

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\  
 Data File : BF104529.D  
 Acq On : 16 Apr 2018 12:59  
 Operator : JU/SJ  
 Sample : PB108229BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

Manual Integrations  
 APPROVED

Sohil  
 4/17/2018 10:08:47 AM

Quant Time: Apr 16 13:50:22 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 16 12:15:25 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 138305   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 629190   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.86  | 164  | 278673   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 427821   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 266113   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 221047   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.44  | 112 | 819145  | 90.56 | ng | 0.02 |
| 7) Phenol-d6             | 6.46  | 99  | 961386  | 86.51 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 852456  | 88.47 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 248080  | 85.82 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.17  | 172 | 1416064 | 80.27 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 1049130 | 89.88 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 188780  | 44.791 | ng | 89     |
| 3) Pyridine                    | 3.36 | 79  | 513907  | 43.369 | ng | 86     |
| 4) n-Nitrosodimethylamine      | 3.33 | 42  | 193695  | 46.761 | ng | 80     |
| 6) Aniline                     | 6.47 | 93  | 415933  | 26.938 | ng | # 89   |
| 8) 2-Chlorophenol              | 6.60 | 128 | 431267  | 45.174 | ng | 92     |
| 9) Benzaldehyde                | 6.36 | 77  | 24672   | 2.104  | ng | 94     |
| 10) Phenol                     | 6.47 | 94  | 501185  | 42.503 | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 408850  | 43.449 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 453069  | 41.891 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 477126  | 44.255 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 6.98 | 146 | 476506  | 47.694 | ng | 99     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 395946  | 46.907 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 606457  | 47.990 | ng | 85     |
| 17) 2-Methylphenol             | 7.07 | 107 | 405878  | 48.909 | ng | 94     |
| 18) Hexachloroethane           | 7.32 | 117 | 179496  | 46.696 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 317075  | 43.661 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 455401  | 44.247 | ng | # 76   |
| 22) Acetophenone               | 7.22 | 105 | 623838  | 40.273 | ng | 97     |
| 24) Nitrobenzene               | 7.40 | 77  | 504720  | 47.443 | ng | 98     |
| 25) Isophorone                 | 7.63 | 82  | 945411  | 46.398 | ng | 98     |
| 26) 2-Nitrophenol              | 7.71 | 139 | 245884  | 56.774 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122 | 442707  | 49.230 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 604599  | 48.531 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 399195  | 46.525 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 407972  | 43.325 | ng | 98     |
| 31) Naphthalene                | 8.12 | 128 | 1360286 | 43.418 | ng | 100    |
| 32) Benzoic acid               | 7.89 | 122 | 294620  | 41.062 | ng | 97     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 378237  | 28.180 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.23 | 225 | 220545  | 42.760 | ng | 98     |
| 35) Caprolactam                | 8.55 | 113 | 132289m | 44.196 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 424394  | 46.128 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 886211  | 43.729 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 371511  | 46.572 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.96 | 237 | 203210  | 45.502 | ng | 98     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

Manual Integrations  
 APPROVED

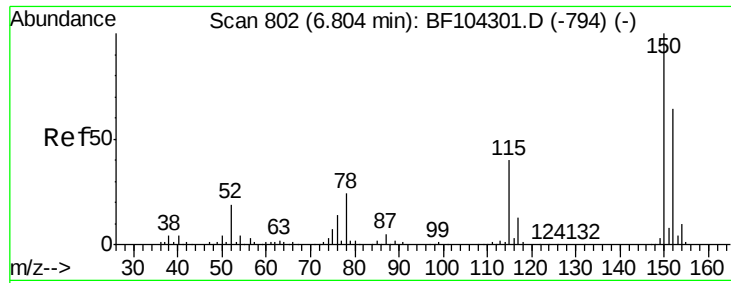
Sohil  
 4/17/2018 10:08:47 AM

Quant Time: Apr 16 13:50:22 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 16 12:15:25 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.09  | 196  | 260693   | 47.076 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.14  | 196  | 265474   | 42.840 | nq    | 98       |
| 45) 1,1'-Biphenyl              | 9.27  | 154  | 1025670  | 43.812 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.30  | 162  | 802712   | 43.410 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.40  | 65   | 261600   | 57.207 | nq    | 97       |
| 48) Acenaphthylene             | 9.72  | 152  | 1210016  | 41.707 | nq    | 100      |
| 49) Dimethylphthalate          | 9.58  | 163  | 993158   | 45.194 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.65  | 165  | 210623   | 51.797 | nq    | 90       |
| 51) Acenaphthene               | 9.89  | 154  | 707406   | 39.963 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.81  | 138  | 191866   | 40.304 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 48028    | 39.040 | nq    | # 23     |
| 54) Dibenzofuran               | 10.06 | 168  | 1048927  | 42.521 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.99  | 139  | 324671   | 86.822 | nq    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 259438   | 48.640 | nq    | 90       |
| 57) Fluorene                   | 10.40 | 166  | 772185   | 43.005 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232  | 201781   | 43.646 | nq    | 96       |
| 59) Diethylphthalate           | 10.28 | 149  | 924678   | 42.249 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204  | 367513   | 45.959 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.43 | 138  | 213993   | 45.974 | nq    | 97       |
| 62) Azobenzene                 | 10.56 | 77   | 858823   | 41.073 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 32665    | 20.625 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 10.52 | 169  | 730617   | 49.254 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.89 | 248  | 227234   | 49.934 | nq    | 94       |
| 67) Hexachlorobenzene          | 10.95 | 284  | 233475   | 45.597 | nq    | 96       |
| 68) Atrazine                   | 11.05 | 200  | 222454   | 49.683 | nq    | 99       |
| 69) Pentachlorophenol          | 11.15 | 266  | 210905   | 66.579 | nq    | 96       |
| 70) Phenanthrene               | 11.37 | 178  | 1020155  | 42.819 | nq    | 99       |
| 71) Anthracene                 | 11.42 | 178  | 1046407  | 43.207 | nq    | 100      |
| 72) Carbazole                  | 11.58 | 167  | 937120   | 39.598 | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.90 | 149  | 1286683  | 44.508 | nq    | 99       |
| 74) Fluoranthene               | 12.56 | 202  | 899880   | 36.151 | nq    | 97       |
| 76) Benzidine                  | 12.69 | 184  | 674832   | Below  | Cal   | 98       |
| 77) Pyrene                     | 12.79 | 202  | 879706   | 44.598 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.41 | 149  | 438628   | 47.201 | nq    | 94       |
| 80) Benzo(a)anthracene         | 13.98 | 228  | 741368   | 46.633 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.95 | 252  | 282258   | 47.618 | nq    | 97       |
| 82) Chrysene                   | 14.02 | 228  | 719067   | 44.035 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 593575   | 49.659 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.59 | 149  | 977138   | 48.925 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 540935   | 38.996 | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 15.04 | 252  | 673082   | 48.212 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 616637   | 46.784 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 585871   | 46.901 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.94 | 278  | 454531   | 44.304 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.37 | 276  | 433817   | 43.645 | nq    | 98       |

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





#1

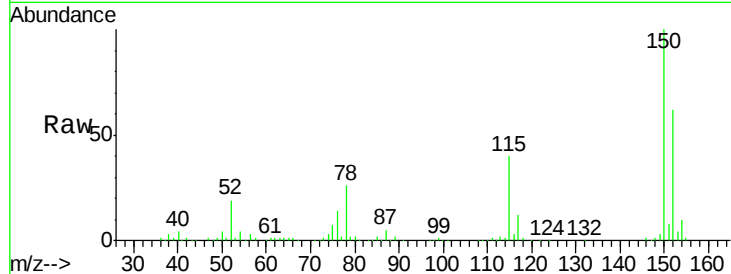
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

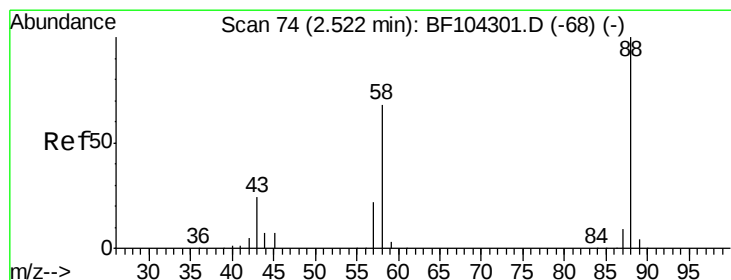
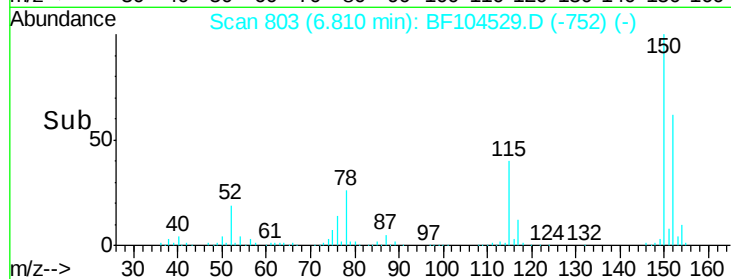
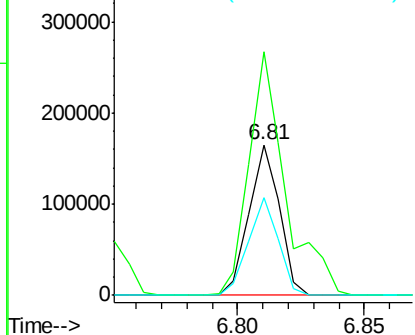
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.7 | 124.6 | 186.8 |
| 115     | 64.8  | 50.1  | 75.1  |

Manual Integrations  
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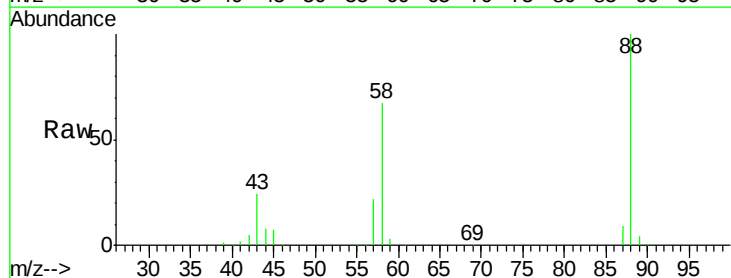
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



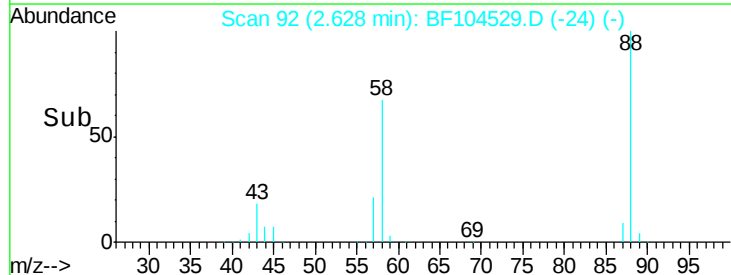
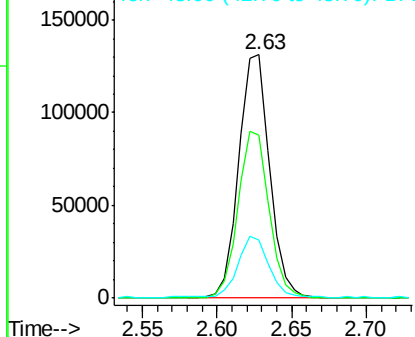
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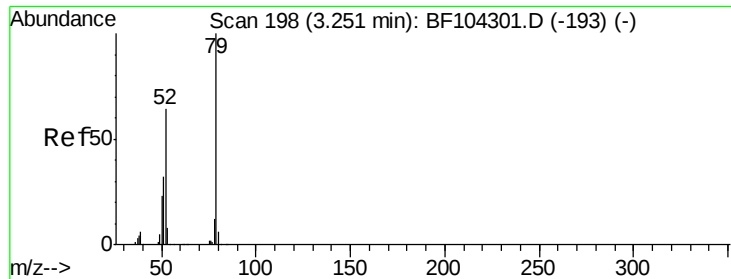
1,4-Dioxane  
Concen: 44.791 ng  
RT: 2.63 min Scan# 92  
Delta R.T. 0.10 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.8  | 62.6  | 93.8  |
| 43      | 24.9  | 24.6  | 37.0  |



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: 43.369 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.09 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

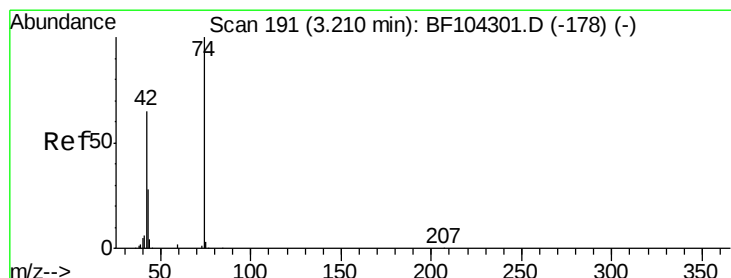
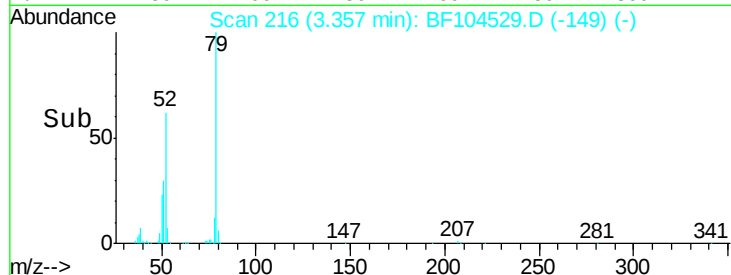
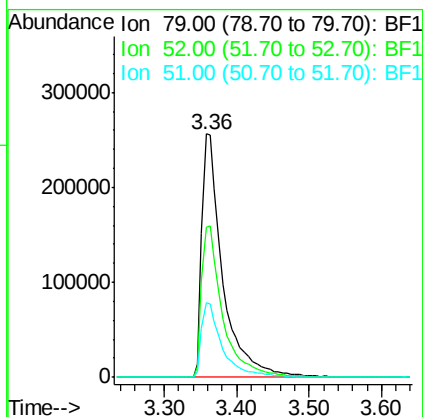
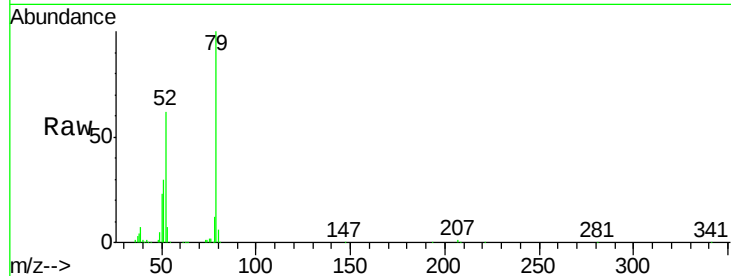
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 513907 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 61.8  | 59.8  | 89.6   |
| 51        | 30.4  | 29.8  | 44.8   |

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#4

n-Nitrosodimethylamine

Concen: 46.761 ng

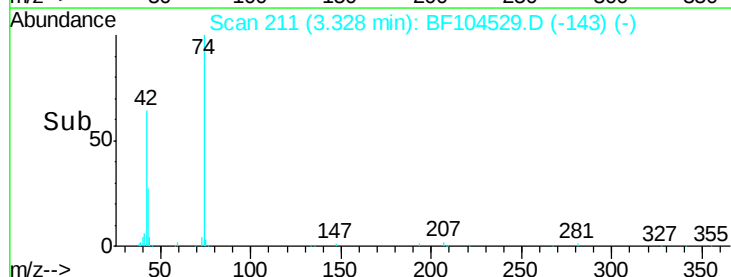
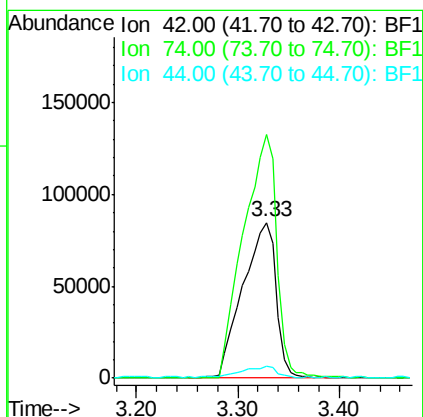
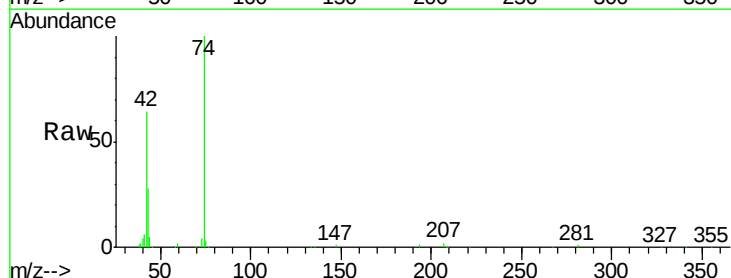
RT: 3.33 min Scan# 211

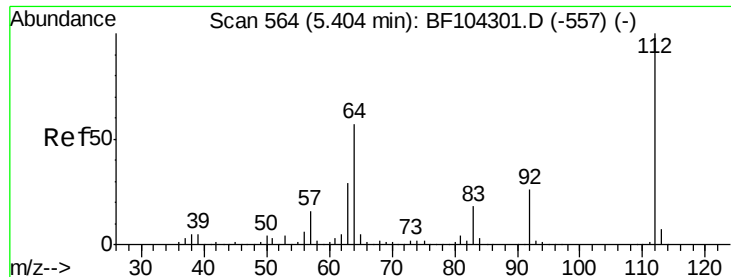
Delta R.T. 0.10 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 193695 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 156.4 | 104.9 | 157.3  |
| 44        | 7.5   | 6.9   | 10.3   |





#5

2-Fluorophenol

Concen: 90.562 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

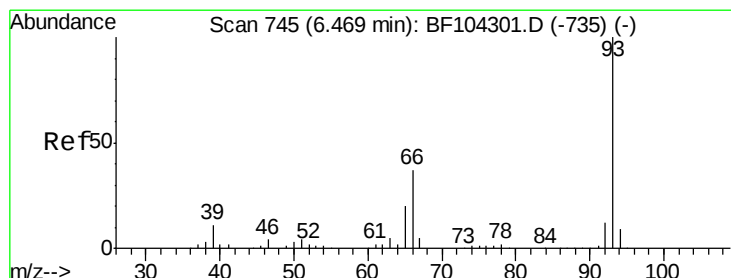
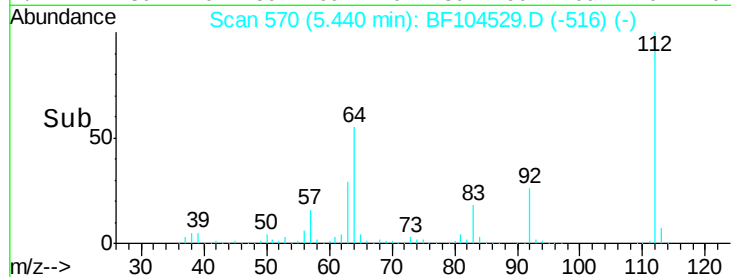
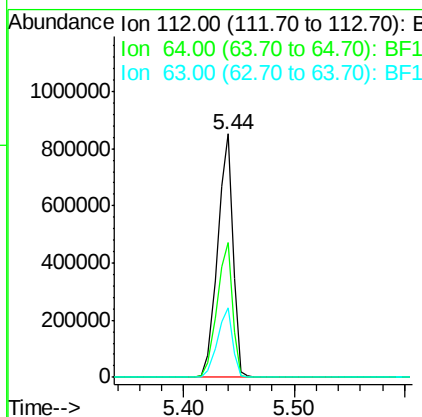
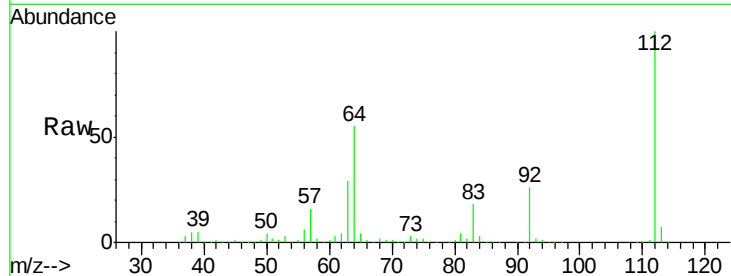
ClientSampleId :

PB108229BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 112  | Resp: | 819145 |
| Ion Ratio |      | Lower | Upper  |
| 112       | 100  |       |        |
| 64        | 55.5 | 47.9  | 71.9   |
| 63        | 28.5 | 23.7  | 35.5   |

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#6

Aniline

Concen: 26.938 ng

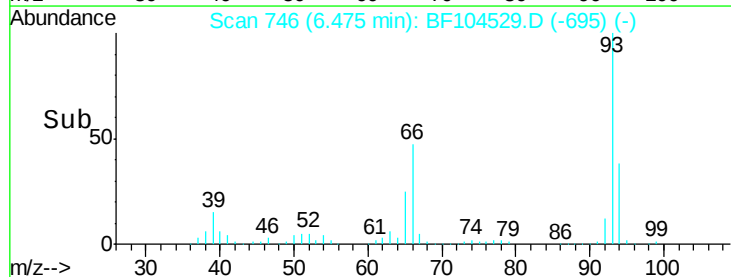
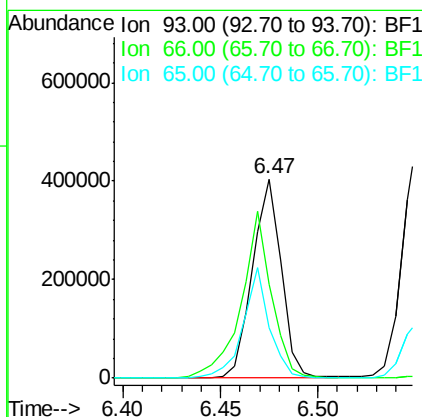
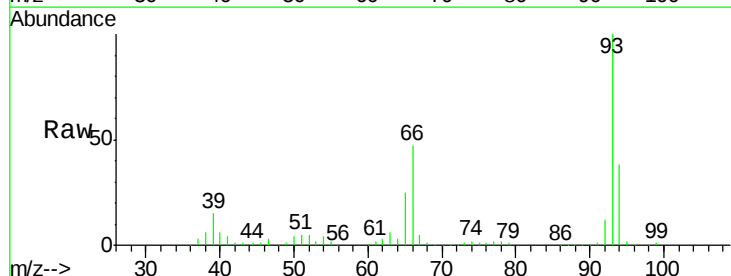
RT: 6.47 min Scan# 746

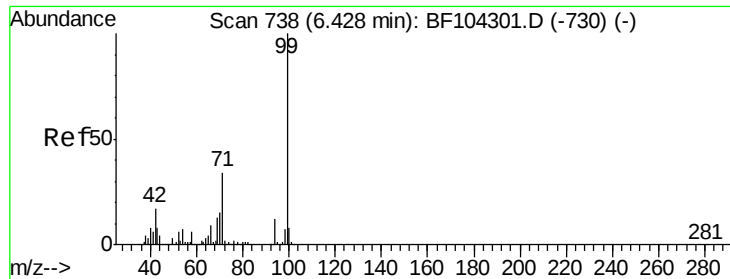
Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 93   | Resp: | 415933 |
| Ion Ratio |      | Lower | Upper  |
| 93        | 100  |       |        |
| 66        | 46.8 | 32.2  | 48.2   |
| 65        | 25.3 | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 86.506 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

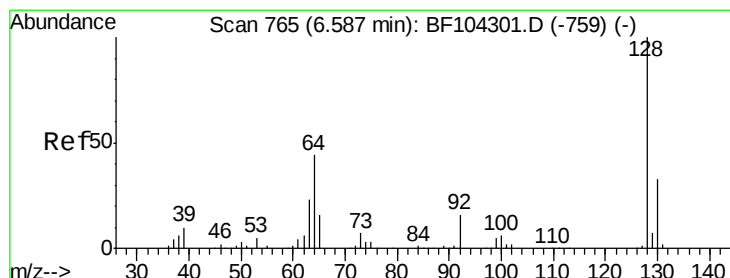
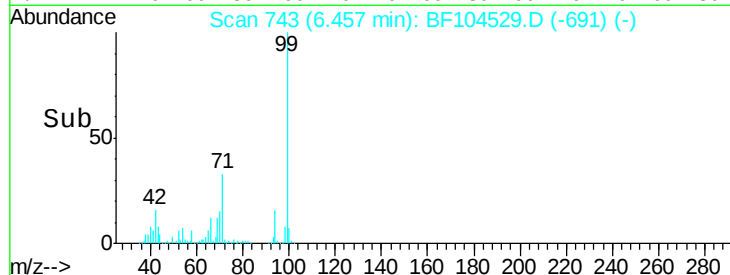
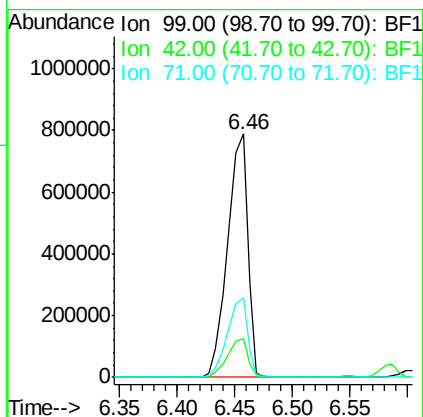
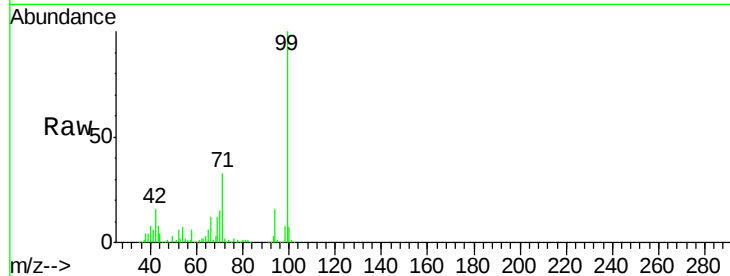
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 961386 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.1  | 14.5  | 21.7   |
| 71        | 32.8  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 45.174 ng

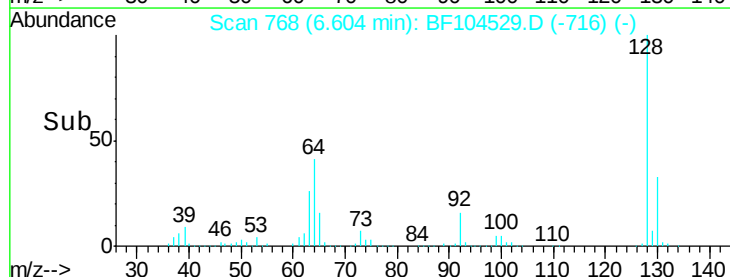
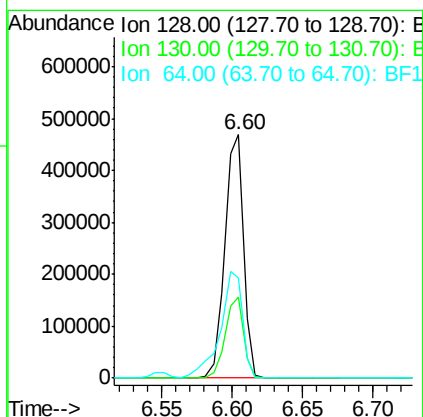
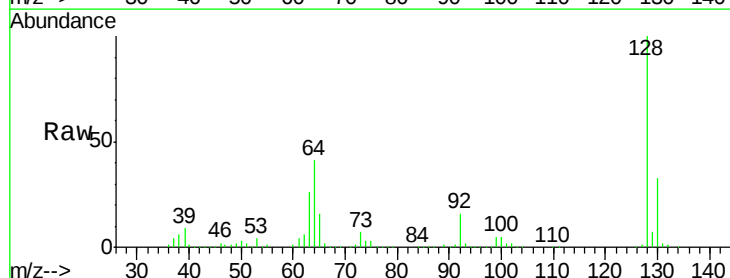
RT: 6.60 min Scan# 768

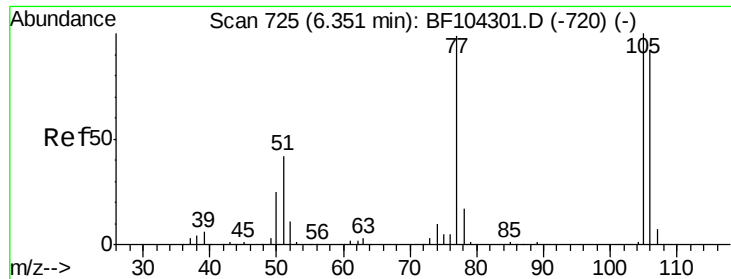
Delta R.T. 0.01 min

Lab File: BF104529.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 431267 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.4  | 13.0  | 53.0   |
| 64        | 41.1  | 29.4  | 69.4   |





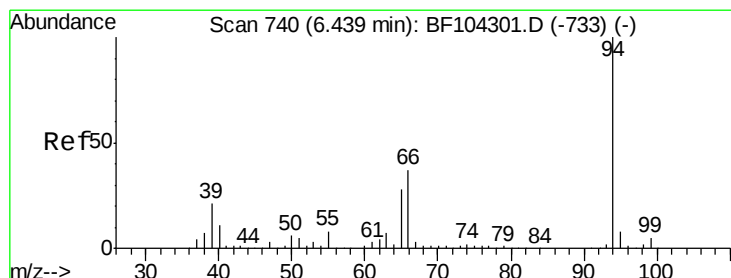
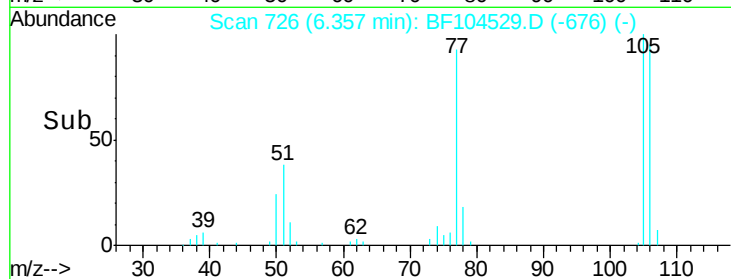
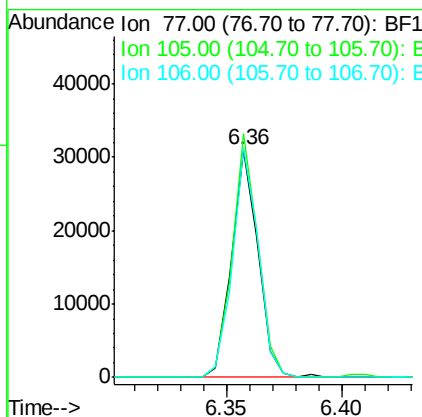
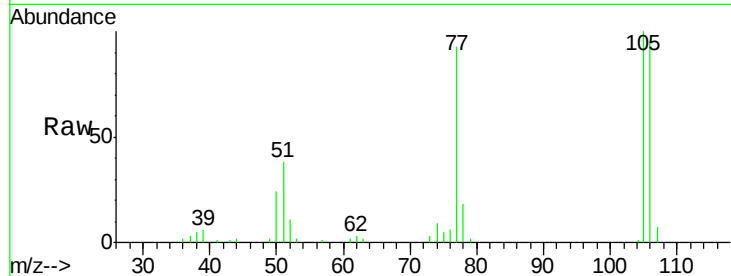
#9  
Benzaldehyde  
Concen: 2.104 ng  
RT: 6.36 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

Tot Ion: 77 Resp: 24672  
Ion Ratio Lower Upper  
77 100  
105 107.0 81.1 121.1  
106 101.1 74.5 114.5

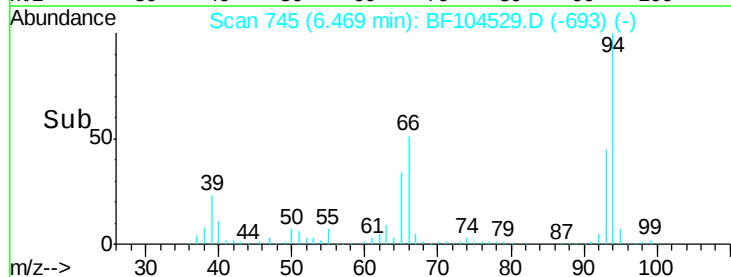
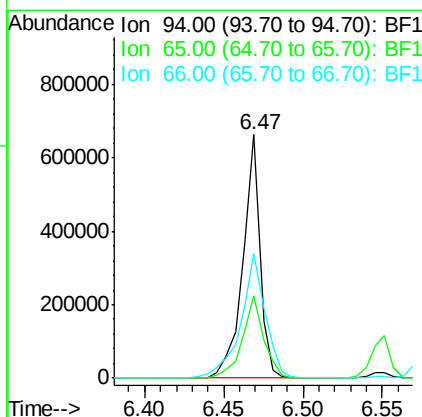
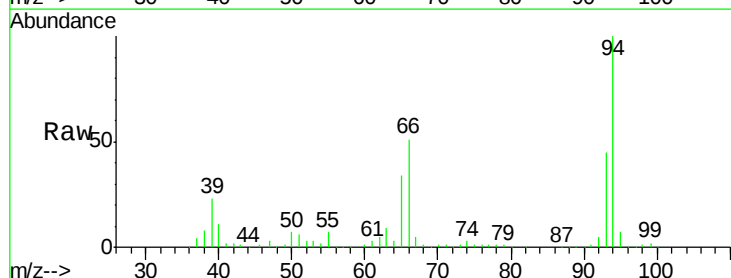
Manual Integrations  
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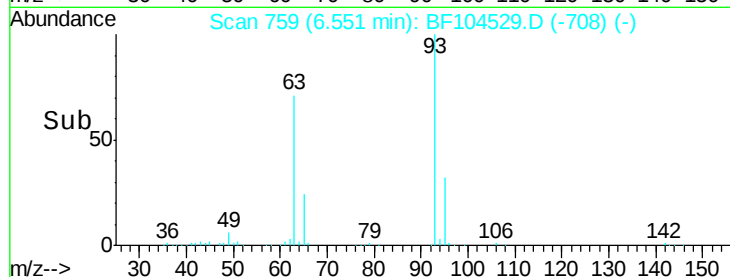
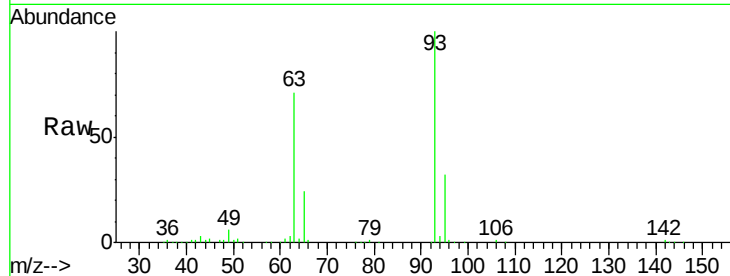
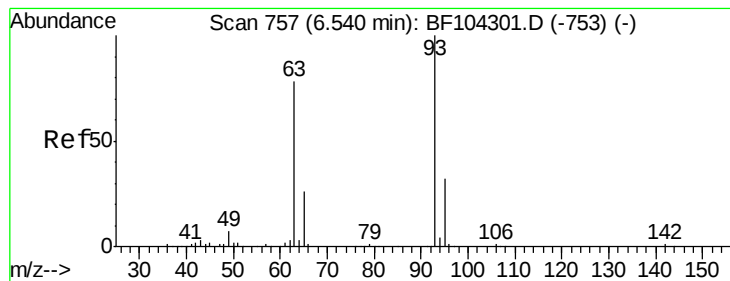
Sohil  
4/17/2018 10:08:47 AM



#10  
Phenol  
Concen: 42.503 ng  
RT: 6.47 min Scan# 745  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Tgt Ion: 94 Resp: 501185  
Ion Ratio Lower Upper  
94 100  
65 33.9 7.9 47.9  
66 50.9 16.2 56.2





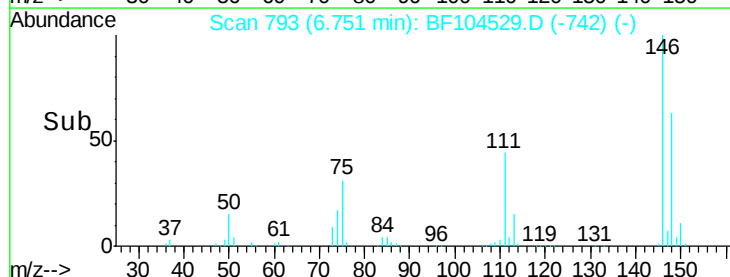
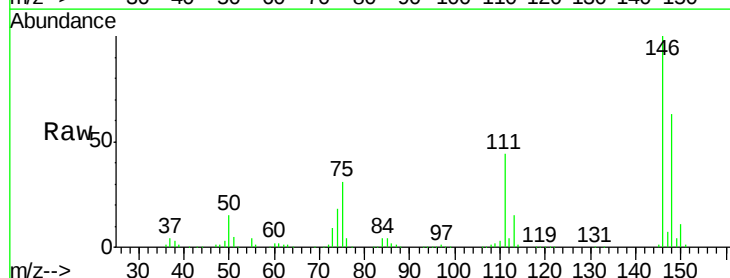
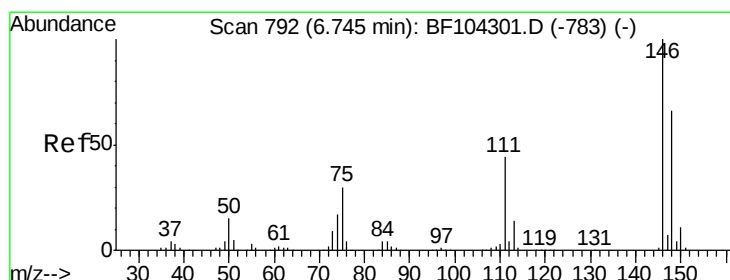
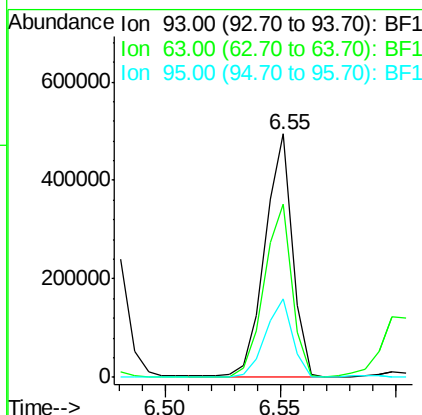
#11  
bis(2-Chloroethyl)ether  
Concen: 43.449 ng  
RT: 6.55 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 408850 |       |       |
| 63      | 71.2  | 58.6   | 98.6  |       |
| 95      | 32.4  | 11.8   | 51.8  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

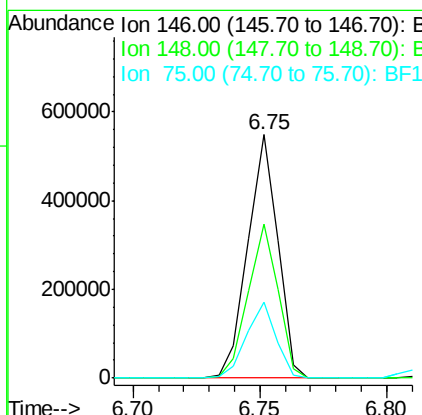
Manual Integrations  
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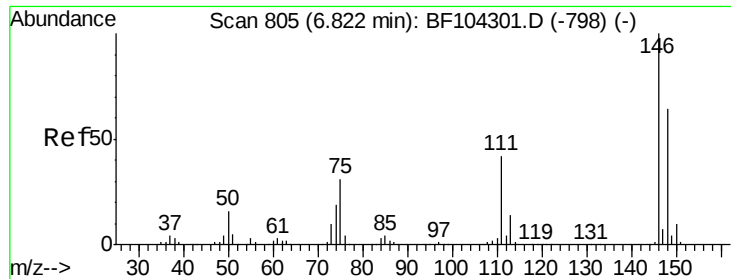
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#12  
1,3-Dichlorobenzene  
Concen: 41.891 ng  
RT: 6.75 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 453069 |       |       |
| 148     | 63.3  | 51.8   | 77.8  |       |
| 75      | 31.1  | 24.2   | 36.4  |       |





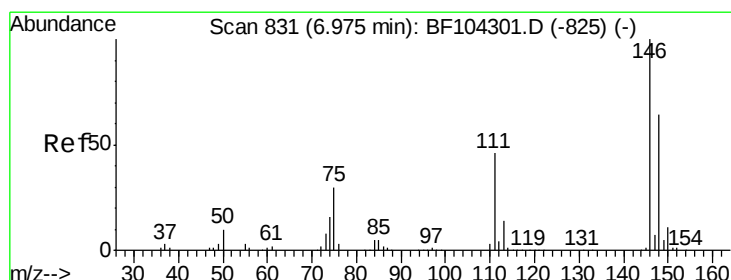
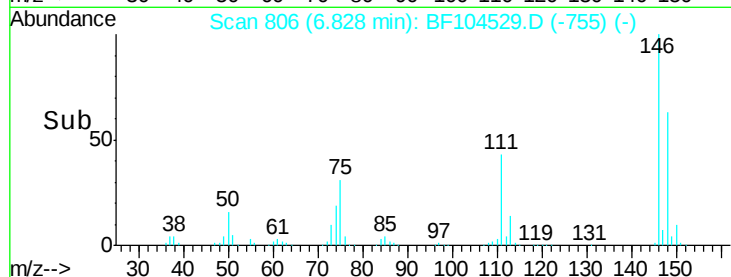
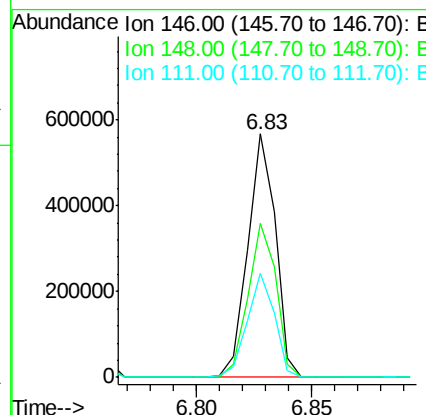
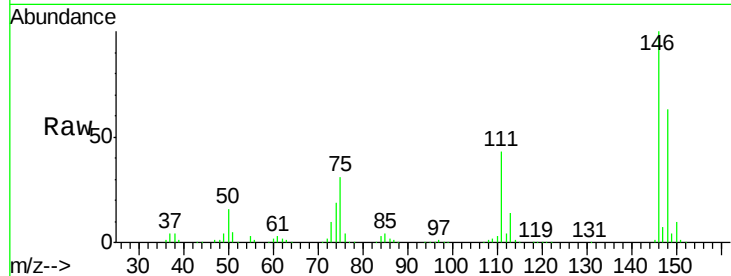
#13  
 1,4-Dichlorobenzene  
 Concen: 44.255 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.4  | 50.8  | 76.2  |
| 111     | 42.8  | 34.2  | 51.2  |

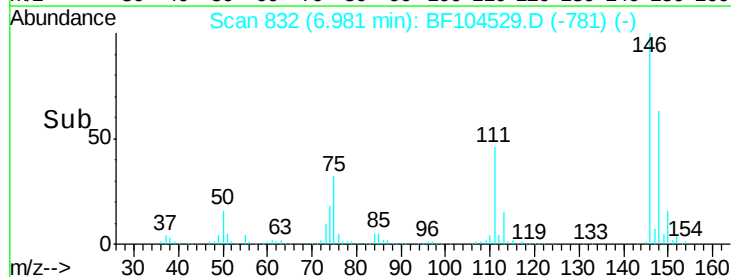
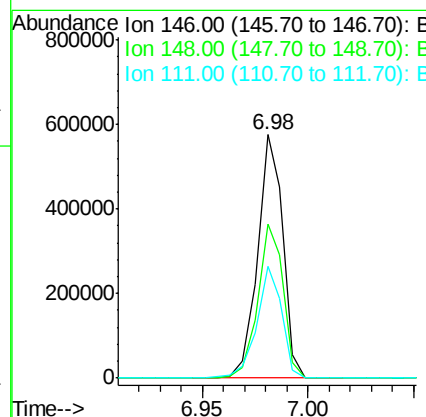
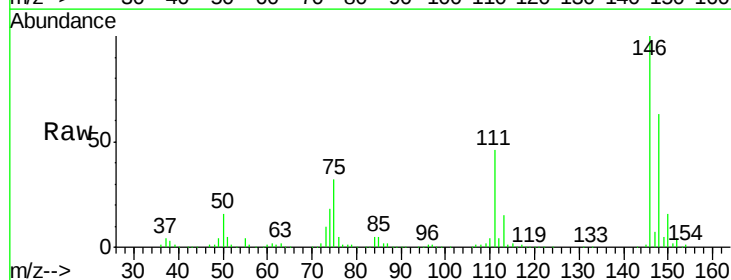
Manual Integrations  
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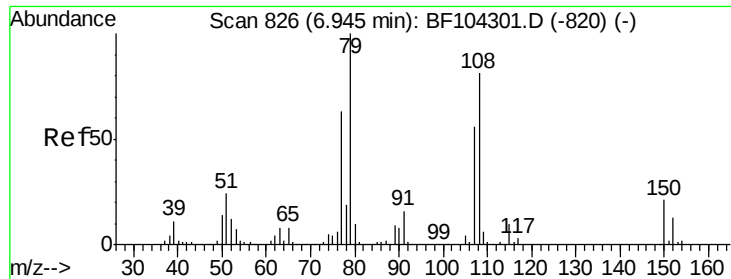
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#14  
 1,2-Dichlorobenzene  
 Concen: 47.694 ng  
 RT: 6.98 min Scan# 832  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.0  | 50.6  | 75.8  |
| 111     | 45.9  | 36.0  | 54.0  |





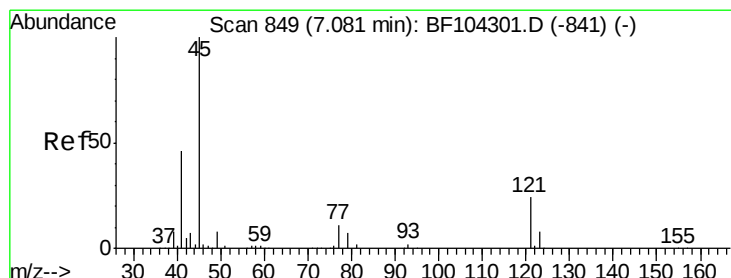
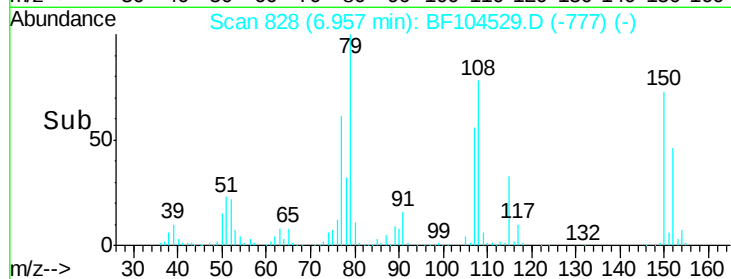
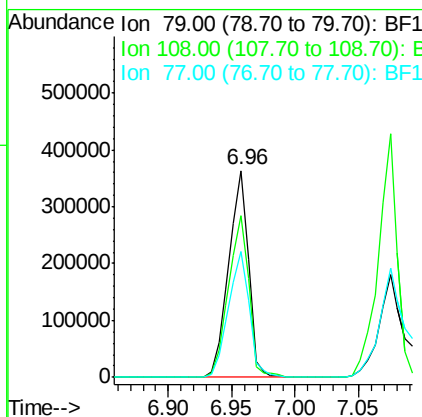
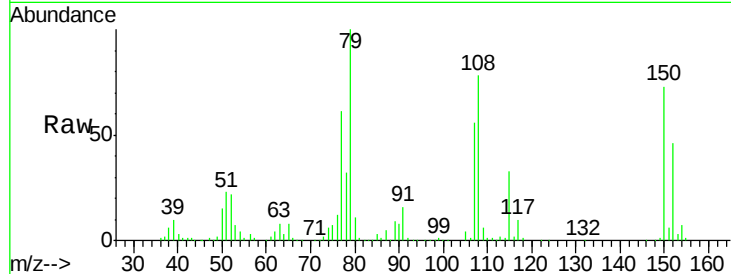
#15  
Benzyl Alcohol  
Concen: 46.907 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 79      | 100   |      |       |       |
| 108     | 78.0  | 65.1 | 97.7  |       |
| 77      | 61.1  | 50.6 | 75.8  |       |

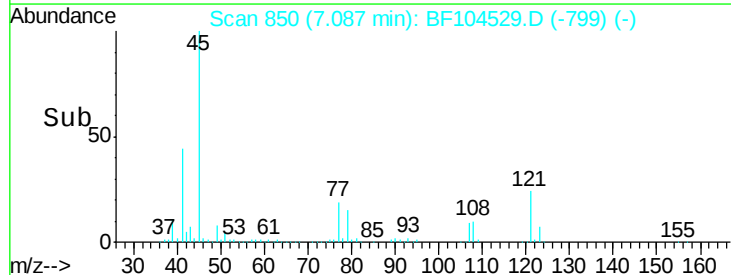
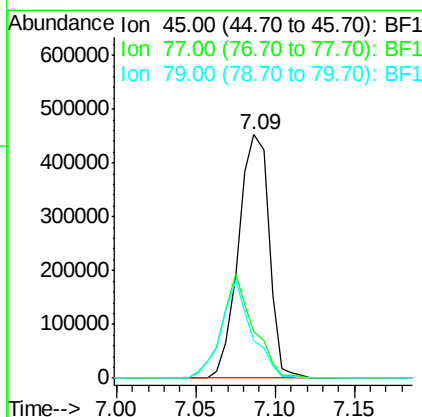
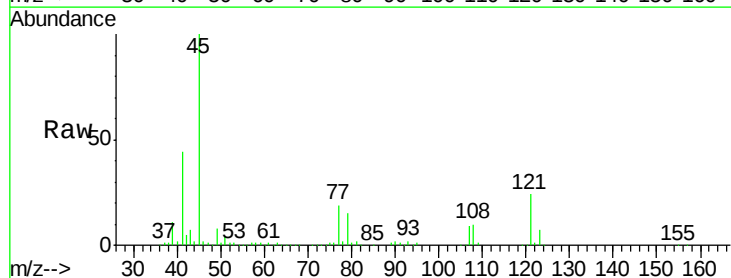
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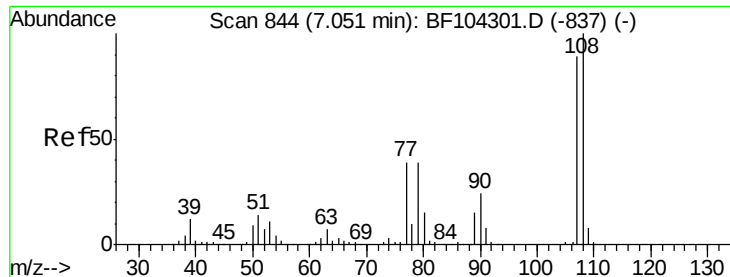
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.990 ng  
RT: 7.09 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 45      | 100   |      |       |       |
| 77      | 18.9  | 0.0  | 32.9  |       |
| 79      | 15.3  | 0.0  | 29.6  |       |





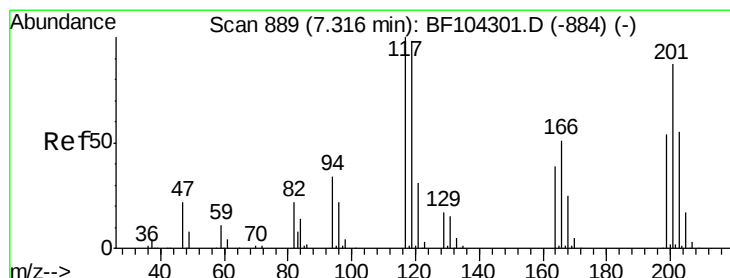
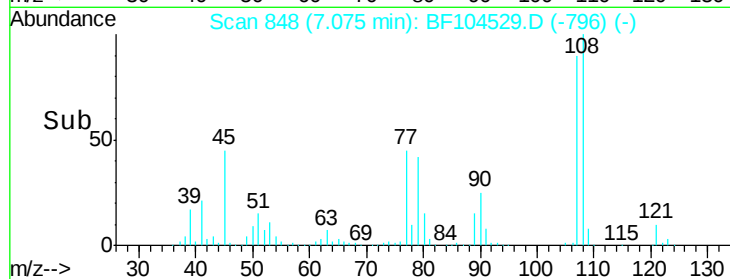
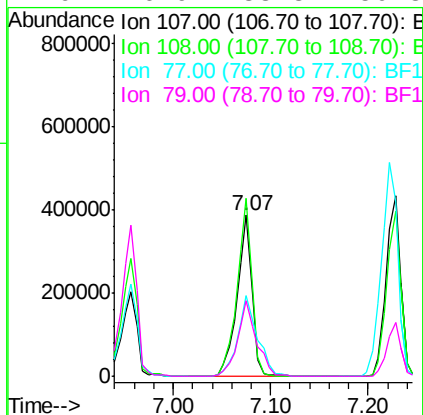
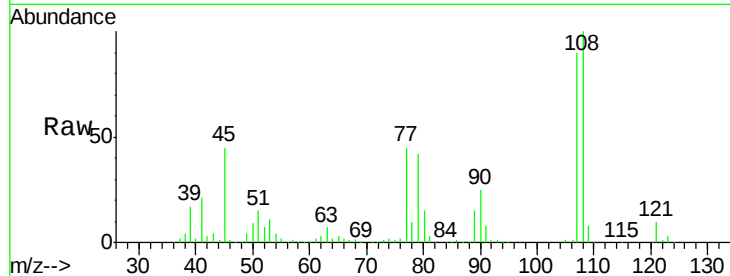
#17  
2-Methylphenol  
Concen: 48.909 ng  
RT: 7.07 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.9 | 91.7 | 137.5 |       |
| 77      | 50.0  | 33.8 | 50.8  |       |
| 79      | 46.9  | 33.8 | 50.8  |       |

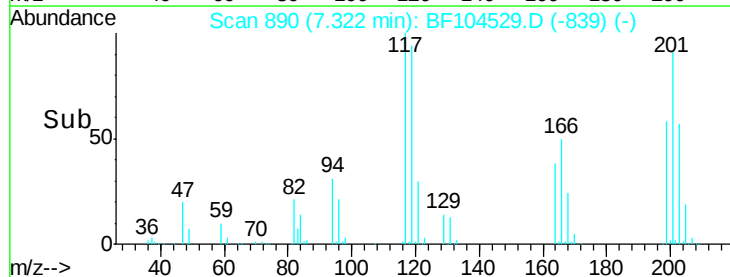
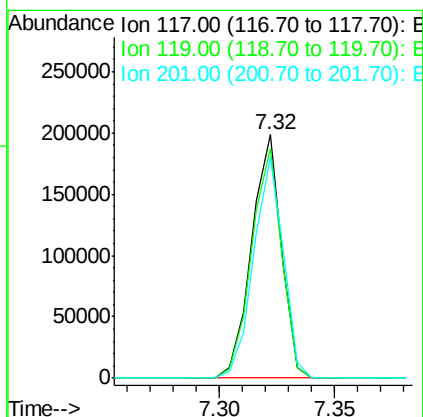
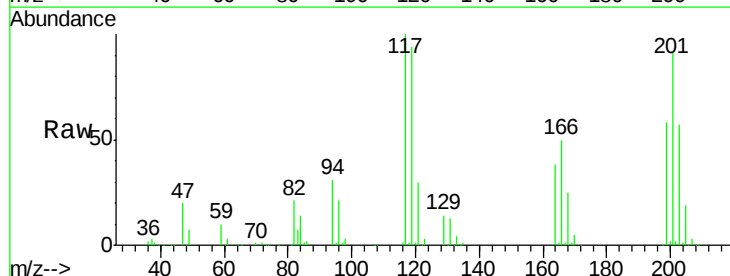
Manual Integrations  
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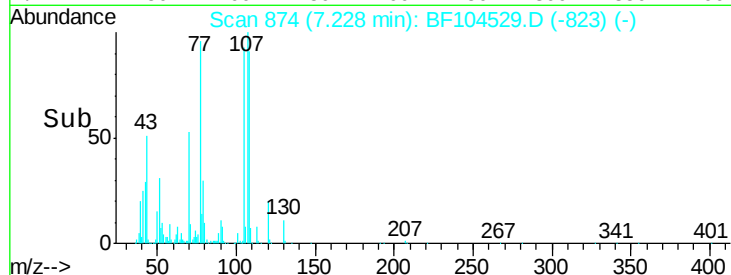
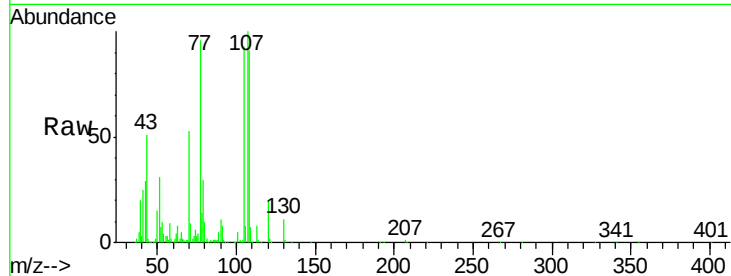
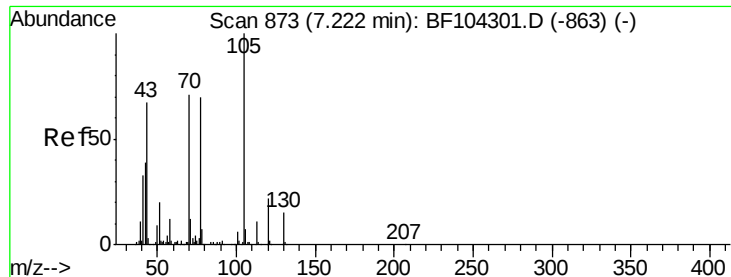
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#18  
Hexachloroethane  
Concen: 46.696 ng  
RT: 7.32 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.2  | 75.8 | 113.8 |       |
| 201     | 90.9  | 75.7 | 113.5 |       |





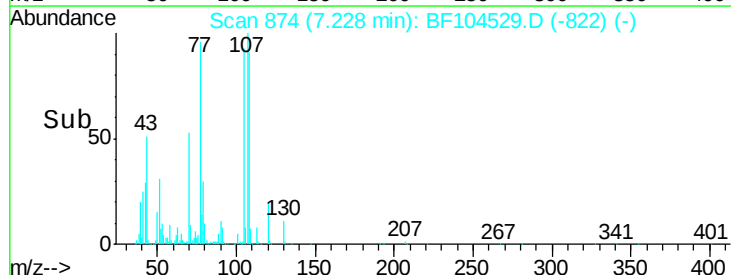
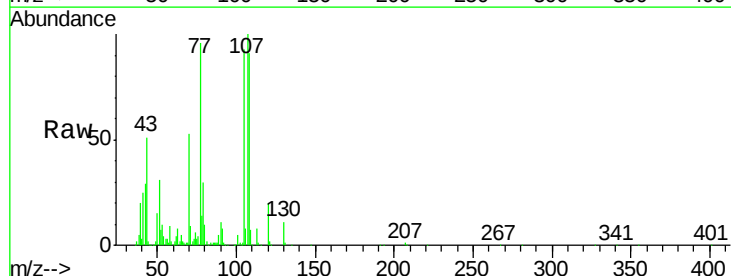
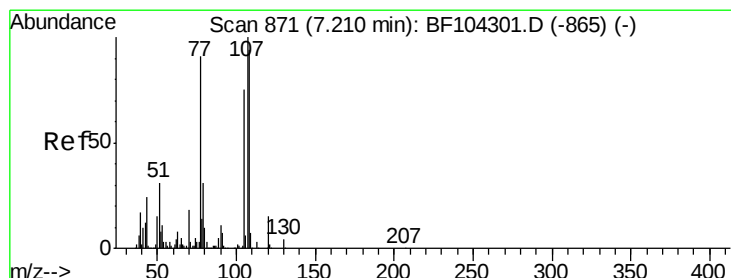
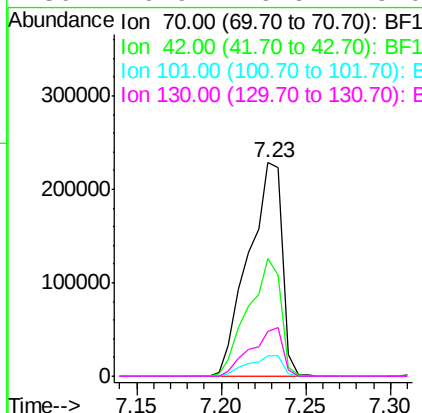
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.661 ng  
RT: 7.23 min Scan# 874  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 55.0  | 47.5  | 71.3  |
| 101     | 9.6   | 7.4   | 11.2  |
| 130     | 20.9  | 16.6  | 25.0  |

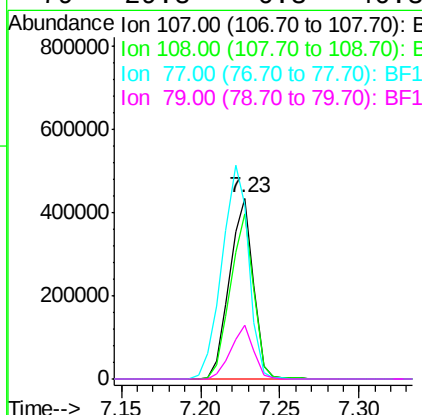
Manual Integrations  
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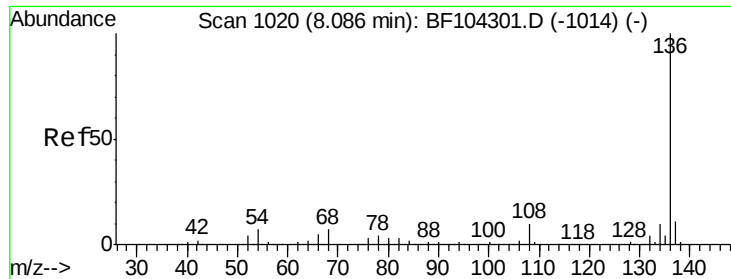
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#20  
3+4-Methylphenols  
Concen: 44.247 ng  
RT: 7.23 min Scan# 874  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.2  | 68.2  | 108.2 |
| 77      | 96.3  | 26.7  | 66.7# |
| 79      | 29.8  | 6.3   | 46.3  |





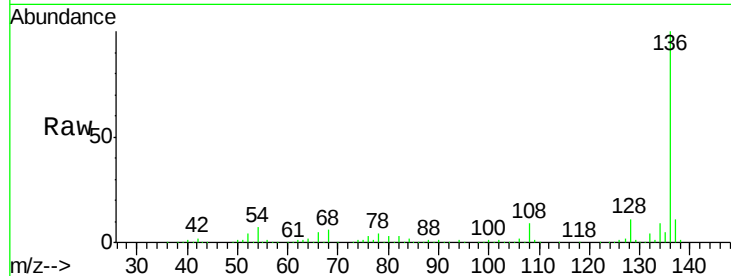
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

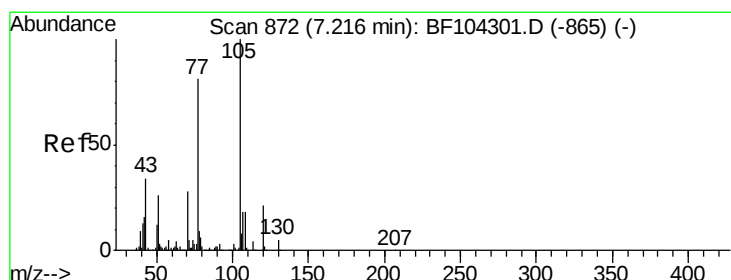
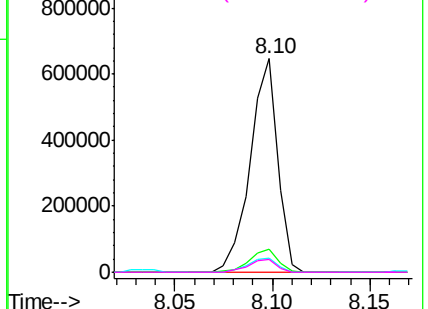
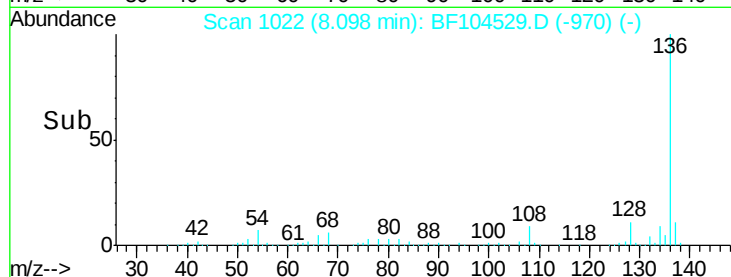
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 629190 |       |       |
| 137     | 10.7  |        | 8.9   | 13.3  |
| 54      | 6.6   |        | 6.6   | 9.8   |
| 68      | 6.1   |        | 5.0   | 7.4   |

Manual Integrations  
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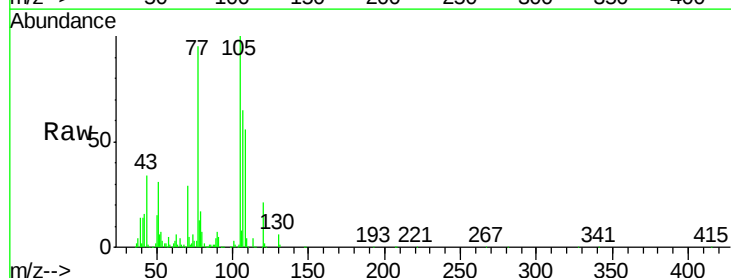


Abundance Ion 136.00 (135.70 to 136.70): E  
1000000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

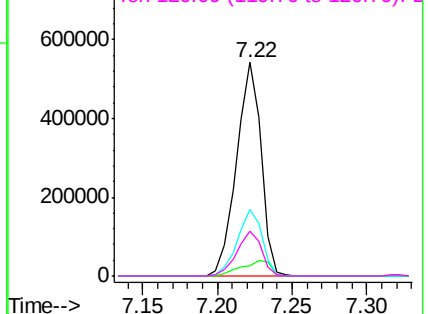
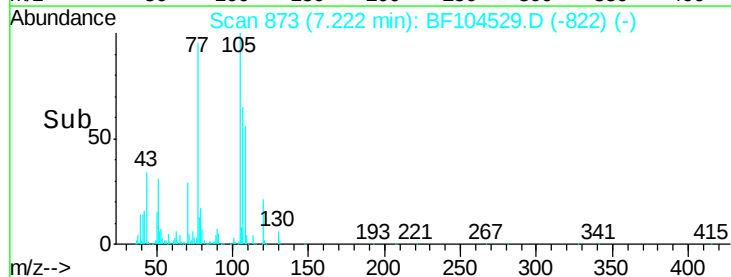


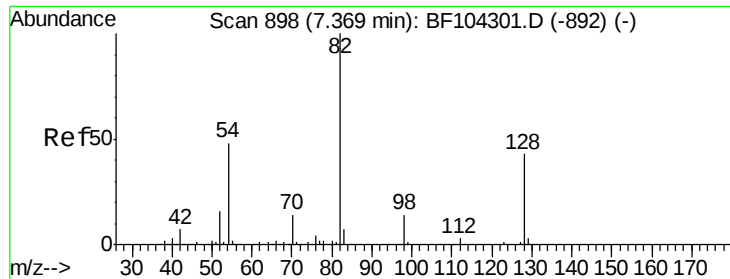
#22  
Acetophenone  
Concen: 40.273 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 623838 |       |       |
| 71      | 4.9   |        | 4.4   | 6.6   |
| 51      | 30.9  |        | 22.3  | 33.5  |
| 120     | 21.0  |        | 16.9  | 25.3  |



Abundance Ion 105.00 (104.70 to 105.70): E  
800000  
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





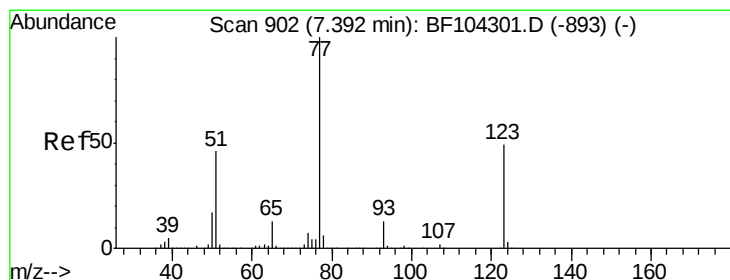
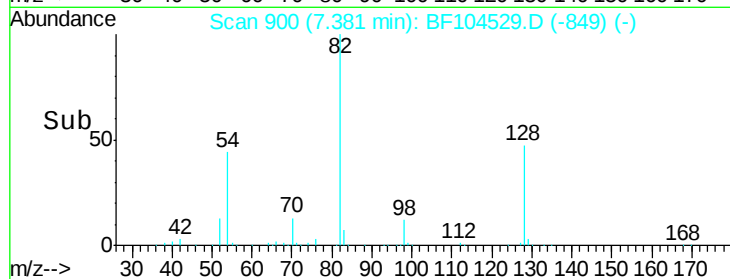
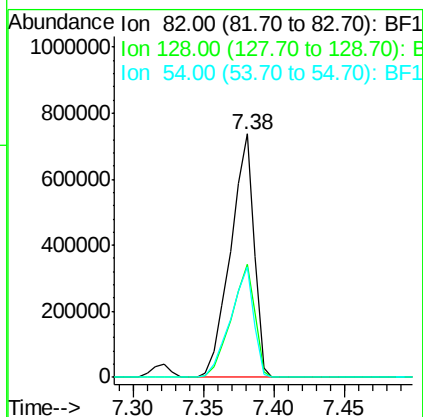
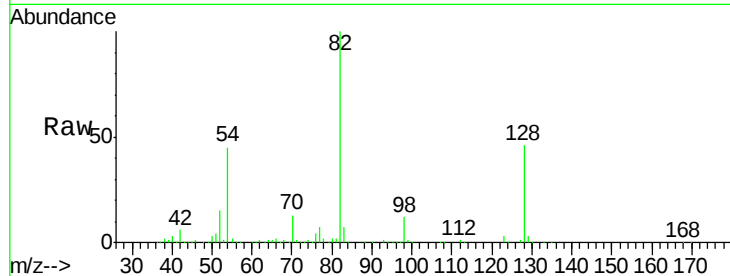
#23  
Nitrobenzene-d5  
Concen: 88.469 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.5  | 36.1  | 54.1  |
| 54      | 45.2  | 41.4  | 62.2  |

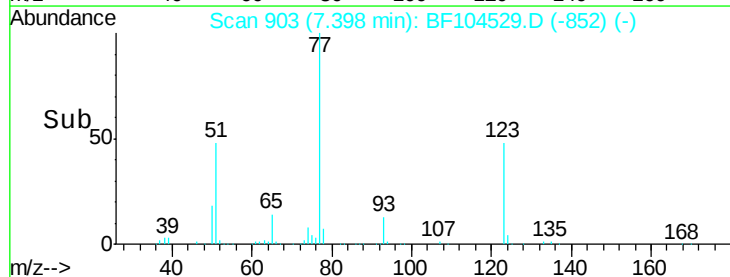
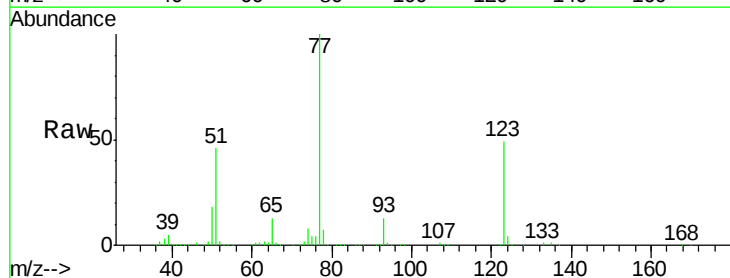
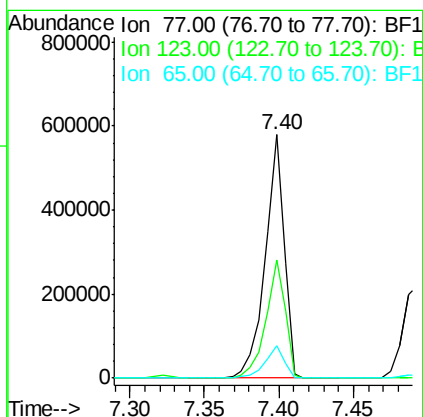
Manual Integrations  
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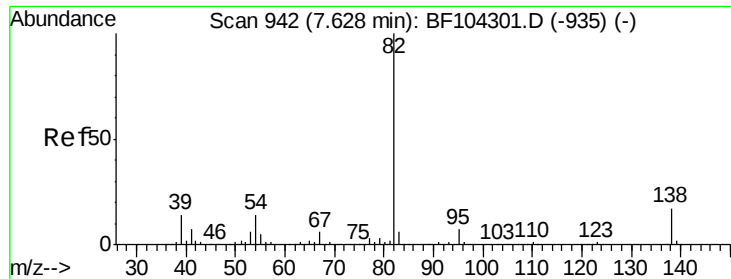
Sohil  
4/17/2018 10:08:47 AM



#24  
Nitrobenzene  
Concen: 47.443 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.6  | 37.9  | 56.9  |
| 65      | 13.3  | 11.0  | 16.4  |





#25

Isophorone

Concen: 46.398 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

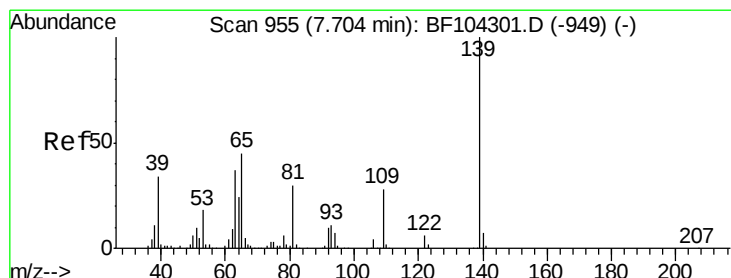
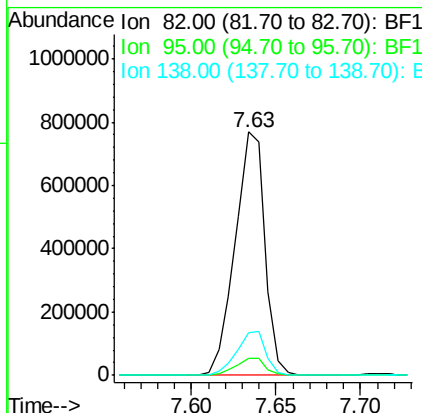
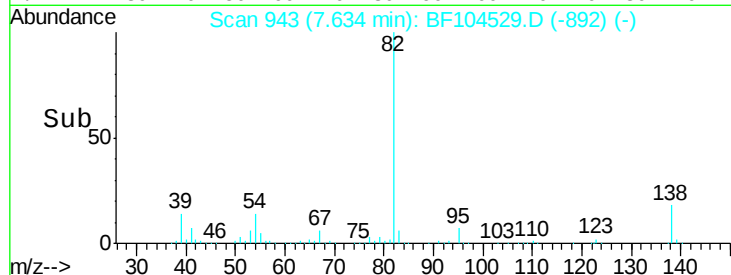
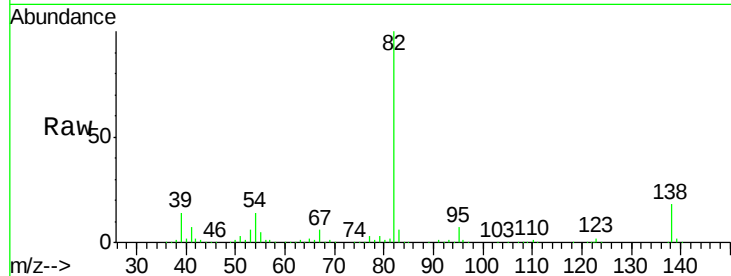
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 945411 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.9   | 5.2   | 7.8    |
| 138       | 17.6  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 56.774 ng

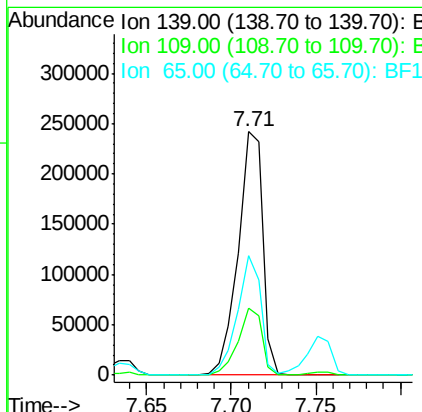
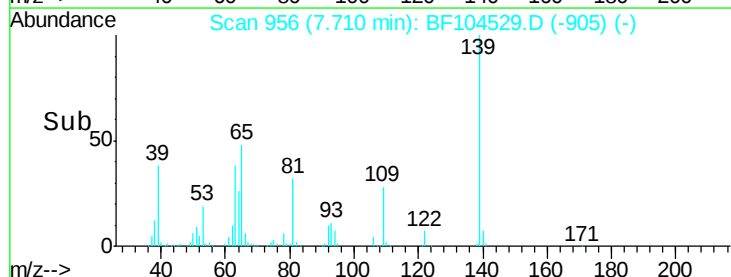
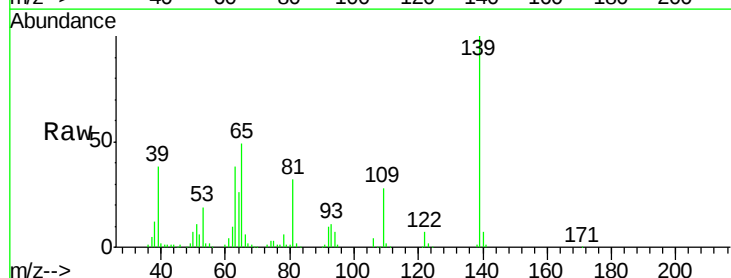
RT: 7.71 min Scan# 956

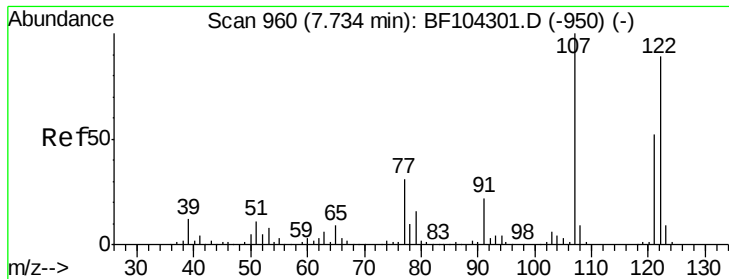
Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 245884 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 27.7  | 22.7  | 34.1   |
| 65        | 48.8  | 40.5  | 60.7   |





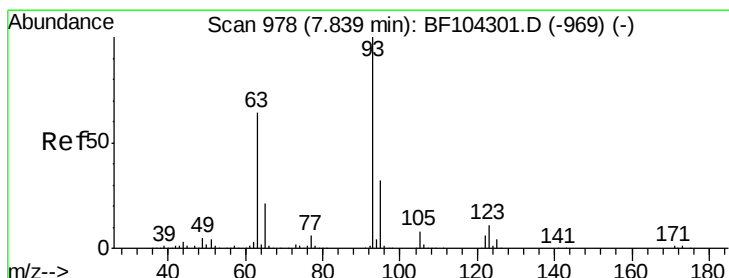
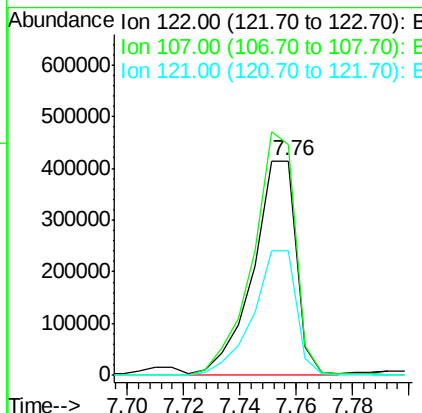
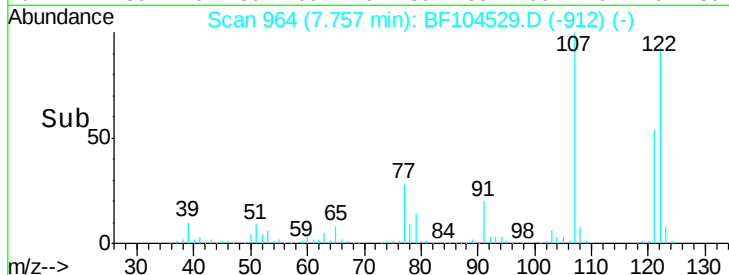
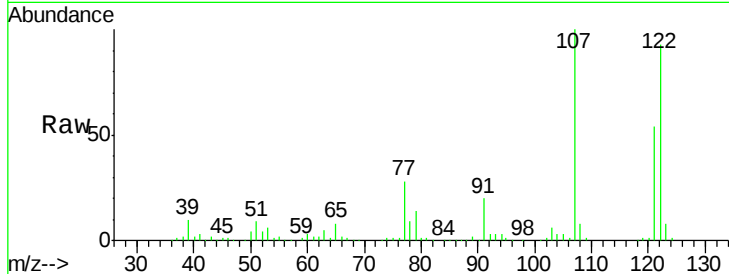
#27  
 2,4-Dimethylphenol  
 Concen: 49.230 ng  
 RT: 7.76 min Scan# 964  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 122     | 100   |       | 442707 |       |       |
| 107     | 107.6 | 91.2  | 136.8  |       |       |
| 121     | 57.9  | 47.2  | 70.8   |       |       |

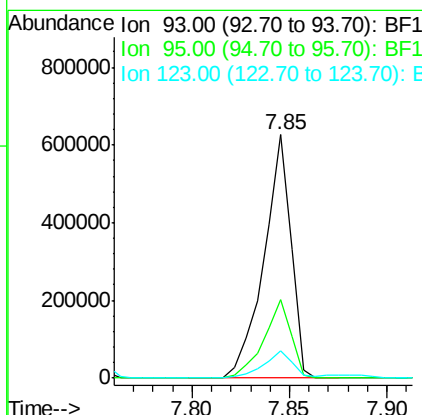
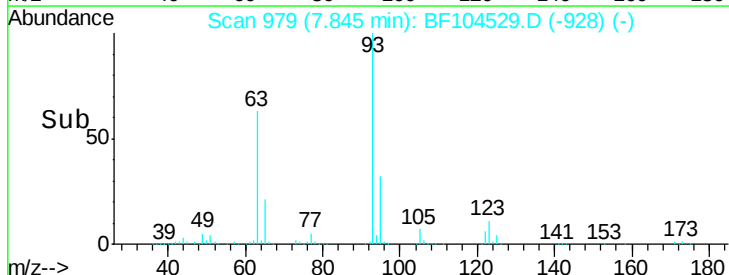
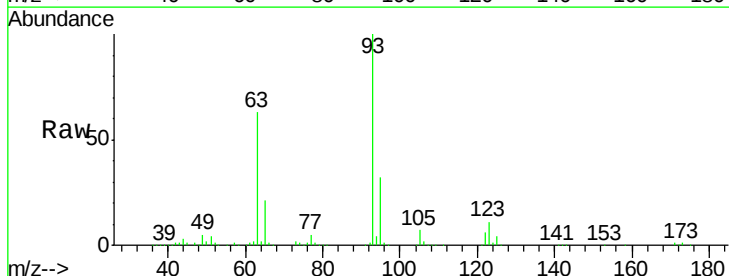
Manual Integrations  
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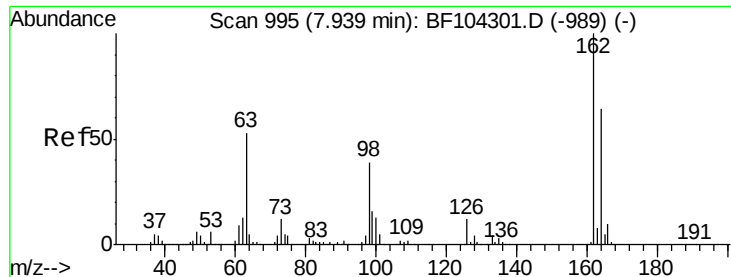
Sohil  
 4/17/2018 10:08:47 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 48.531 ng  
 RT: 7.85 min Scan# 979  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 604599 |       |       |
| 95      | 32.3 | 26.3  | 39.5   |       |       |
| 123     | 11.5 | 9.8   | 14.6   |       |       |





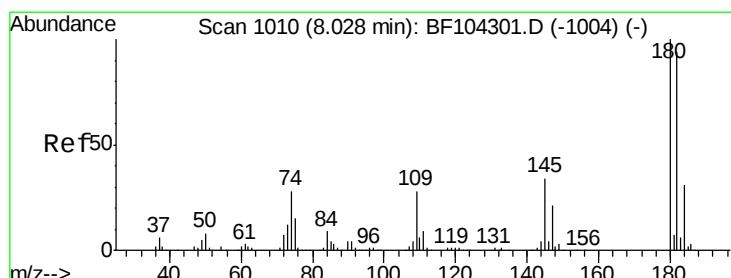
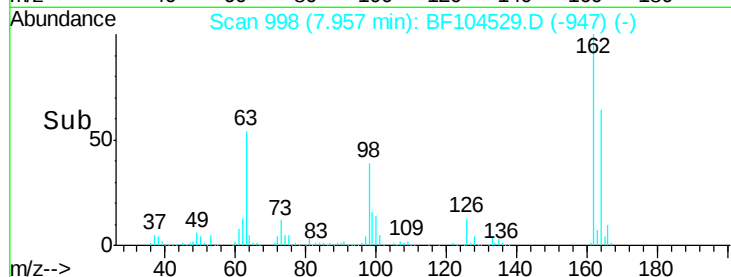
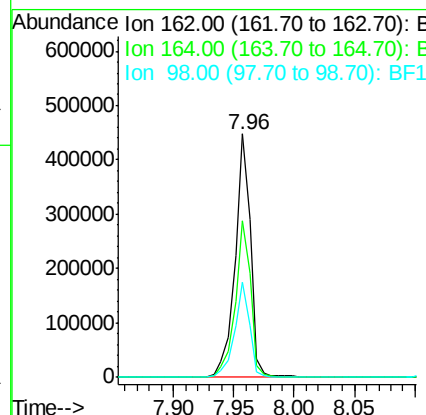
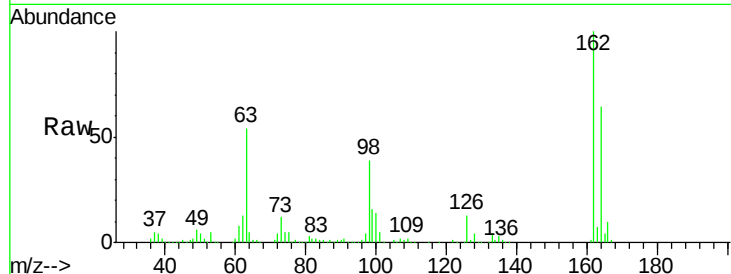
#29  
2,4-Dichlorophenol  
Concen: 46.525 ng  
RT: 7.96 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 399195 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.2  | 42.7  | 82.7   |
| 98        | 39.2  | 18.1  | 58.1   |

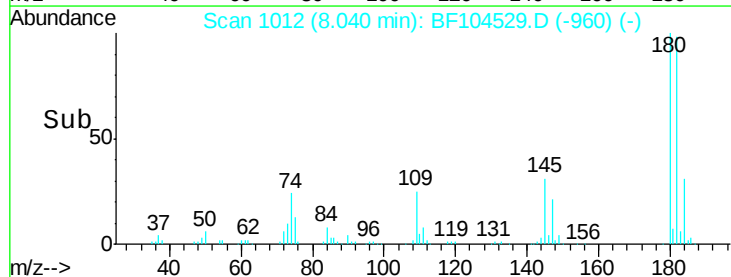
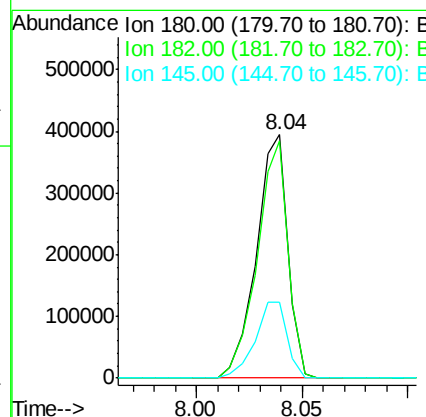
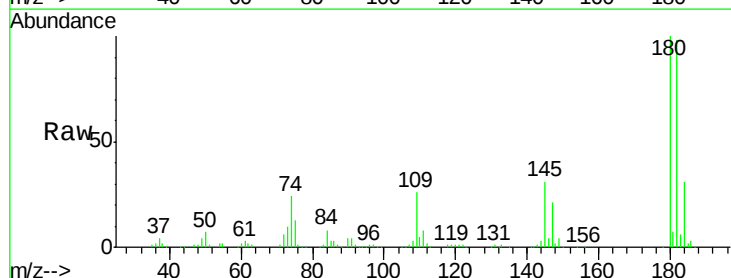
Manual Integrations  
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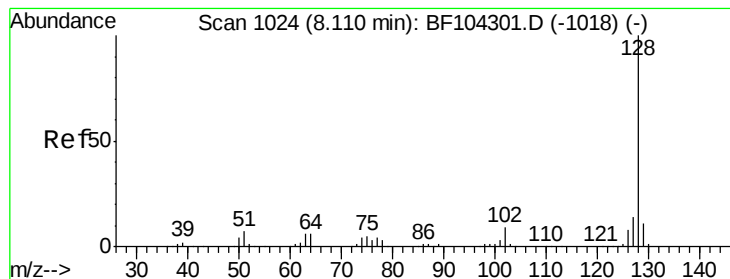
Sohil  
4/17/2018 10:08:47 AM



#30  
1,2,4-Trichlorobenzene  
Concen: 43.325 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 407972 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.6  | 76.8  | 115.2  |
| 145       | 31.2  | 26.5  | 39.7   |





#31

Naphthalene

Concen: 43.418 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

ClientSampleId :

PB108229BS

Tot Ion:128 Resp: 1360286

Ion Ratio Lower Upper

128 100

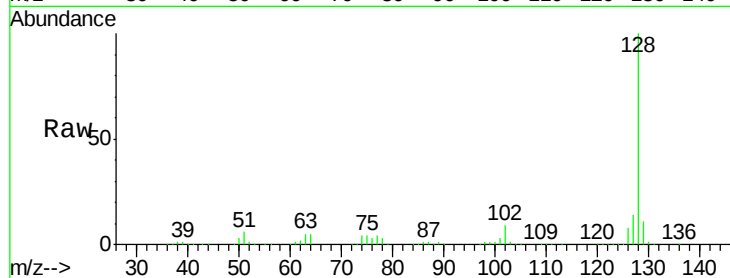
129 11.1 8.8 13.2

127 13.6 10.9 16.3

Manual Integrations  
APPROVED

Sohil

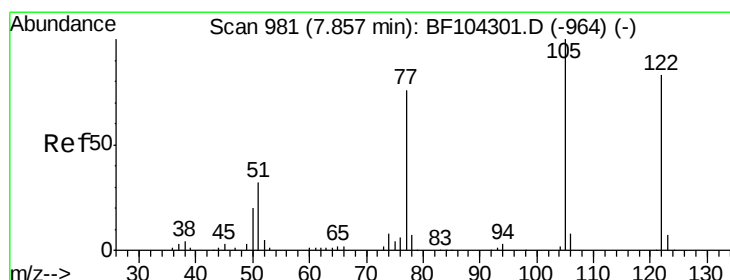
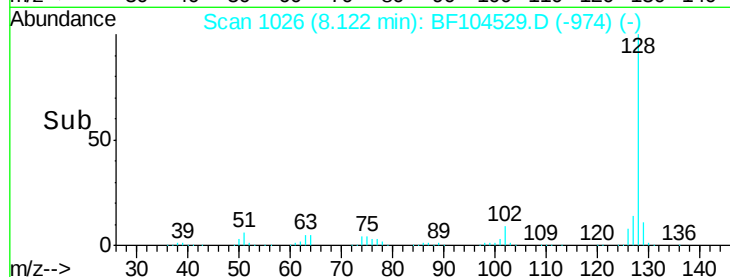
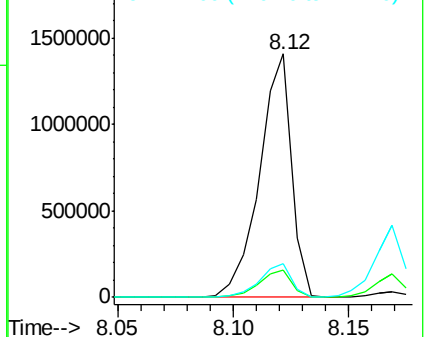
4/17/2018 10:08:47 AM



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: 41.062 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

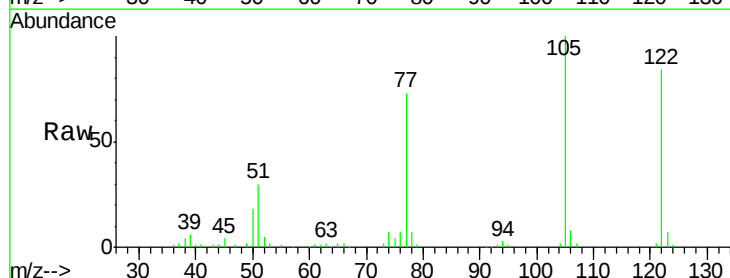
Tgt Ion:122 Resp: 294620

Ion Ratio Lower Upper

122 100

105 119.2 101.1 141.1

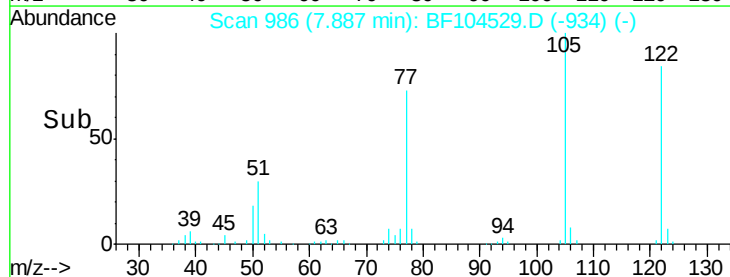
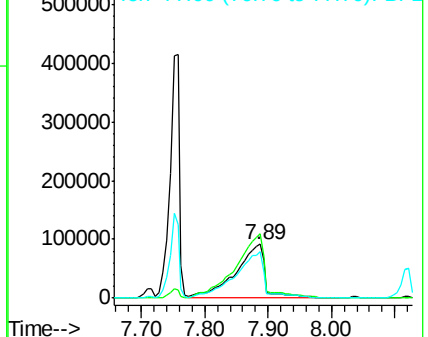
77 87.1 70.7 110.7

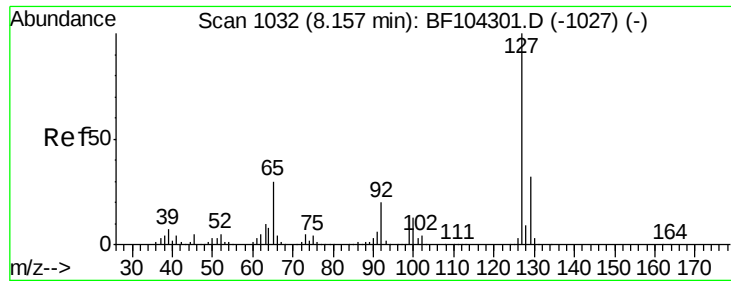


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





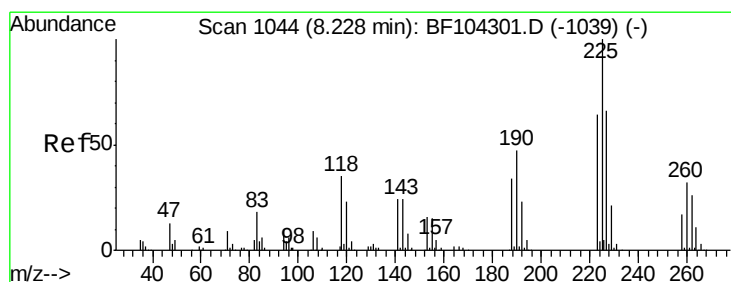
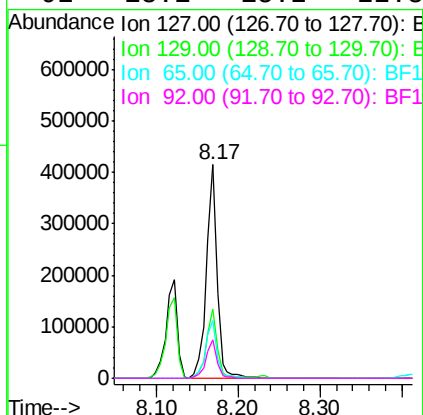
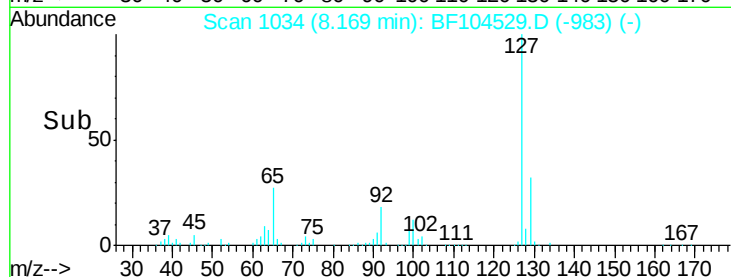
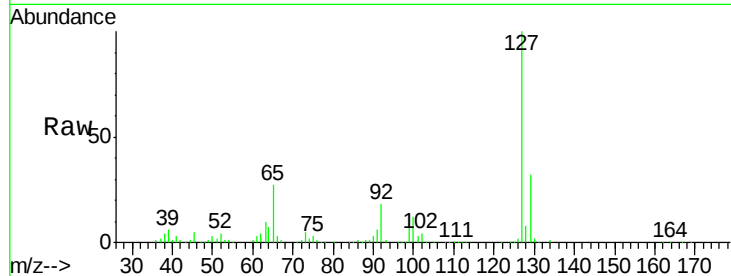
#33  
4-Chloroaniline  
Concen: 28.180 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.4 | 25.9  | 38.9 |       |       |
| 65      | 27.2 | 25.0  | 37.4 |       |       |
| 92      | 18.1 | 15.2  | 22.8 |       |       |

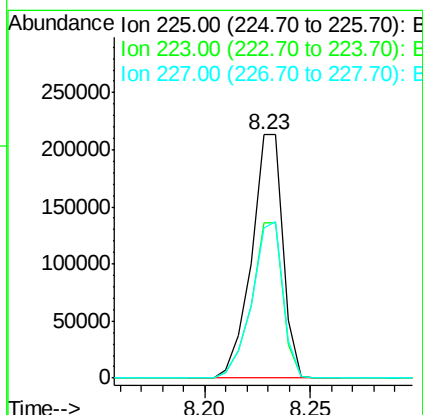
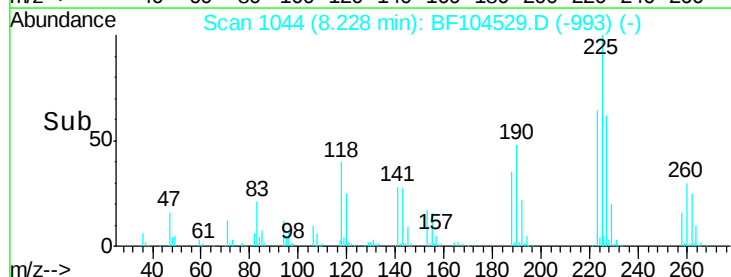
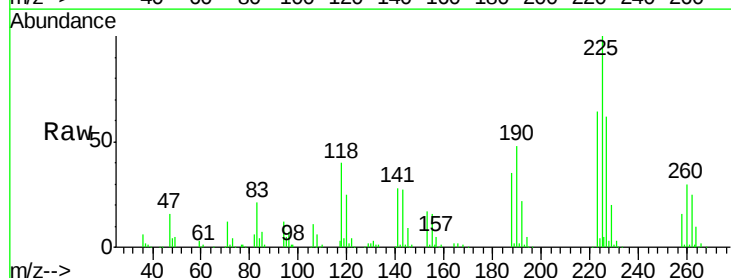
Manual Integrations  
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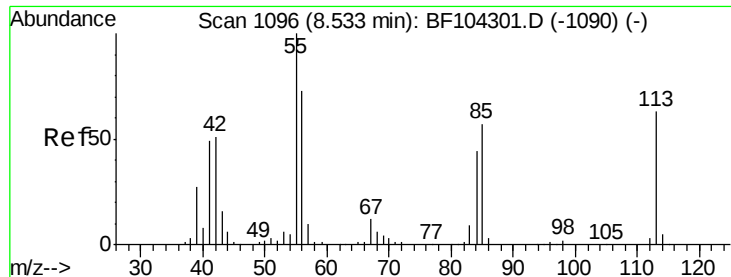
Sohil  
4/17/2018 10:08:47 AM



#34  
Hexachlorobutadiene  
Concen: 42.760 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.9 | 50.6  | 76.0 |       |       |
| 227     | 61.9 | 51.9  | 77.9 |       |       |





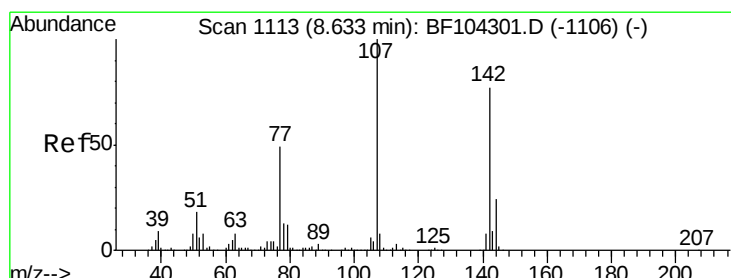
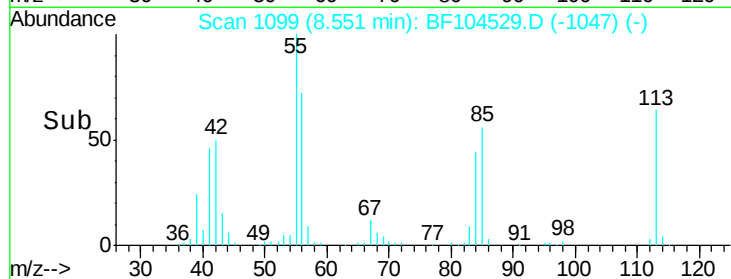
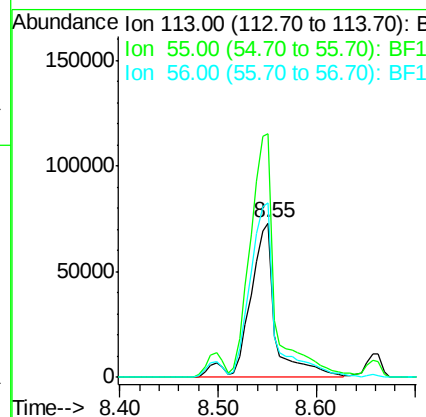
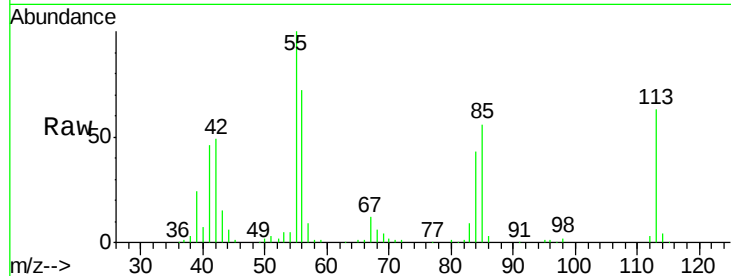
#35  
Caprolactam  
Concen: 44.196 ng/ml  
RT: 8.55 min Scan# 1099  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

Tot Ion: 113 Resp: 132289  
Ion Ratio Lower Upper  
113 100  
55 157.7 163.3 203.3#  
56 113.1 115.7 155.7#

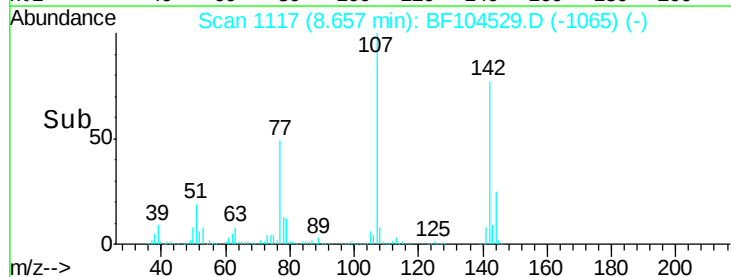
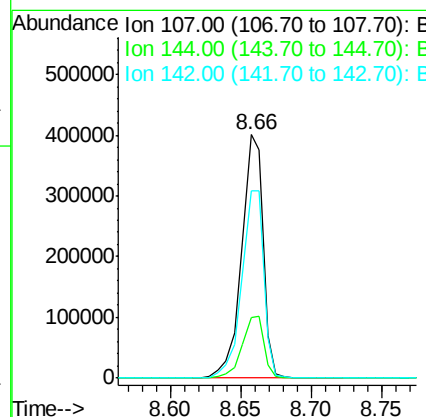
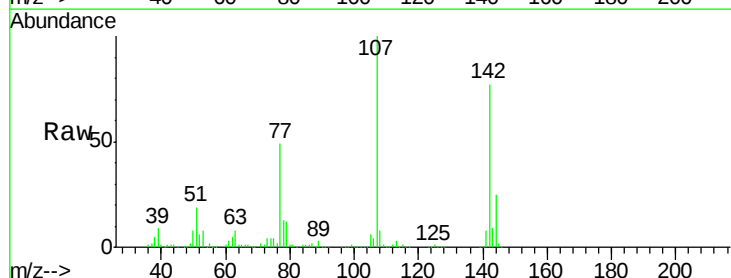
Manual Integrations  
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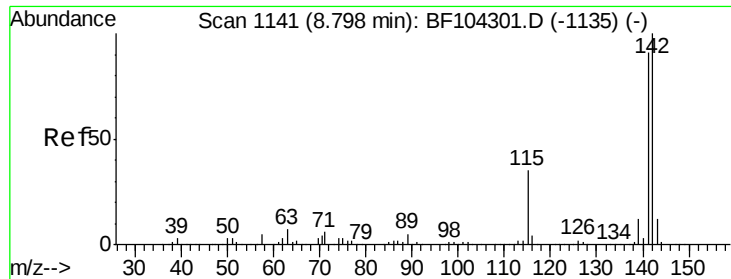
Sohil  
4/17/2018 10:08:47 AM



#36  
4-Chloro-3-methylphenol  
Concen: 46.128 ng/ml  
RT: 8.66 min Scan# 1117  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Tgt Ion: 107 Resp: 424394  
Ion Ratio Lower Upper  
107 100  
144 24.8 20.5 30.7  
142 76.8 62.0 93.0





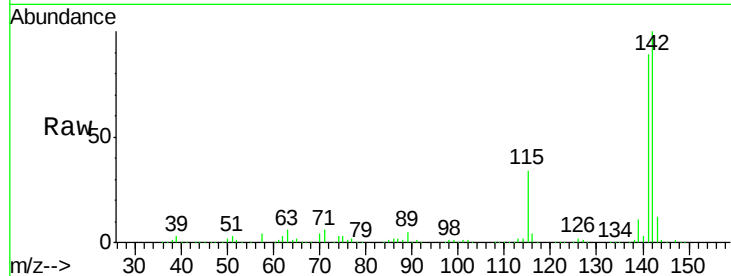
#37  
2-Methylnaphthalene  
Concen: 43.729 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.8  | 106.2 |
| 115     | 34.3  | 26.1  | 39.1  |

Manual Integrations  
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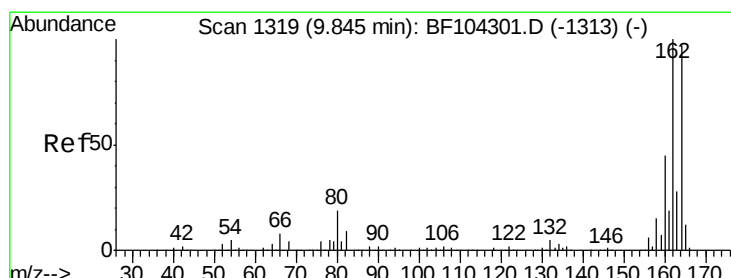
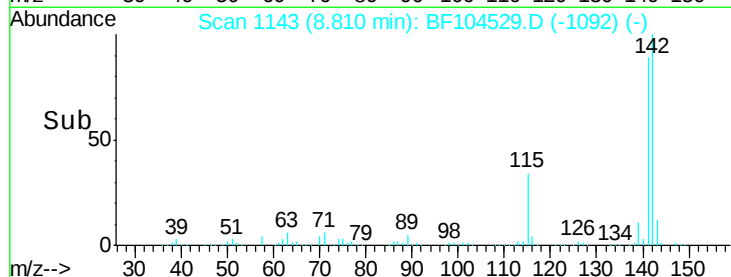
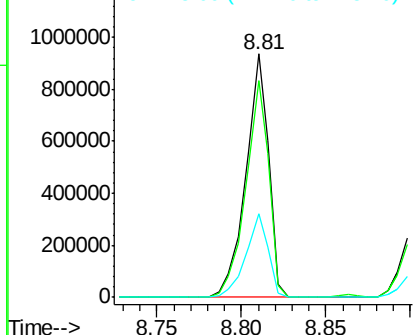


Abundance

Ion 142.00 (141.70 to 142.70): E

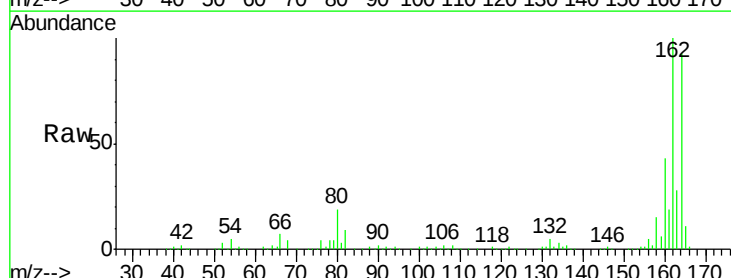
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.4 | 86.1  | 129.1 |
| 160     | 46.7  | 38.3  | 57.5  |

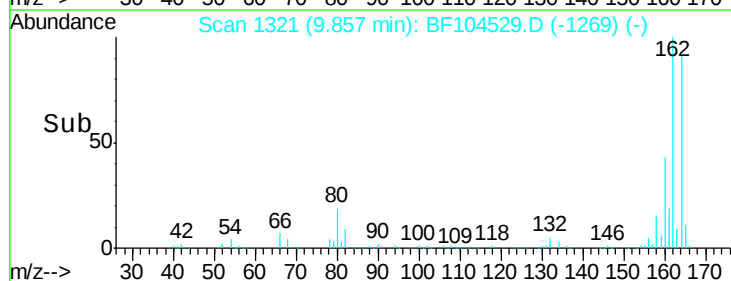
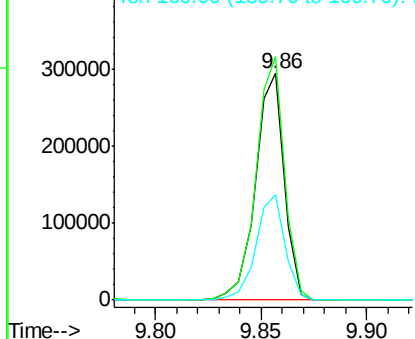


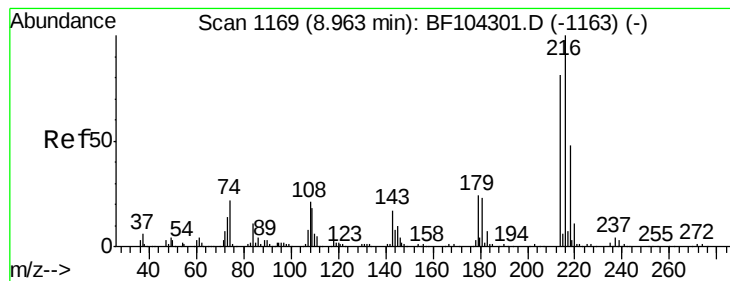
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.572 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

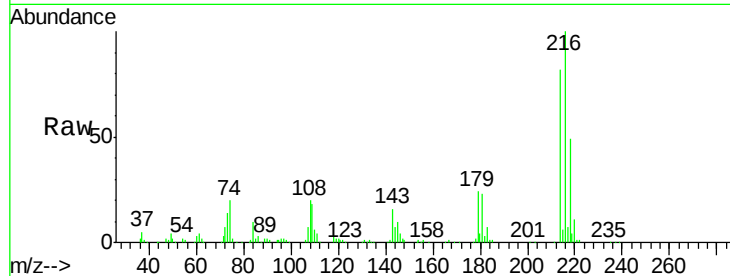
ClientSampleId :

PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 371511 |       |       |
| 214     | 80.8  | 63.0   | 94.4  |       |
| 179     | 22.6  | 18.1   | 27.1  |       |
| 108     | 21.2  | 17.2   | 25.8  |       |

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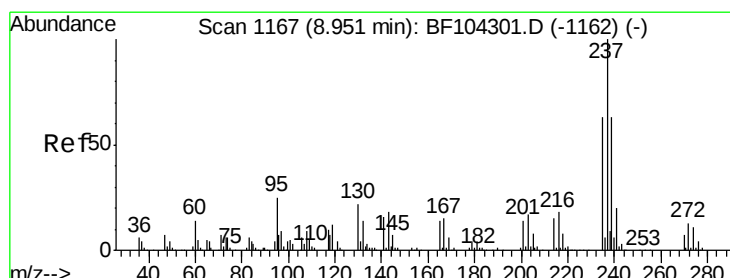
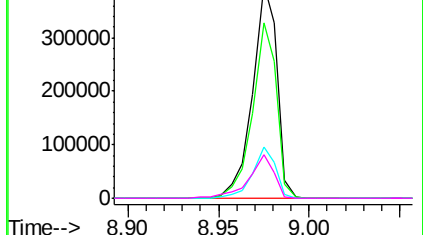
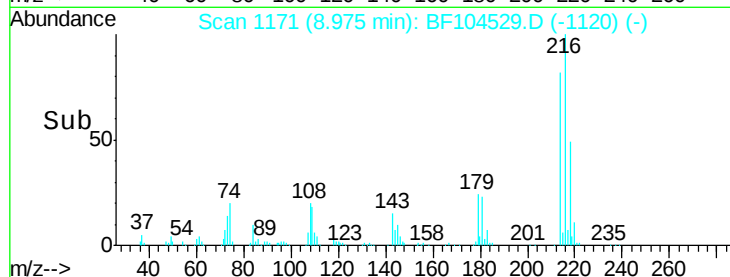


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 45.502 ng

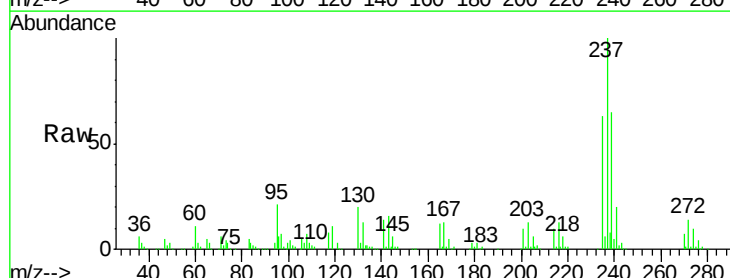
RT: 8.96 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

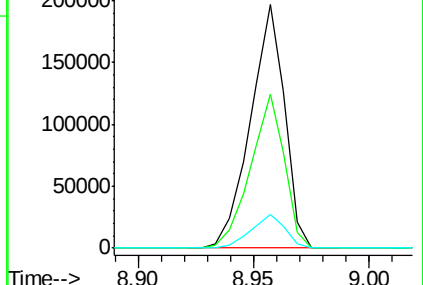
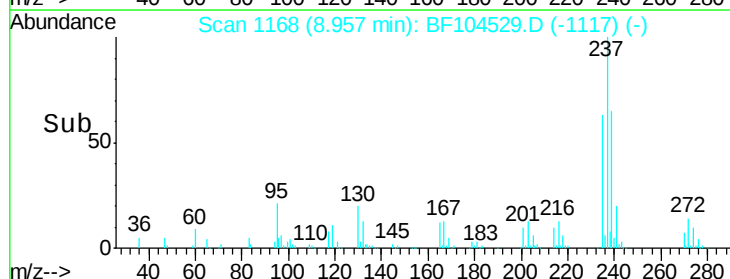
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 203210 |       |       |
| 235     | 63.1  | 44.8   | 84.8  |       |
| 272     | 13.9  | 0.0    | 33.3  |       |

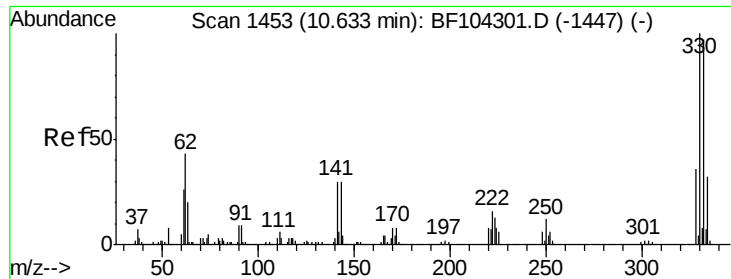


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





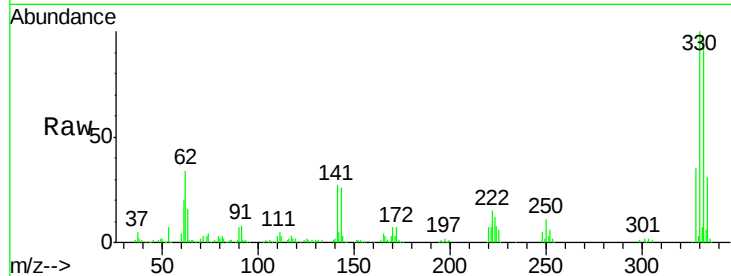
#41  
 2,4,6-Tribromophenol  
 Concen: 85.819 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

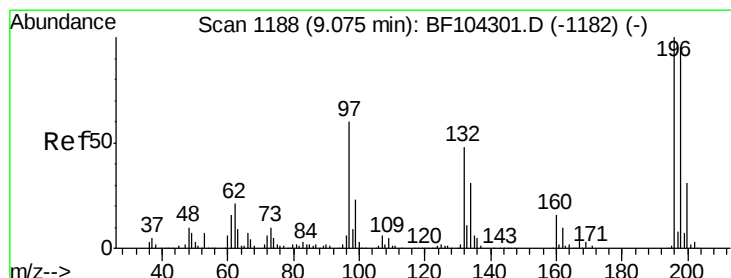
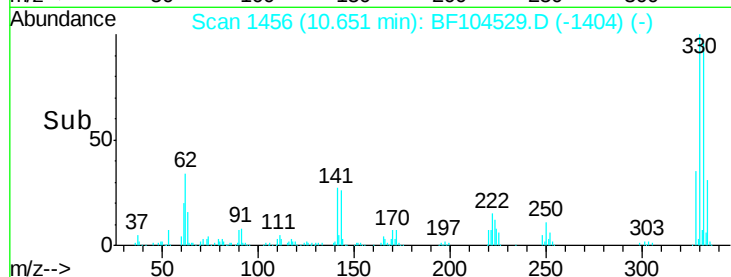
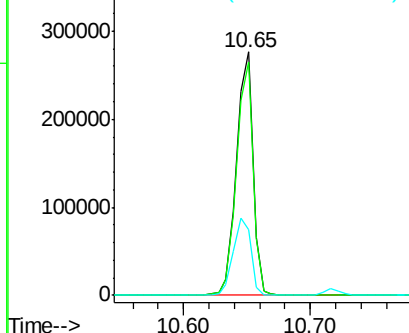
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 248080 |       |       |
| 332     | 95.9  | 77.0   | 115.6 |       |
| 141     | 33.9  | 29.9   | 44.9  |       |

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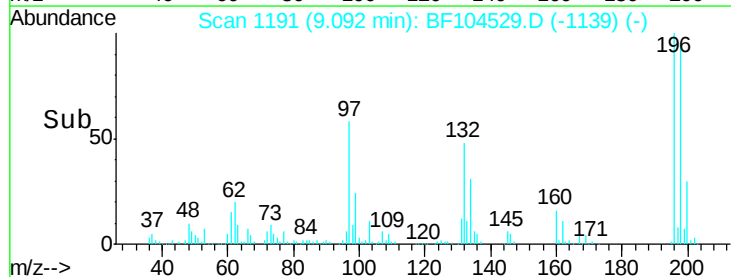
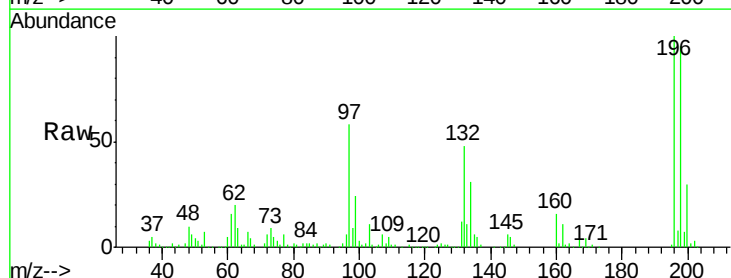
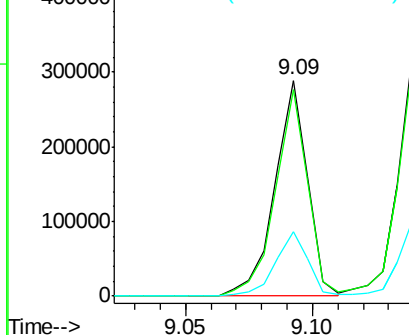
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

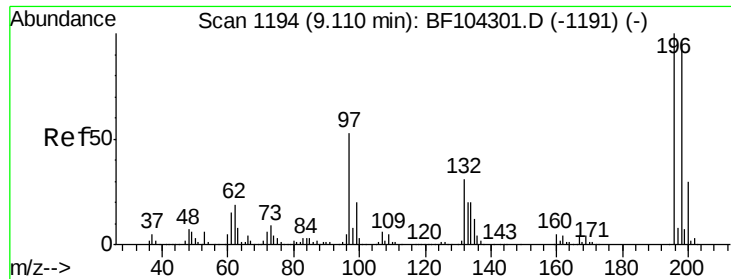


#42  
 2,4,6-Trichlorophenol  
 Concen: 47.076 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 260693 |       |       |
| 198     | 95.4  | 75.7   | 113.5 |       |
| 200     | 30.0  | 24.5   | 36.7  |       |

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





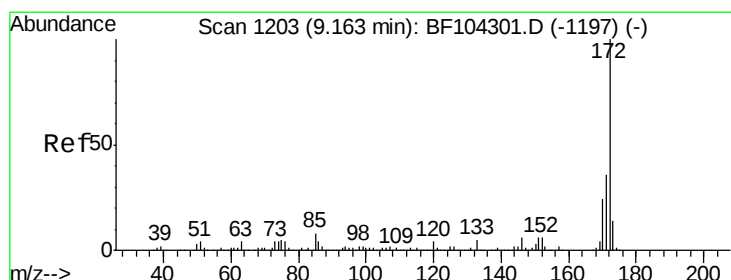
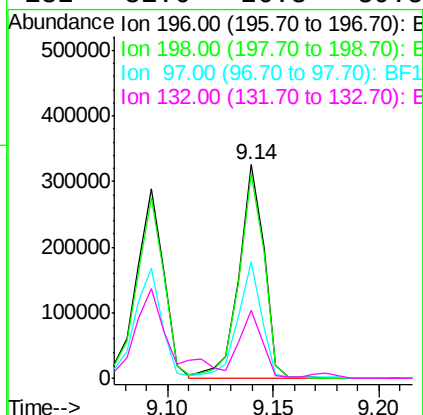
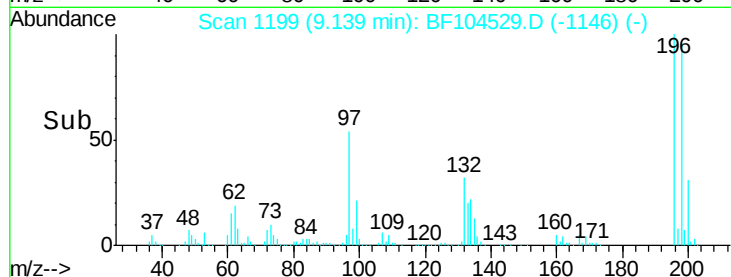
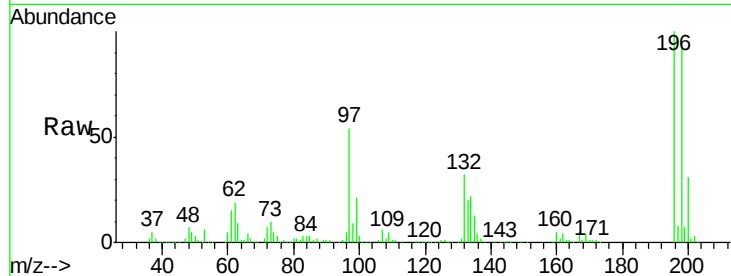
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.840 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 265474 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.1  | 74.6  | 112.0  |
| 97        | 54.5  | 42.9  | 64.3   |
| 132       | 31.6  | 26.3  | 39.5   |

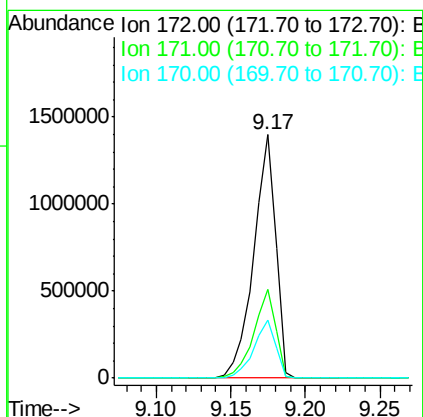
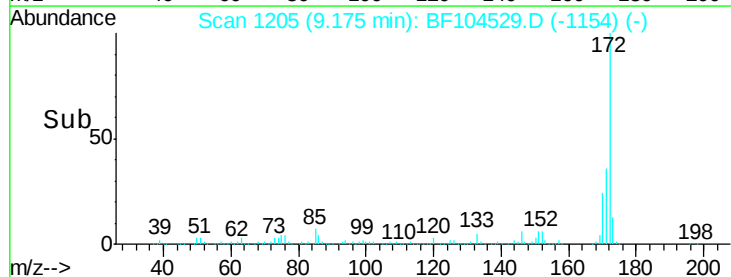
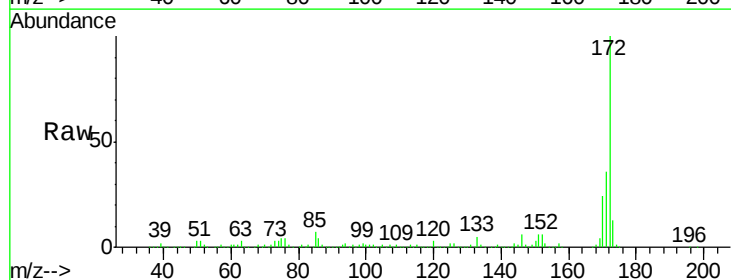
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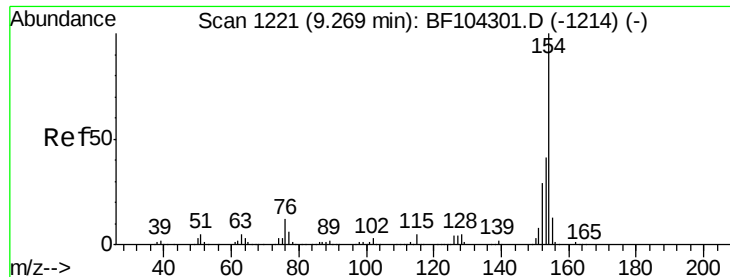
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#44  
 2-Fluorobiphenyl  
 Concen: 80.274 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1416064 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.4  | 29.7  | 44.5    |
| 170       | 24.0  | 19.6  | 29.4    |





#45

1,1'-Biphenyl

Concen: 43.812 ng

RT: 9.27 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

ClientSampleId :

PB108229BS

Tot Ion:154 Resp: 1025670

Ion Ratio Lower Upper

154 100

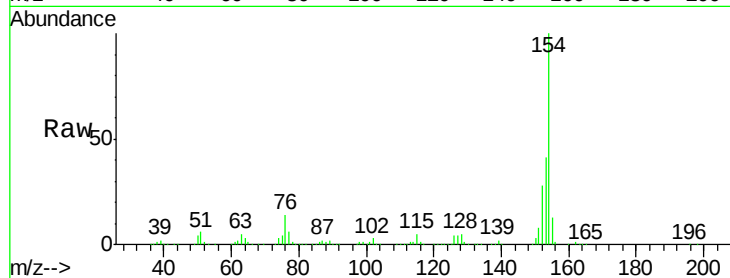
153 41.2 21.3 61.3

76 14.1 0.0 34.0

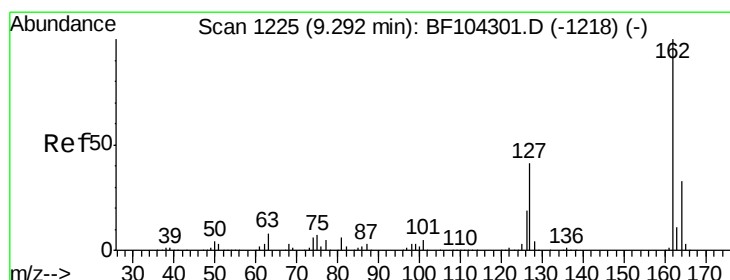
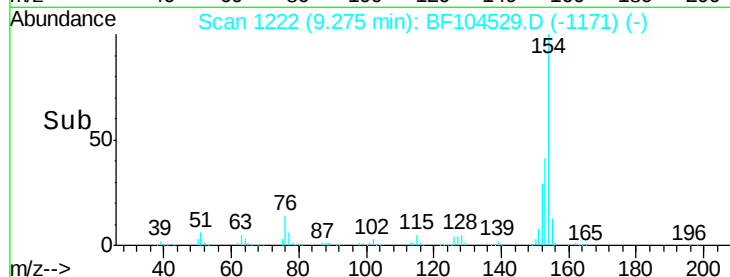
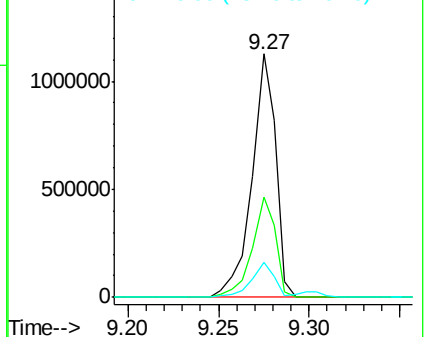
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 43.410 ng

RT: 9.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

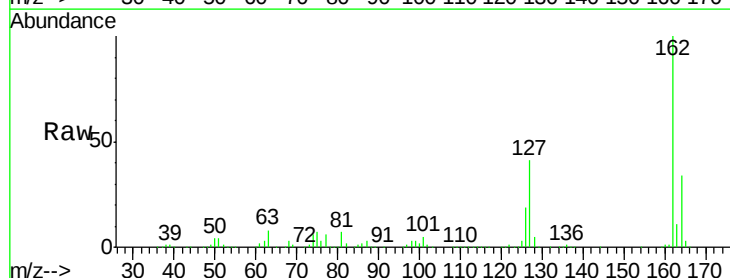
Tgt Ion:162 Resp: 802712

Ion Ratio Lower Upper

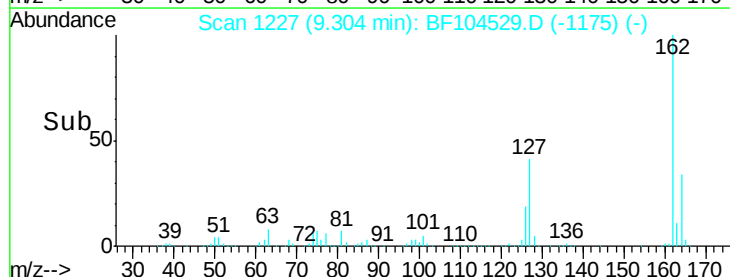
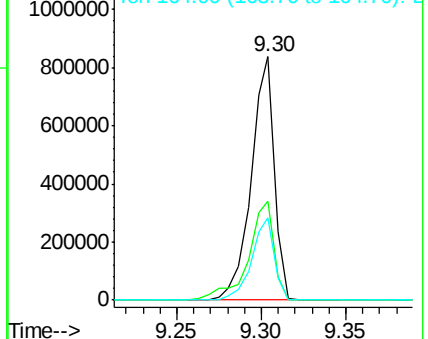
162 100

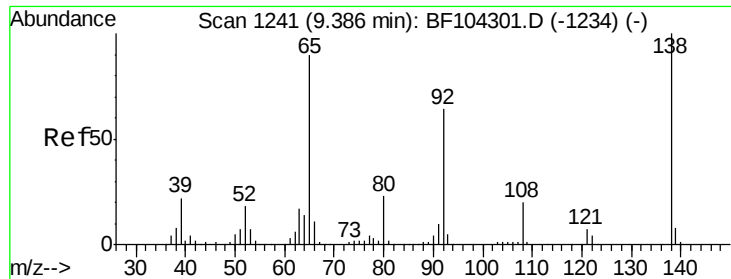
127 40.9 33.9 50.9

164 33.6 26.5 39.7



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





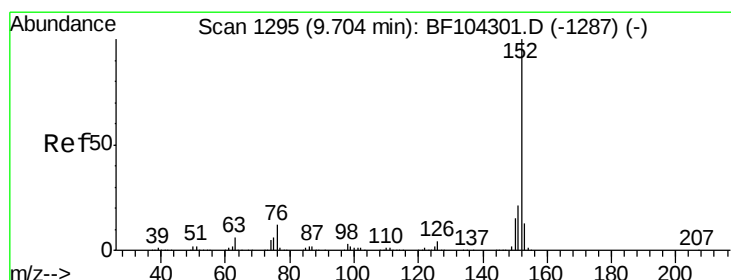
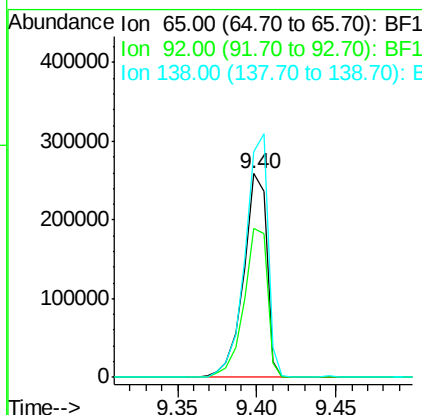
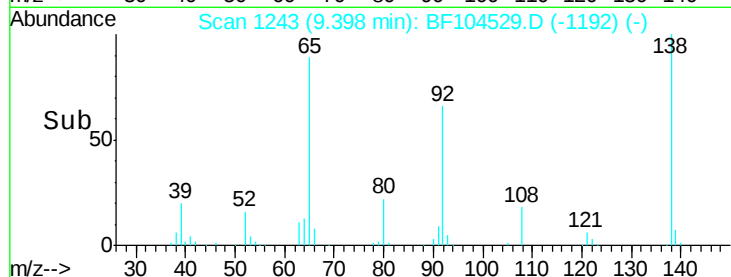
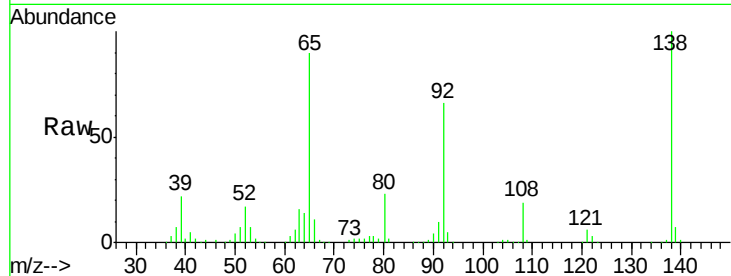
#47  
 2-Nitroaniline  
 Concen: 57.207 ng  
 RT: 9.40 min Scan# 1243  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 261600 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 73.2  | 55.8  | 83.6   |
| 138       | 111.3 | 91.2  | 136.8  |

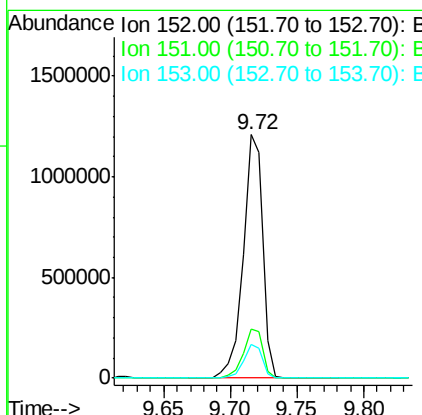
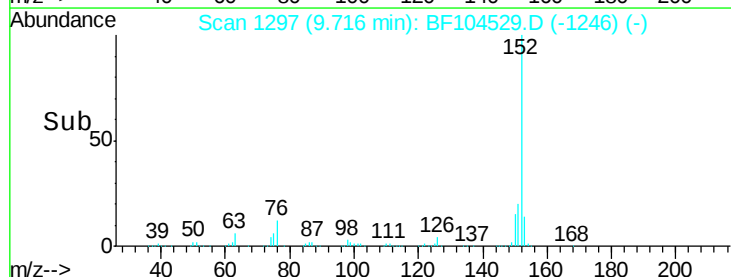
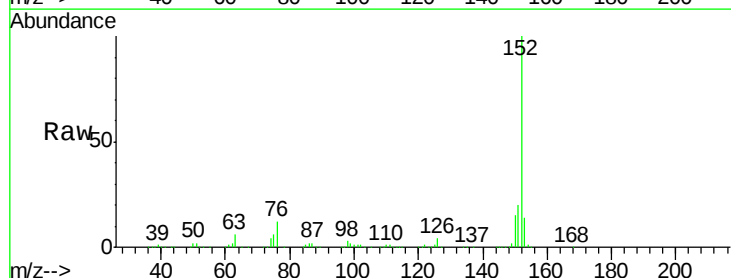
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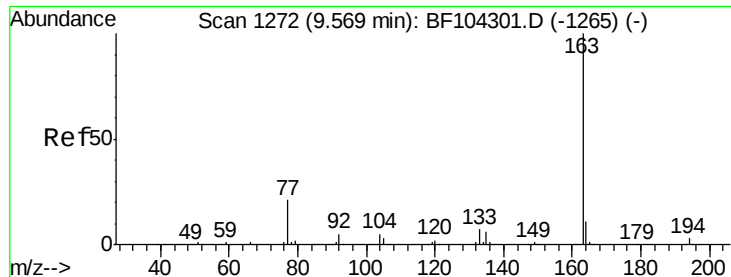
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#48  
 Acenaphthylene  
 Concen: 41.707 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1210016 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 20.2  | 16.3  | 24.5    |
| 153       | 13.6  | 10.7  | 16.1    |





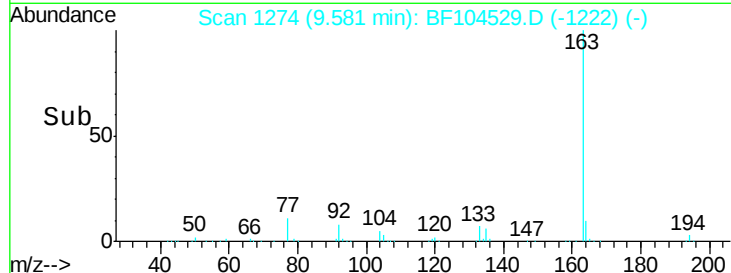
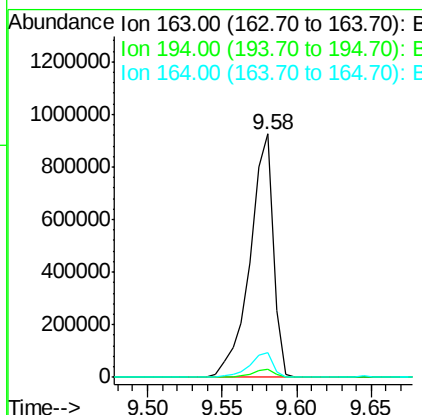
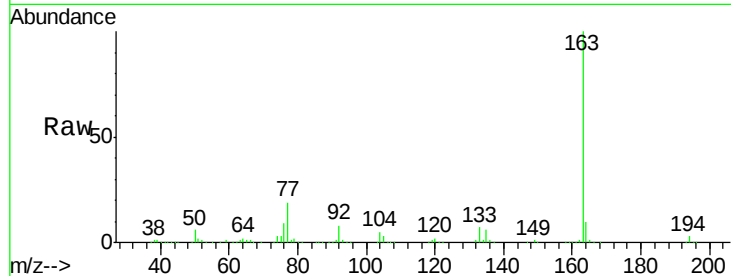
#49  
Dimethylphthalate  
Concen: 45.194 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.4   | 2.7  | 4.1   |       |
| 164     | 10.0  | 8.2  | 12.2  |       |

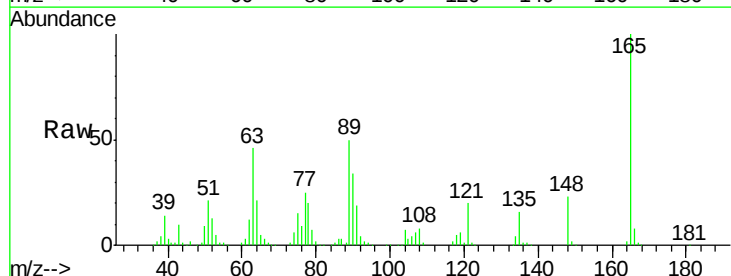
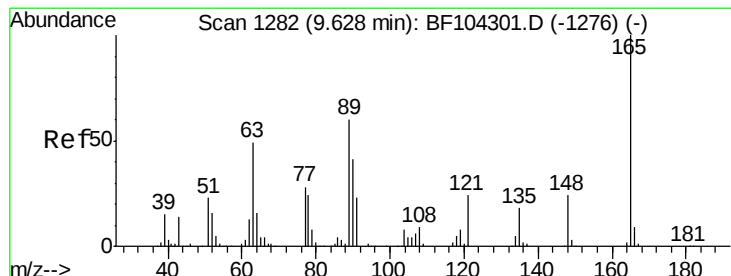
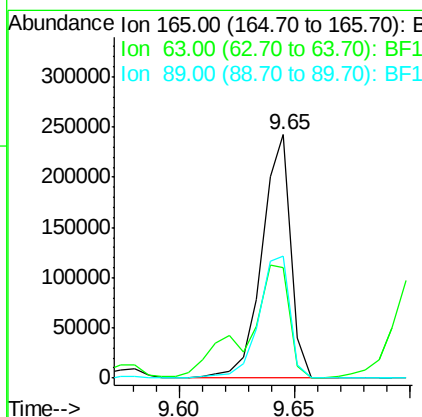
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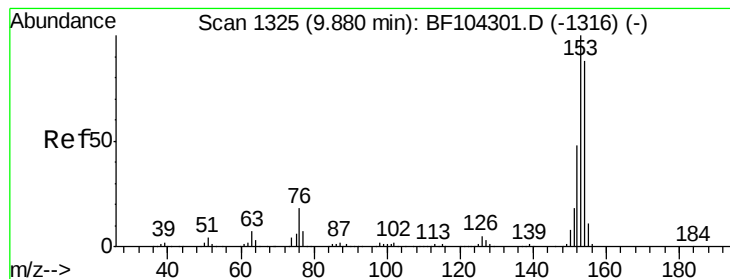
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#50  
2,6-Dinitrotoluene  
Concen: 51.797 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 45.6  | 44.7 | 67.1  |       |
| 89      | 50.3  | 44.0 | 66.0  |       |





#51

Acenaphthene

Concen: 39.963 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

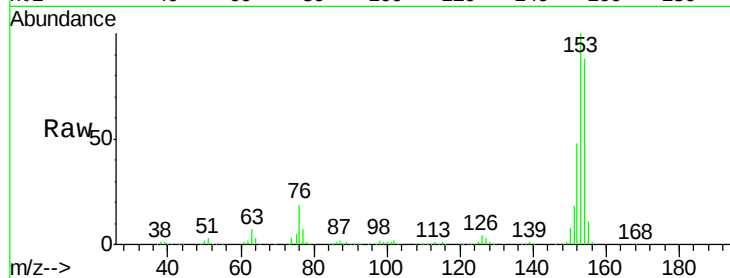
ClientSampled :

PB108229BS

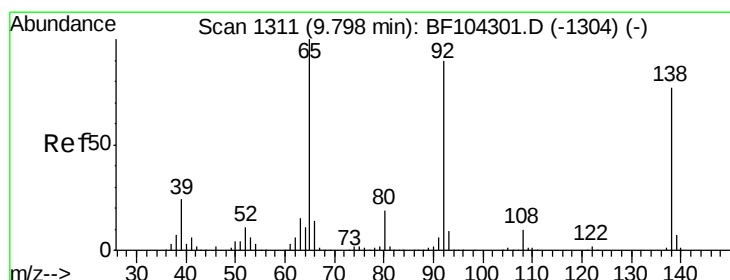
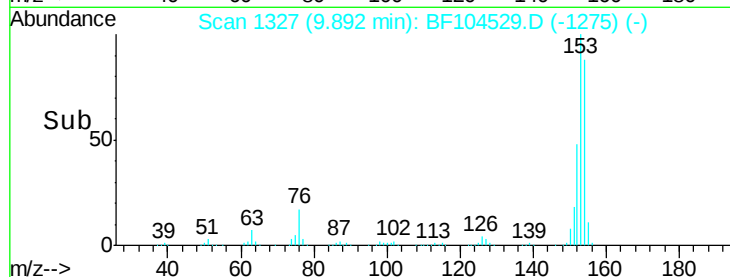
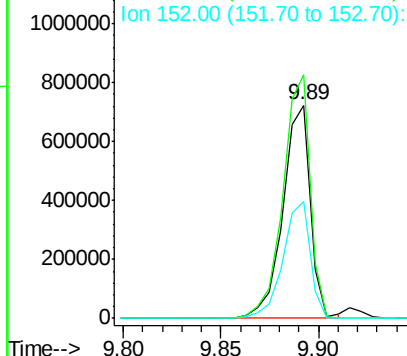
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 154   | Resp: | 707406 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 114.0 | 91.2  | 136.8  |
| 152      | 54.5  | 43.8  | 65.8   |

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



#52

3-Nitroaniline

Concen: 40.304 ng

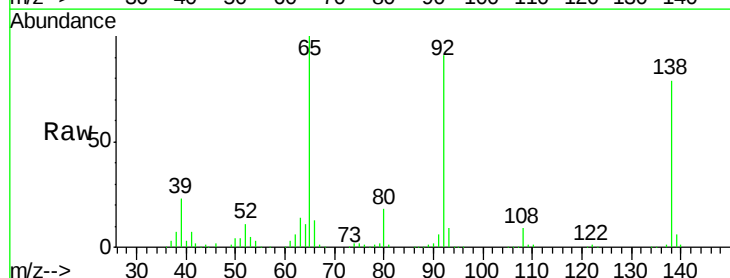
RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

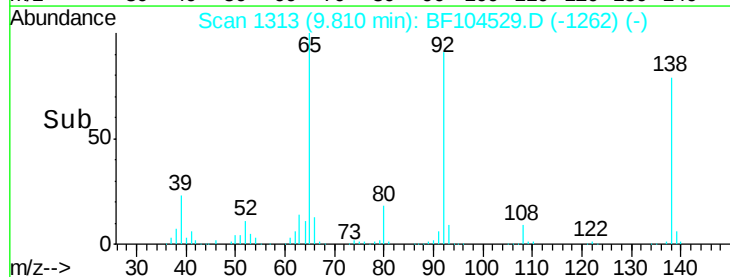
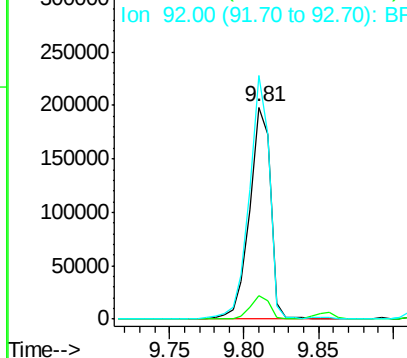
Lab File: BF104529.D

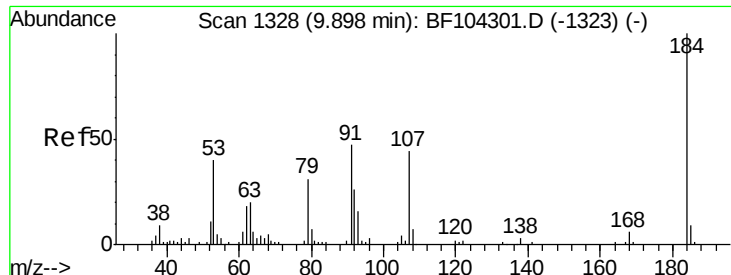
Acq: 16 Apr 2018 12:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 191866 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 108      | 10.8  | 9.4   | 14.0   |
| 92       | 114.9 | 89.4  | 134.2  |



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





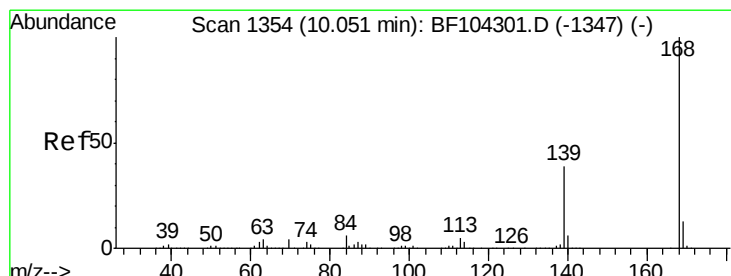
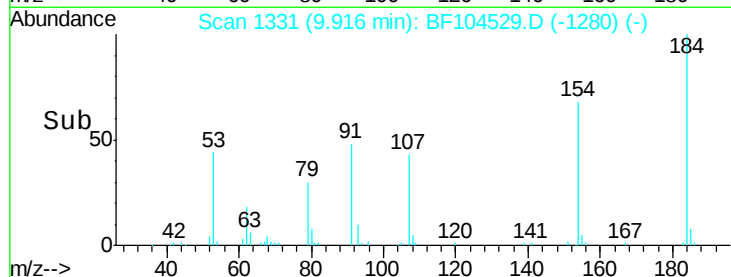
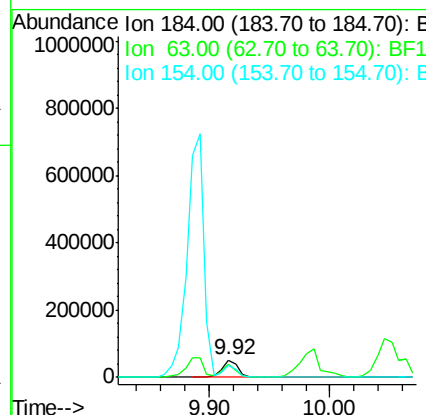
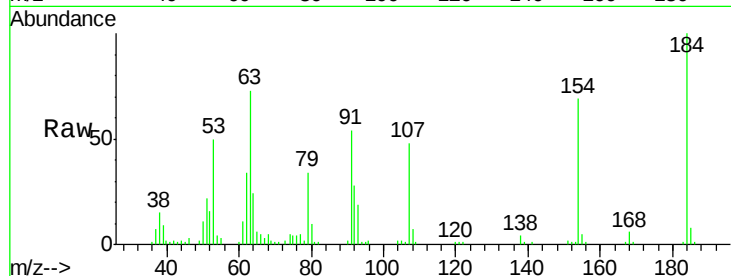
#53  
 2,4-Dinitrophenol  
 Concen: 39.040 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

Tot Ion:184 Resp: 48028  
 Ion Ratio Lower Upper  
 184 100  
 63 73.2 54.2 81.2  
 154 68.9 184.0 276.0#

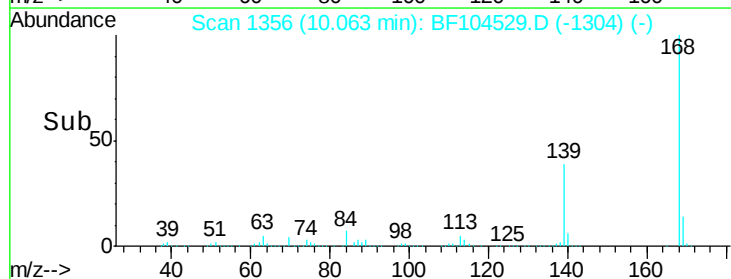
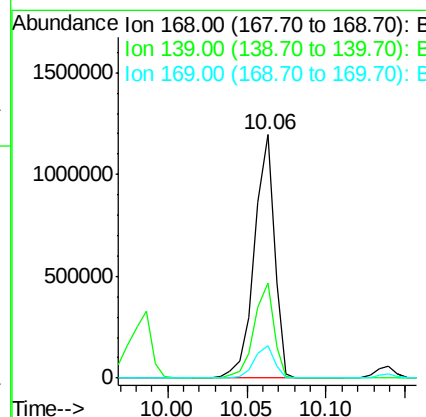
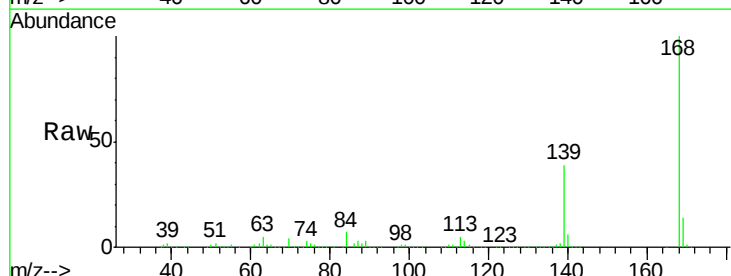
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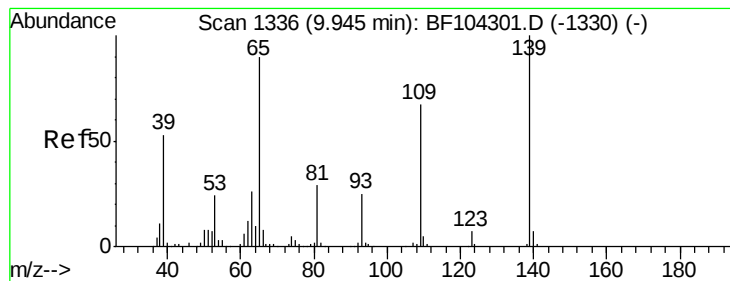
Sohil  
 4/17/2018 10:08:47 AM



#54  
 Dibenzofuran  
 Concen: 42.521 ng  
 RT: 10.06 min Scan# 1356  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Tgt Ion:168 Resp: 1048927  
 Ion Ratio Lower Upper  
 168 100  
 139 39.0 30.1 45.1  
 169 13.6 10.9 16.3





#55

4-Nitrophenol

Concen: 86.822 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

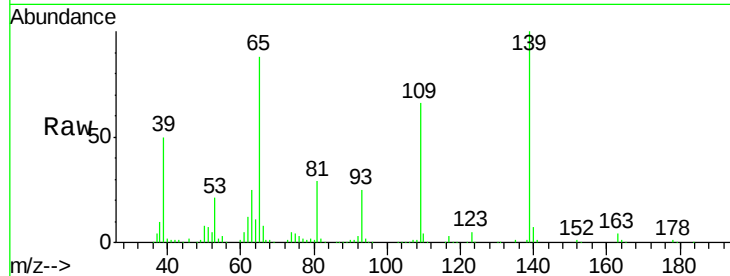
ClientSampleId :

PB108229BS

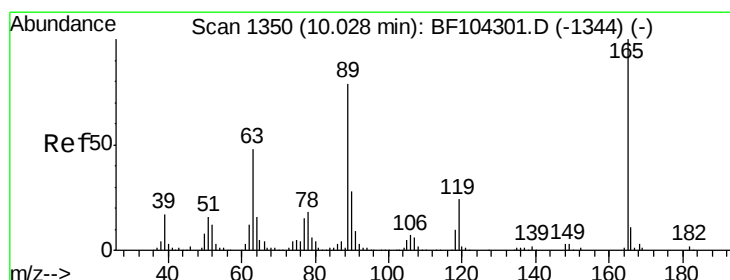
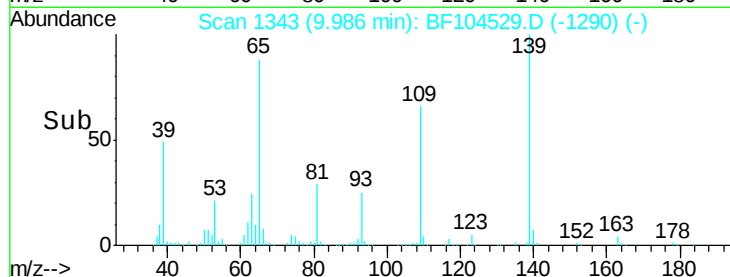
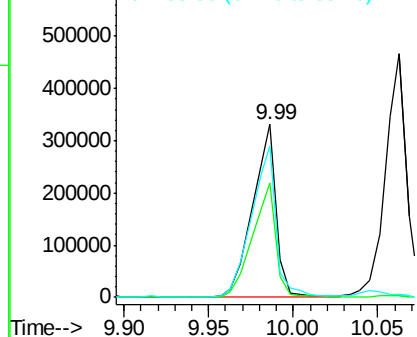
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 324671 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 66.3  | 48.4  | 88.4   |
| 65        | 87.8  | 72.6  | 112.6  |

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Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 48.640 ng

RT: 10.05 min Scan# 1354

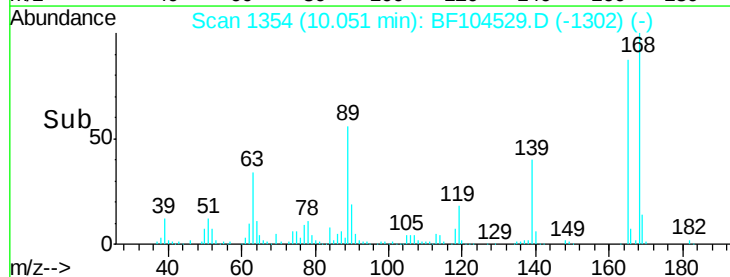
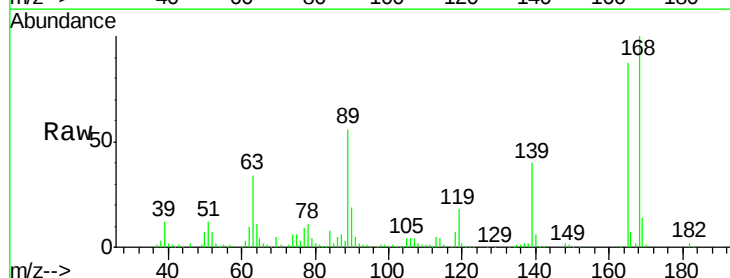
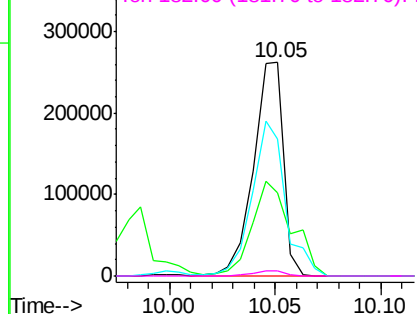
Delta R.T. 0.01 min

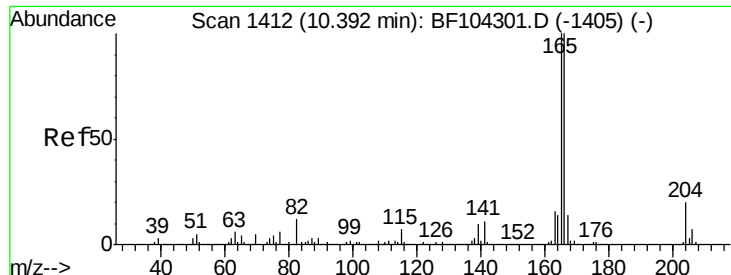
Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 259438 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 39.2  | 36.4  | 54.6   |
| 89        | 64.0  | 57.8  | 86.6   |
| 182       | 2.2   | 1.6   | 2.4    |

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





#57

Fluorene

Concen: 43.005 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

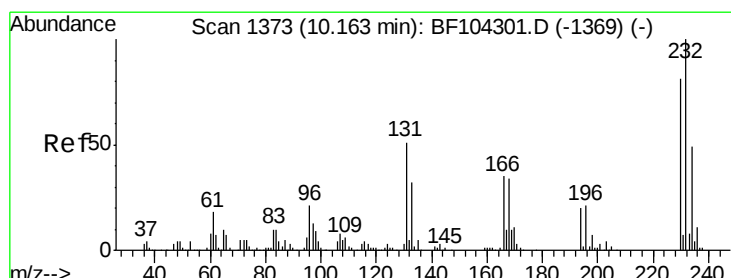
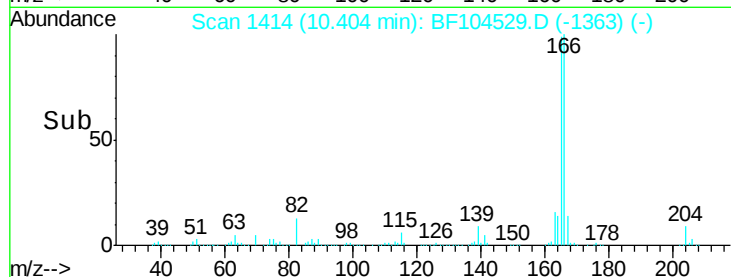
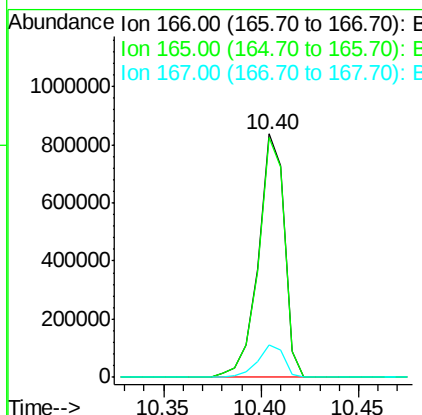
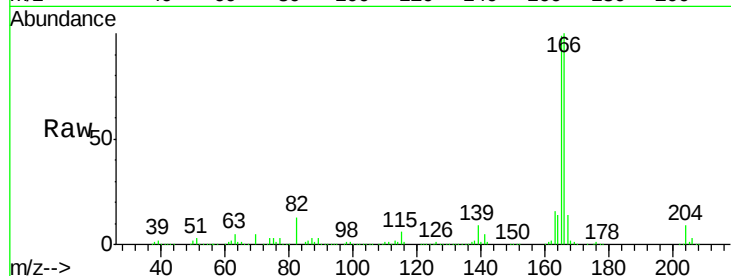
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 772185 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.6  | 79.8  | 119.8  |
| 167       | 13.5  | 10.6  | 16.0   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 43.646 ng

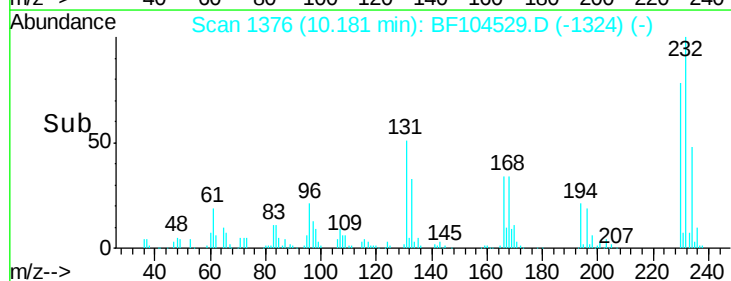
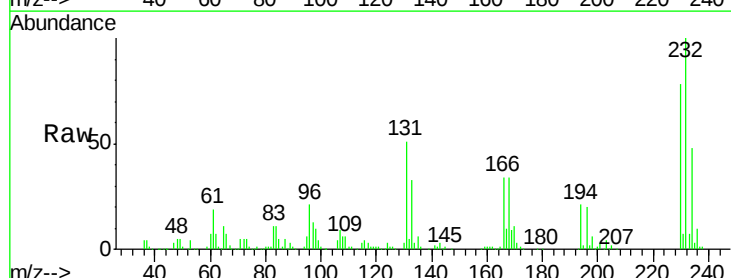
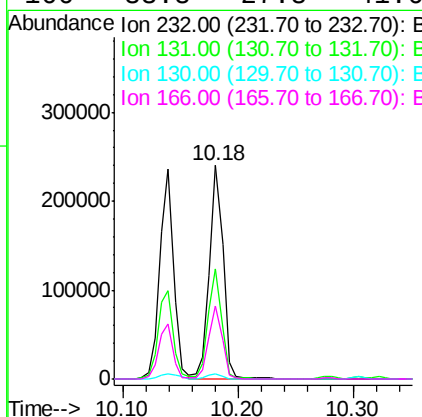
RT: 10.18 min Scan# 1376

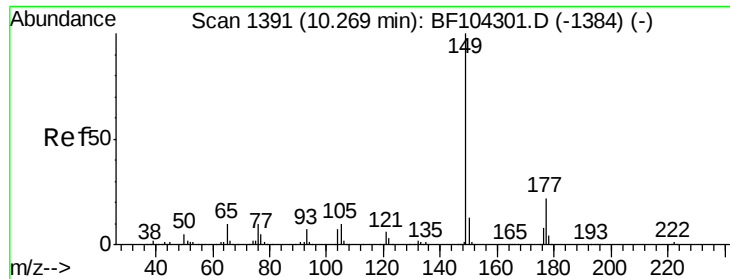
Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 201781 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 50.1  | 43.8  | 65.8   |
| 130       | 2.4   | 2.1   | 3.1    |
| 166       | 33.8  | 27.8  | 41.6   |





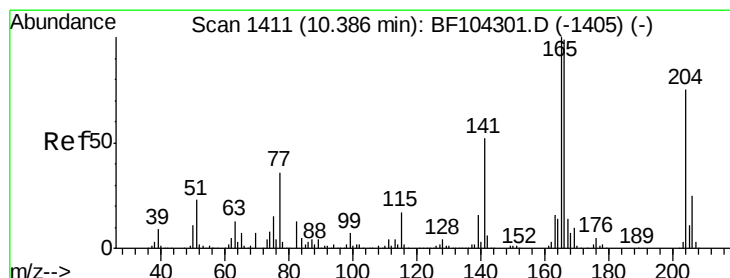
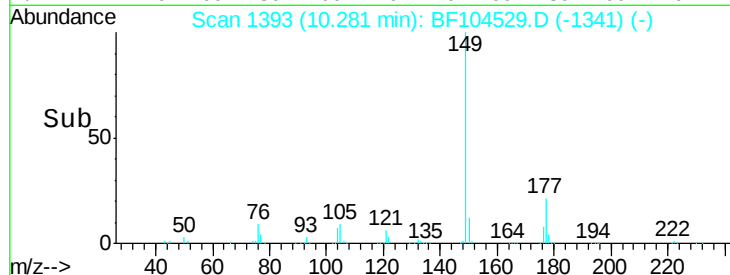
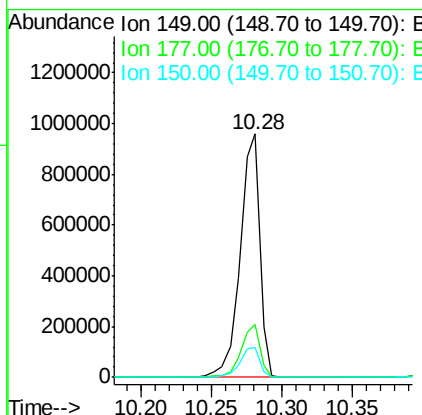
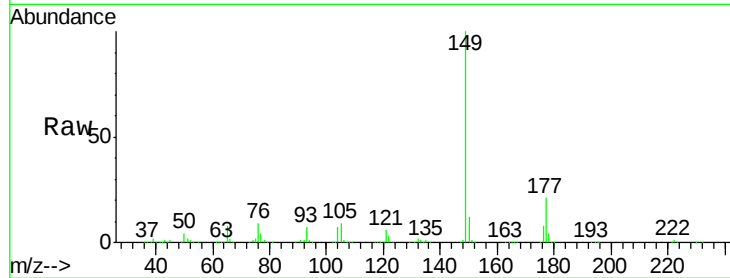
#59  
Diethylphthalate  
Concen: 42.249 ng  
RT: 10.28 min Scan# 1393  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.5  | 16.1  | 24.1  |
| 150     | 12.4  | 10.1  | 15.1  |

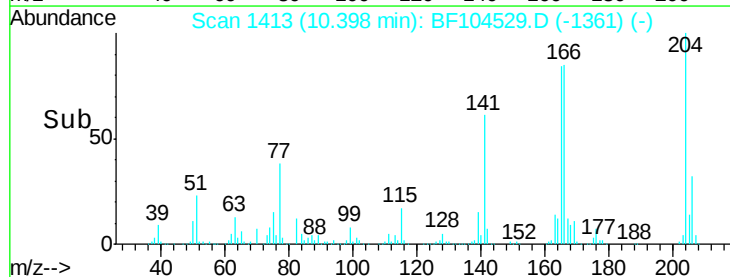
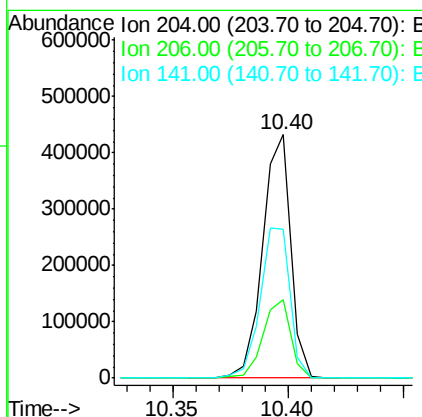
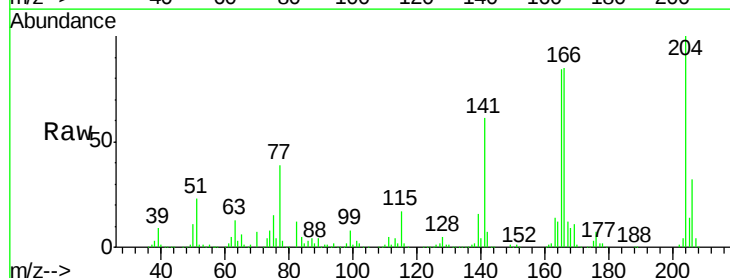
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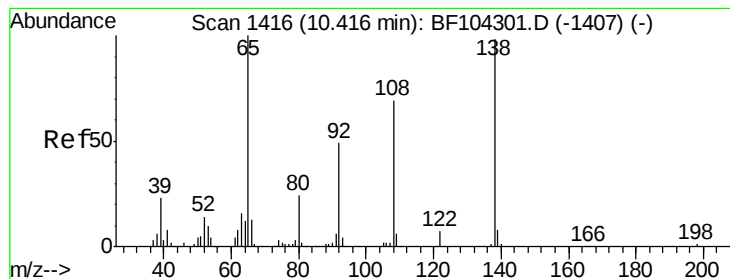
Sohil  
4/17/2018 10:08:47 AM



#60  
4-Chlorophenyl-phenylether  
Concen: 45.959 ng  
RT: 10.40 min Scan# 1413  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.3  | 26.5  | 39.7  |
| 141     | 61.3  | 54.6  | 81.8  |





#61

4-Nitroaniline

Concen: 45.974 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

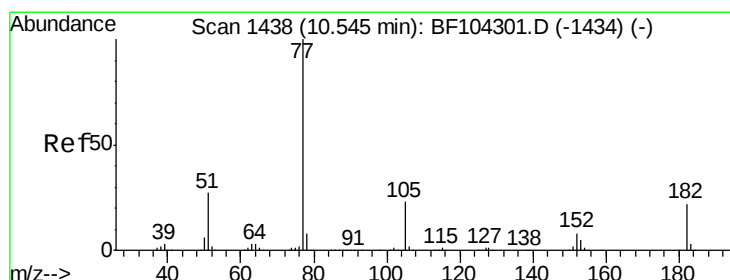
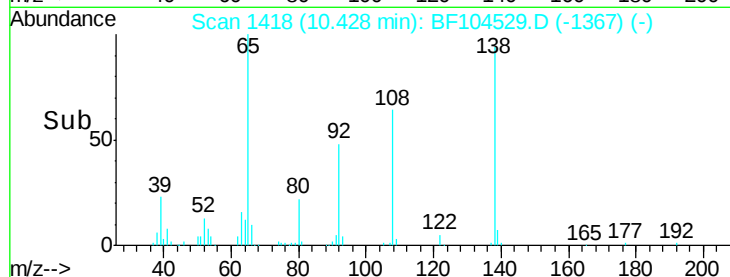
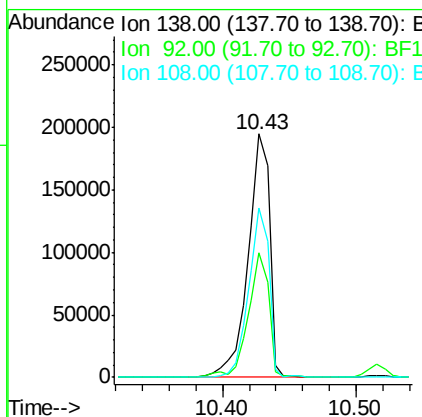
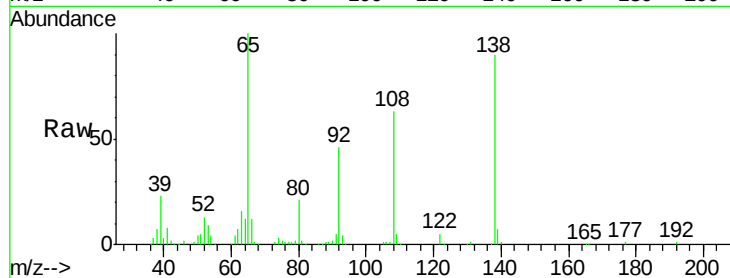
ClientSampled :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 213993 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 51.3  | 30.2  | 70.2   |
| 108       | 69.4  | 52.5  | 92.5   |

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#62

Azobenzene

Concen: 41.073 ng

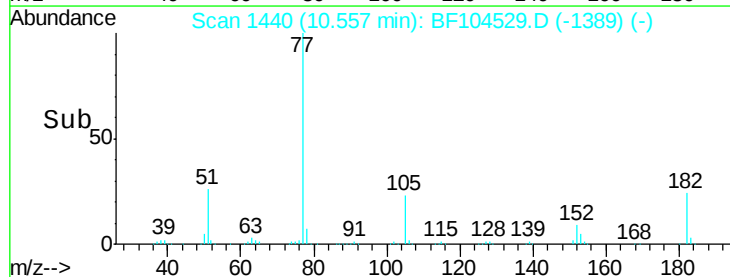
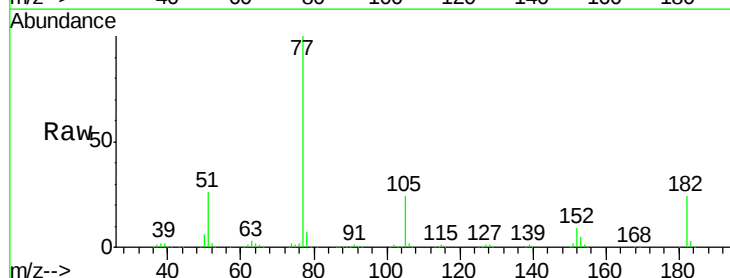
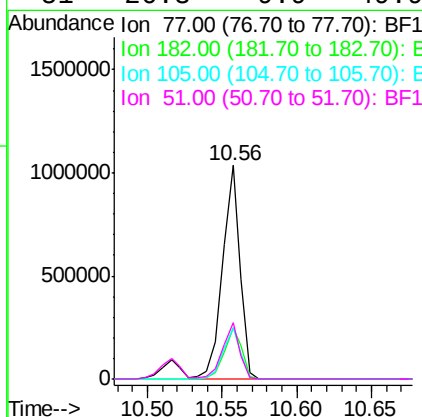
RT: 10.56 min Scan# 1440

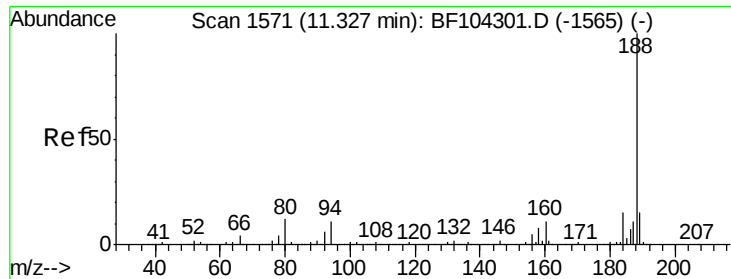
Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 858823 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 24.1  | 1.7   | 41.7   |
| 105       | 23.8  | 3.0   | 43.0   |
| 51        | 26.3  | 9.9   | 49.9   |





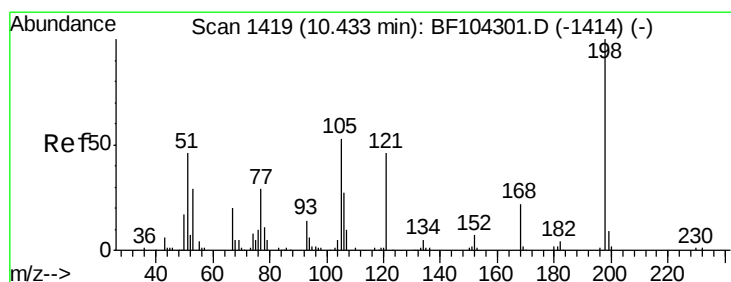
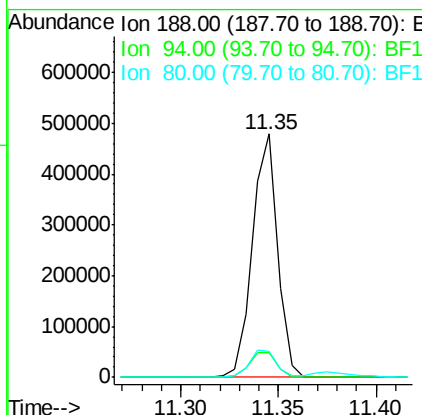
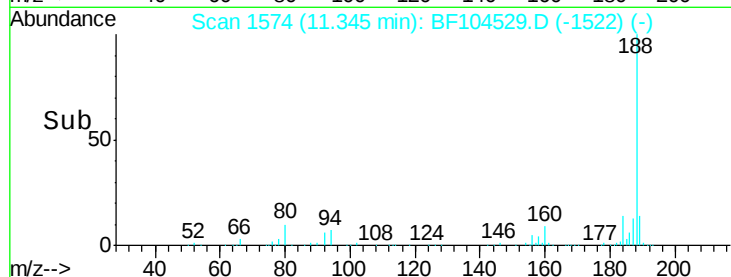
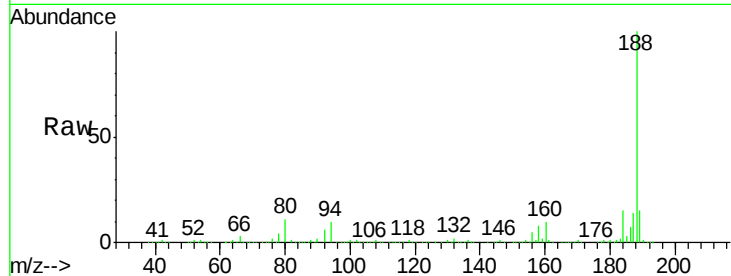
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 10.1  | 8.5        | 12.7  |
| 80      | 10.6  | 9.2        | 13.8  |

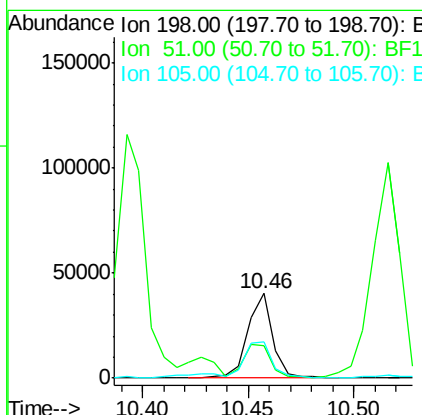
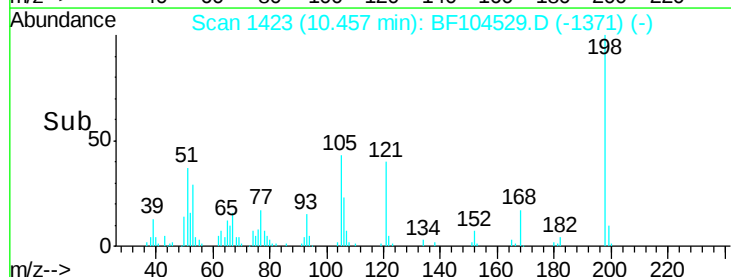
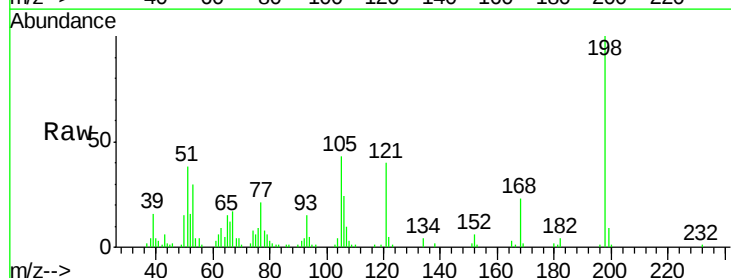
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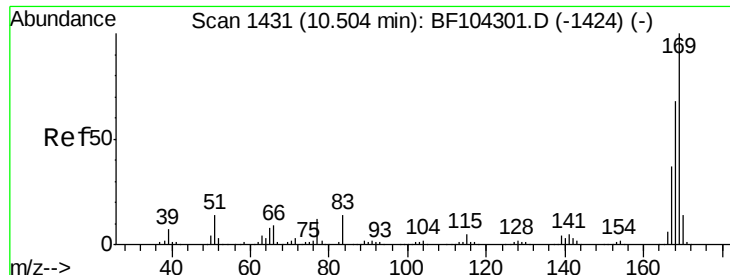
Sohil  
4/17/2018 10:08:47 AM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 20.625 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 38.3  | 37.7       | 77.7  |
| 105     | 42.8  | 36.3       | 76.3  |





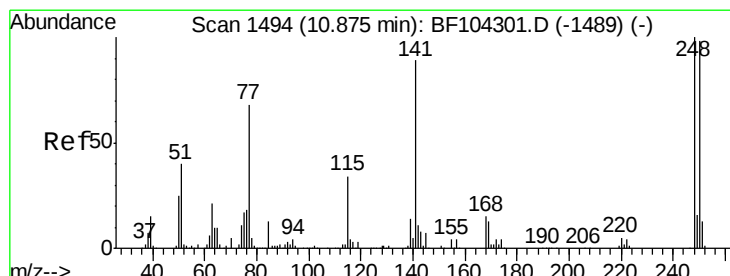
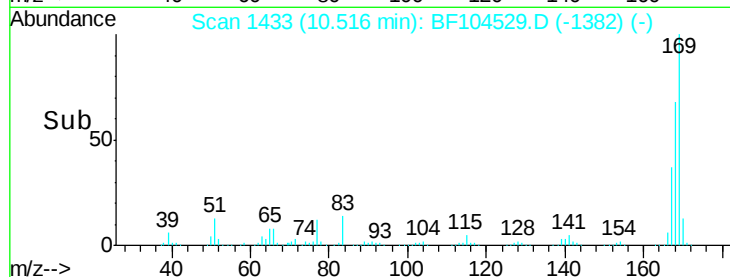
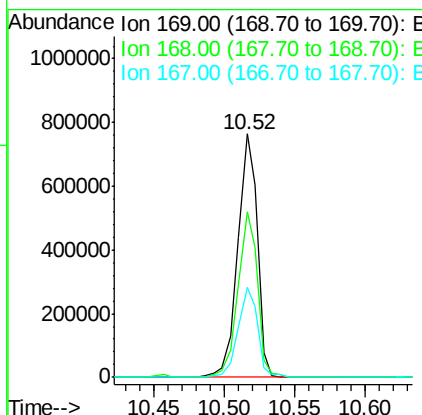
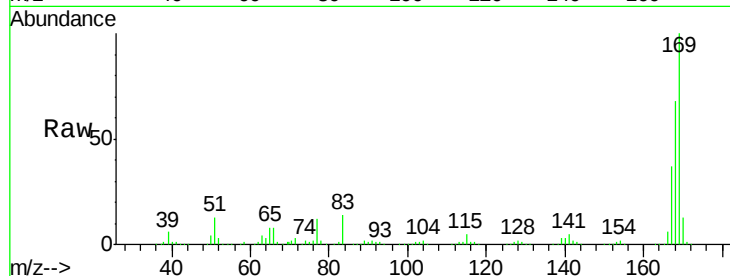
#65  
n-Nitrosodiphenylamine  
Concen: 49.254 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 730617 |       |       |
| 168     | 68.2  |        | 54.4  | 81.6  |
| 167     | 37.0  |        | 29.8  | 44.6  |

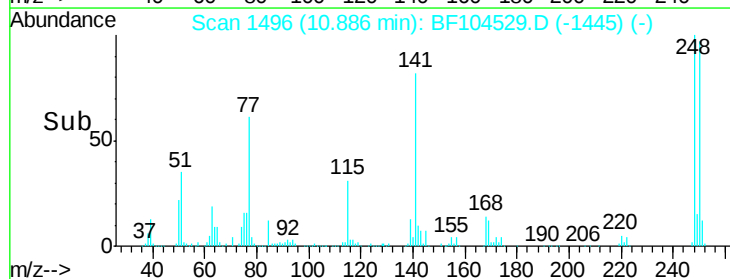
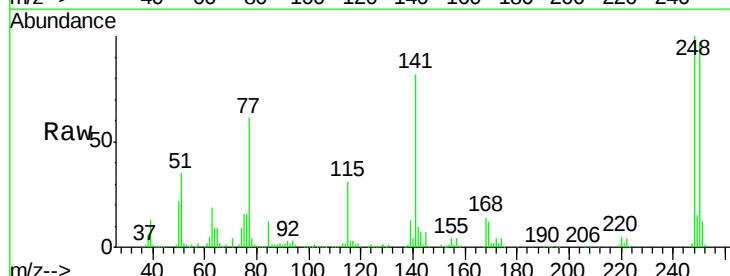
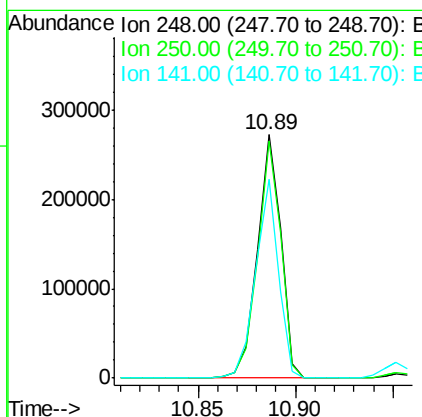
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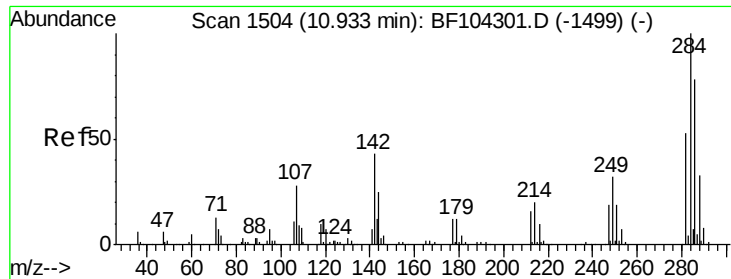
Sohil  
4/17/2018 10:08:47 AM



#66  
4-Bromophenyl-phenylether  
Concen: 49.934 ng  
RT: 10.89 min Scan# 1496  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 227234 |       |       |
| 250     | 97.3  |        | 76.9  | 115.3 |
| 141     | 81.6  |        | 74.4  | 111.6 |





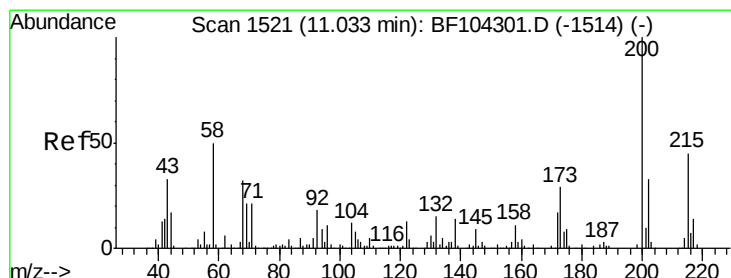
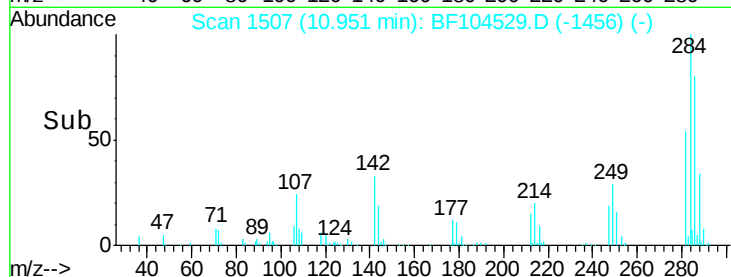
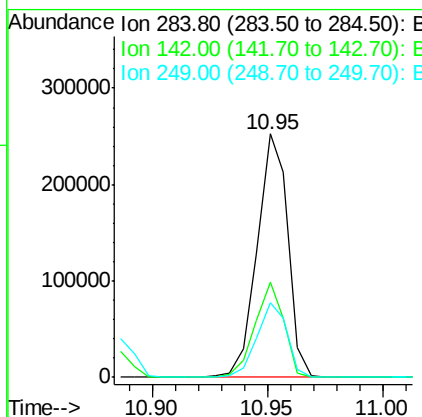
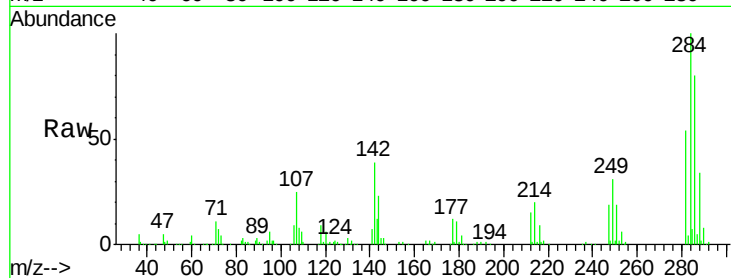
#67  
Hexachlorobenzene  
Concen: 45.597 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 233475 |       |       |
| 142     | 39.0  |        | 34.6  | 52.0  |
| 249     | 30.8  |        | 24.8  | 37.2  |

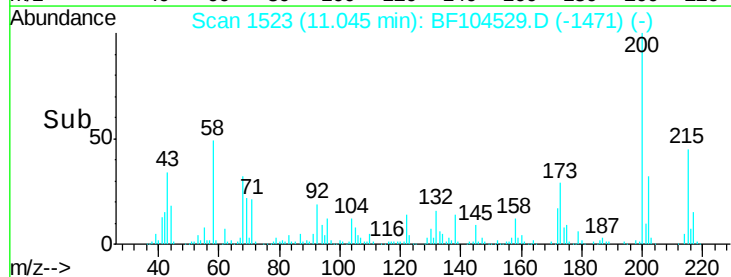
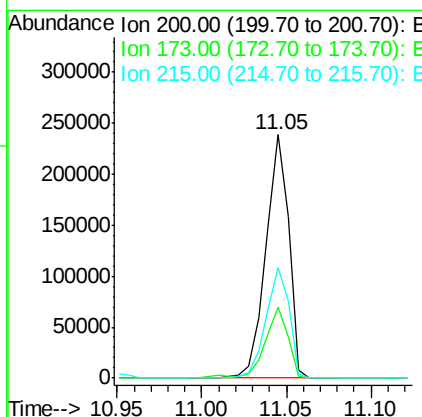
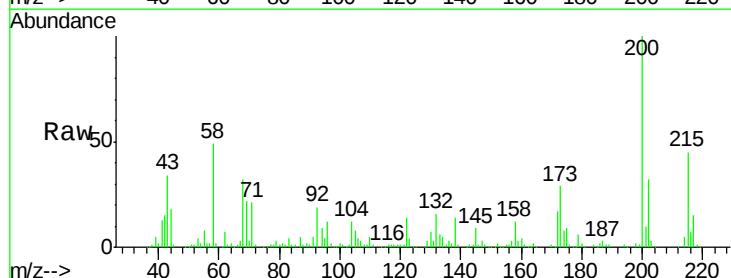
Manual Integrations  
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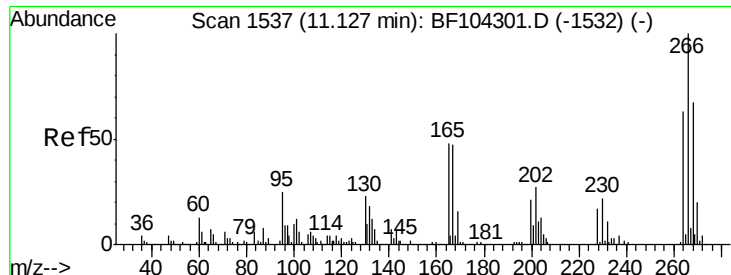
Sohil  
4/17/2018 10:08:47 AM



#68  
Atrazine  
Concen: 49.683 ng  
RT: 11.05 min Scan# 1523  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 222454 |       |       |
| 173     | 29.2  |        | 8.6   | 48.6  |
| 215     | 45.3  |        | 25.1  | 65.1  |





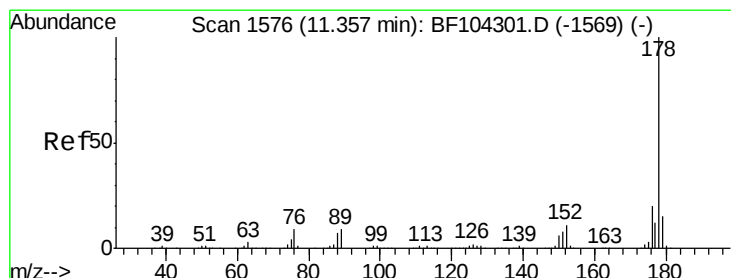
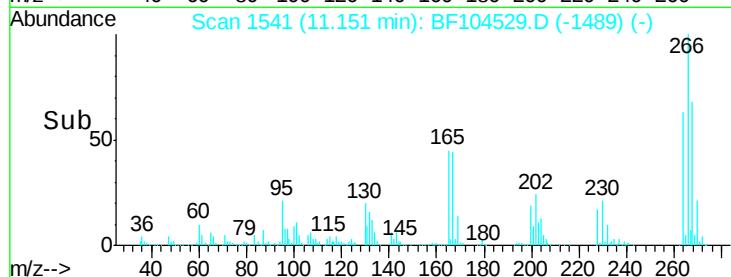
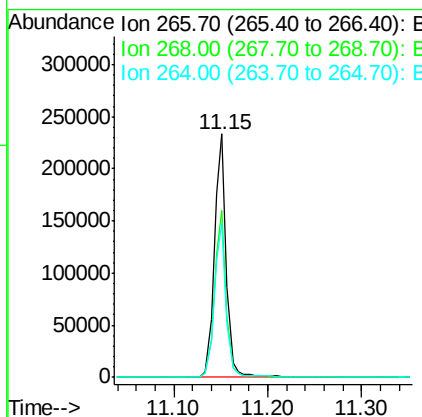
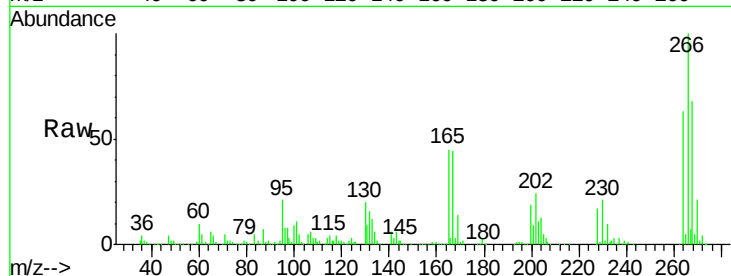
#69  
 Pentachlorophenol  
 Concen: 66.579 ng  
 RT: 11.15 min Scan# 1541  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 68.3  | 51.1  | 76.7  |
| 264     | 63.0  | 49.5  | 74.3  |

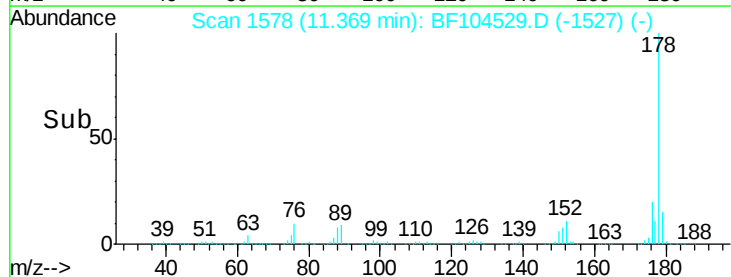
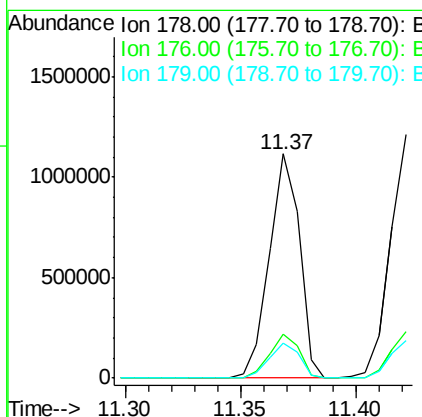
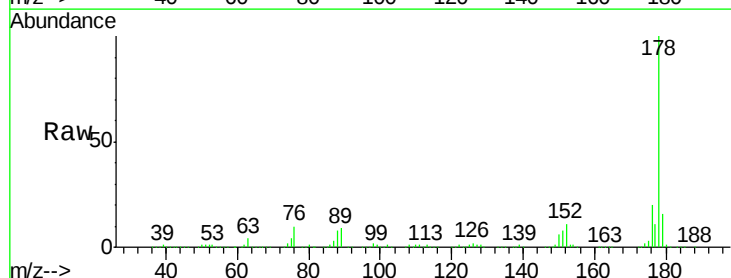
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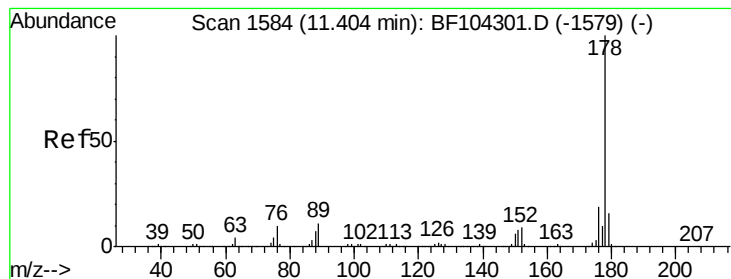
Sohil  
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#70  
 Phenanthrene  
 Concen: 42.819 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 15.7  | 13.0  | 19.6  |





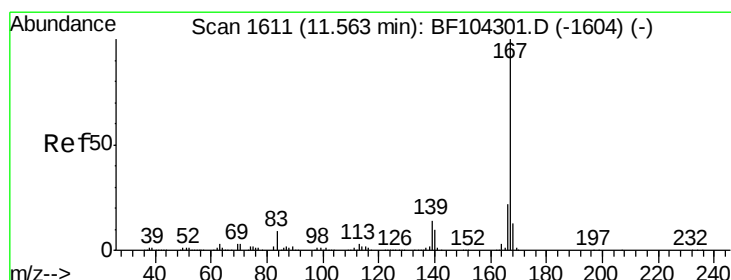
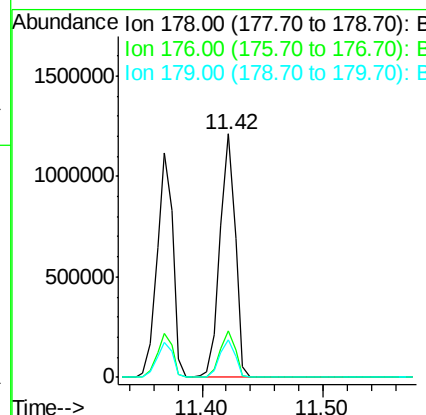
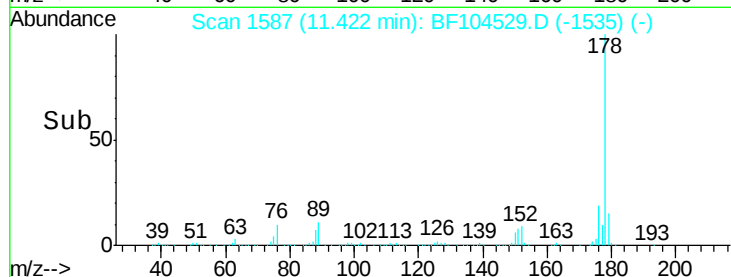
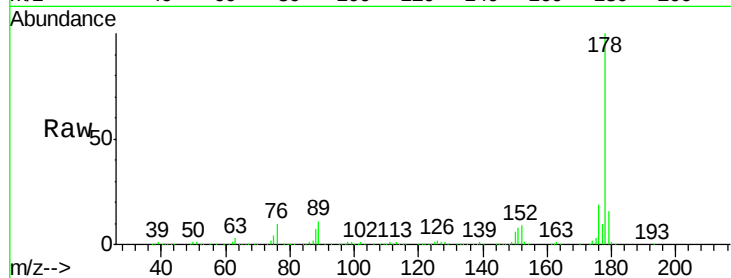
#71  
 Anthracene  
 Concen: 43.207 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

Tot Ion:178 Resp: 1046407  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.2  
 179 15.6 12.6 19.0

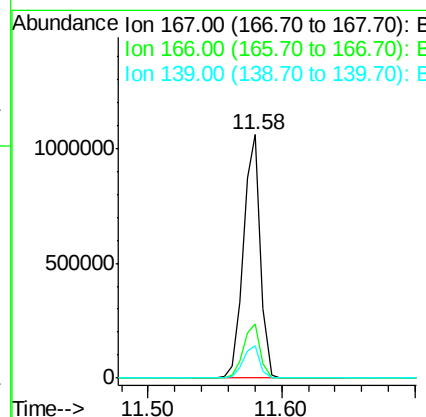
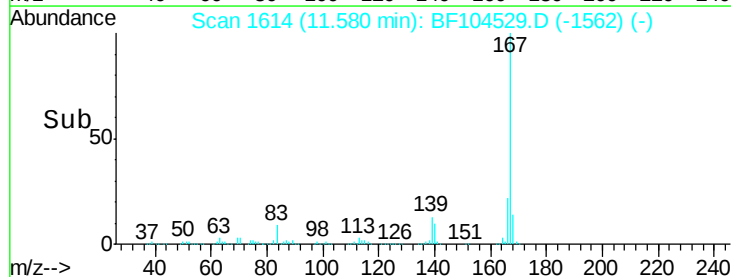
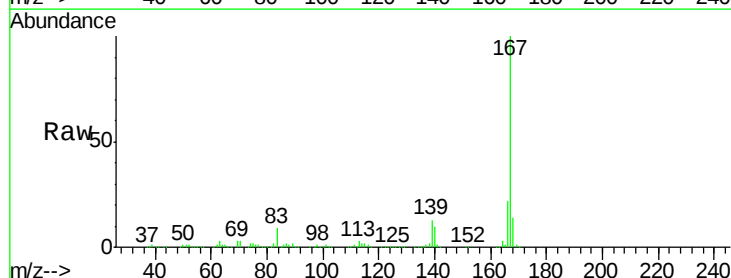
Manual Integrations  
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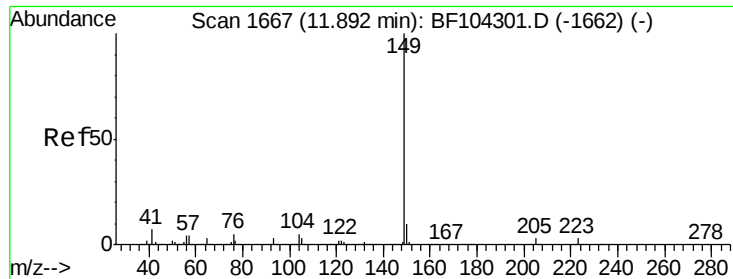
Sohil  
 4/17/2018 10:08:47 AM



#72  
 Carbazole  
 Concen: 39.598 ng  
 RT: 11.58 min Scan# 1614  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Tgt Ion:167 Resp: 937120  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.6 26.4  
 139 13.4 10.9 16.3





#73

Di-n-butylphthalate

Concen: 44.508 ng

RT: 11.90 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

ClientSampleId :

PB108229BS

Tot Ion:149 Resp: 1286683

Ion Ratio Lower Upper

149 100

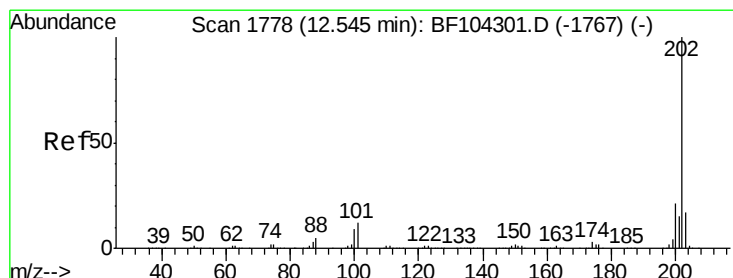
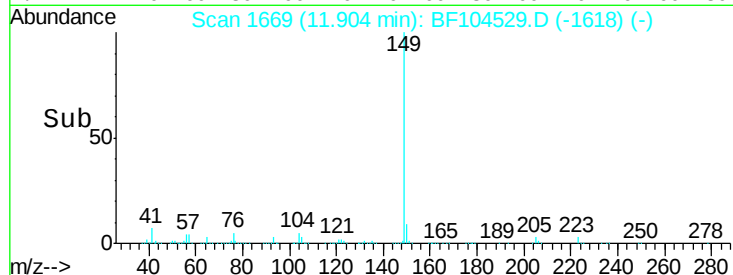
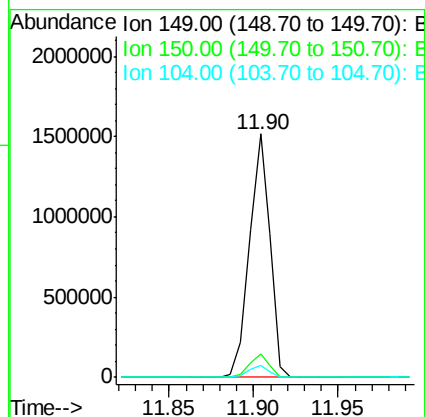
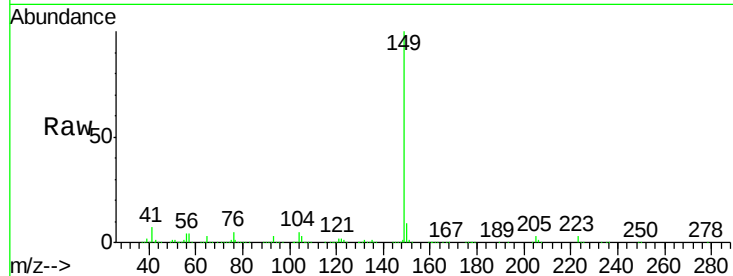
150 9.5 7.8 11.6

104 5.0 3.8 5.8

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#74

Fluoranthene

Concen: 36.151 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

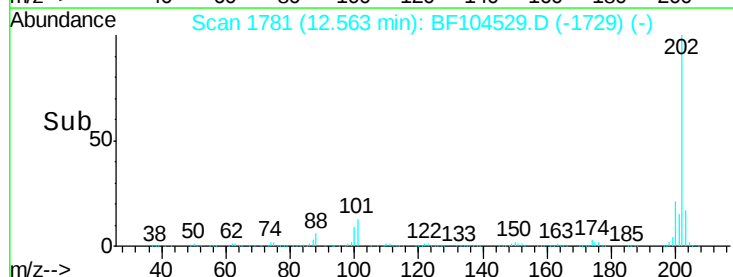
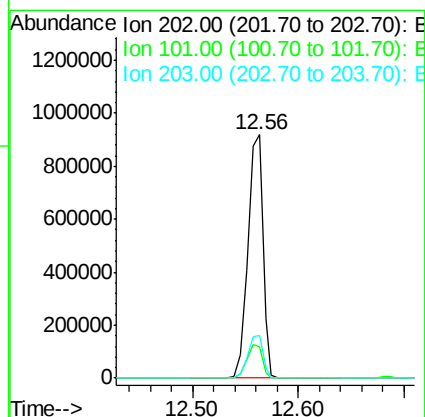
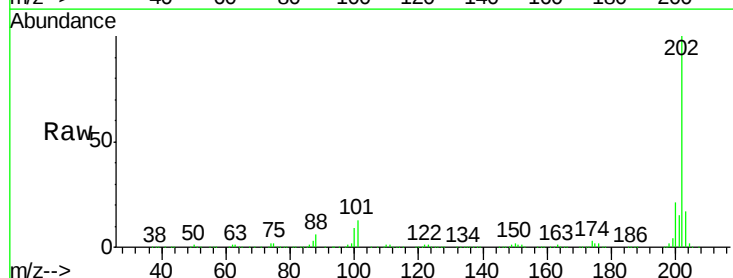
Tgt Ion:202 Resp: 899880

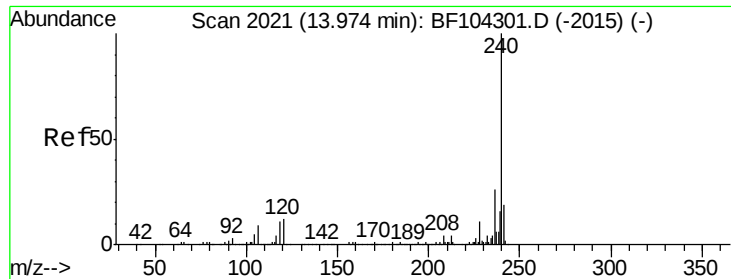
Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

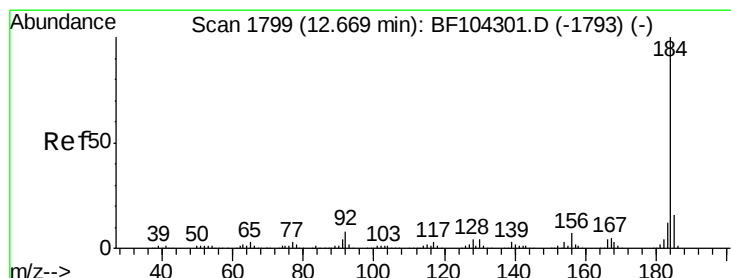
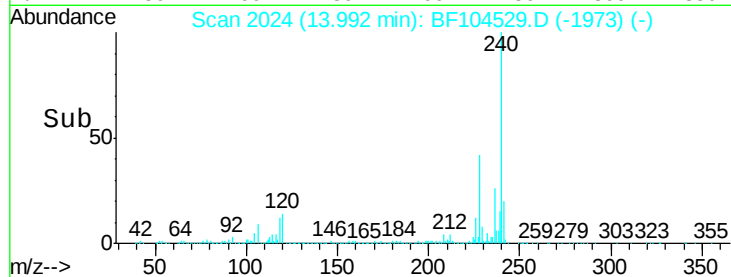
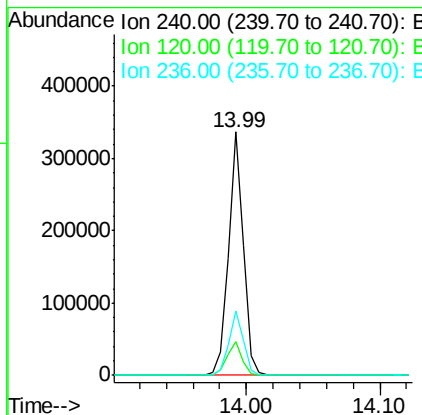
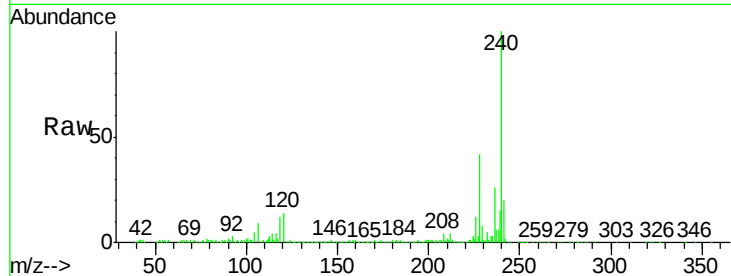
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 266113 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.9  | 9.5   | 14.3   |
| 236       | 26.5  | 20.7  | 31.1   |

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#76

Benzidine

Concen: Below Cal

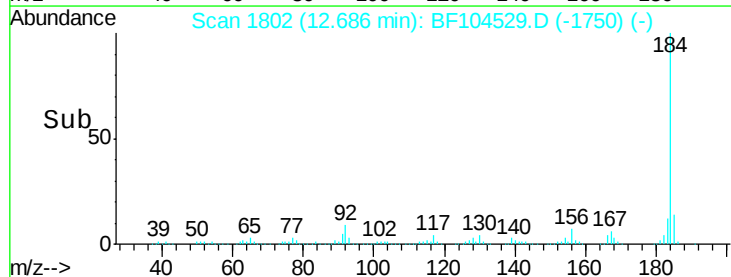
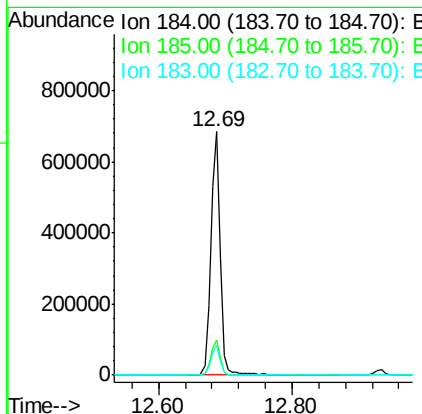
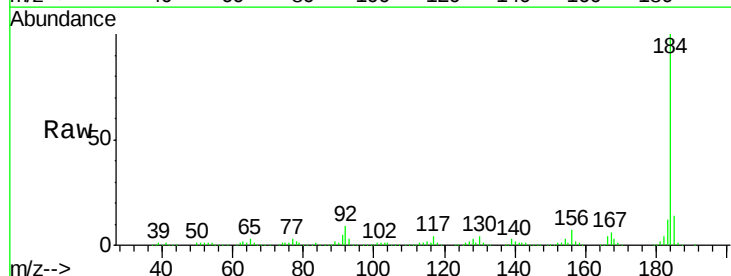
RT: 12.69 min Scan# 1802

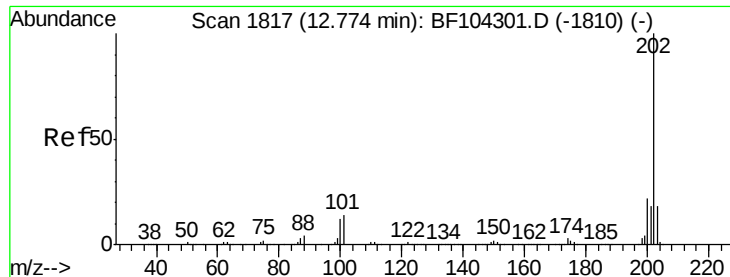
Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 674832 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 12.6  | 18.8   |
| 183       | 12.1  | 9.3   | 13.9   |





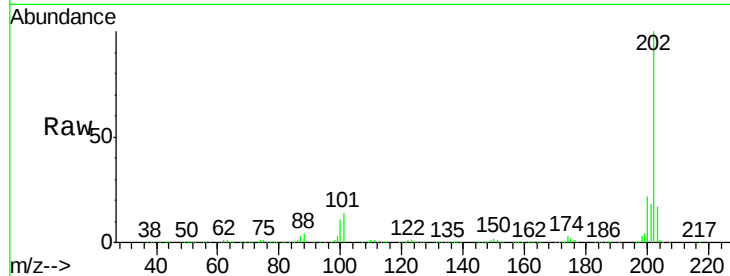
#77  
Pvrene  
Concen: 44.598 ng  
RT: 12.79 min Scan# 1820  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 879706 |       |       |
| 200     | 21.5  |        | 17.4  | 26.2  |
| 203     | 17.5  |        | 14.3  | 21.5  |

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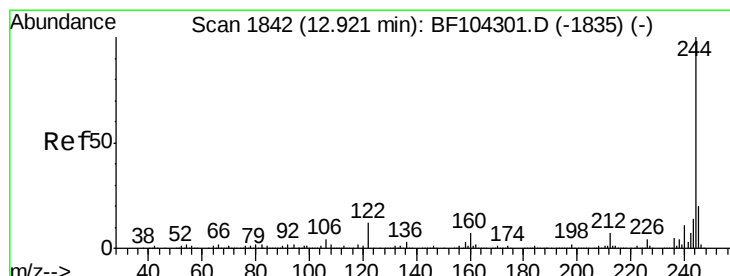
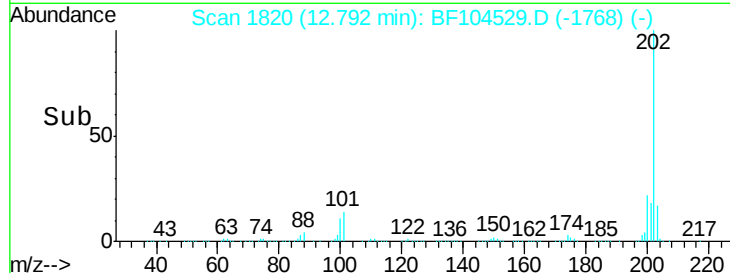
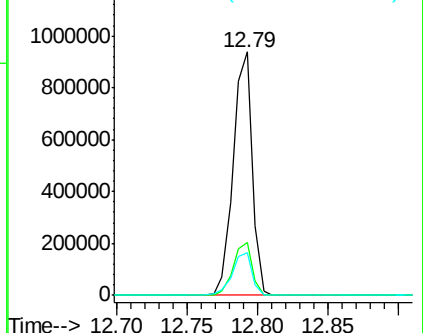


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78  
Terphenyl-d14  
Concen: 89.881 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

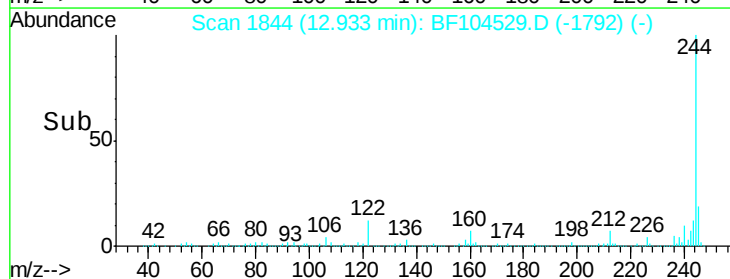
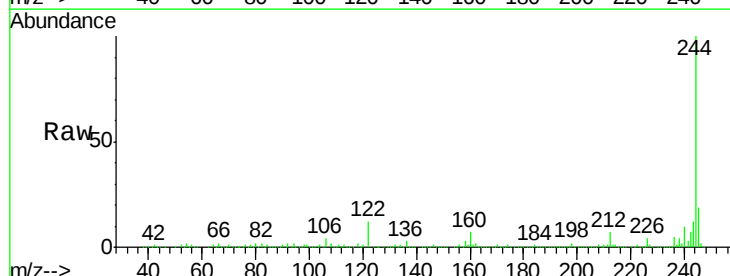
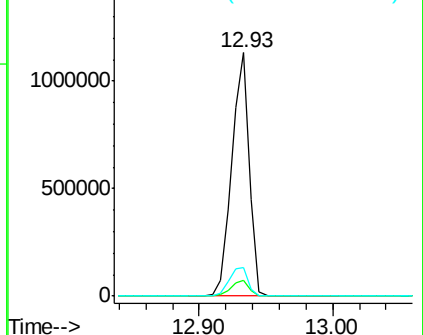
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 244     | 100   | 1049130 |       |       |
| 212     | 6.7   |         | 5.4   | 8.0   |
| 122     | 11.9  |         | 11.0  | 16.4  |

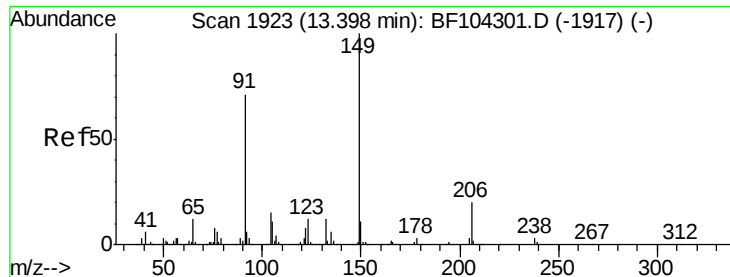
Abundance

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





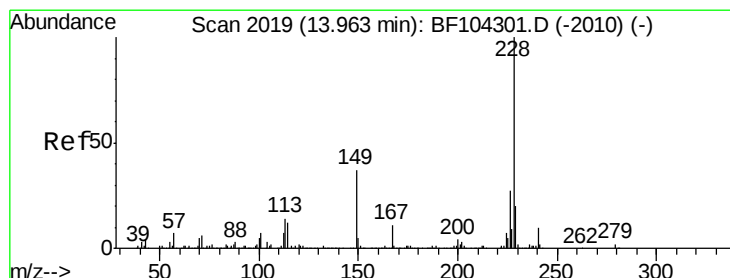
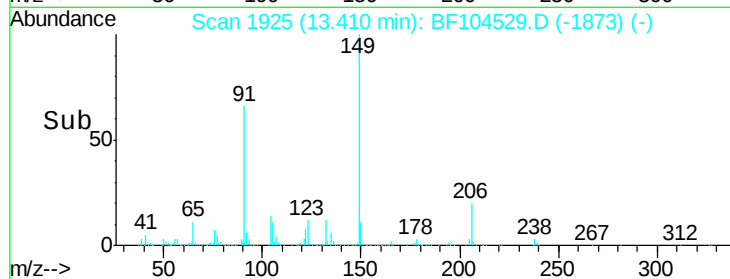
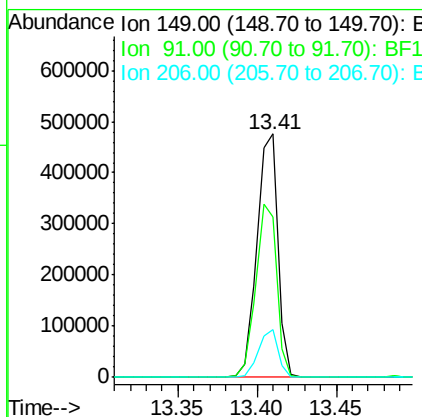
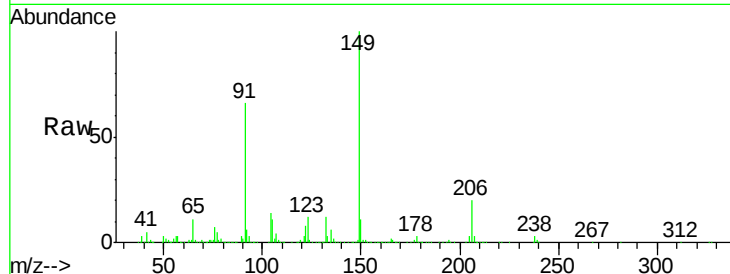
#79  
Butylbenzylphthalate  
Concen: 47.201 ng  
RT: 13.41 min Scan# 1925  
Delta R.T. 0.01 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 438628 |       |       |
| 91      | 65.6  | 56.8   | 85.2  |       |
| 206     | 19.9  | 14.1   | 21.1  |       |

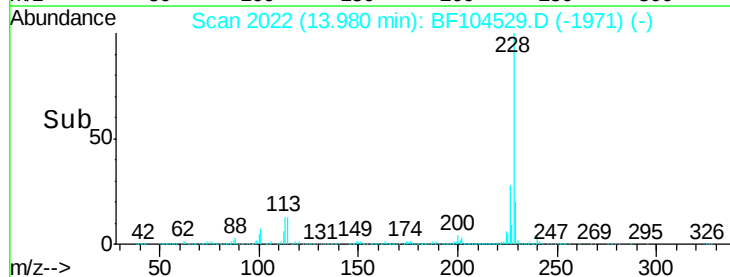
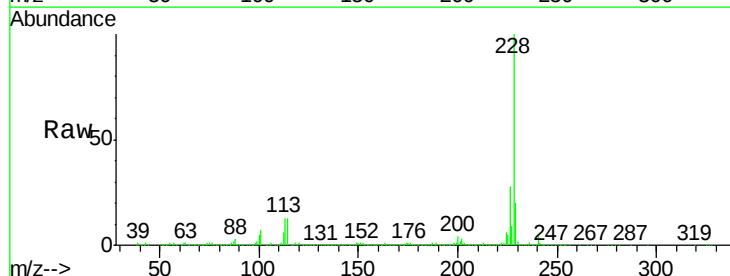
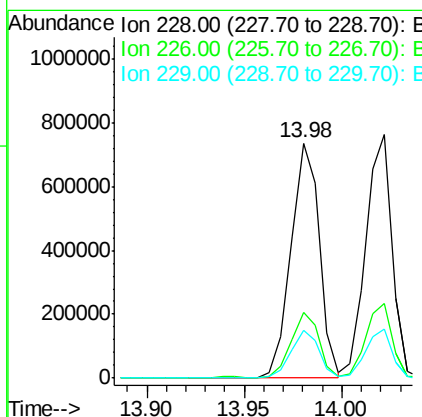
Manual Integrations  
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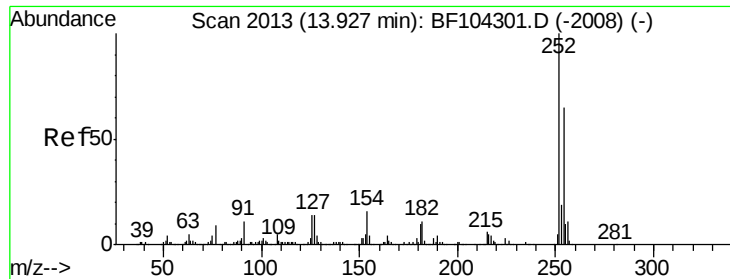
Sohil  
4/17/2018 10:08:47 AM



#80  
Benzo(a)anthracene  
Concen: 46.633 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 741368 |       |       |
| 226     | 27.7  | 22.6   | 33.8  |       |
| 229     | 20.5  | 15.8   | 23.6  |       |





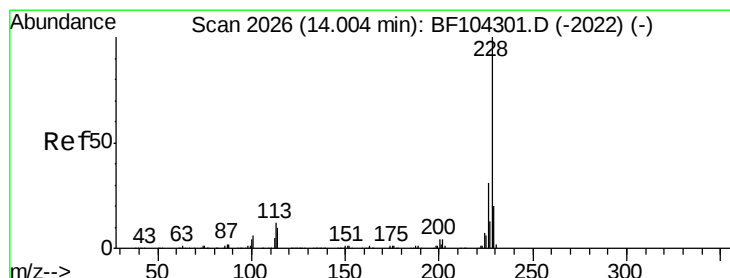
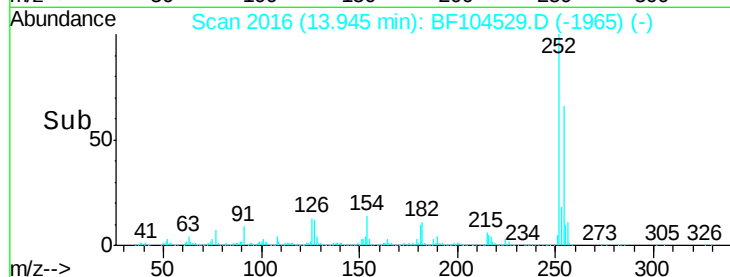
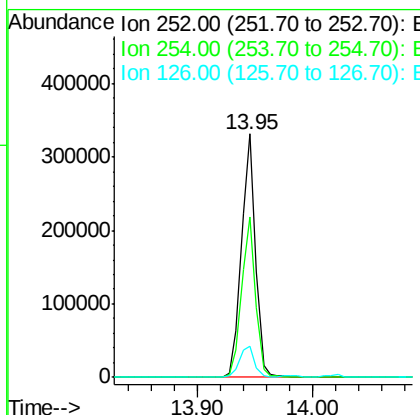
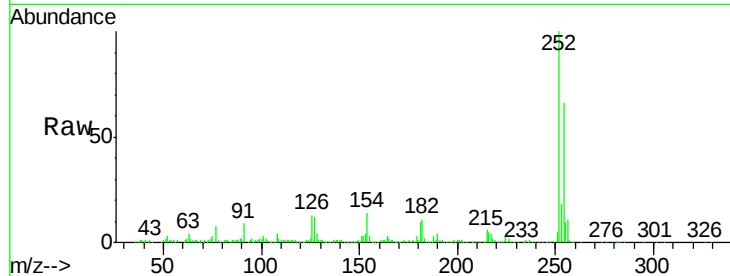
#81  
 3,3'-Dichlorobenzidine  
 Concen: 47.618 ng  
 RT: 13.95 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 282258 |       |       |
| 254     | 65.8  |        | 50.4  | 75.6  |
| 126     | 12.9  |        | 11.3  | 16.9  |

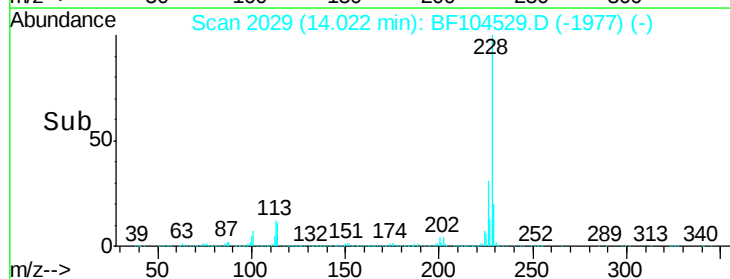
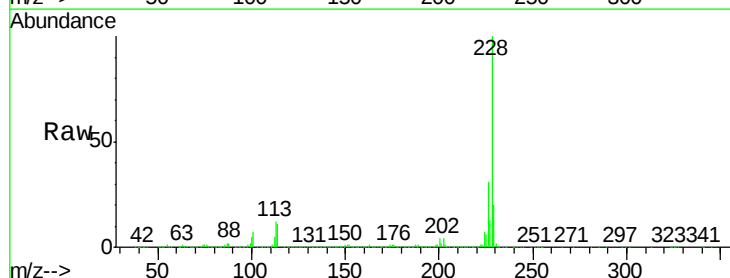
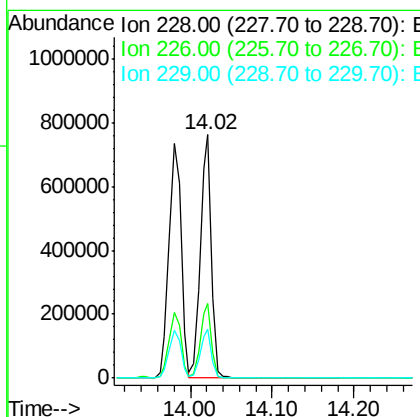
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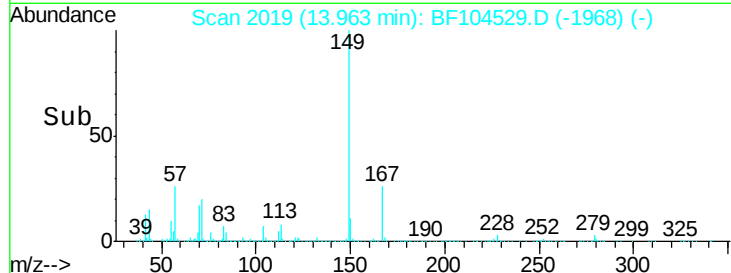
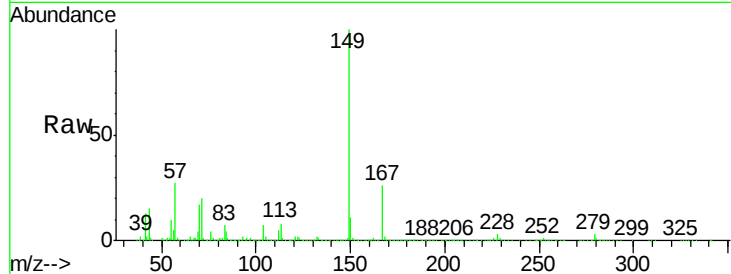
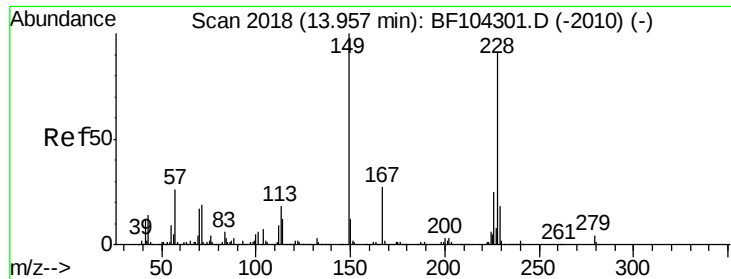
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#82  
 Chrysene  
 Concen: 44.035 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 719067 |       |       |
| 226     | 30.8  |        | 25.0  | 37.6  |
| 229     | 19.9  |        | 16.2  | 24.4  |





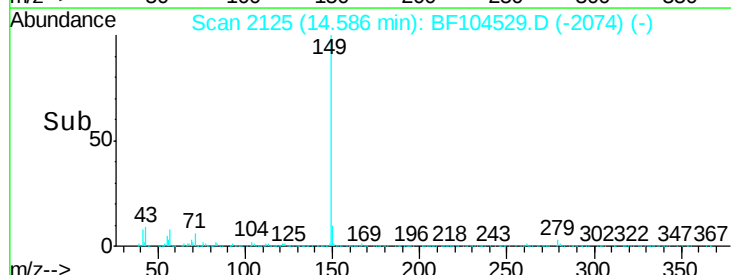
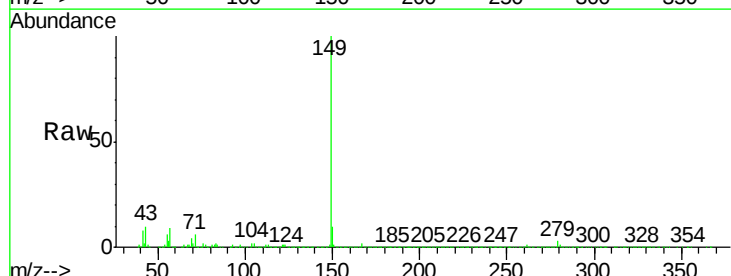
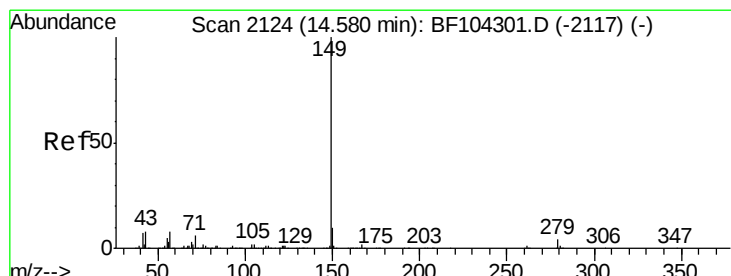
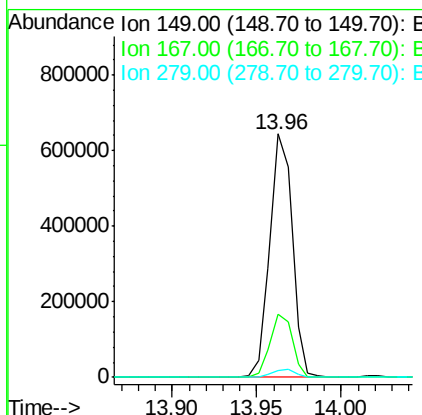
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 49.659 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB108229BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 593575 |       |       |
| 167     | 25.8  |        | 21.3  | 31.9  |
| 279     | 3.0   |        | 3.0   | 4.4   |

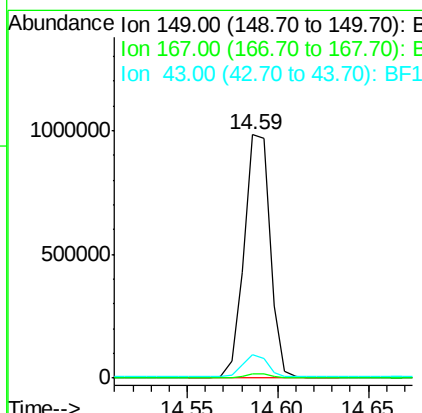
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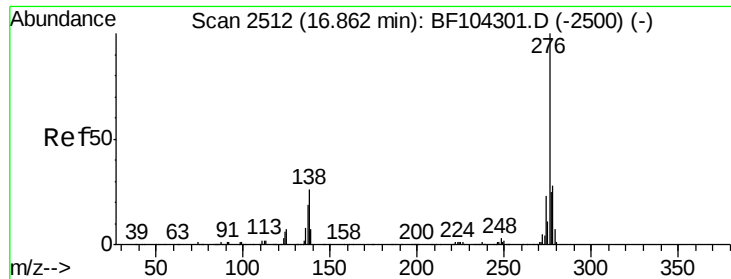
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#84  
Di-n-octyl phthalate  
Concen: 48.925 ng  
RT: 14.59 min Scan# 2125  
Delta R.T. 0.00 min  
Lab File: BF104529.D  
Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 977138 |       |       |
| 167     | 1.5   |        | 1.2   | 1.8   |
| 43      | 8.7   |        | 8.4   | 12.6  |





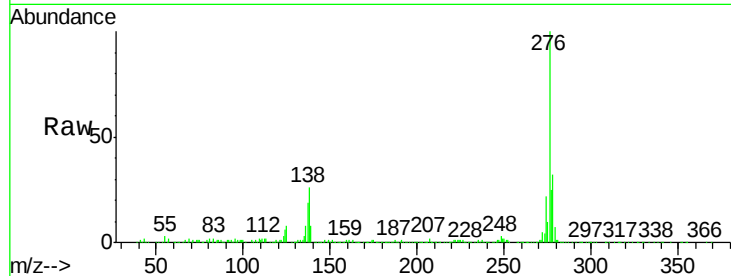
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.996 ng  
 RT: 16.92 min Scan# 2522  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB108229BS

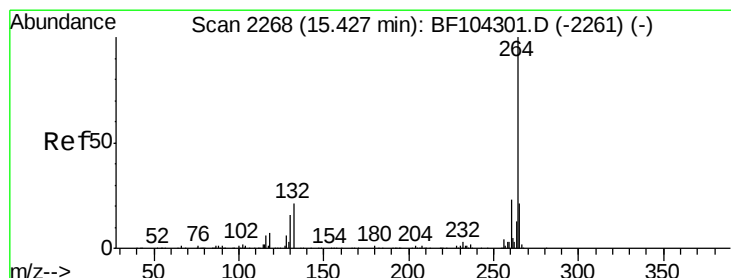
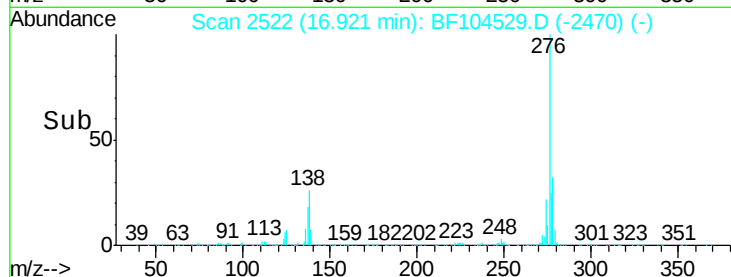
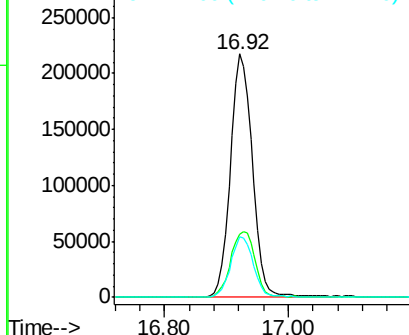
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.5  | 25.0  | 37.6  |
| 277     | 25.2  | 20.1  | 30.1  |

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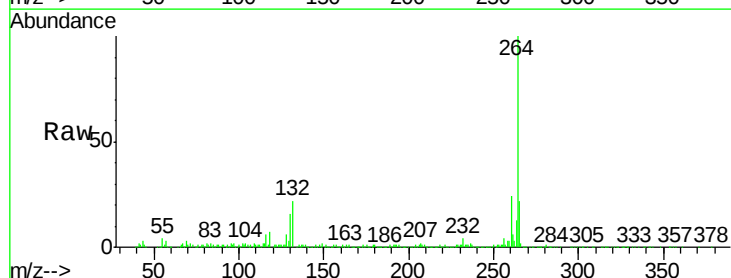


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

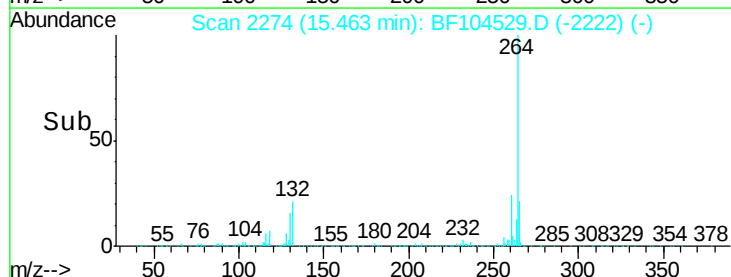
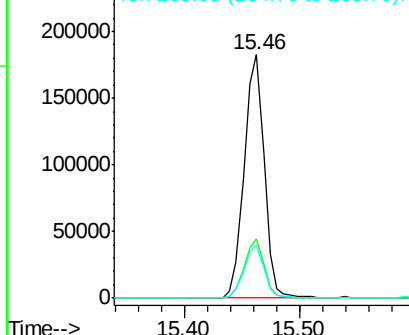


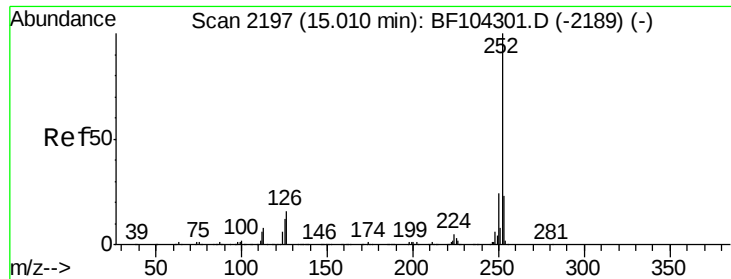
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |



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





#87

Benzo(b)fluoranthene

Concen: 48.212 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

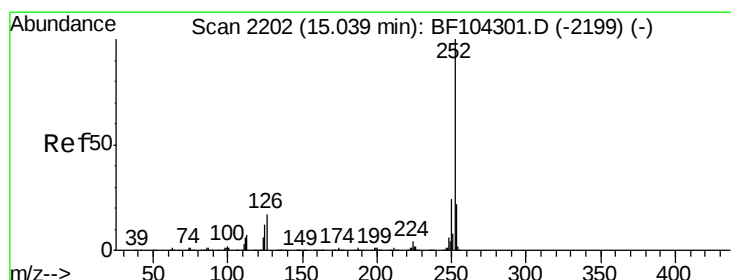
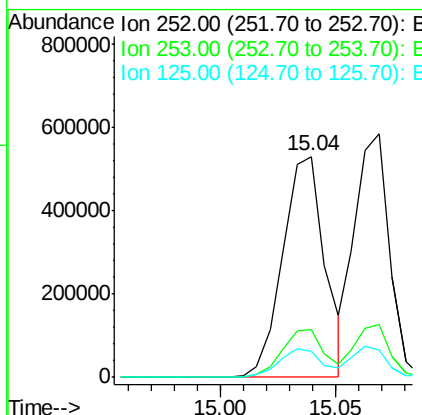
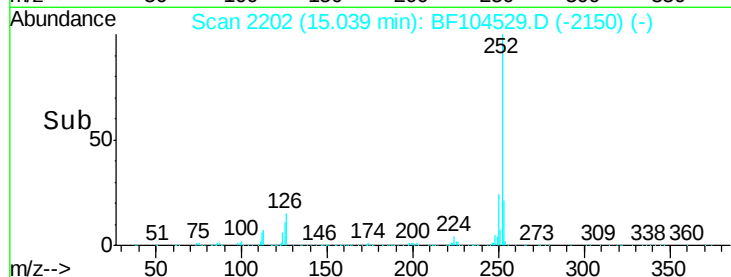
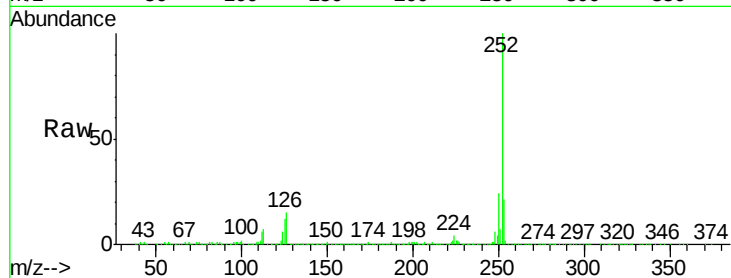
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 673082 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.3  | 17.0  | 25.6   |
| 125       | 11.5  | 9.0   | 13.6   |

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#88

Benzo(k)fluoranthene

Concen: 46.784 ng

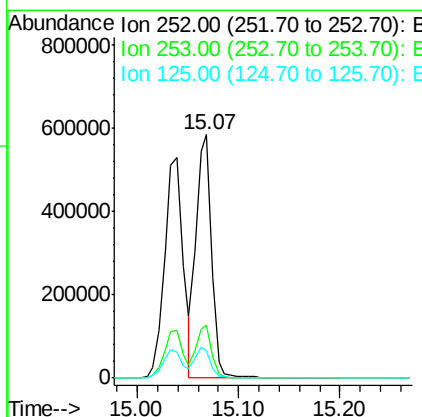
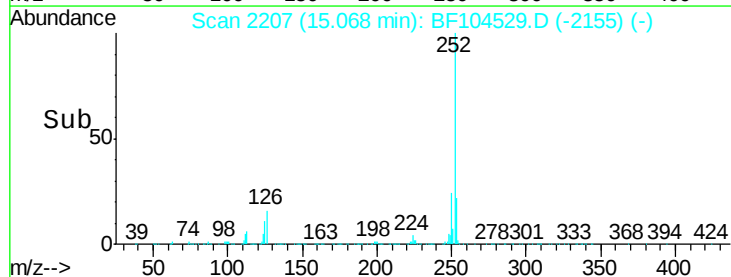
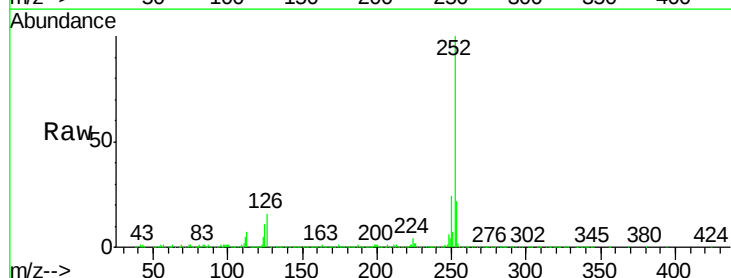
RT: 15.07 min Scan# 2207

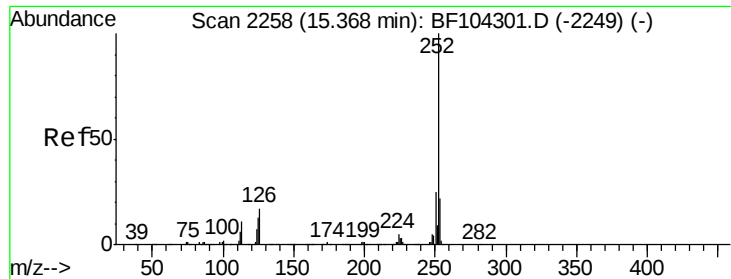
Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 616637 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.6  | 17.9  | 26.9   |
| 125       | 11.2  | 10.2  | 15.2   |





#89

Benzo(a)pyrene

Concen: 46.901 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

Instrument :

BNA\_F

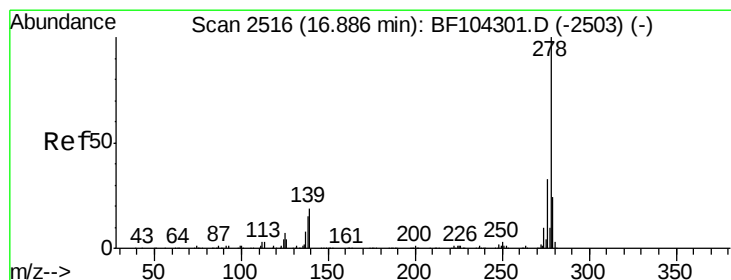
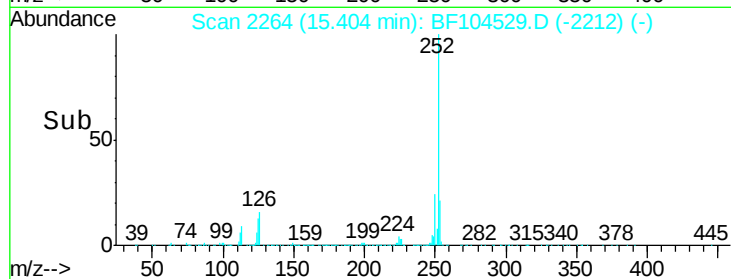
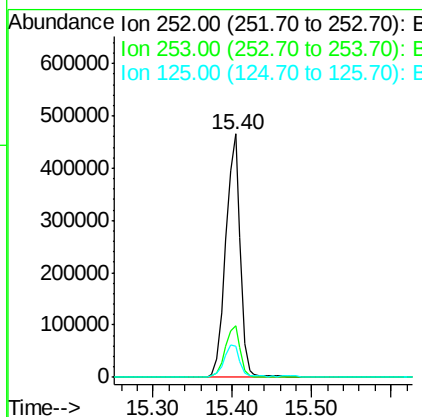
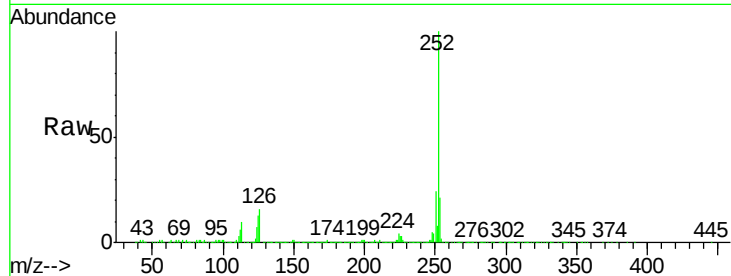
ClientSampleId :

PB108229BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 585871 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.2  | 17.1  | 25.7   |
| 125       | 13.0  | 9.8   | 14.6   |

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#90

Dibenzo(a,h)anthracene

Concen: 44.304 ng

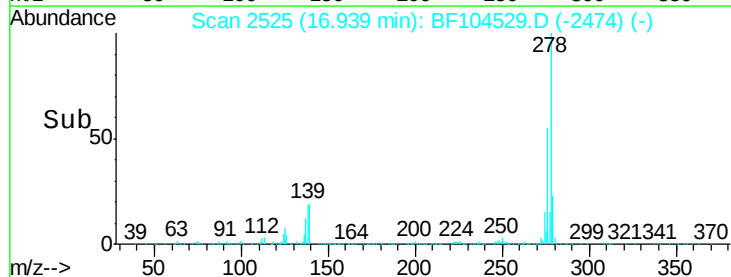
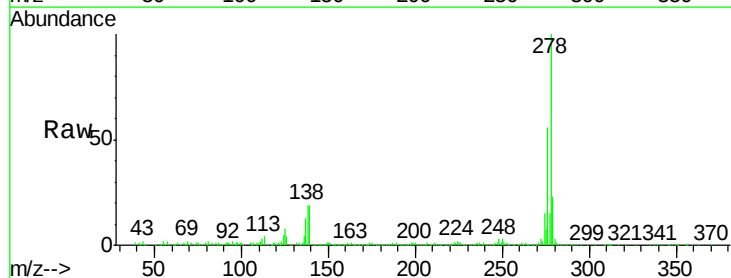
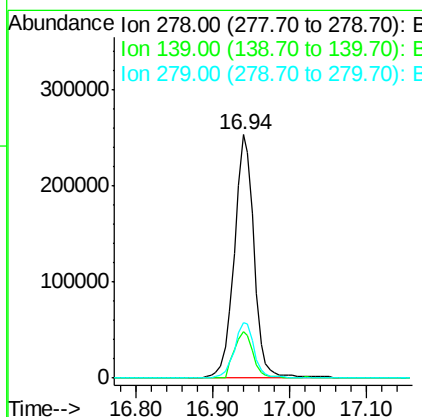
RT: 16.94 min Scan# 2525

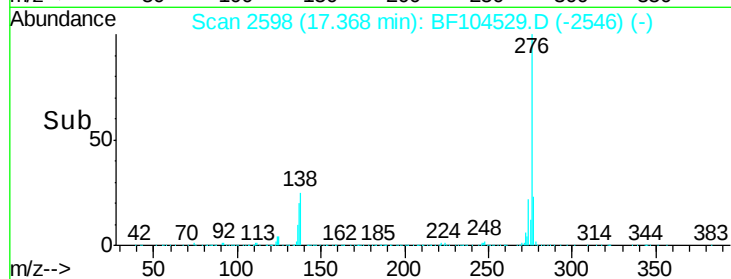
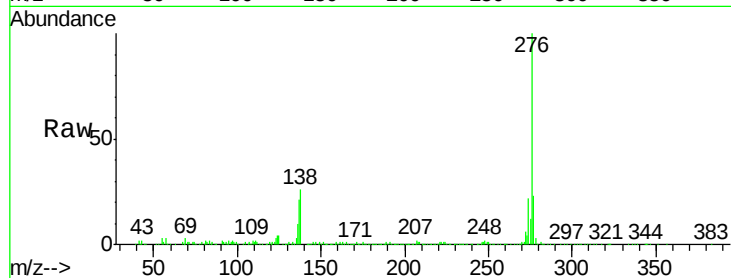
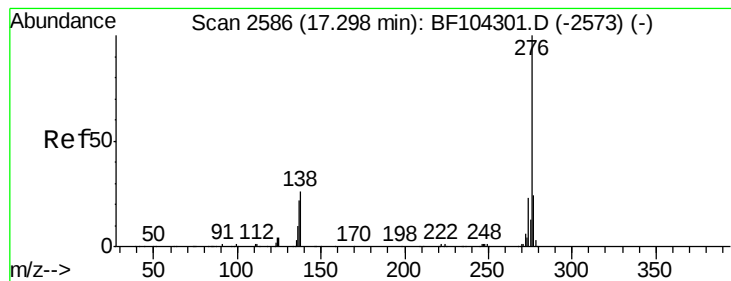
Delta R.T. 0.00 min

Lab File: BF104529.D

Acq: 16 Apr 2018 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 454531 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 19.0  | 15.9  | 23.9   |
| 279       | 23.0  | 19.0  | 28.4   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 43.645 ng  
 RT: 17.37 min Scan# 2598  
 Delta R.T. 0.01 min  
 Lab File: BF104529.D  
 Acq: 16 Apr 2018 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108229BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.9  | 17.9  | 26.9  |
| 138     | 25.6  | 21.8  | 32.8  |

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