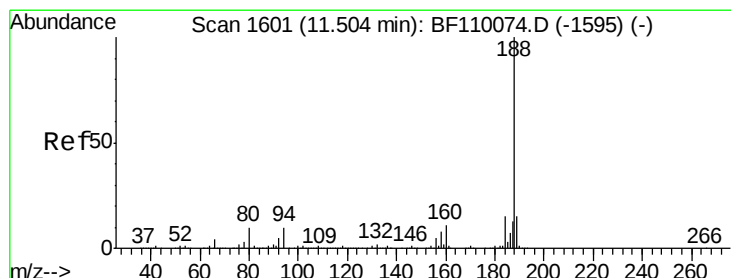
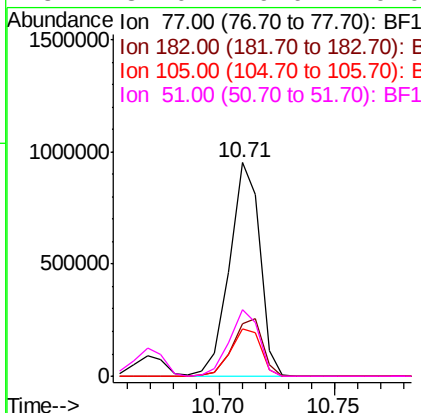
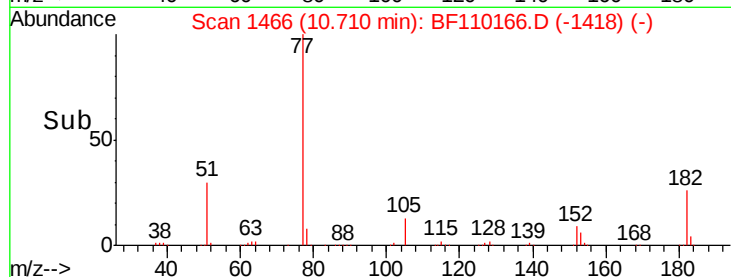
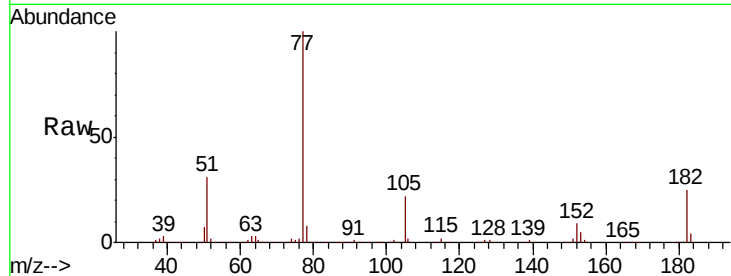
#63  
Azobenzene  
Concen: 40.662 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 24.7  | 4.3   | 44.3  |
| 105     | 22.5  | 1.3   | 41.3  |
| 51      | 31.0  | 9.0   | 49.0  |

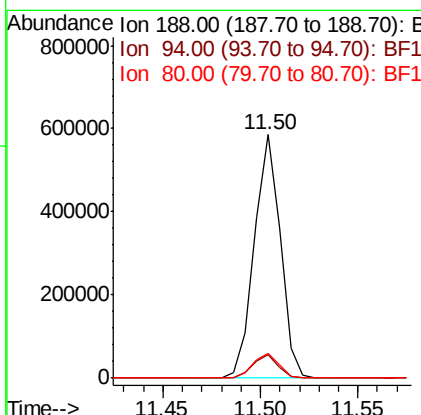
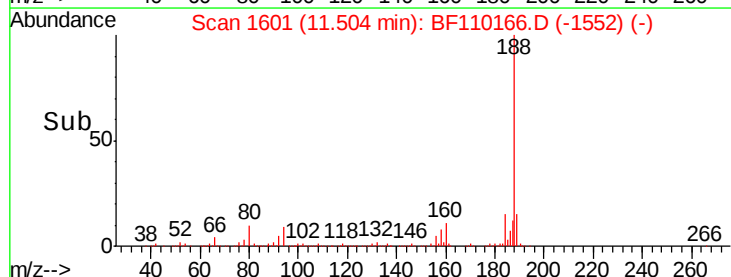
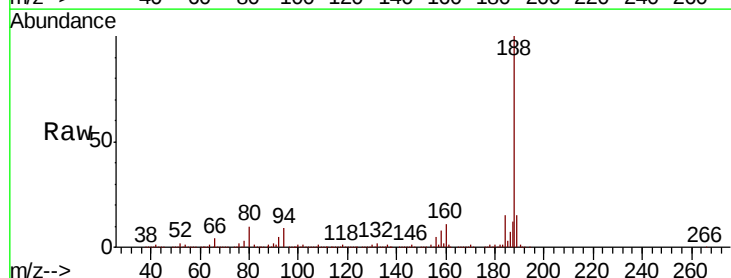
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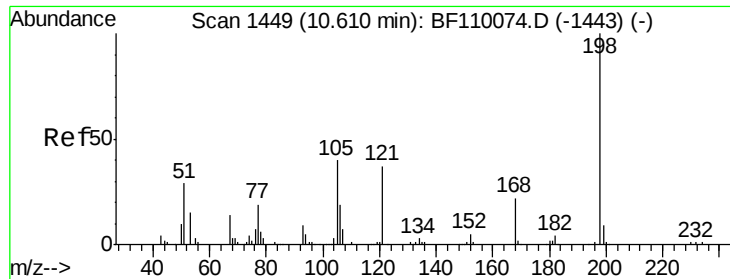
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 7.2   | 10.8  |
| 80      | 9.9   | 7.9   | 11.9  |





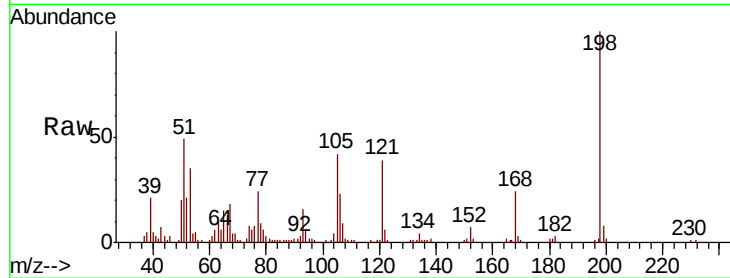
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 24.404 ng  
 RT: 10.61 min Scan# 1449  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 49.5  | 22.8  | 62.8  |
| 105     | 41.5  | 23.6  | 63.6  |

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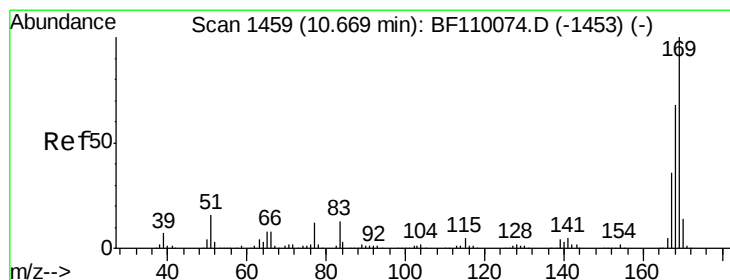
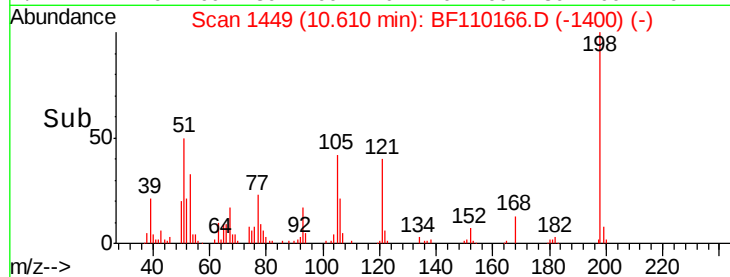
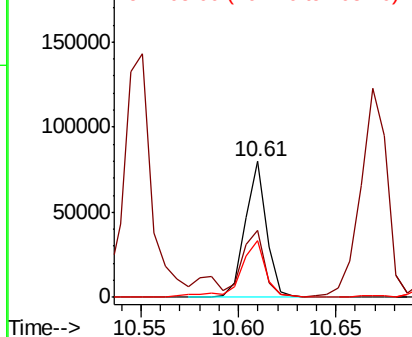


Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66  
 n-Nitrosodiphenylamine  
 Concen: 43.045 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

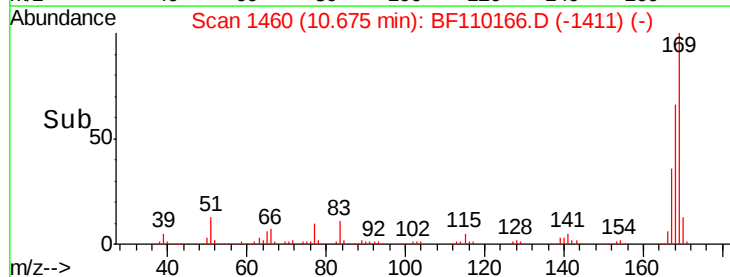
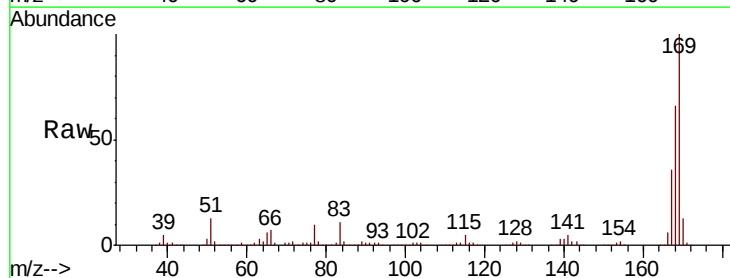
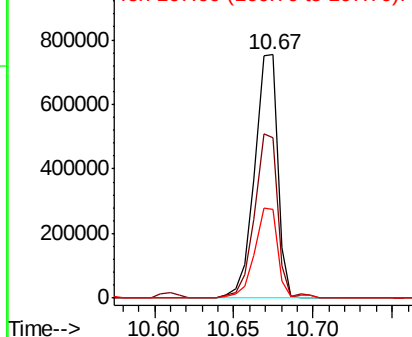
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.1  | 51.2  | 76.8  |
| 167     | 36.3  | 27.8  | 41.6  |

Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





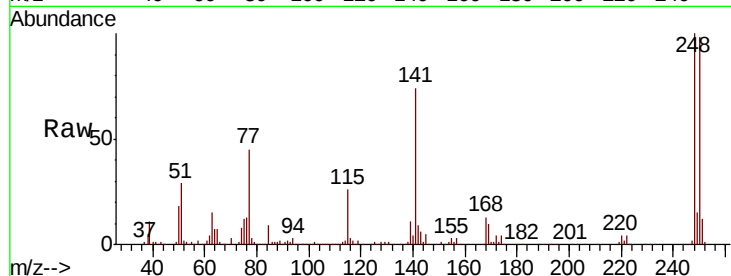
#67  
 4-Bromophenyl-phenylether  
 Concen: 41.006 ng  
 RT: 11.05 min Scan# 1523  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

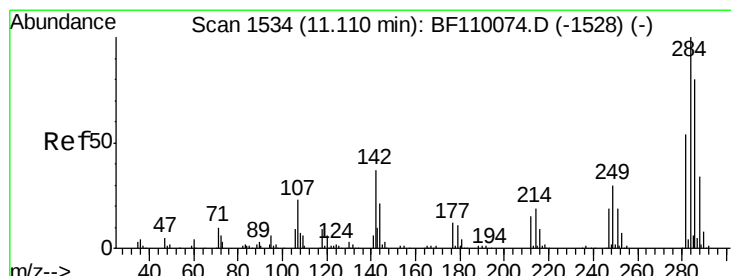
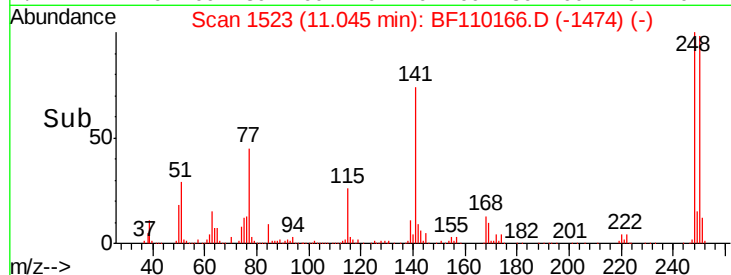
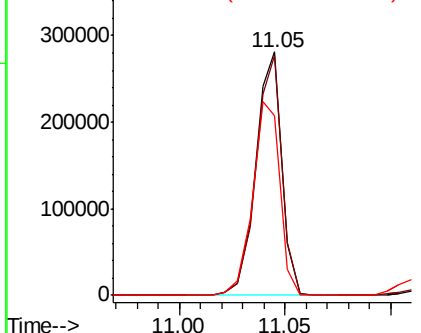
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 241777 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 98.4  | 79.4  | 119.2  |
| 141       | 73.7  | 55.9  | 83.9   |

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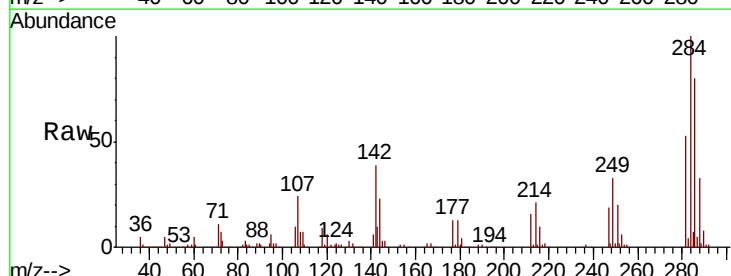


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

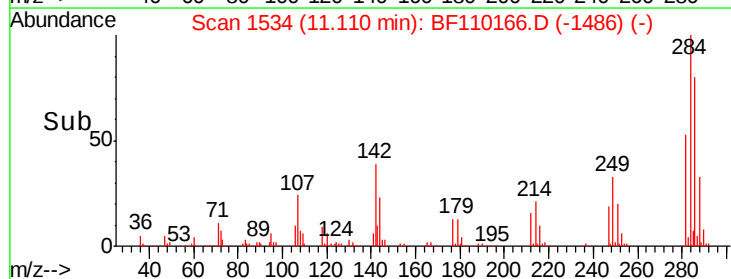
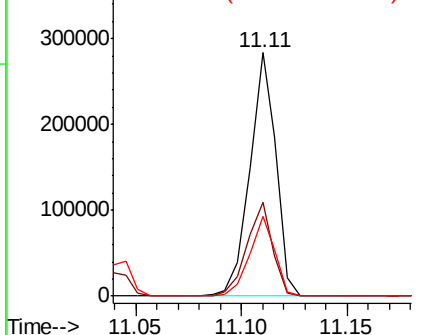


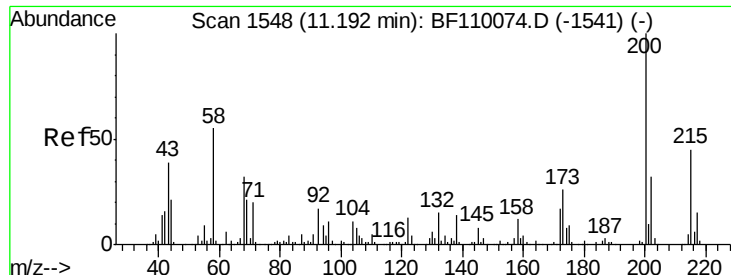
#68  
 Hexachlorobenzene  
 Concen: 38.846 ng  
 RT: 11.11 min Scan# 1534  
 Delta R.T. -0.02 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 243021 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 38.7  | 23.9  | 35.9#  |
| 249       | 32.6  | 24.2  | 36.2   |



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E





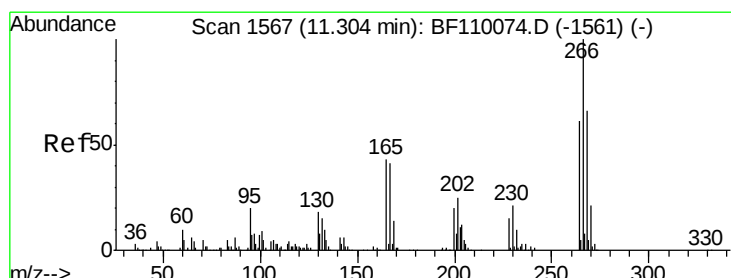
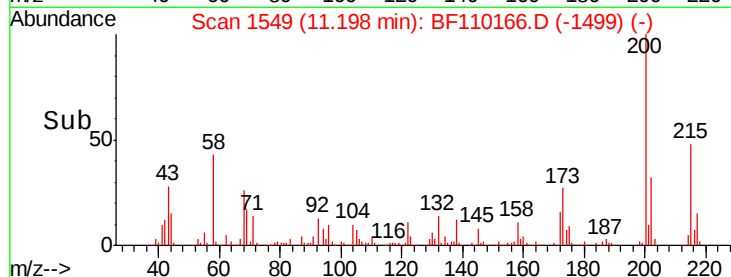
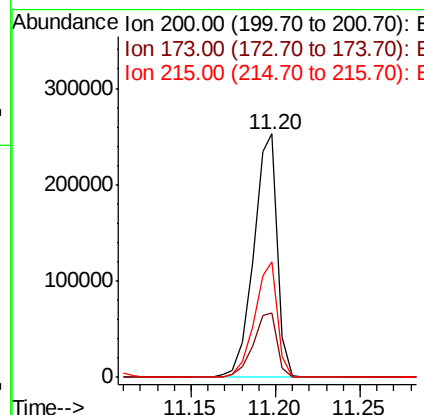
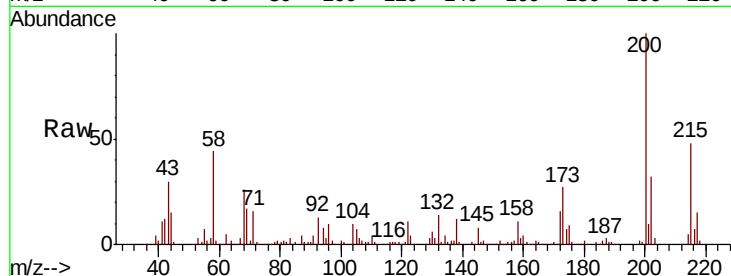
#69  
 Atrazine  
 Concen: 43.791 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.6  | 6.6   | 46.6  |
| 215     | 47.6  | 26.3  | 66.3  |

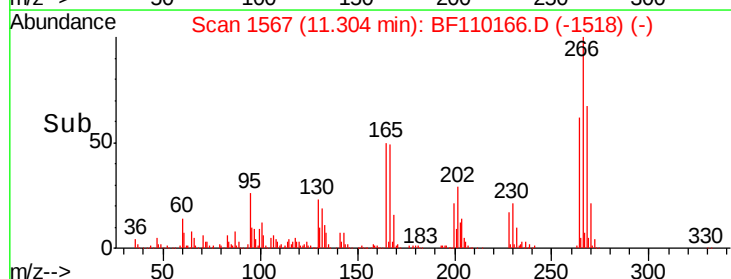
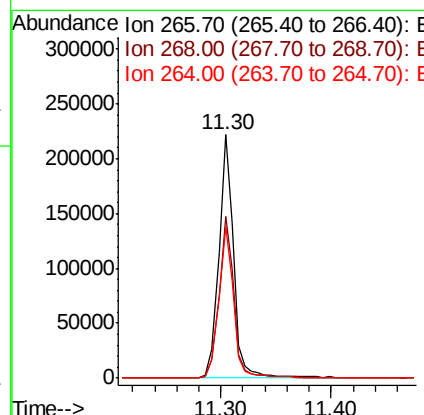
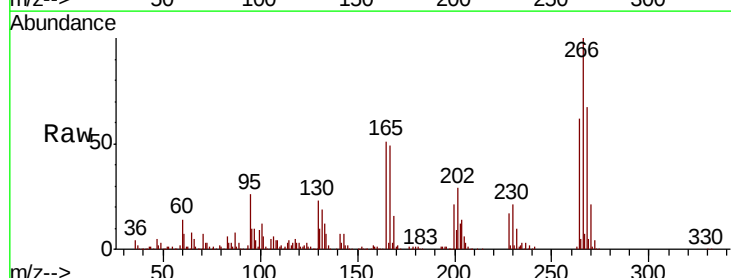
Manual Integrations  
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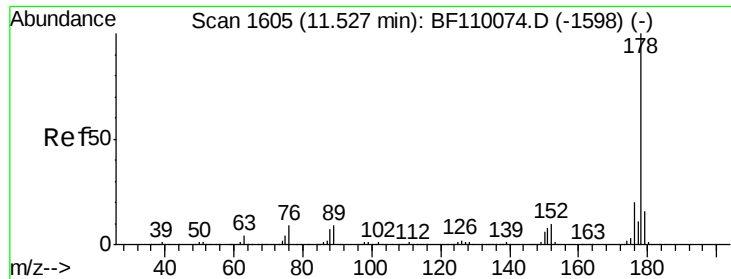
Sohil  
 10/26/2018 3:49:18 PM



#70  
 Pentachlorophenol  
 Concen: 56.046 ng  
 RT: 11.30 min Scan# 1567  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.6  | 50.6  | 75.8  |
| 264     | 62.3  | 50.6  | 75.8  |





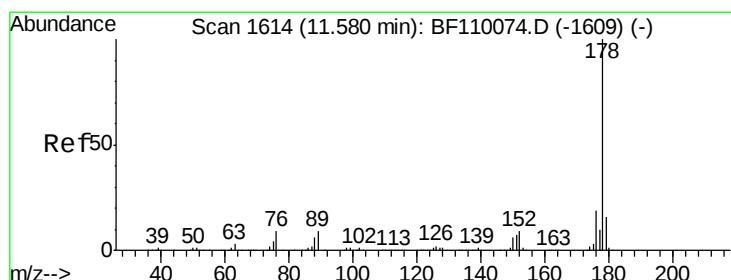
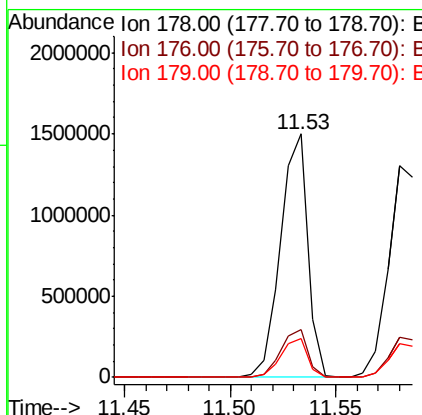
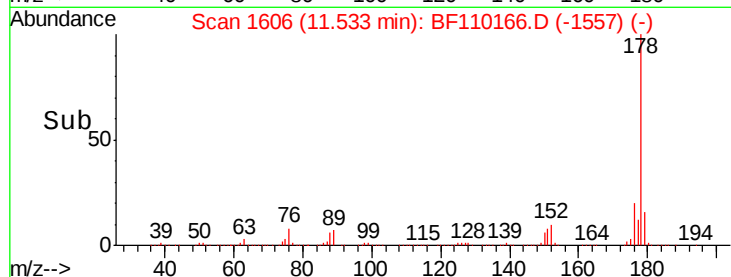
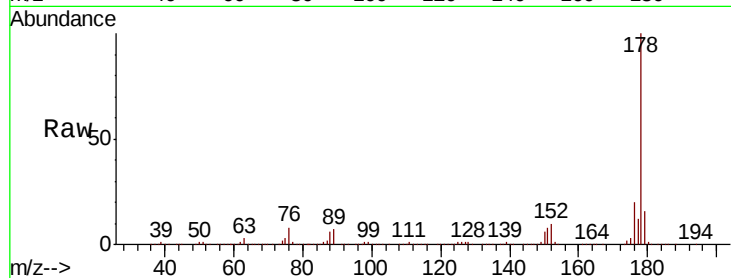
#71  
Phenanthrene  
Concen: 47.698 ng  
RT: 11.53 min Scan# 1606  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

Tot Ion:178 Resp: 1356656  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.5 23.3  
179 15.8 12.5 18.7

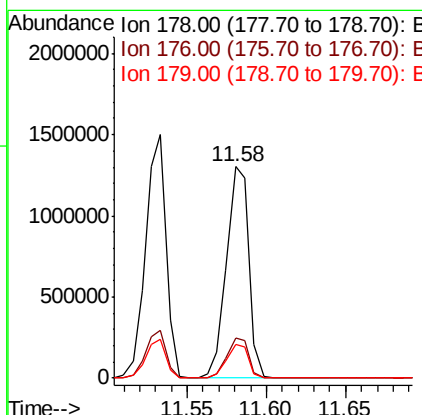
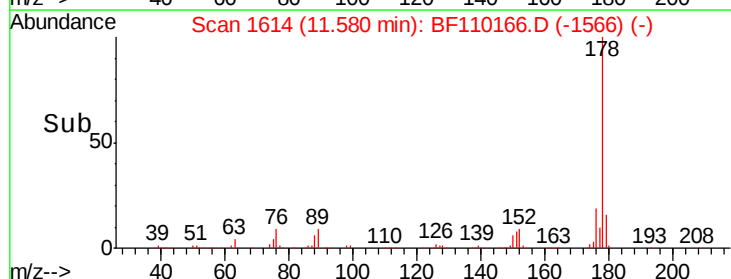
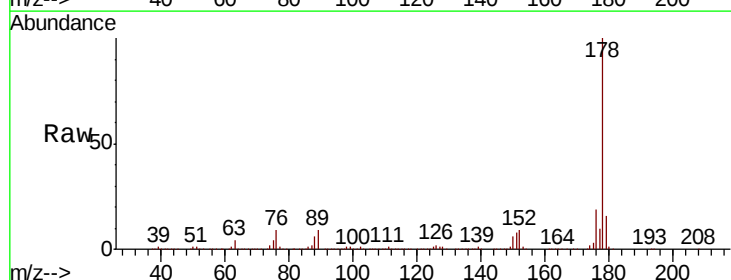
Manual Integrations  
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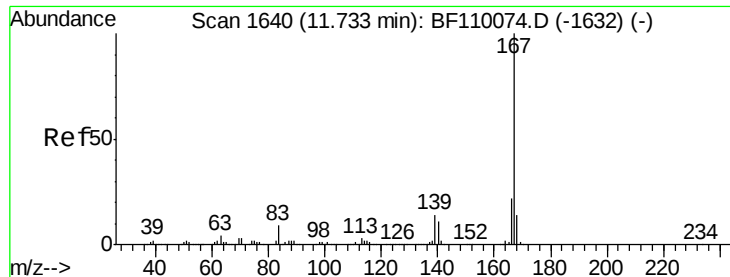
Sohil  
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#72  
Anthracene  
Concen: 44.747 ng  
RT: 11.58 min Scan# 1614  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Tgt Ion:178 Resp: 1275685  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 15.8 12.6 18.8





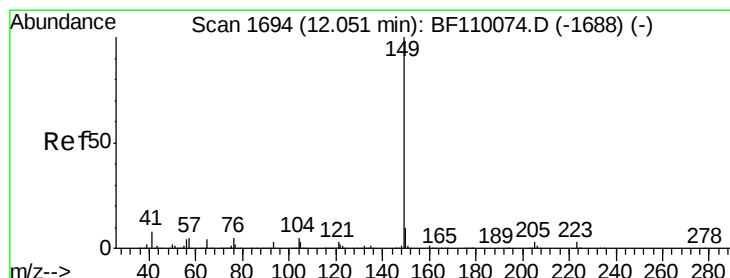
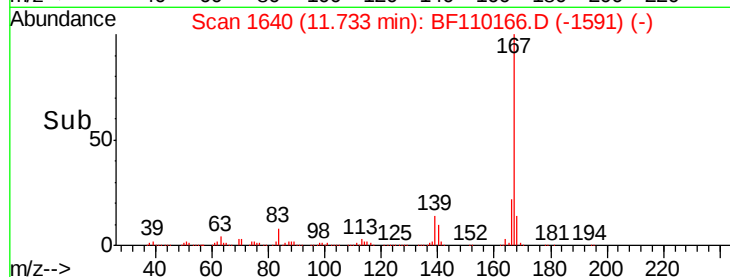
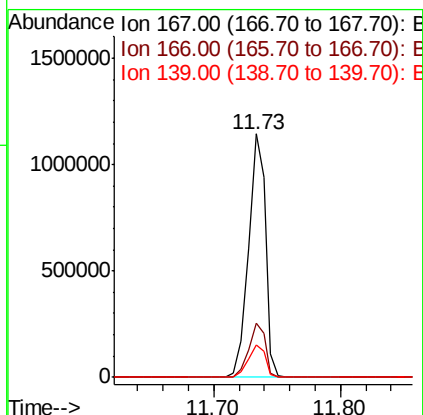
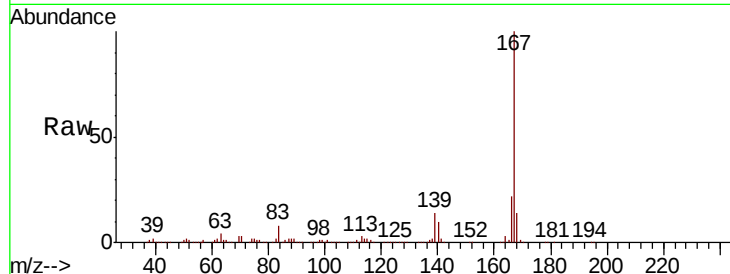
#73  
 Carbazole  
 Concen: 38.257 ng  
 RT: 11.73 min Scan# 1640  
 Delta R.T. -0.01 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HP-GRID-BMS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 167     | 100  |       |       |       |
| 166     | 22.0 | 17.4  | 26.0  |       |
| 139     | 13.6 | 10.9  | 16.3  |       |

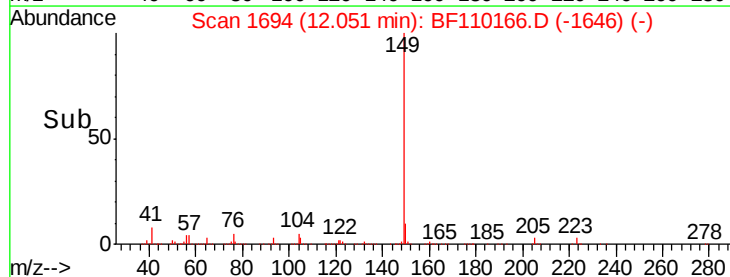
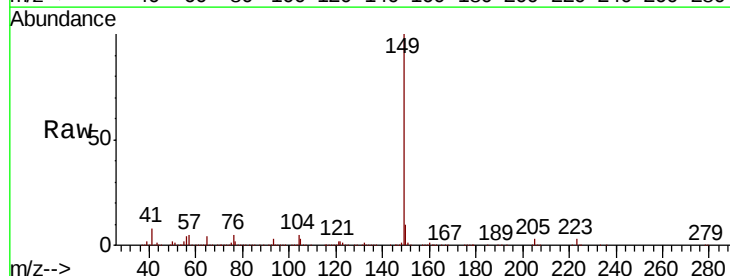
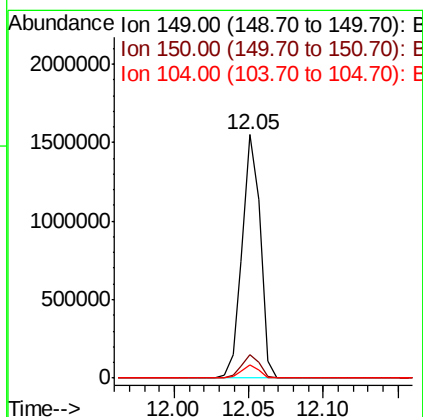
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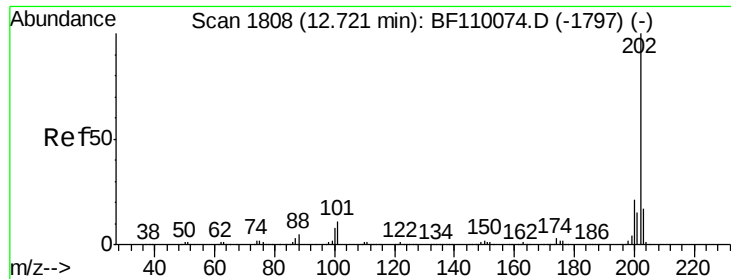
Sohil  
 10/26/2018 3:49:18 PM



#74  
 Di-n-butylphthalate  
 Concen: 41.816 ng  
 RT: 12.05 min Scan# 1694  
 Delta R.T. -0.02 min  
 Lab File: BF110166.D  
 Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 149     | 100 |       |       |       |
| 150     | 9.5 | 7.7   | 11.5  |       |
| 104     | 5.3 | 4.2   | 6.4   |       |





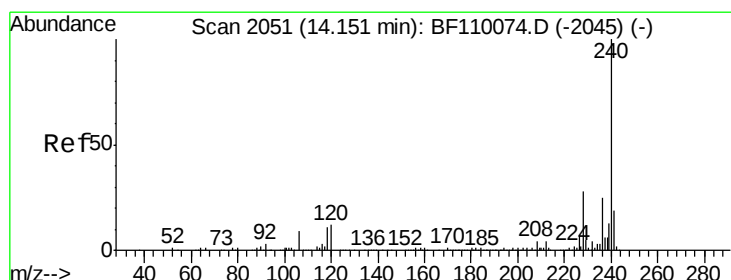
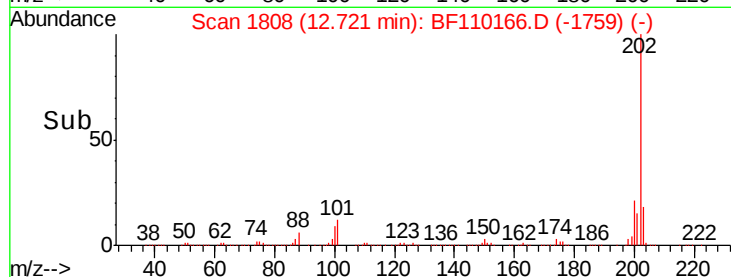
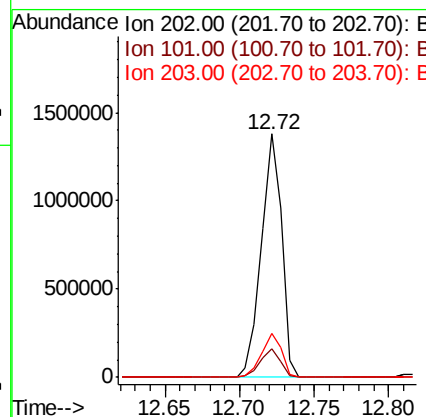
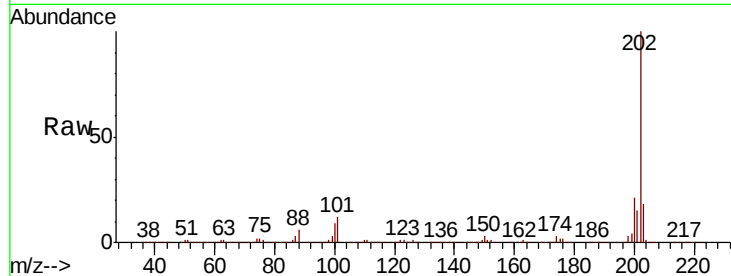
#75  
Fluoranthene  
Concen: 44.512 ng  
RT: 12.72 min Scan# 1808  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 0.0   | 31.4  |
| 203     | 17.8  | 0.0   | 37.7  |

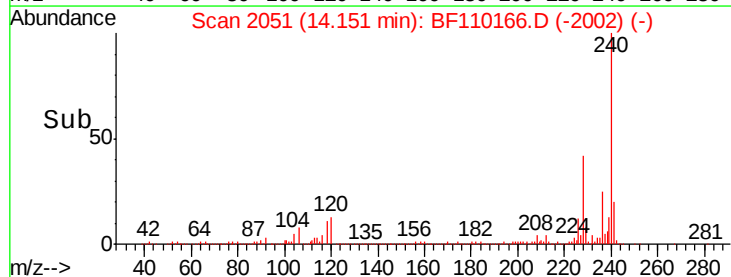
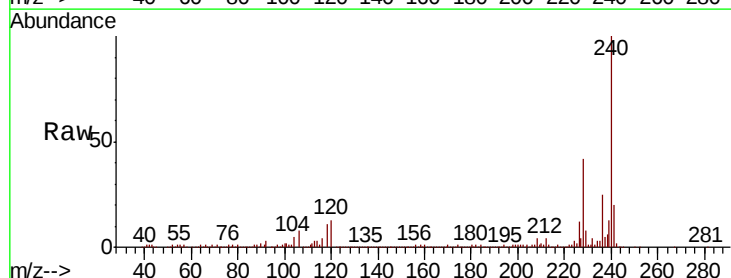
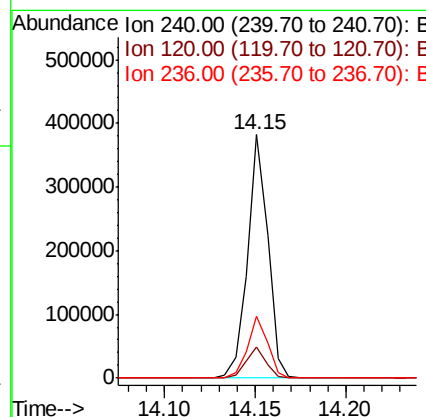
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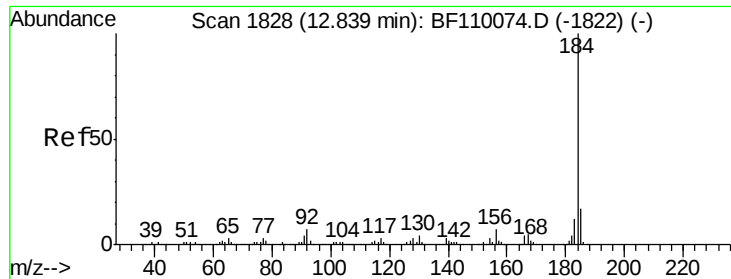
Sohil  
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.6  | 8.3   | 12.5# |
| 236     | 25.4  | 21.2  | 31.8  |





#77

Benzidine

Concen: 29.776 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

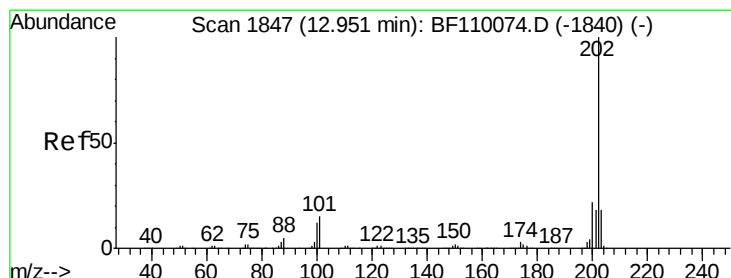
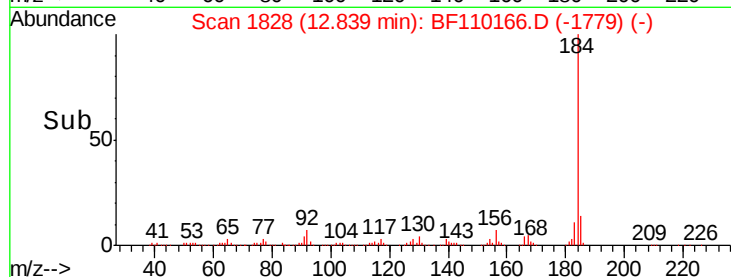
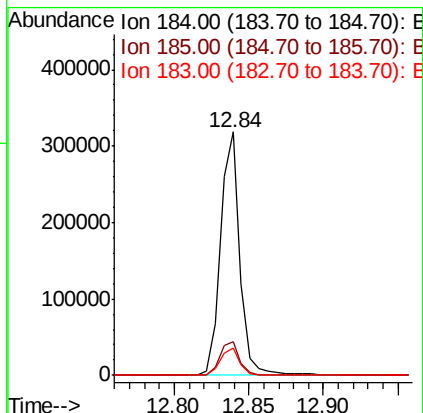
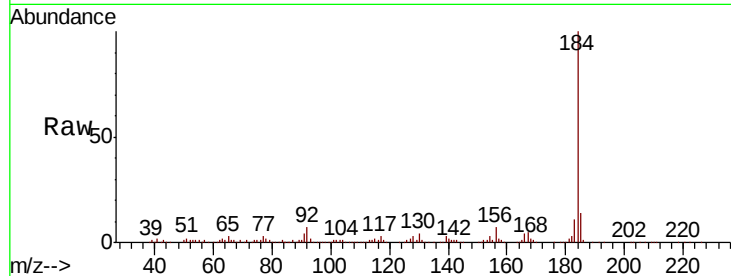
ClientSampleId :

HP-GRID-BMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 290552 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.9  | 13.4  | 20.2   |
| 183       | 11.4  | 9.4   | 14.2   |

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#78

Pyrene

Concen: 58.287 ng

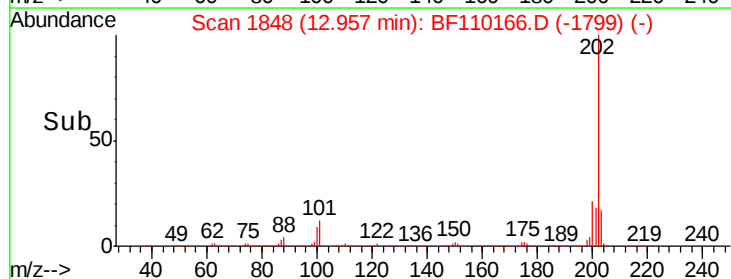
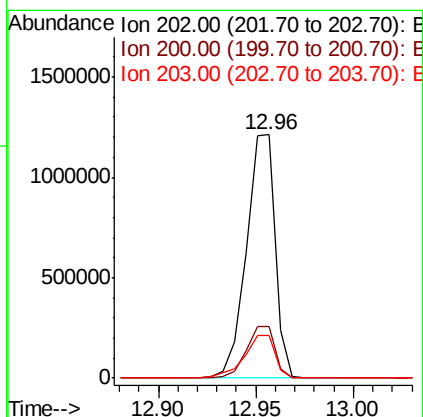
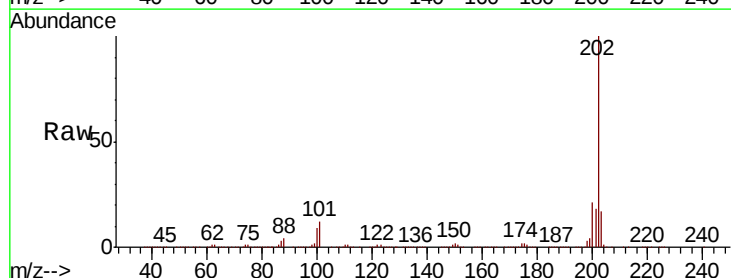
RT: 12.96 min Scan# 1848

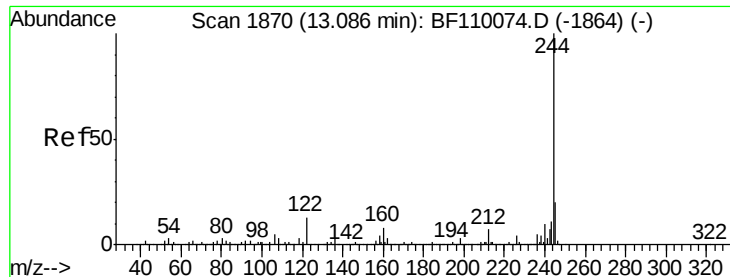
Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1238938 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.4  | 17.8  | 26.6    |
| 203       | 17.3  | 14.2  | 21.4    |





#79

Terphenyl-d14

Concen: 101.459 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

ClientSampleId :

HP-GRID-BMS

Tot Ion:244 Resp: 1446420

Ion Ratio Lower Upper

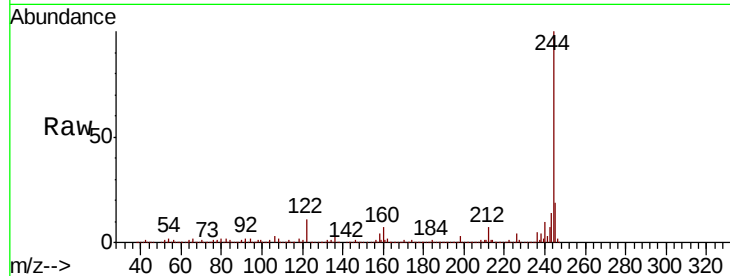
244 100

212 6.9 5.8 8.8

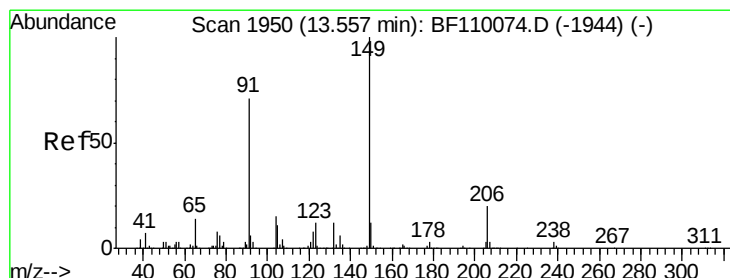
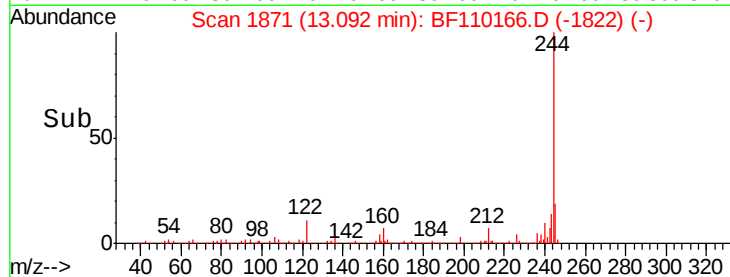
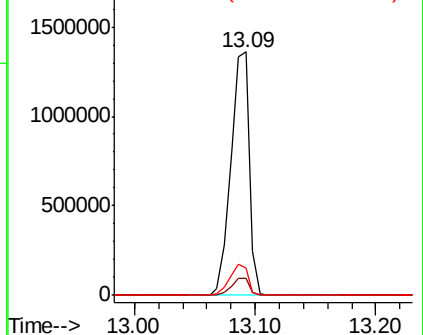
122 11.1 8.7 13.1

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.792 ng

RT: 13.56 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

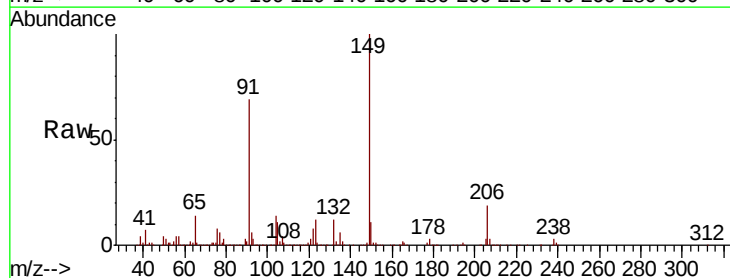
Tgt Ion:149 Resp: 450153

Ion Ratio Lower Upper

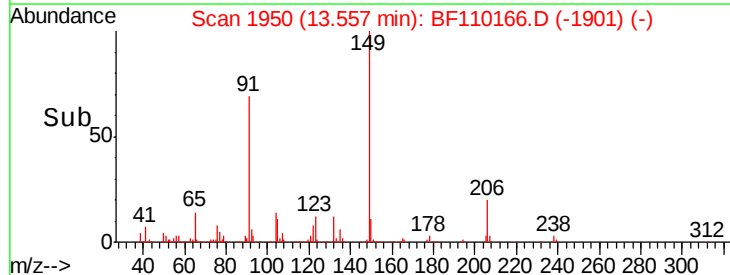
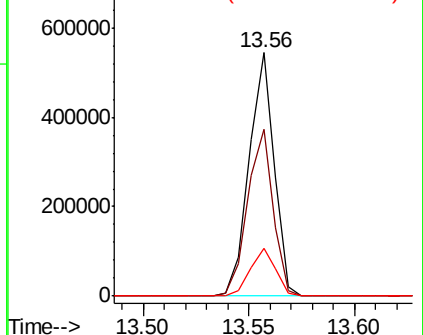
149 100

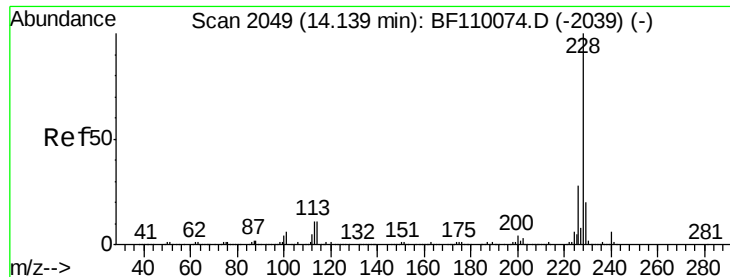
91 68.7 57.2 85.8

206 19.5 15.7 23.5



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF1  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.640 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

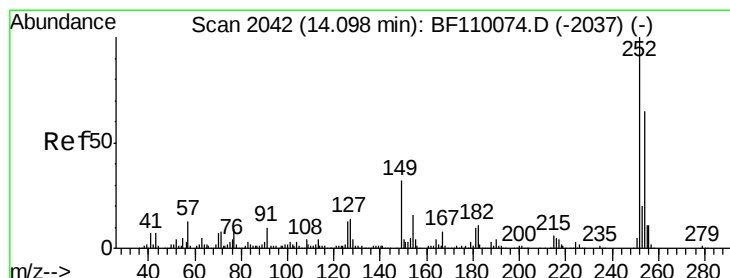
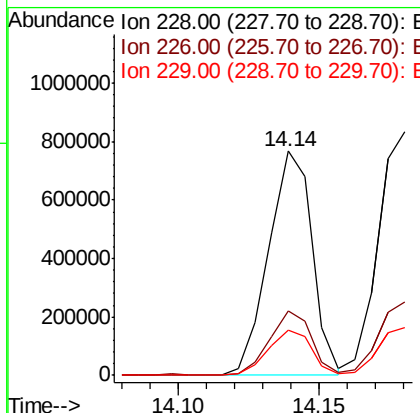
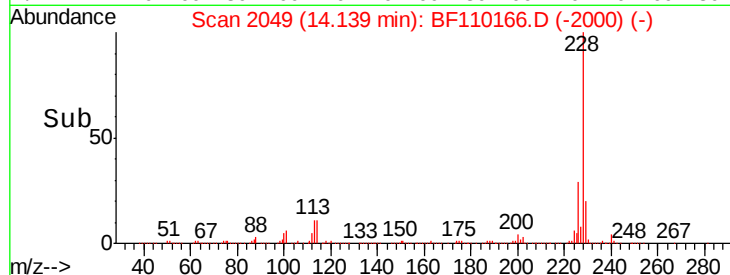
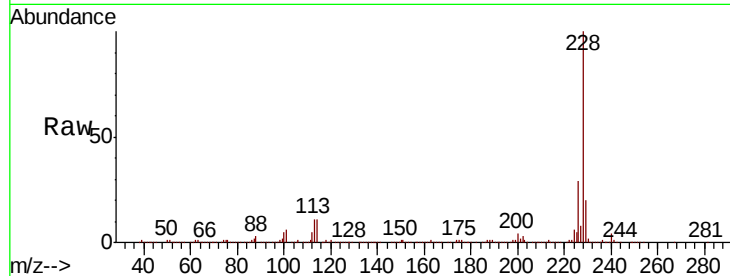
ClientSampleId :

HP-GRID-BMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 820044 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 28.9 | 22.1  | 33.1   |
| 229       | 20.3 | 15.6  | 23.4   |

Manual Integrations  
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#82

3,3'-Dichlorobenzidine

Concen: 24.242 ng

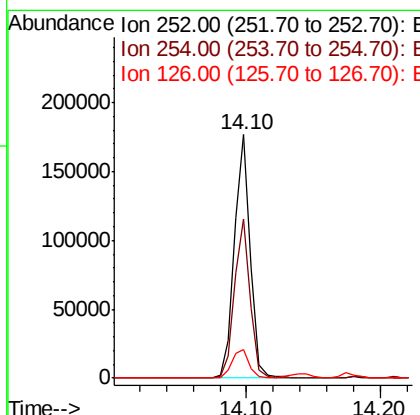
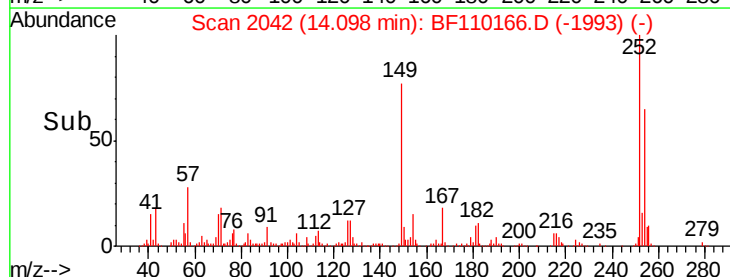
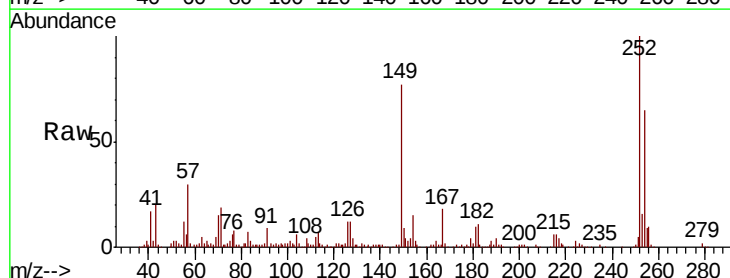
RT: 14.10 min Scan# 2042

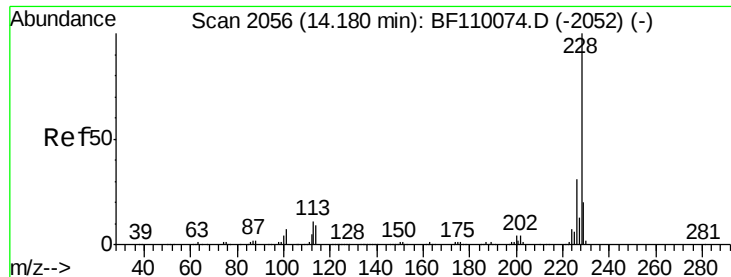
Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 148419 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 254       | 65.5 | 51.3  | 76.9   |
| 126       | 11.9 | 9.4   | 14.2   |





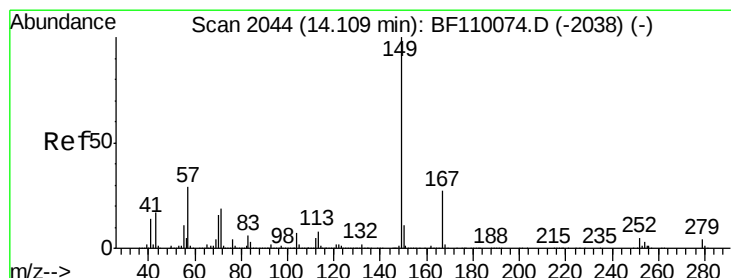
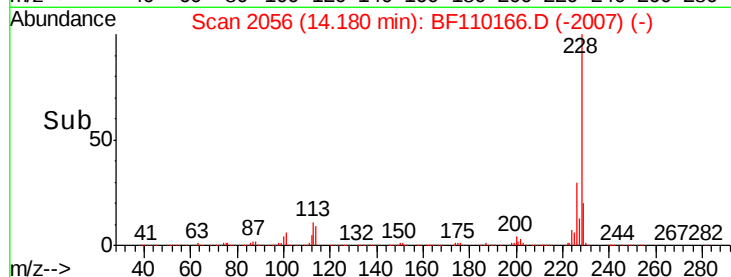
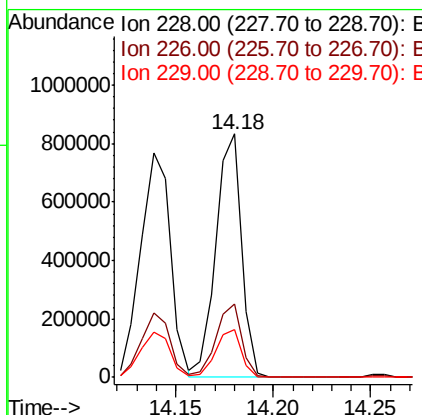
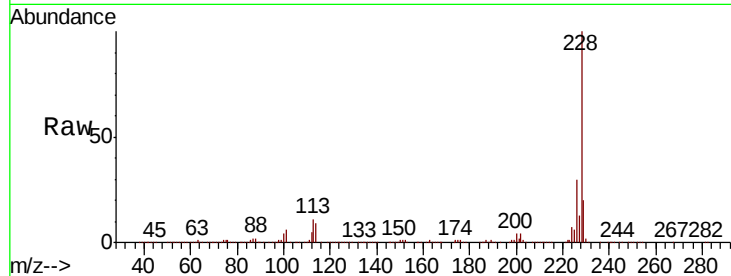
#83  
Chrysene  
Concen: 45.426 ng  
RT: 14.18 min Scan# 2056  
Delta R.T. -0.01 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 24.7  | 37.1  |
| 229     | 19.9  | 15.9  | 23.9  |

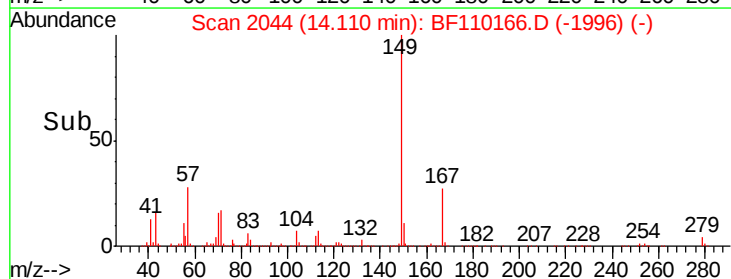
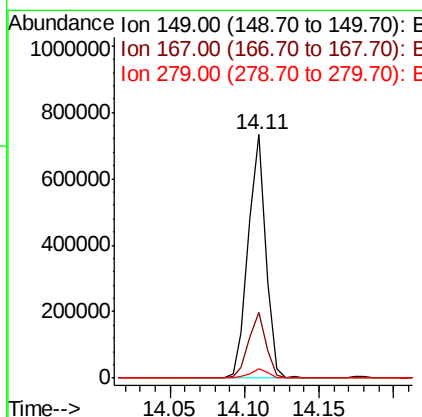
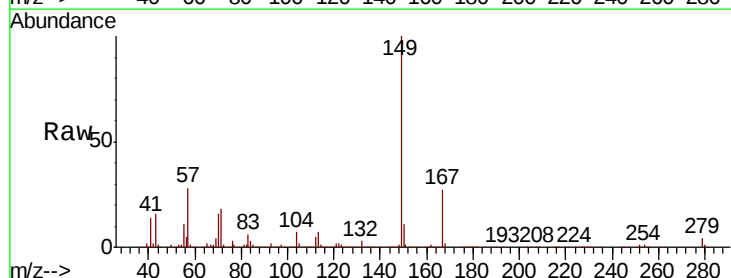
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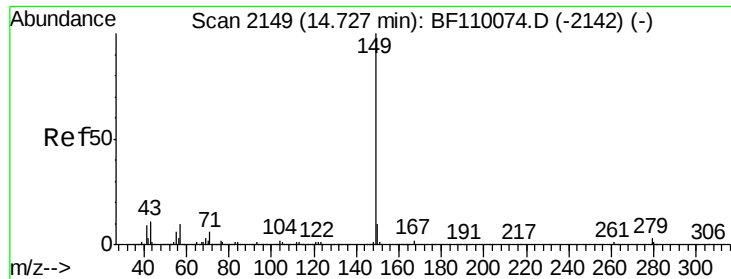
Sohil  
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 47.733 ng  
RT: 14.11 min Scan# 2044  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 19.8  | 29.8  |
| 279     | 3.7   | 2.7   | 4.1   |





#85

Di-n-octyl phthalate

Concen: 45.696 ng

RT: 14.73 min Scan# 2149

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

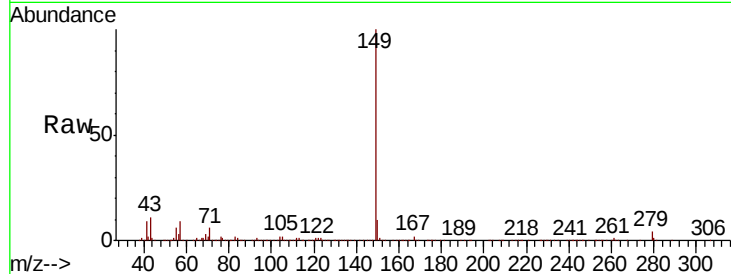
ClientSampleId :

HP-GRID-BMS

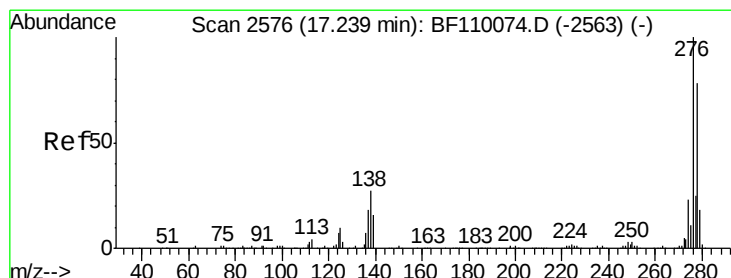
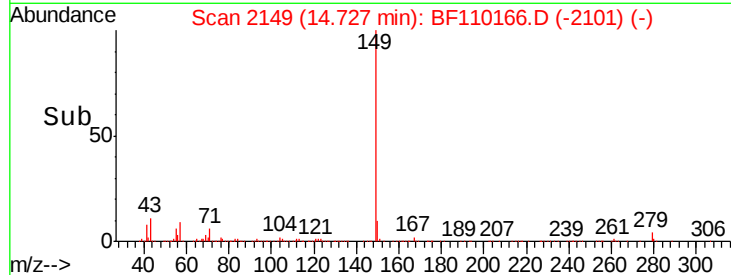
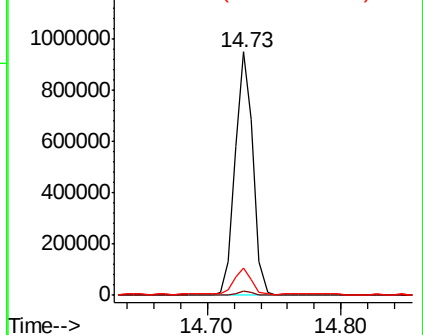
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 886150 |       |       |
| 167     | 1.6  |       | 1.1    | 1.7   |       |
| 43      | 10.3 |       | 7.8    | 11.8  |       |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.599 ng

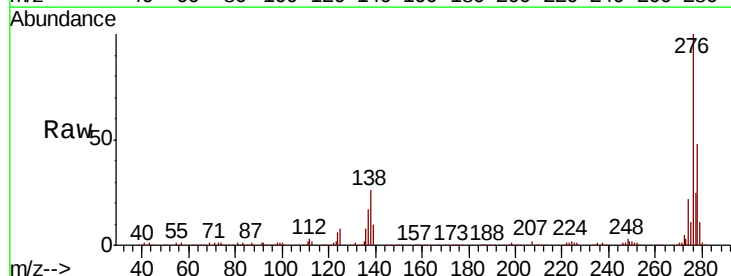
RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

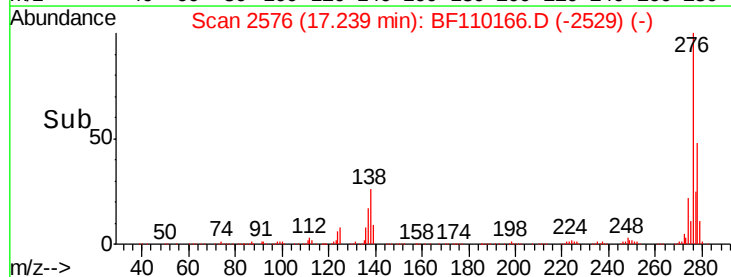
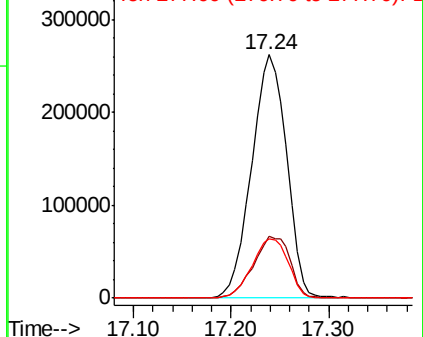
Lab File: BF110166.D

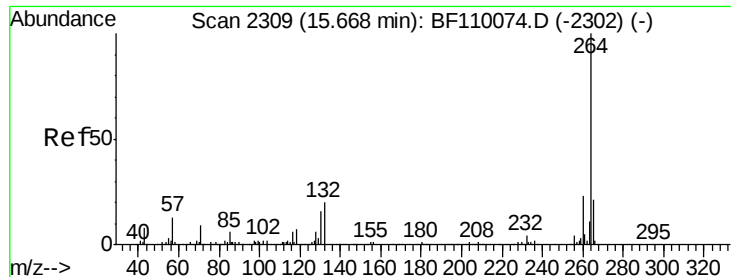
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 276     | 100  |       | 659439 |       |       |
| 138     | 26.9 |       | 18.5   | 27.7  |       |
| 277     | 25.5 |       | 20.0   | 30.0  |       |



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: 15.67 min Scan# 2310

Delta R.T. -0.02 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

Instrument :

BNA\_F

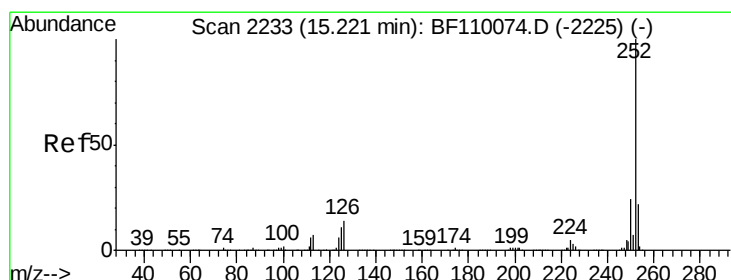
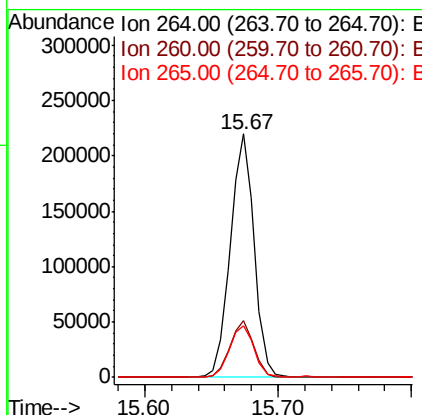
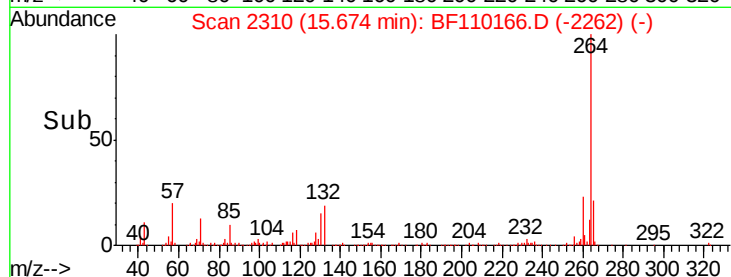
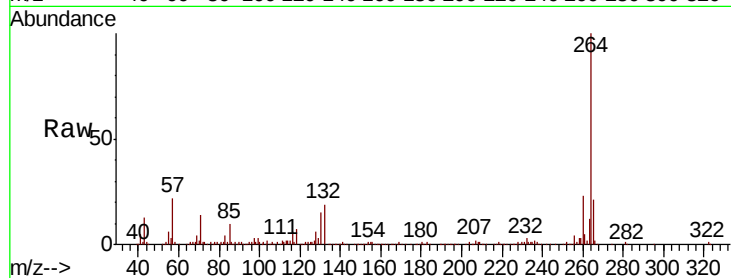
ClientSampleId :

HP-GRID-BMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 275136 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.1 | 18.7  | 28.1   |
| 265       | 21.0 | 16.7  | 25.1   |

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#88

Benzo(b)fluoranthene

Concen: 46.975 ng

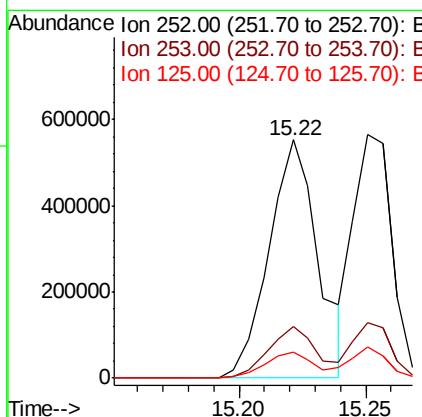
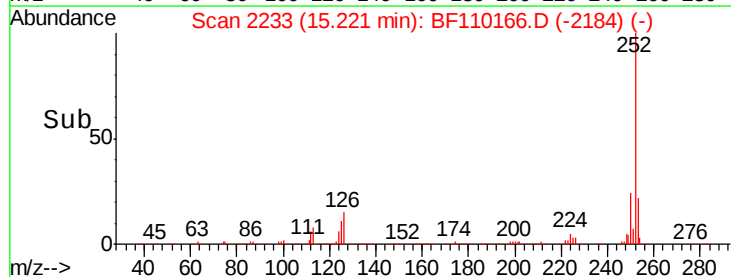
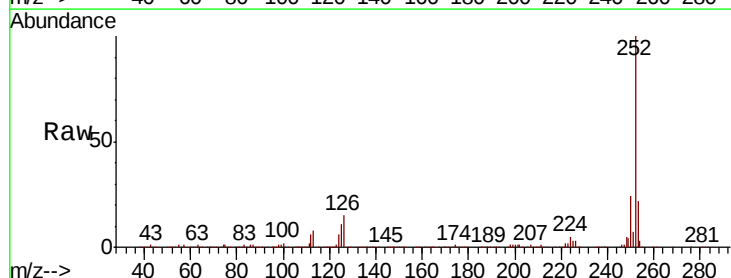
RT: 15.22 min Scan# 2233

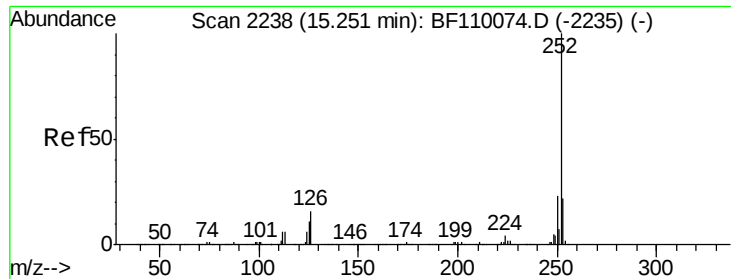
Delta R.T. -0.01 min

Lab File: BF110166.D

Acq: 25 Oct 2018 17:54

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 746342 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 21.5 | 17.2  | 25.8   |
| 125       | 10.9 | 8.2   | 12.4   |





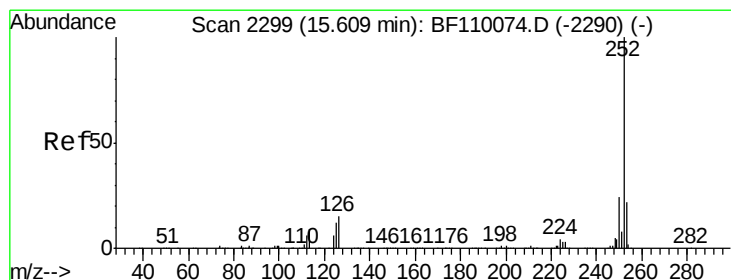
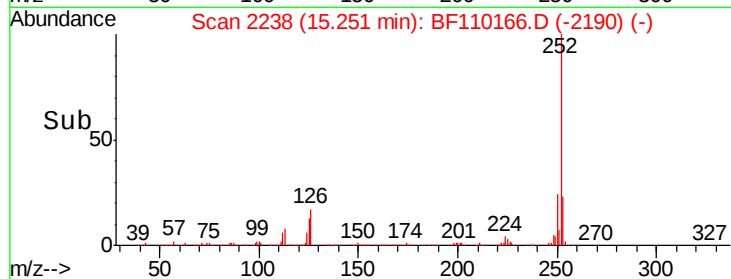
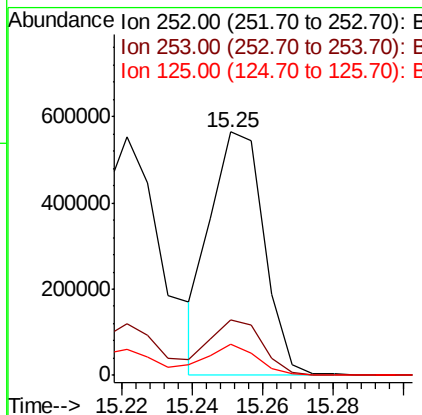
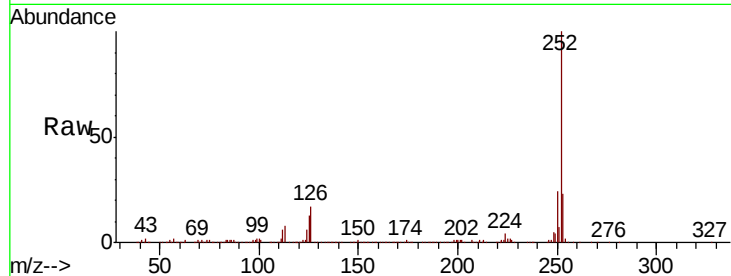
#89  
Benzo(k)fluoranthene  
Concen: 38.209 ng m  
RT: 15.25 min Scan# 2238  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.2  | 25.8  |
| 125     | 12.7  | 7.4   | 11.0  |

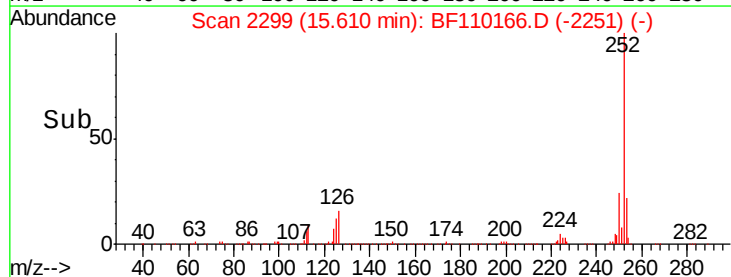
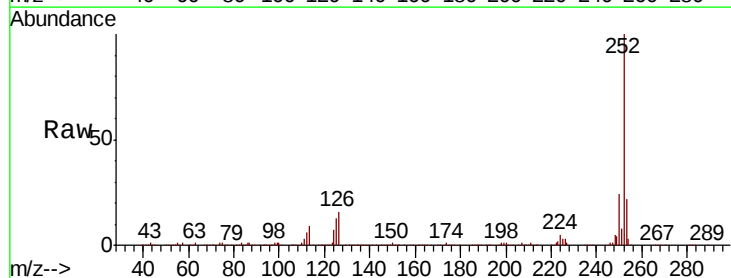
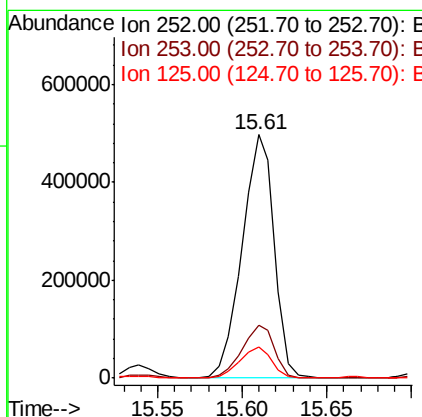
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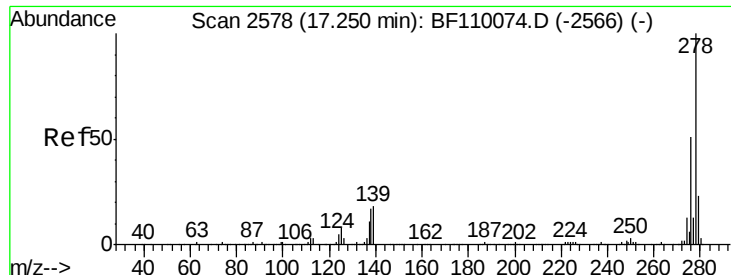
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#90  
Benzo(a)pyrene  
Concen: 44.786 ng  
RT: 15.61 min Scan# 2299  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.2  | 27.4  |
| 125     | 12.7  | 9.0   | 13.6  |





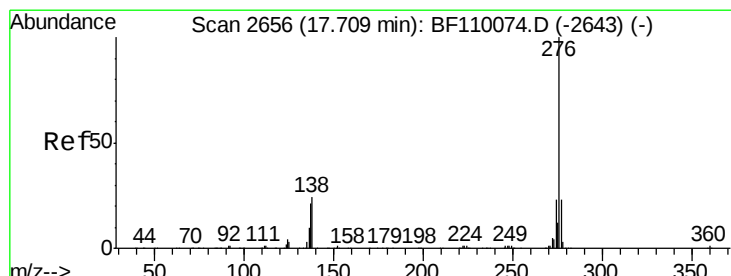
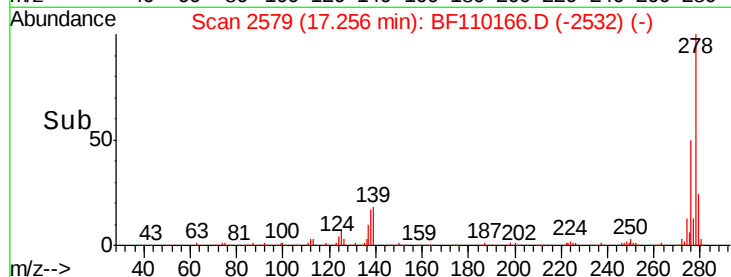
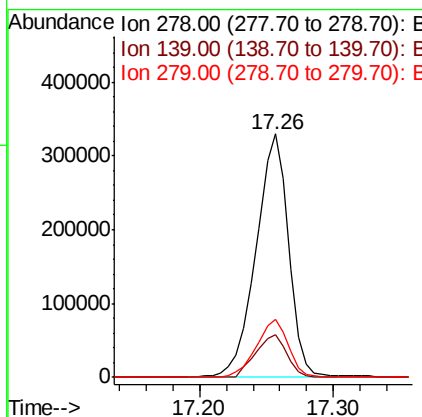
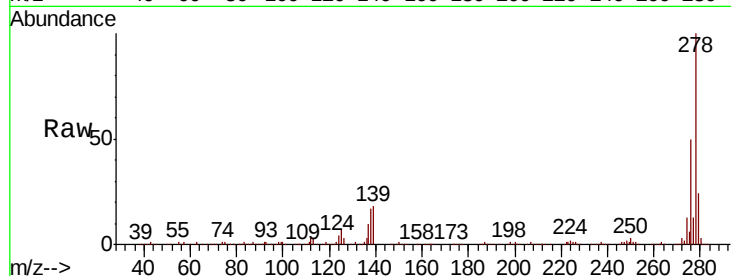
#91  
Dibenzo(a,h)anthracene  
Concen: 43.755 ng  
RT: 17.26 min Scan# 2579  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

Instrument :  
BNA\_F  
ClientSampleId :  
HP-GRID-BMS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:278 | Resp: | 551954    |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 17.5  | 12.7 19.1 |
| 279         | 23.6  | 19.0 28.4 |

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#92  
Benzo(g,h,i)perylene  
Concen: 41.459 ng  
RT: 17.72 min Scan# 2657  
Delta R.T. -0.02 min  
Lab File: BF110166.D  
Acq: 25 Oct 2018 17:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:276 | Resp: | 515361     |
| Ion Ratio   | Lower | Upper      |
| 276         | 100   |            |
| 277         | 23.2  | 18.8 28.2  |
| 138         | 24.6  | 16.0 24.0# |

