

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
 Data File : BF092968.D  
 Acq On : 15 Feb 2017 23:09  
 Operator : SJ/MA  
 Sample : I1816-01MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

Manual Integrations  
 APPROVED

mohammad  
 2/16/2017 11:37:57 AM

Quant Time: Feb 16 07:34:09 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 13 18:04:38 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 163571   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.17  | 136  | 657702   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 355450   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.39 | 188  | 517729   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.03 | 240  | 370719   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.46 | 264  | 323005   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 1339682 | 140.51 | ng | 0.00  |
| 7) Phenol-d6             | 6.52  | 99  | 1713947 | 139.72 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 1080826 | 91.51  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 310280  | 120.69 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.24  | 172 | 1888074 | 96.23  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.98 | 244 | 1438081 | 91.15  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.52 | 88  | 205320  | 39.85 | ng | # 82   |
| 3) Pyridine                    | 3.25 | 79  | 532776  | 40.67 | ng | 86     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 307654  | 50.02 | ng | 90     |
| 6) Aniline                     | 6.54 | 93  | 229032  | 13.69 | ng | # 52   |
| 8) 2-Chlorophenol              | 6.66 | 128 | 510156  | 48.50 | ng | 92     |
| 9) Benzaldehyde                | 6.42 | 77  | 133873  | 15.23 | ng | 97     |
| 10) Phenol                     | 6.53 | 94  | 681799  | 47.50 | ng | # 79   |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 525144  | 45.84 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 587987  | 47.73 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 566329  | 45.42 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 570070  | 47.81 | ng | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 438815  | 48.32 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45  | 979989  | 49.24 | ng | 95     |
| 17) 2-Methylphenol             | 7.14 | 107 | 457232  | 50.67 | ng | 97     |
| 18) Hexachloroethane           | 7.39 | 117 | 206485  | 48.51 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 356419  | 45.64 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 547586  | 50.75 | ng | 95     |
| 22) Acetophenone               | 7.29 | 105 | 711296  | 47.37 | ng | 95     |
| 24) Nitrobenzene               | 7.47 | 77  | 631329  | 52.06 | ng | # 86   |
| 25) Isophorone                 | 7.71 | 82  | 1108237 | 50.36 | ng | 99     |
| 26) 2-Nitrophenol              | 7.78 | 139 | 290578  | 50.41 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 489268  | 48.33 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 667006  | 45.76 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 487052  | 51.58 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 494185  | 48.57 | ng | 98     |
| 31) Naphthalene                | 8.19 | 128 | 1539718 | 46.18 | ng | 99     |
| 32) Benzoic acid               | 7.96 | 122 | 234846  | 41.99 | ng | 91     |
| 33) 4-Chloroaniline            | 8.24 | 127 | 71015   | 5.43  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 261512  | 46.71 | ng | 98     |
| 35) Caprolactam                | 8.61 | 113 | 145113m | 48.86 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 470852  | 47.83 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 1030804 | 48.15 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 423948  | 42.49 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 289672  | 64.35 | ng | 94     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 13 18:04:38 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.16  | 196  | 320206   | 48.84  | ng    | 94       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 327530   | 45.59  | ng #  | 82       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 1127943  | 43.82  | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.37  | 162  | 982477   | 48.80  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.46  | 65   | 273312   | 40.37  | ng    | 98       |
| 48) Acenaphthylene             | 9.78  | 152  | 1486910  | 42.75  | ng    | 99       |
| 49) Dimethylphthalate          | 9.64  | 163  | 1578668  | 65.94  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 267259   | 51.69  | ng #  | 82       |
| 51) Acenaphthene               | 9.95  | 154  | 922563   | 44.36  | ng    | 96       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 87985    | 14.87  | ng    | 88       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 175803   | 67.62  | ng #  | 92       |
| 54) Dibenzofuran               | 10.12 | 168  | 1264527  | 45.46  | ng    | 95       |
| 55) 4-Nitrophenol              | 10.05 | 139  | 404305   | 94.87  | ng #  | 65       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 323636   | 47.02  | ng    | 93       |
| 57) Fluorene                   | 10.46 | 166  | 975972   | 45.61  | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 237017   | 49.46  | ng    | 97       |
| 59) Diethylphthalate           | 10.34 | 149  | 1017615  | 45.10  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 441911   | 42.99  | ng #  | 86       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 222784   | 36.76  | ng    | 93       |
| 62) Azobenzene                 | 10.61 | 77   | 1063968m | 45.64  | ng    |          |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 137184   | 43.78  | ng    | 85       |
| 65) n-Nitrosodiphenylamine     | 10.58 | 169  | 875180   | 52.92  | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 275651   | 50.96  | ng #  | 80       |
| 67) Hexachlorobenzene          | 11.00 | 284  | 251997   | 47.14  | ng #  | 77       |
| 68) Atrazine                   | 11.10 | 200  | 285467   | 53.79  | ng    | 95       |
| 69) Pentachlorophenol          | 11.21 | 266  | 295967   | 104.81 | ng    | 97       |
| 70) Phenanthrene               | 11.43 | 178  | 1433959  | 48.34  | ng    | 98       |
| 71) Anthracene                 | 11.47 | 178  | 1296348  | 43.52  | ng    | 98       |
| 72) Carbazole                  | 11.63 | 167  | 1331297  | 46.76  | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 1544273  | 50.15  | ng    | 98       |
| 74) Fluoranthene               | 12.60 | 202  | 1257230  | 41.09  | ng    | 98       |
| 76) Benzidine                  | 12.73 | 184  | 314546   | 19.91  | ng    | 96       |
| 77) Pyrene                     | 12.83 | 202  | 1253492  | 45.18  | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 596247   | 52.92  | ng    | 94       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 936342   | 41.30  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 189461   | 23.44  | ng #  | 95       |
| 82) Chrysene                   | 14.05 | 228  | 885126m  | 41.69  | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 847079   | 54.98  | ng #  | 97       |
| 84) Di-n-octyl phthalate       | 14.61 | 149  | 1292825  | 51.53  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.88 | 276  | 952924   | 57.95  | ng #  | 94       |
| 87) Benzo(h)fluoranthene       | 15.05 | 252  | 899091m  | 42.29  | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.08 | 252  | 918440m  | 50.03  | ng    |          |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 861856   | 46.87  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.90 | 278  | 792303   | 53.31  | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.31 | 276  | 799003   | 53.21  | ng #  | 92       |

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

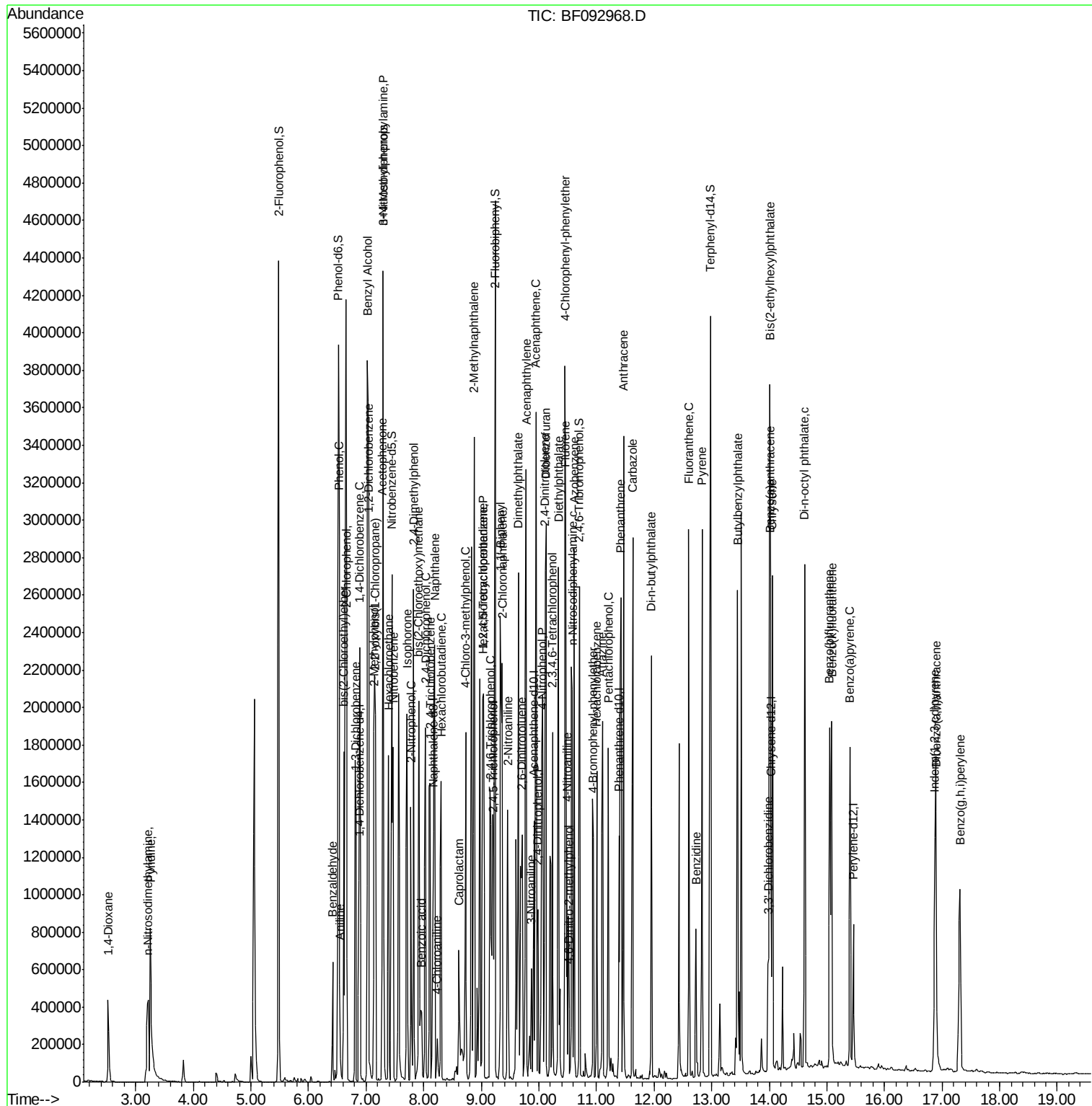
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092968.D  
Acq On : 15 Feb 2017 23:09  
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Sample : I1816-01MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

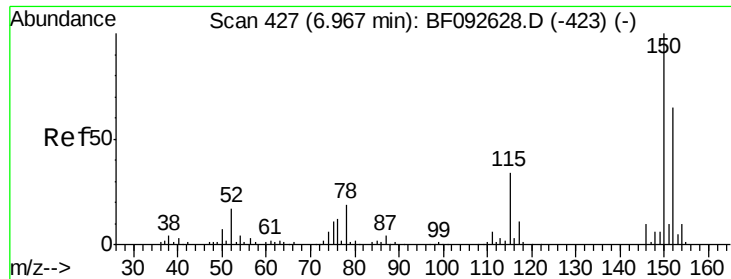
Instrument :  
BNA\_F  
ClientSampled :  
H-1MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

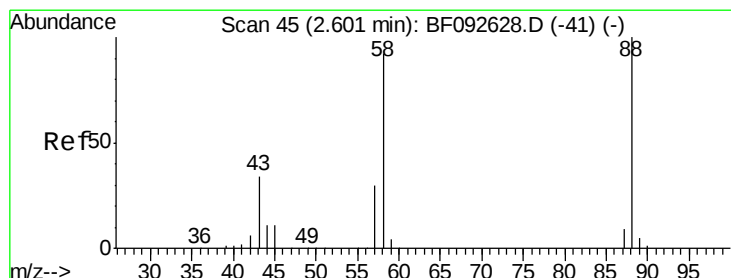
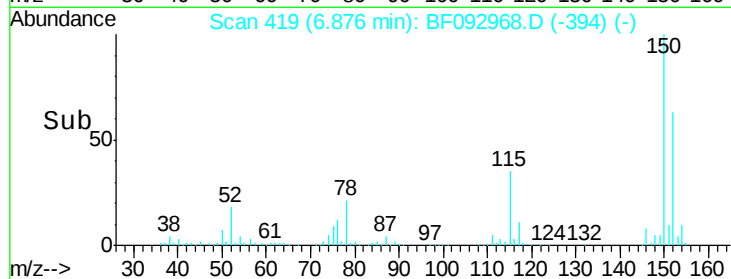
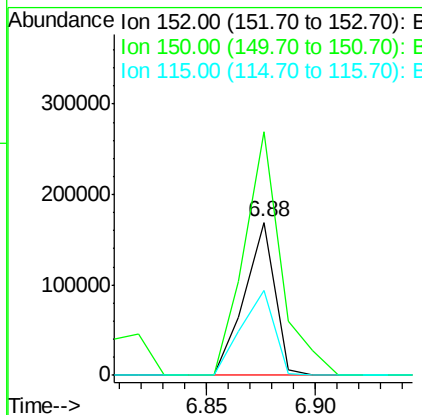
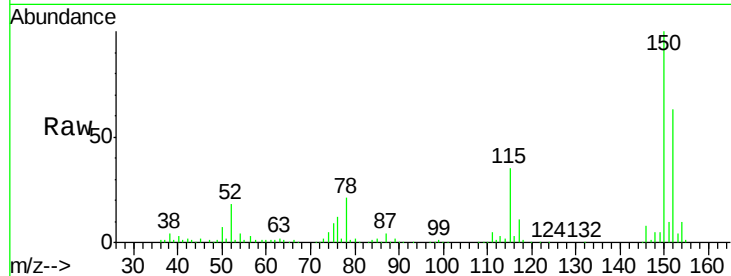
ClientSampleId :

H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.3 | 124.9 | 187.3 |
| 115     | 55.1  | 46.0  | 69.0  |

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#2

1,4-Dioxane

Concen: 39.85 ng

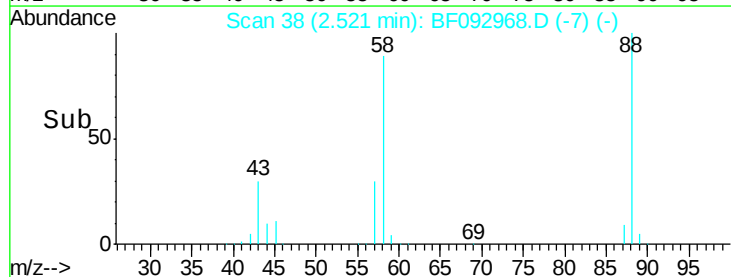
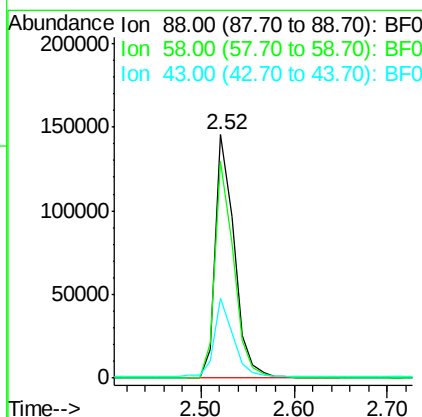
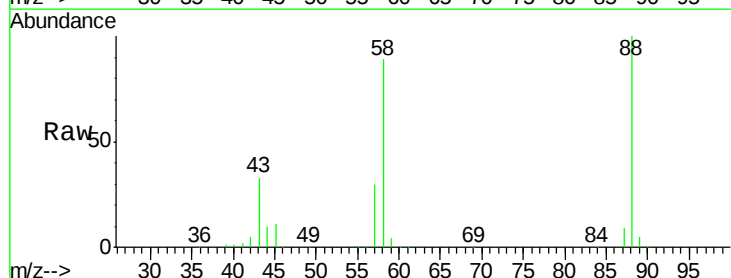
RT: 2.52 min Scan# 38

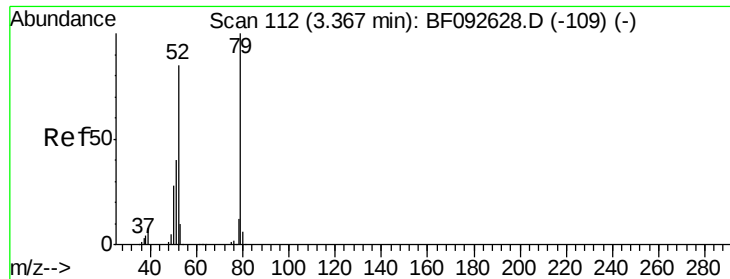
Delta R.T. 0.06 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 89.4  | 57.8  | 86.8# |
| 43      | 33.2  | 22.3  | 33.5  |





#3

Pyridine

Concen: 40.67 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

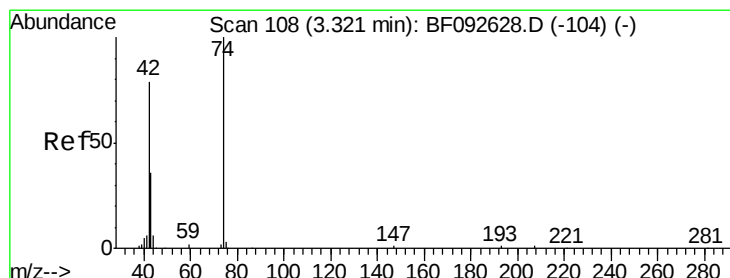
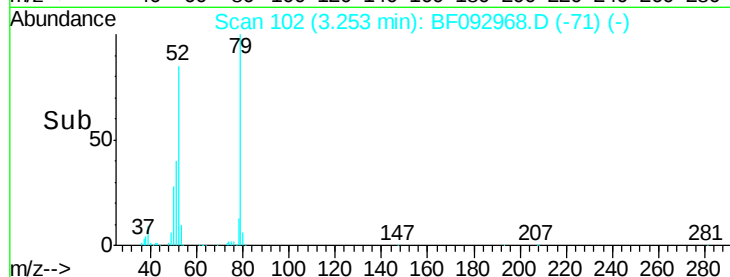
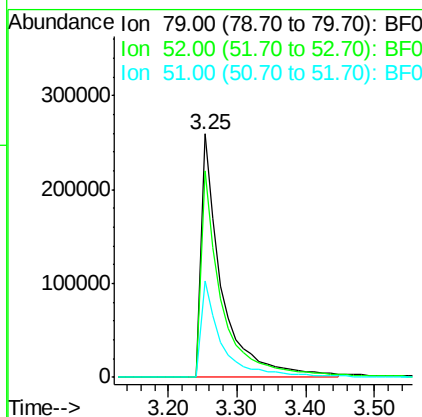
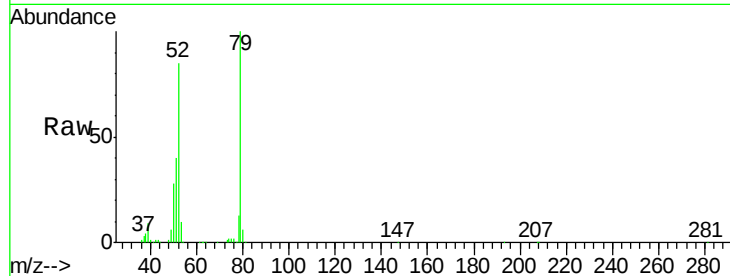
ClientSampleId :

H-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 532776 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 84.8  | 57.1  | 85.7   |
| 51       | 39.8  | 27.3  | 40.9   |

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#4

n-Nitrosodimethylamine

Concen: 50.02 ng

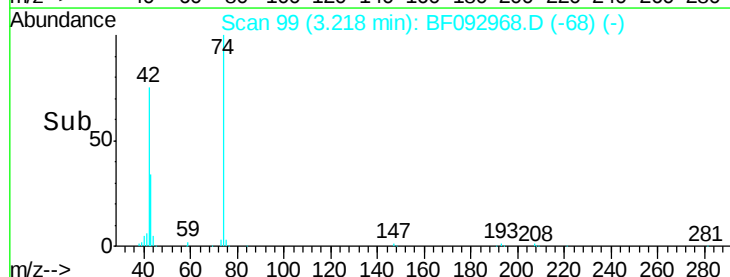
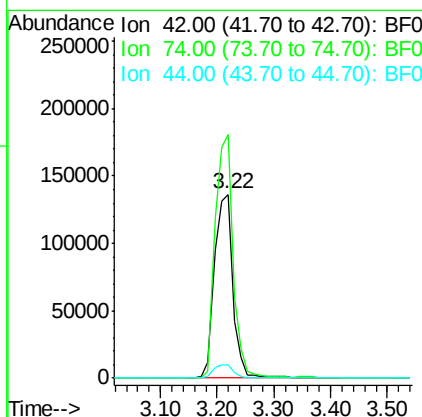
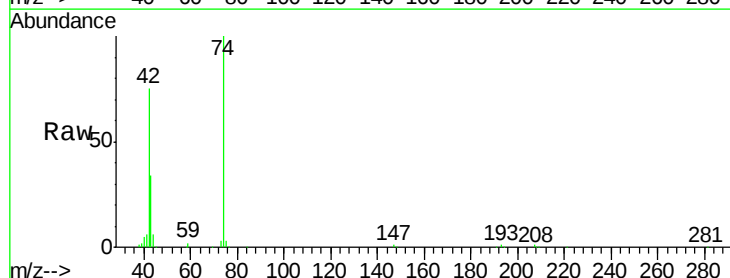
RT: 3.22 min Scan# 99

Delta R.T. 0.06 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 307654 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 132.6 | 117.0 | 175.4  |
| 44       | 7.3   | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 140.51 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

H-1MSD

Tgt Ion: 112 Resp: 1339682

Ion Ratio Lower Upper

112 100

64 65.2 46.1 69.1

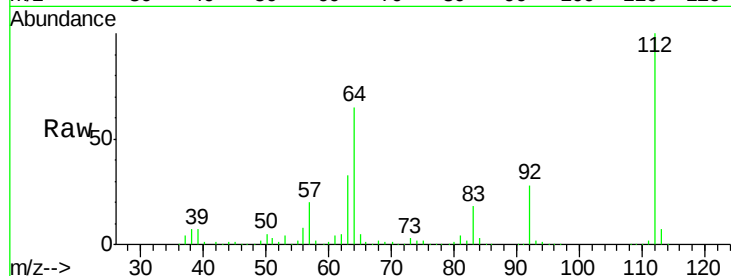
63 32.9 23.8 35.6

Manual Integrations

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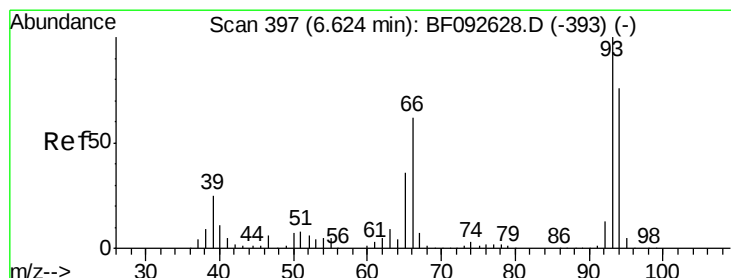
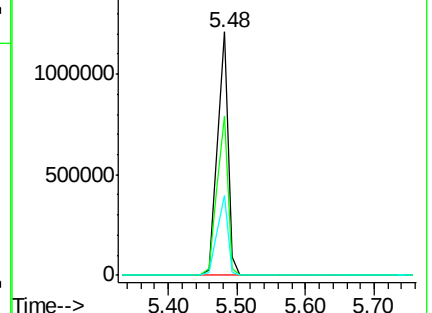
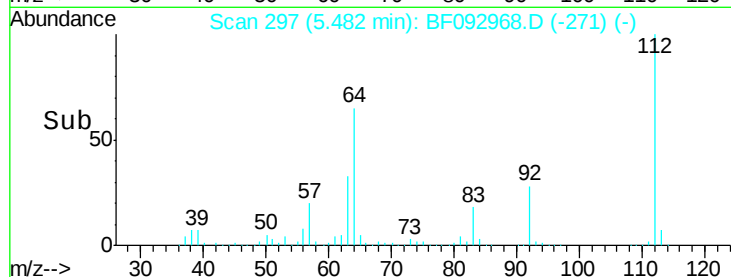
2/16/2017 11:37:57 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.69 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

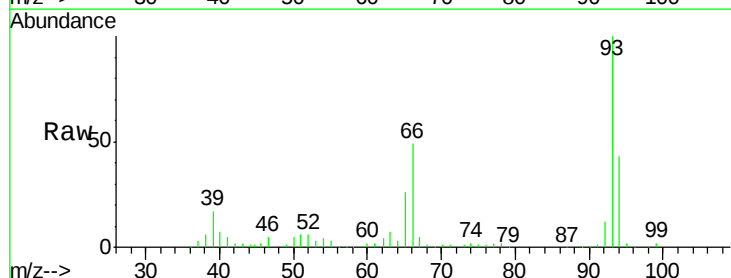
Tgt Ion: 93 Resp: 229032

Ion Ratio Lower Upper

93 100

66 48.6 76.2 114.2#

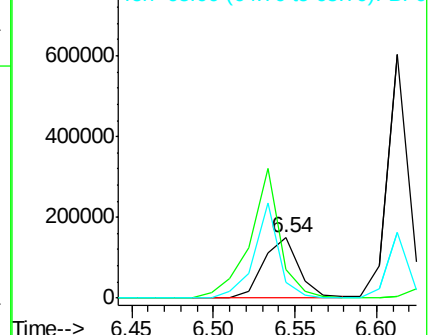
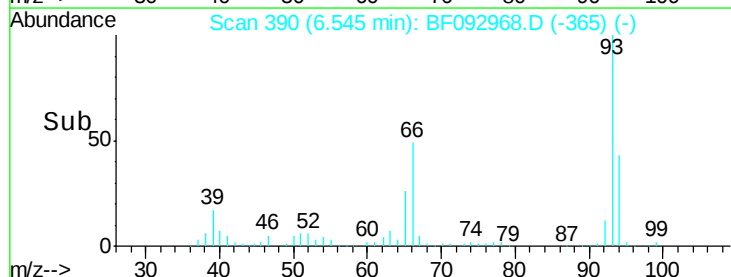
65 25.5 49.3 73.9#

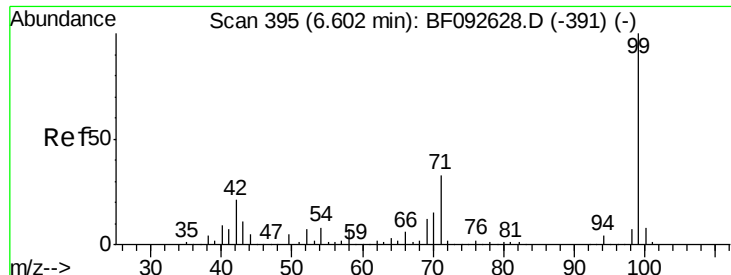


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 139.72 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

H-1MSD

Tgt Ion: 99 Resp: 1713947

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

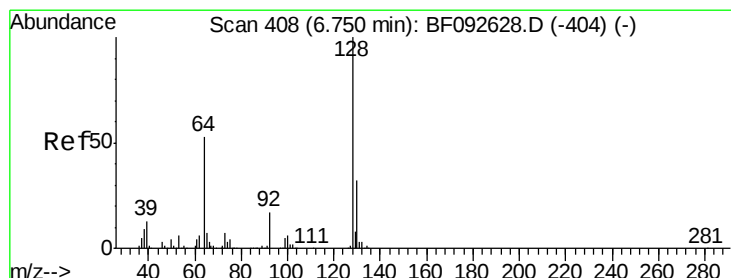
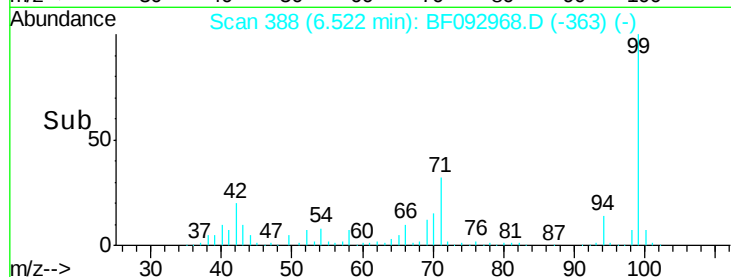
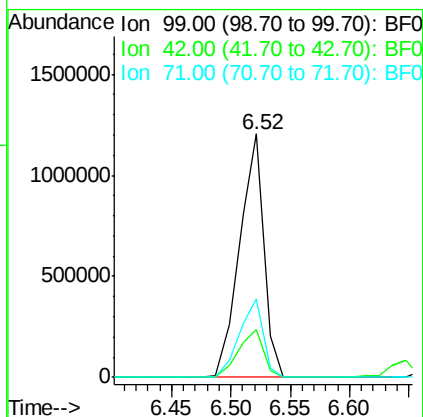
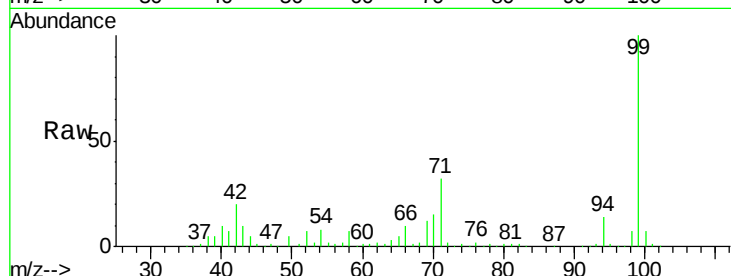
71 32.4 27.5 41.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 48.50 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

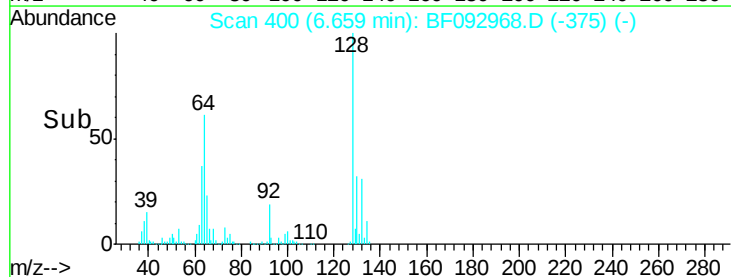
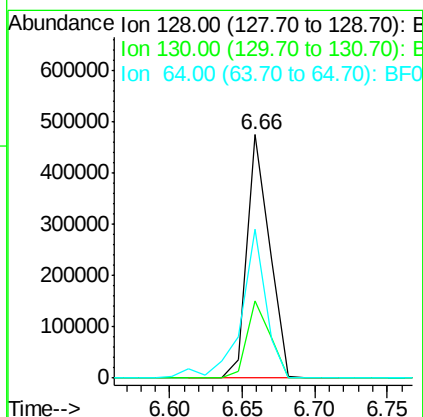
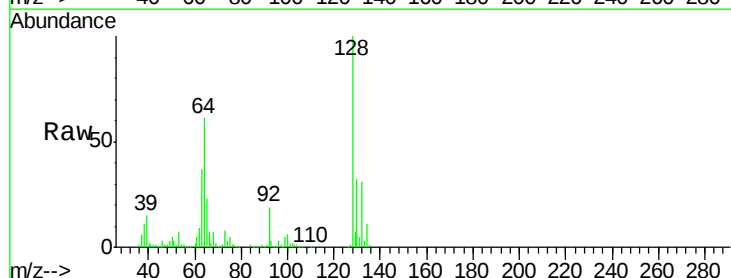
Tgt Ion: 128 Resp: 510156

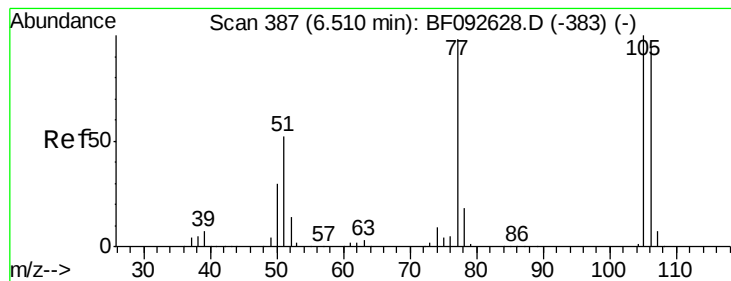
Ion Ratio Lower Upper

128 100

130 31.7 12.3 52.3

64 61.0 32.2 72.2





#9

Benzaldehyde

Concen: 15.23 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

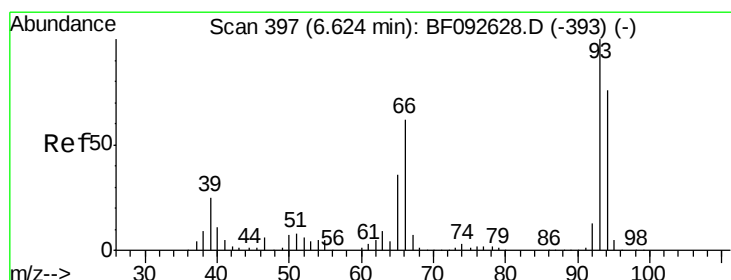
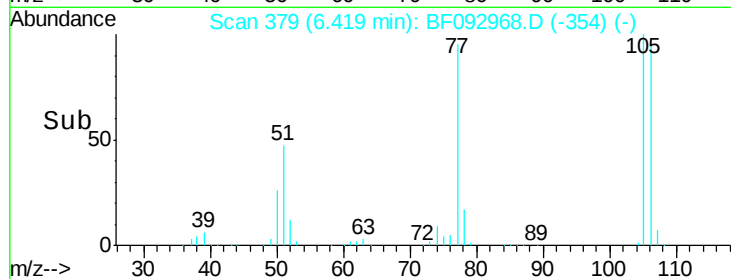
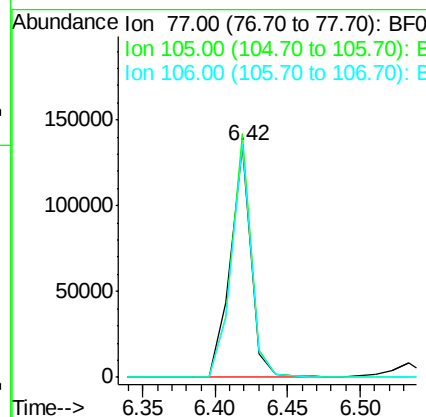
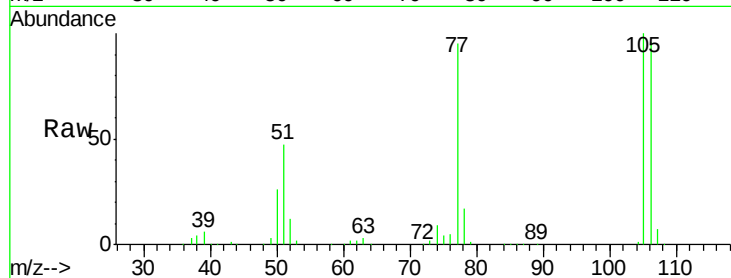
H-1MSD

Tgt Ion: 77 Resp: 133873

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 105.4 | 83.9  | 123.9 |
| 106 | 101.2 | 77.6  | 117.6 |

Manual Integrations  
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#10

Phenol

Concen: 47.50 ng

RT: 6.53 min Scan# 389

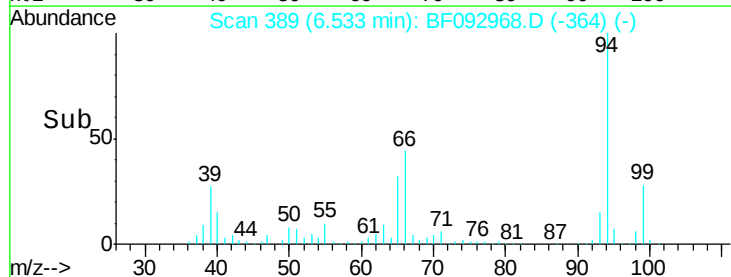
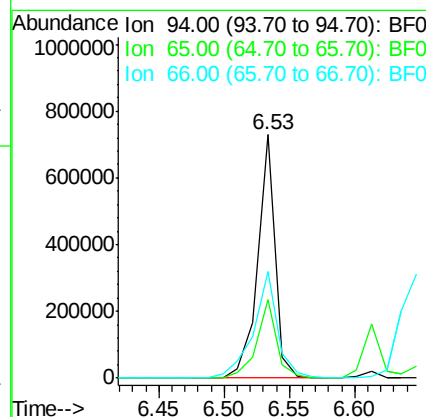
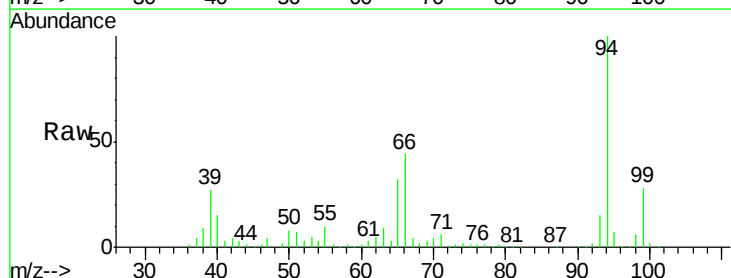
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Tgt Ion: 94 Resp: 681799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.2  | 21.4  | 61.4  |
| 66  | 43.9  | 44.0  | 84.0# |





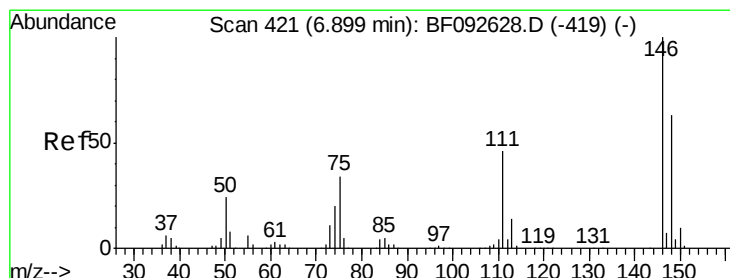
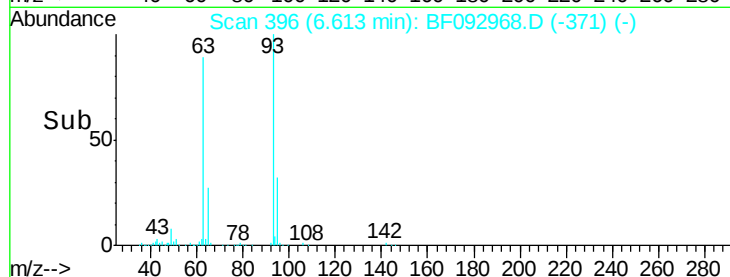
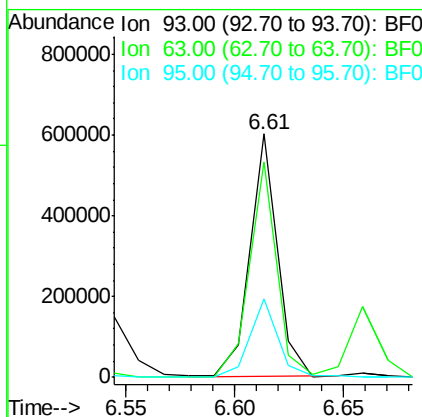
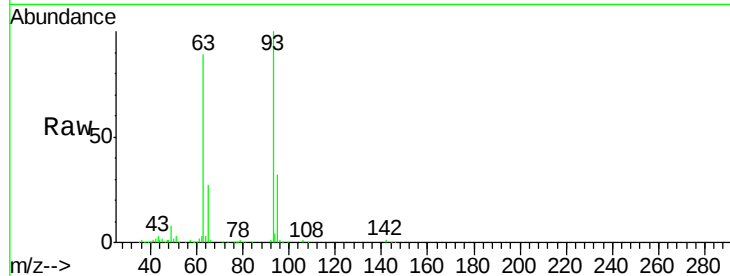
#11  
bis(2-Chloroethyl)ether  
Concen: 45.84 ng  
RT: 6.61 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 88.6  | 60.4  | 100.4 |
| 95      | 32.5  | 12.8  | 52.8  |

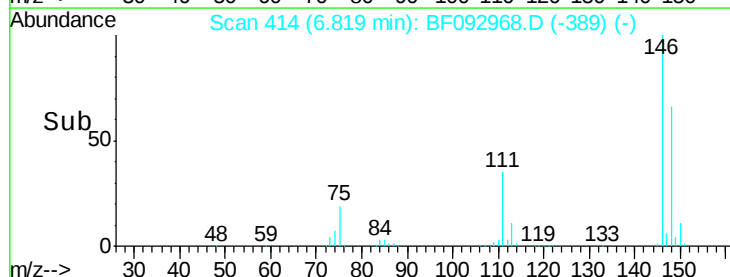
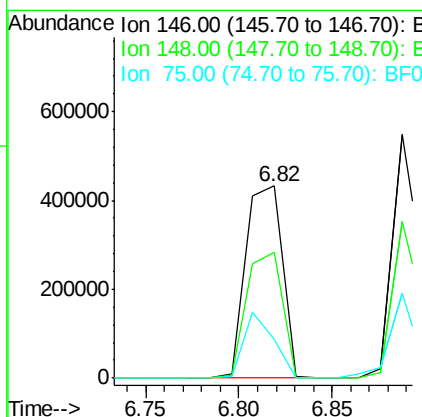
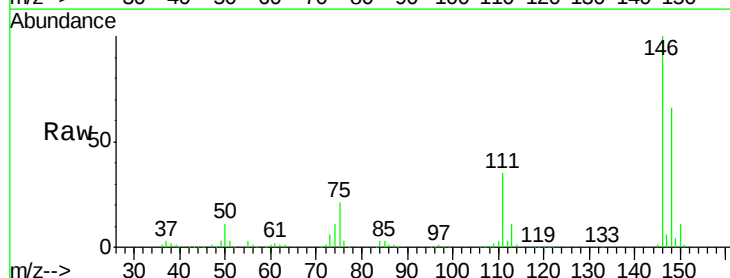
Manual Integrations  
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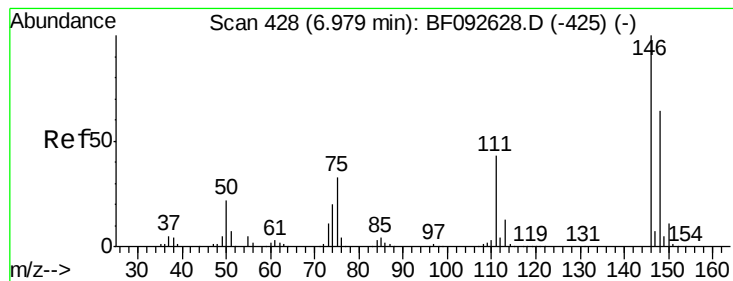
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 47.73 ng  
RT: 6.82 min Scan# 414  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.5  | 53.4  | 80.0  |
| 75      | 20.5  | 18.5  | 27.7  |





#13

1,4-Dichlorobenzene

Concen: 45.42 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

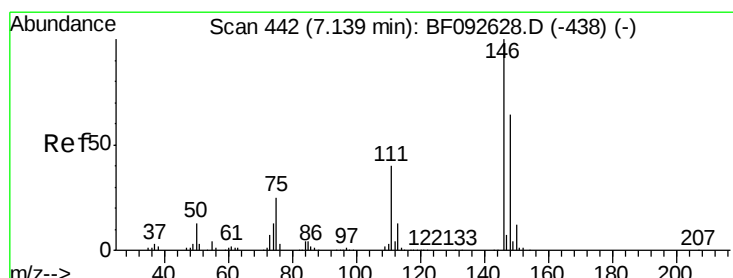
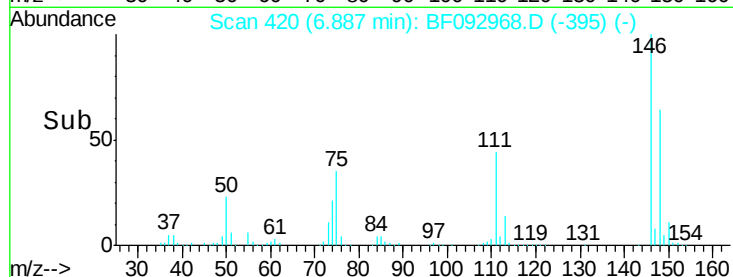
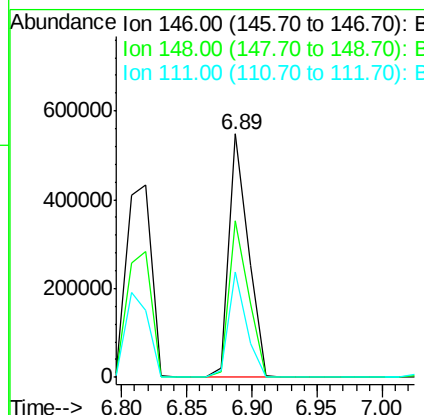
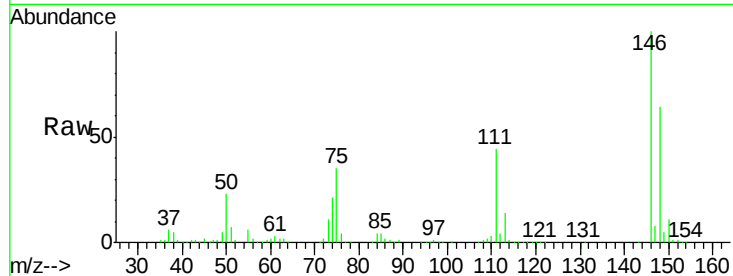
ClientSampled :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 566329 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.2  | 50.6  | 76.0   |
| 111       | 43.5  | 36.2  | 54.4   |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 47.81 ng

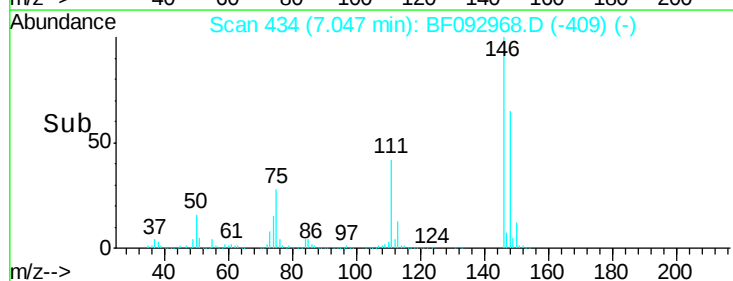
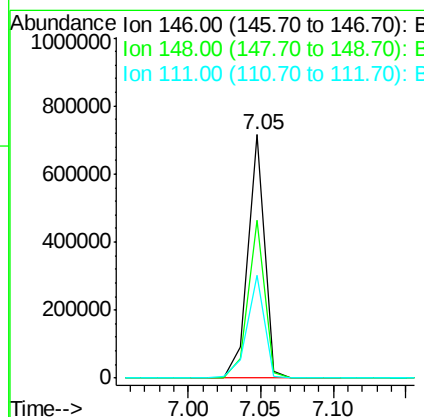
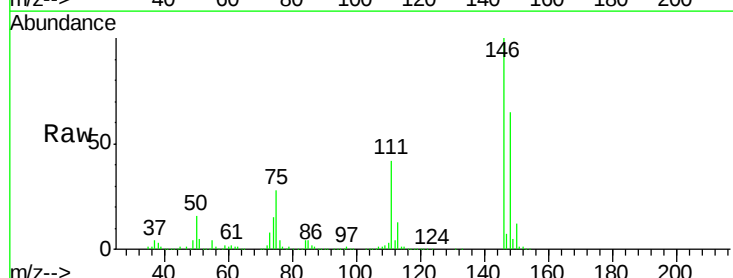
RT: 7.05 min Scan# 434

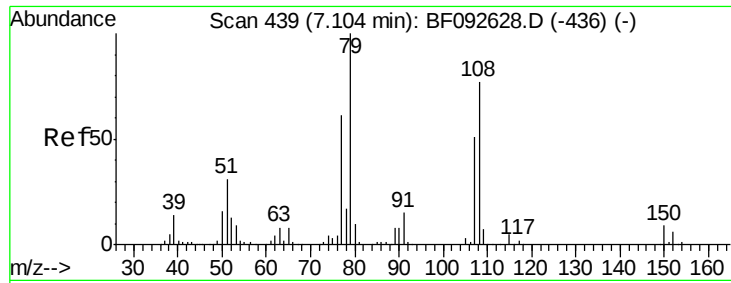
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 570070 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.9  | 52.2  | 78.2   |
| 111       | 42.5  | 36.2  | 54.2   |





#15

Benzyl Alcohol

Concen: 48.32 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

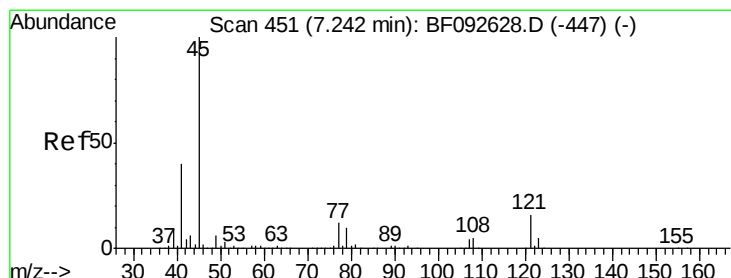
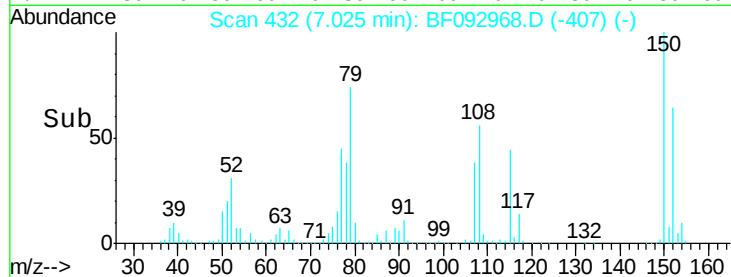
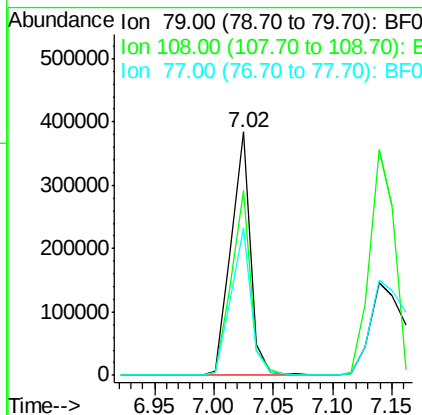
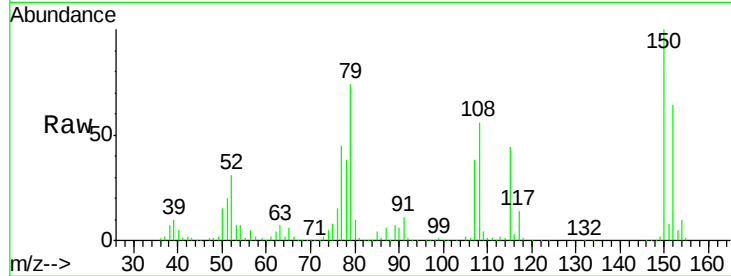
ClientSampled :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 438815 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 75.9  | 61.4  | 92.0   |
| 77        | 60.7  | 50.9  | 76.3   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.24 ng

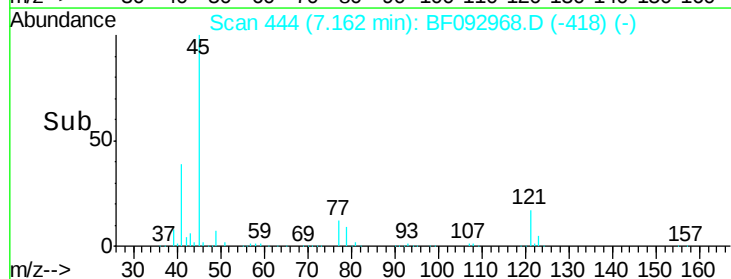
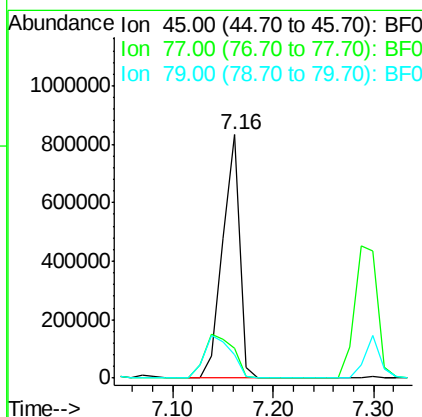
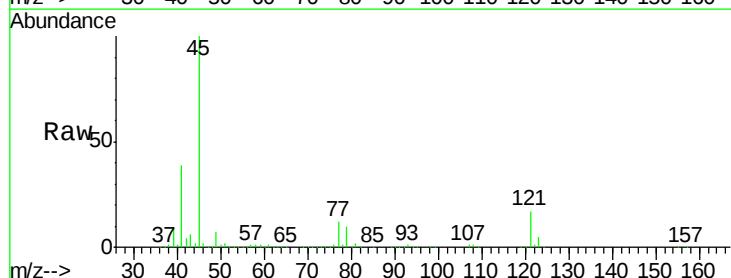
RT: 7.16 min Scan# 444

Delta R.T. 0.00 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 979989 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.0  | 0.0   | 34.6   |
| 79        | 9.6   | 0.0   | 31.2   |





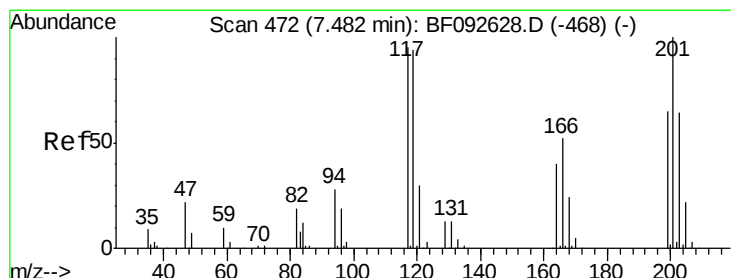
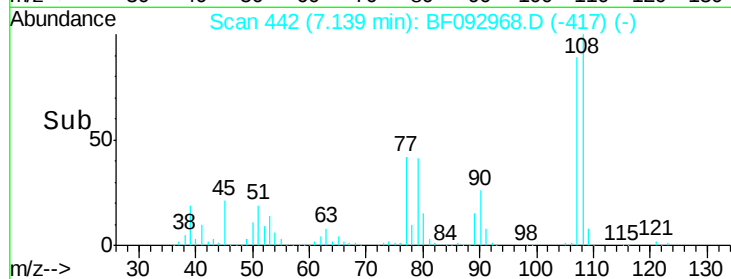
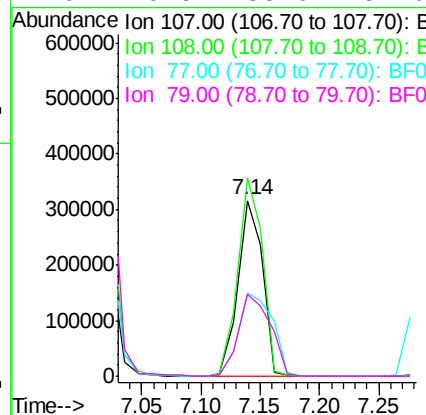
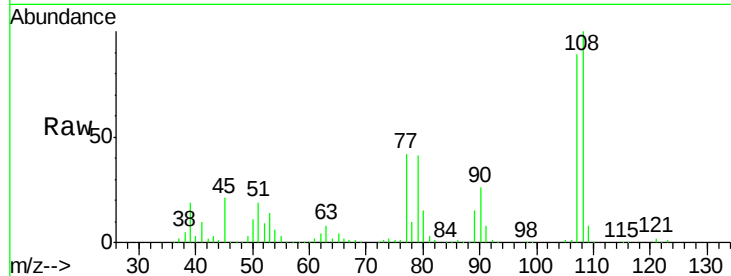
#17  
2-Methylphenol  
Concen: 50.67 ng  
RT: 7.14 min Scan# 442  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampled :  
H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 457232 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.0 | 93.0  | 139.6  |
| 77        | 47.4  | 39.8  | 59.8   |
| 79        | 46.5  | 38.0  | 57.0   |

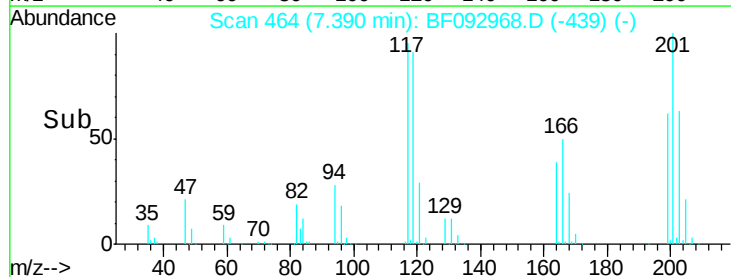
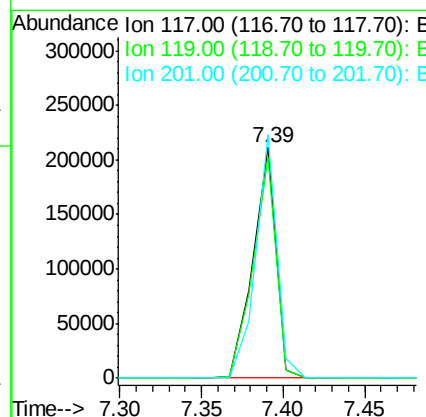
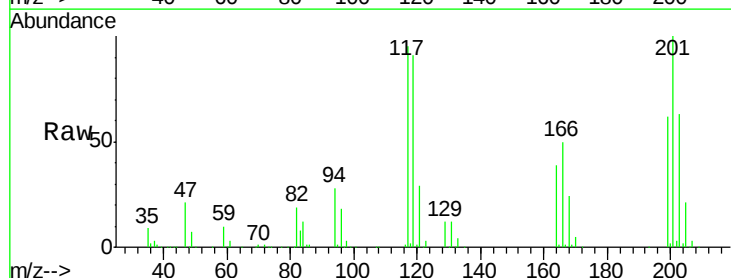
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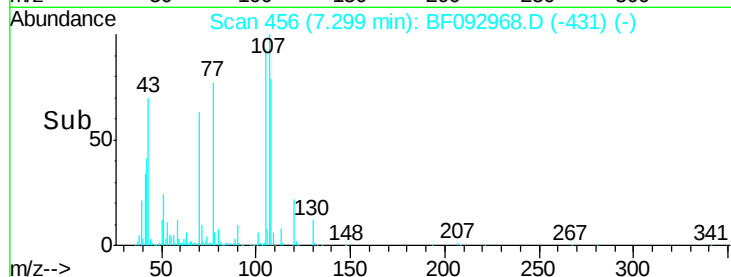
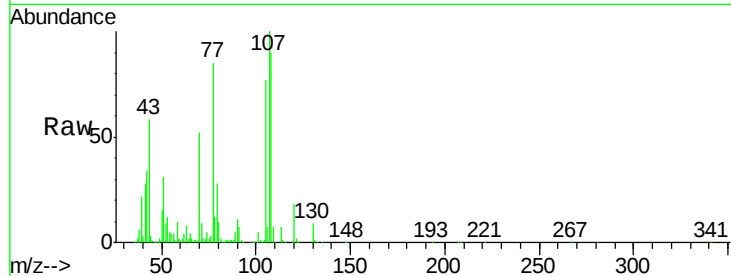
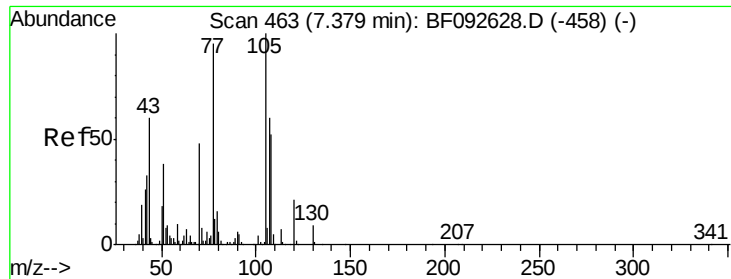
mohammad  
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#18  
Hexachloroethane  
Concen: 48.51 ng  
RT: 7.39 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 206485 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.7  | 78.1  | 117.1  |
| 201       | 105.5 | 78.6  | 117.8  |





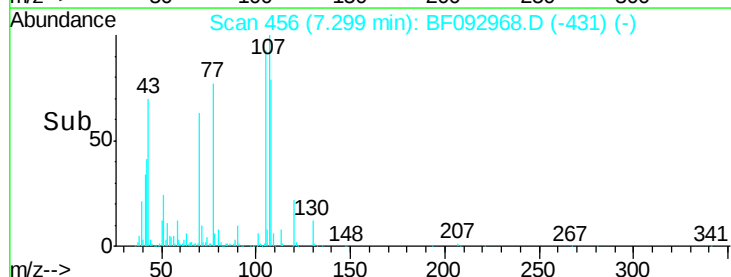
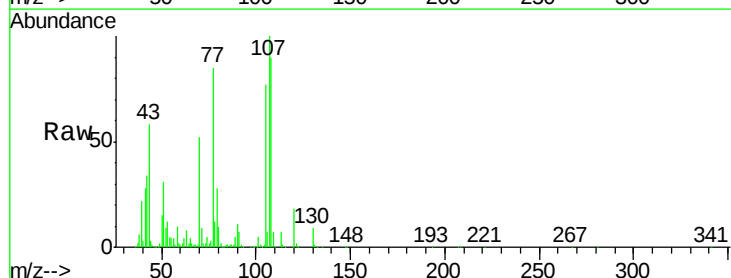
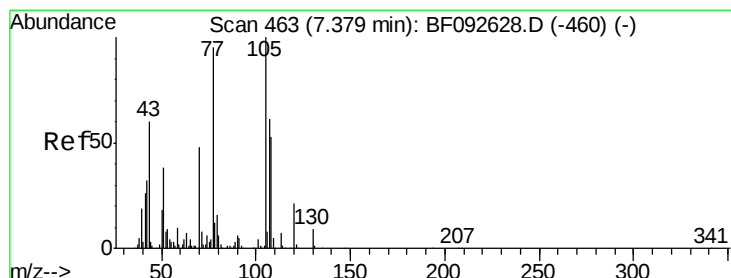
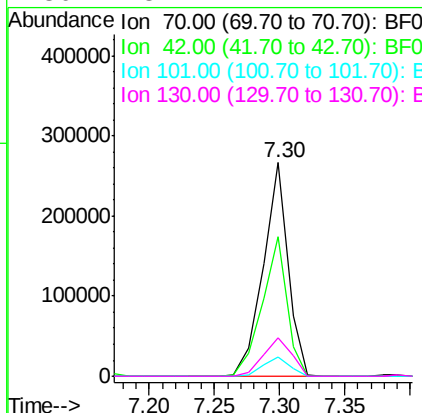
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.64 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 65.6  | 49.4  | 74.0  |
| 101     | 8.7   | 7.4   | 11.2  |
| 130     | 18.1  | 14.2  | 21.4  |

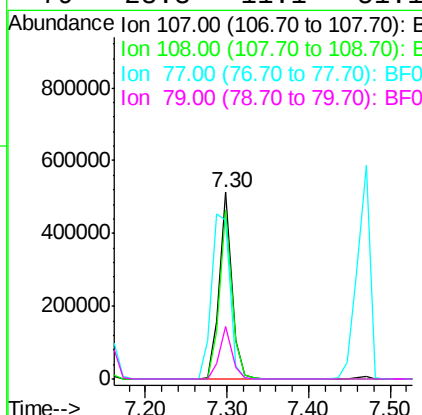
Manual Integrations  
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#20  
3+4-Methylphenols  
Concen: 50.75 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 90.4  | 73.0  | 113.0 |
| 77      | 85.1  | 71.3  | 111.3 |
| 79      | 28.3  | 11.1  | 51.1  |





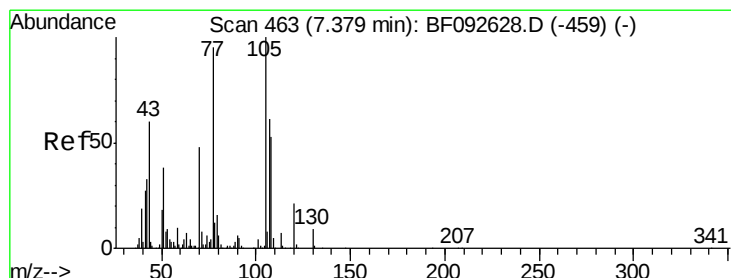
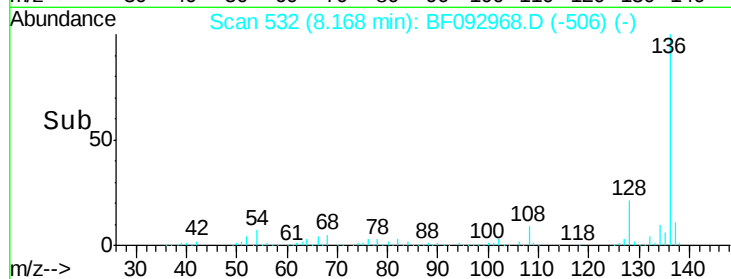
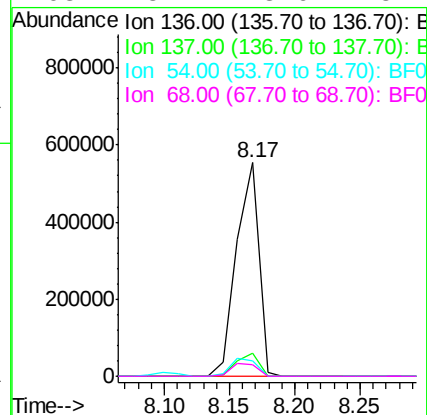
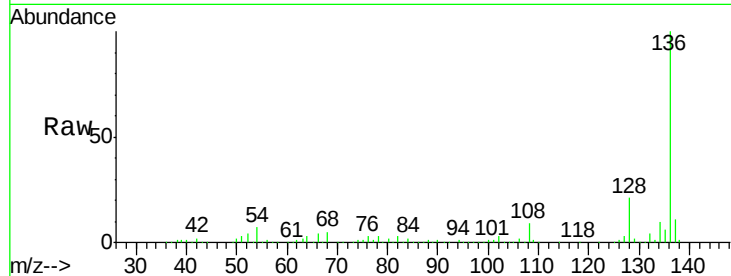
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 532  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 657702 |       |       |
| 137     | 10.6  | 8.4    | 12.6  |       |
| 54      | 7.3   | 4.5    | 6.7#  |       |
| 68      | 5.4   | 3.6    | 5.4   |       |

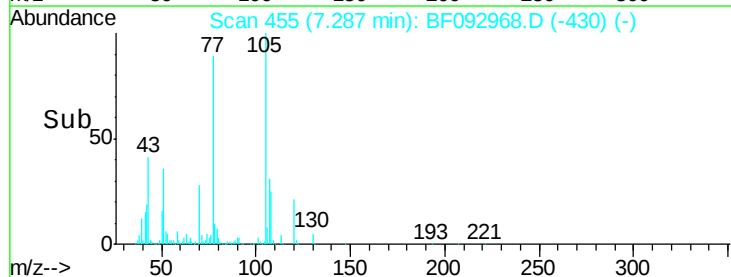
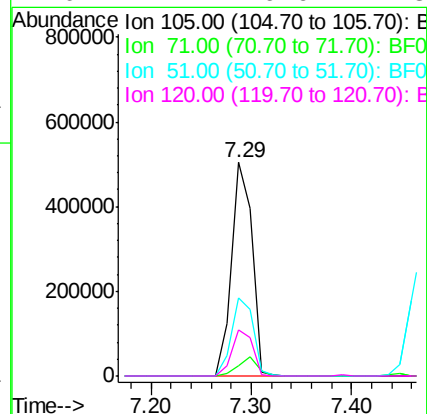
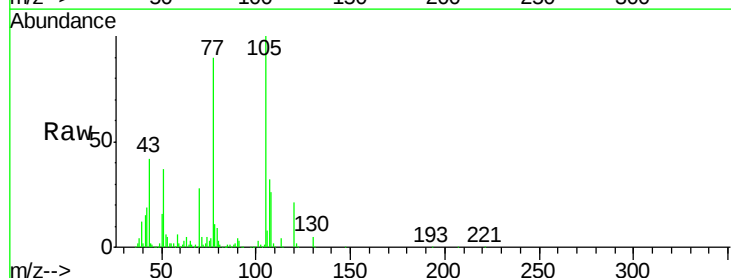
Manual Integrations  
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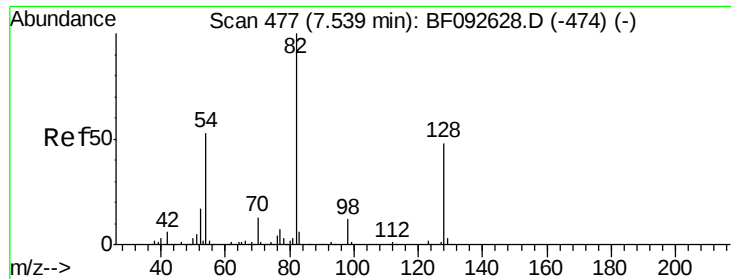
mohammad  
2/16/2017 11:37:57 AM



#22  
Acetophenone  
Concen: 47.37 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 711296 |       |       |
| 71      | 4.6   | 3.2    | 4.8   |       |
| 51      | 36.9  | 26.2   | 39.4  |       |
| 120     | 21.4  | 16.6   | 24.8  |       |





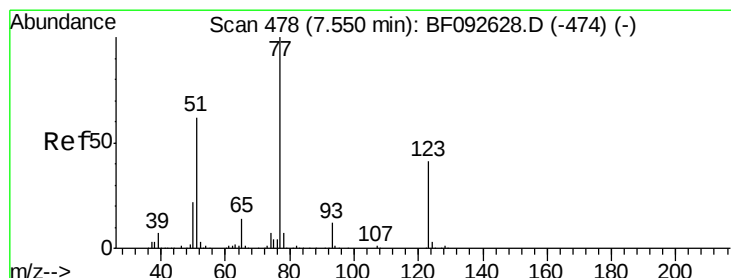
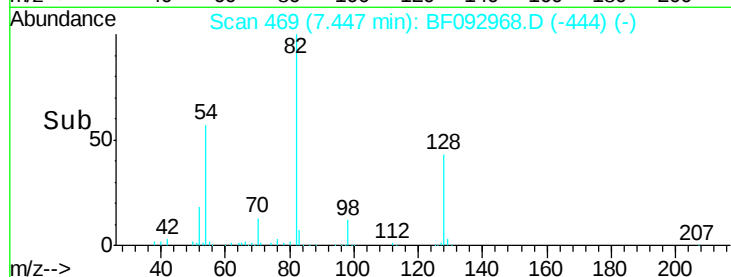
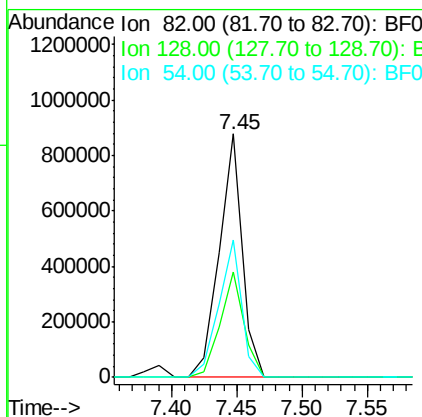
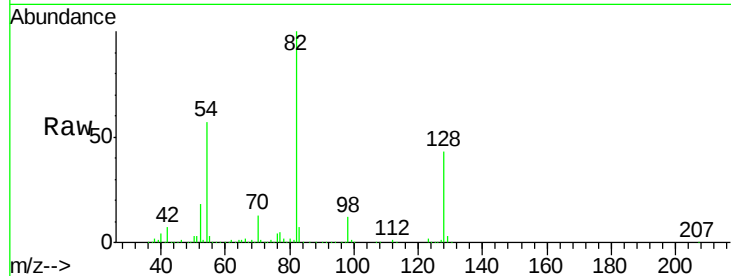
#23  
 Nitrobenzene-d5  
 Concen: 91.51 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

Tgt Ion: 82 Resp: 1080826  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 34.6 52.0  
 54 56.6 39.5 59.3

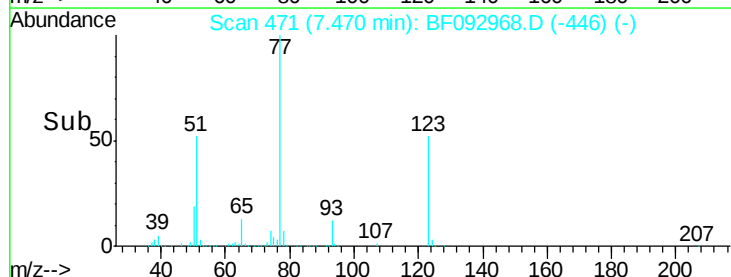
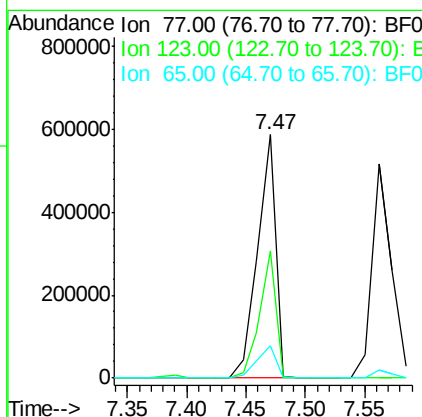
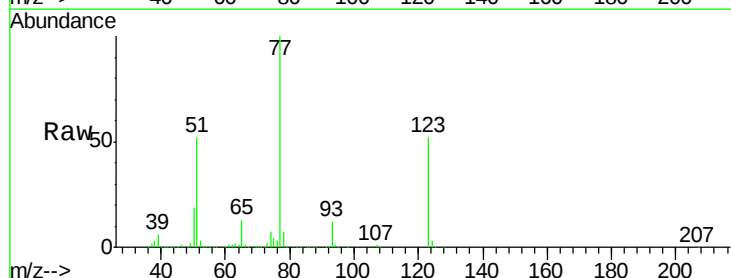
Manual Integrations  
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#24  
 Nitrobenzene  
 Concen: 52.06 ng  
 RT: 7.47 min Scan# 471  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Tgt Ion: 77 Resp: 631329  
 Ion Ratio Lower Upper  
 77 100  
 123 52.3 33.0 49.4#  
 65 13.4 11.2 16.8





#25

Isophorone

Concen: 50.36 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampled :

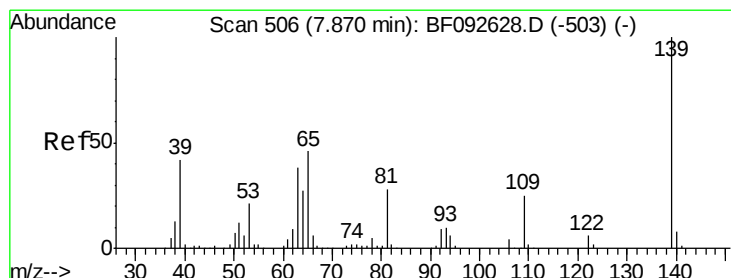
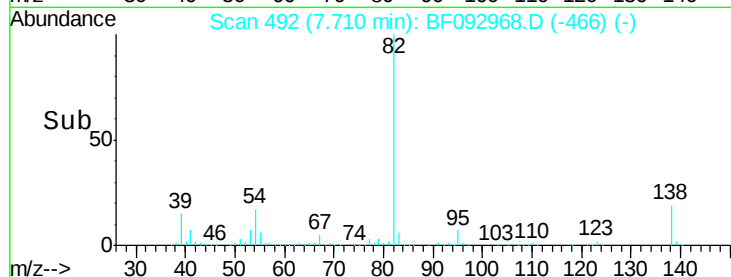
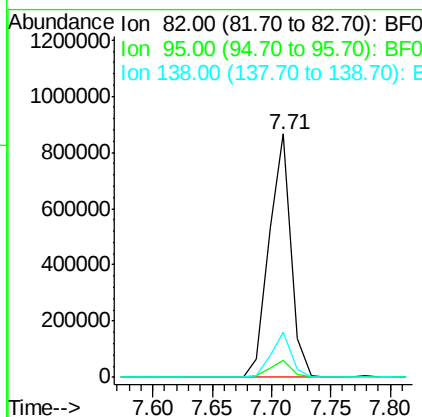
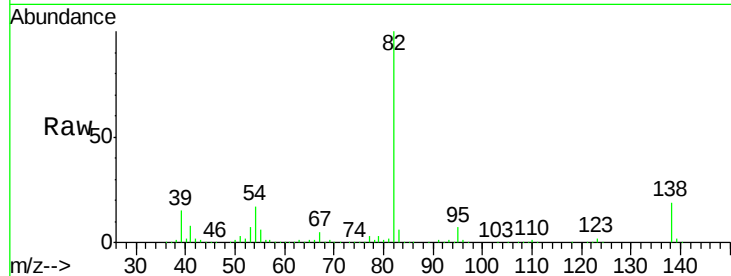
H-1MSD

Tgt Ion: 82 Resp: 1108237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 6.8   | 5.6   | 8.4   |
| 138 | 18.8  | 14.6  | 22.0  |

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#26

2-Nitrophenol

Concen: 50.41 ng

RT: 7.78 min Scan# 498

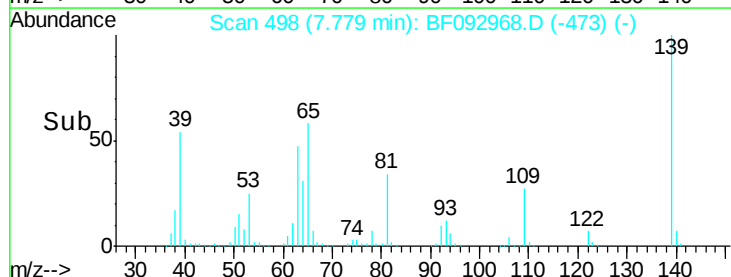
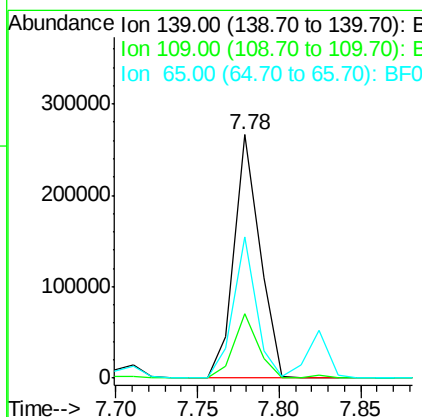
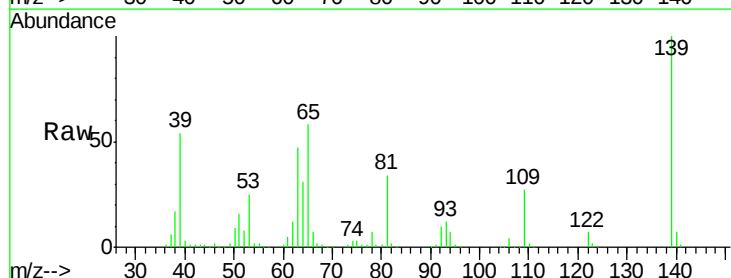
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Tgt Ion: 139 Resp: 290578

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 26.6  | 23.3  | 34.9  |
| 65  | 58.1  | 42.7  | 64.1  |





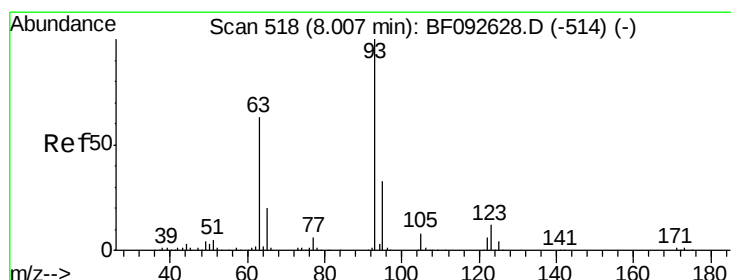
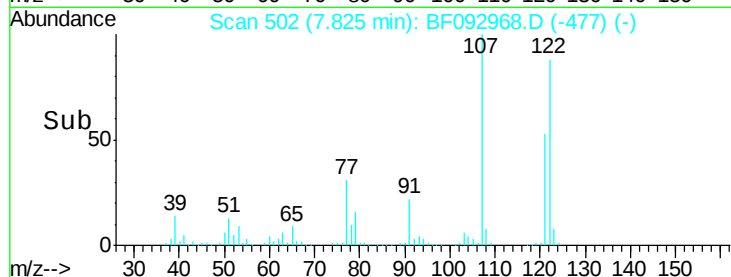
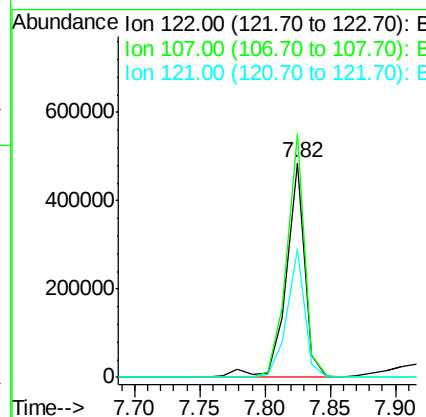
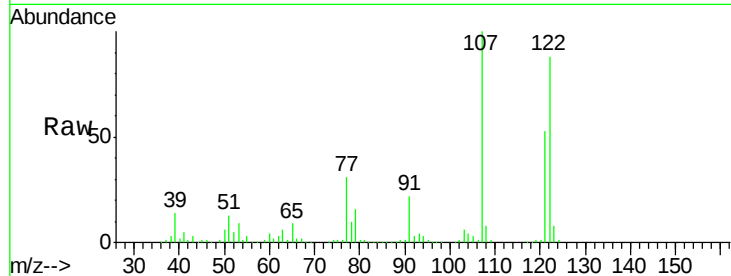
#27  
2,4-Dimethylphenol  
Concen: 48.33 ng  
RT: 7.82 min Scan# 502  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 489268 |       |       |
| 107     | 113.3 | 94.1   | 141.1 |       |
| 121     | 59.6  | 46.0   | 69.0  |       |

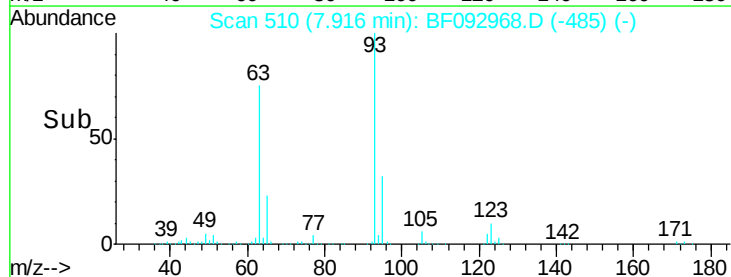
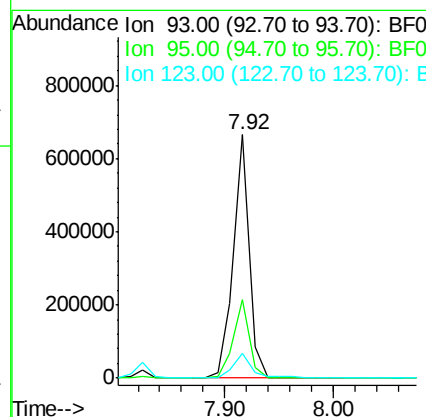
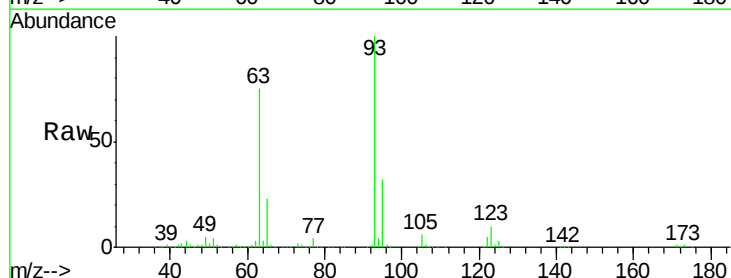
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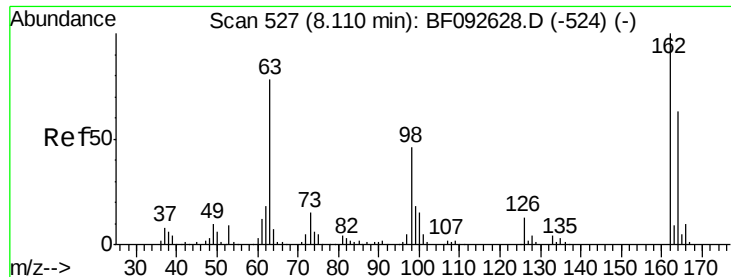
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#28  
bis(2-Chloroethoxy)methane  
Concen: 45.76 ng  
RT: 7.92 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 667006 |       |       |
| 95      | 32.3  | 26.5   | 39.7  |       |
| 123     | 10.2  | 8.6    | 13.0  |       |





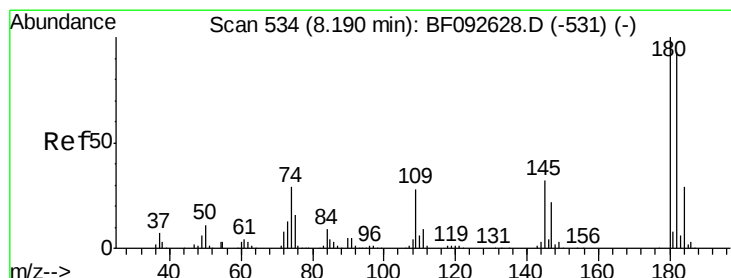
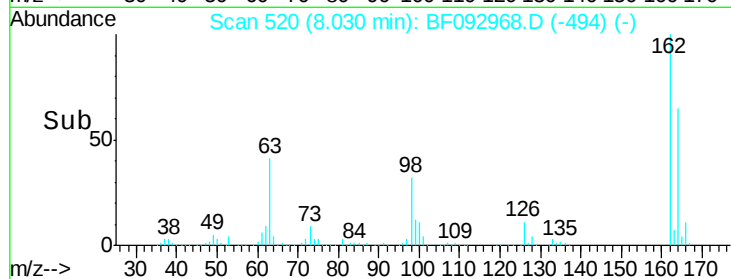
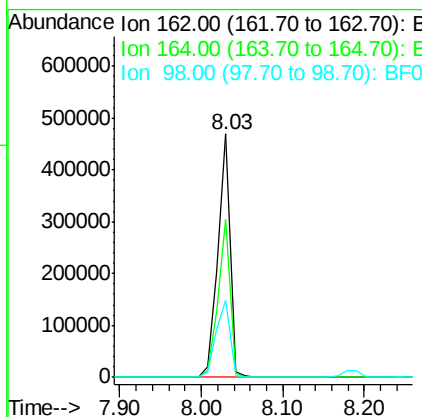
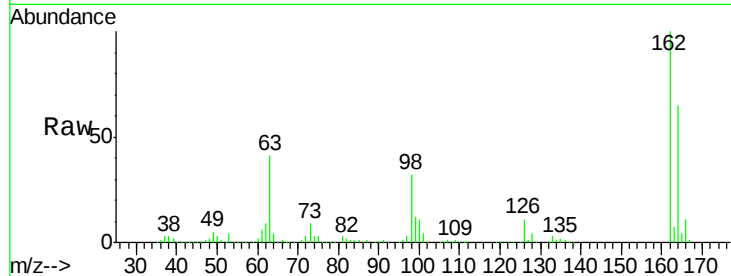
#29  
 2,4-Dichlorophenol  
 Concen: 51.58 ng  
 RT: 8.03 min Scan# 520  
 Delta R.T. 0.00 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.8  | 46.8       | 86.8       |
| 98      | 31.5  | 9.1        | 49.1       |

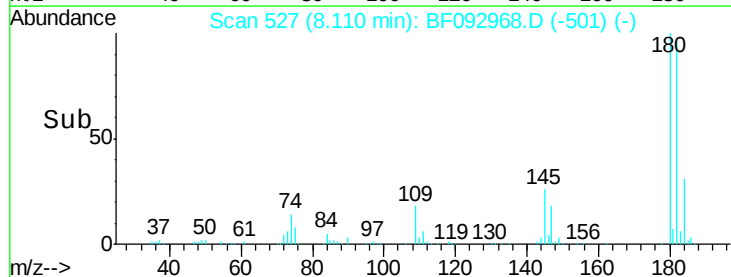
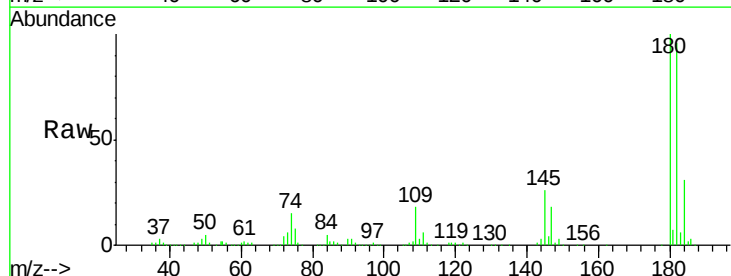
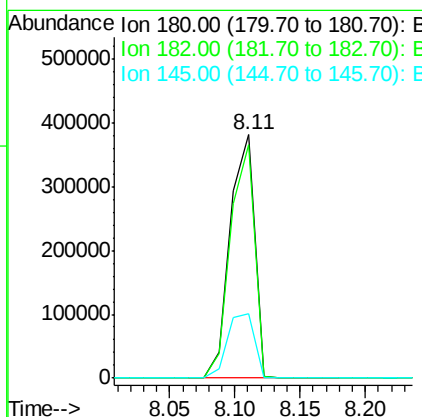
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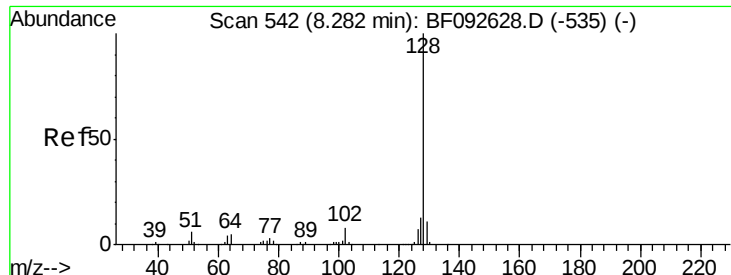
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.57 ng  
 RT: 8.11 min Scan# 527  
 Delta R.T. 0.00 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.8  | 78.2       | 117.4      |
| 145     | 26.2  | 21.6       | 32.4       |





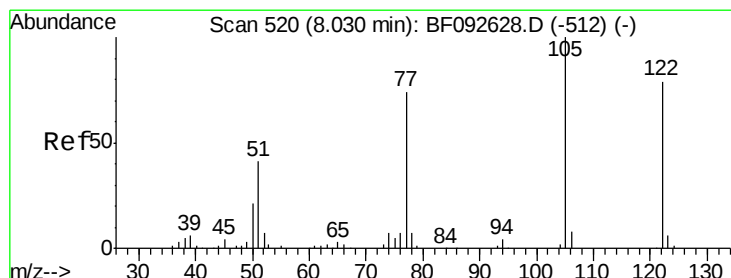
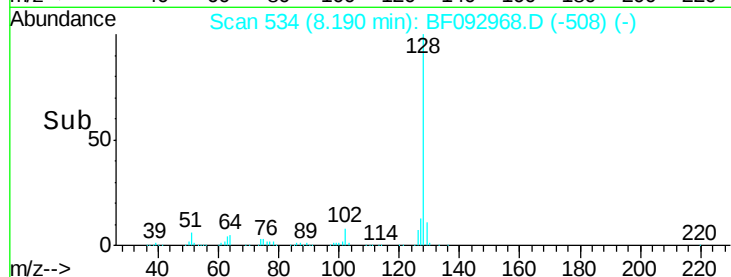
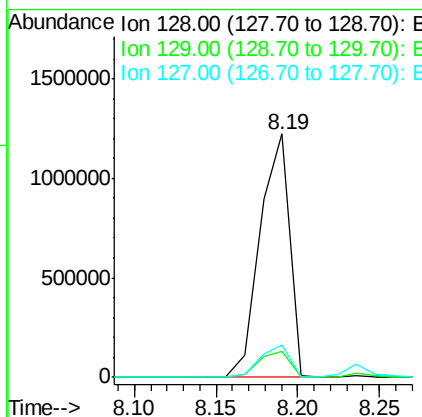
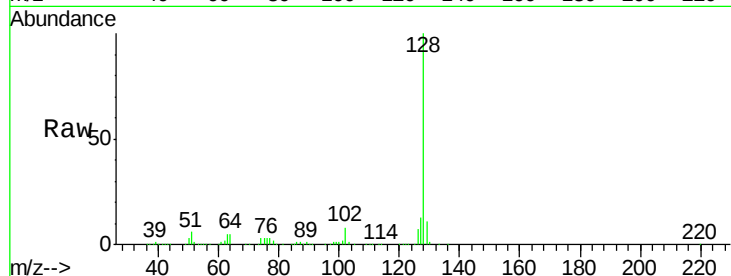
#31  
Naphthalene  
Concen: 46.18 ng  
RT: 8.19 min Scan# 534  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

Tgt Ion:128 Resp: 1539718  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.5 14.3  
127 13.4 10.8 16.2

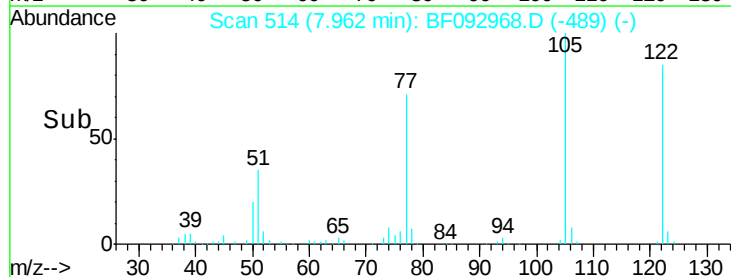
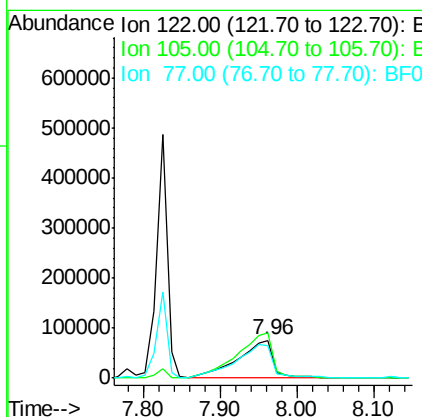
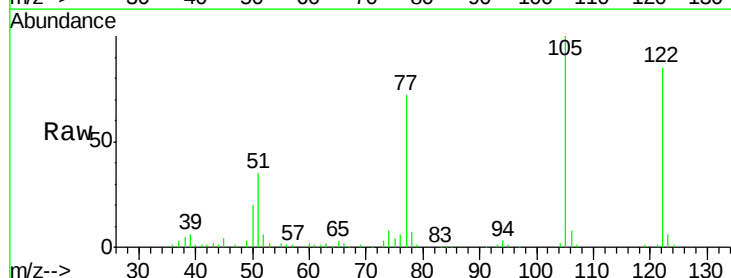
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#32  
Benzoic acid  
Concen: 41.99 ng  
RT: 7.96 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Tgt Ion:122 Resp: 234846  
Ion Ratio Lower Upper  
122 100  
105 117.8 107.2 147.2  
77 85.3 74.5 114.5





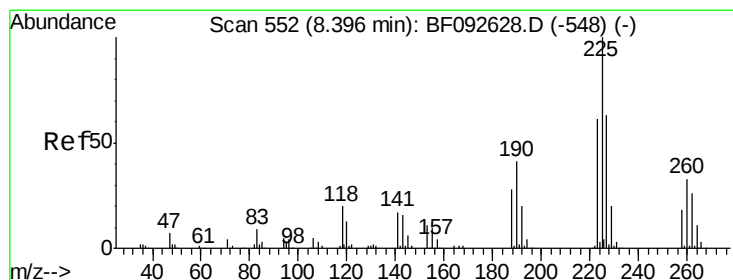
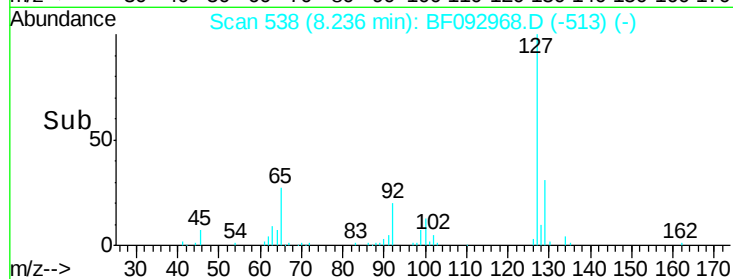
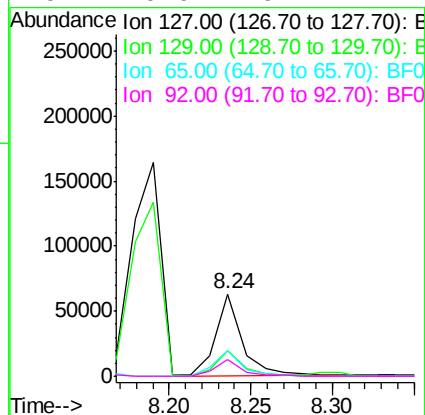
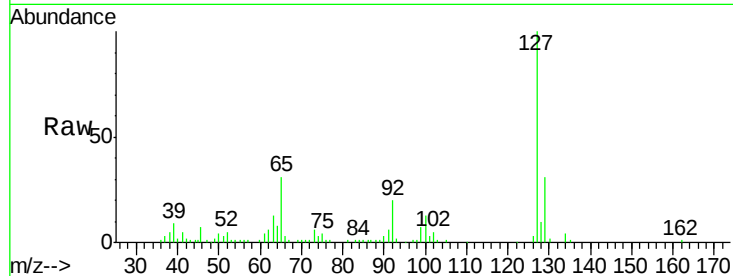
#33  
4-Chloroaniline  
Concen: 5.43 ng  
RT: 8.24 min Scan# 538  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampled :  
H-1MSD

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 127     | 100   | 71015 |       |       |
| 129     | 30.7  | 26.3  | 39.5  |       |
| 65      | 31.2  | 25.8  | 38.8  |       |
| 92      | 19.9  | 16.1  | 24.1  |       |

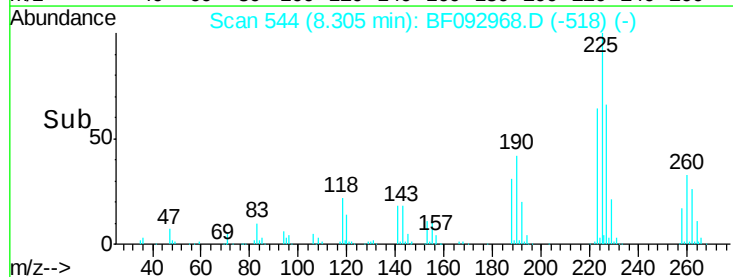
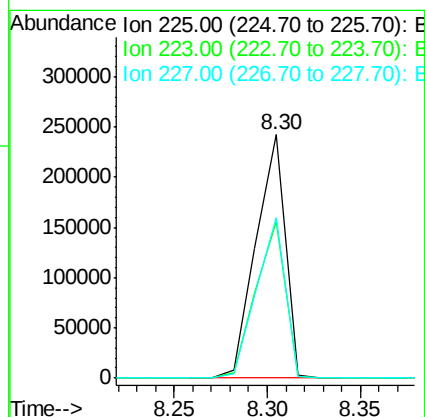
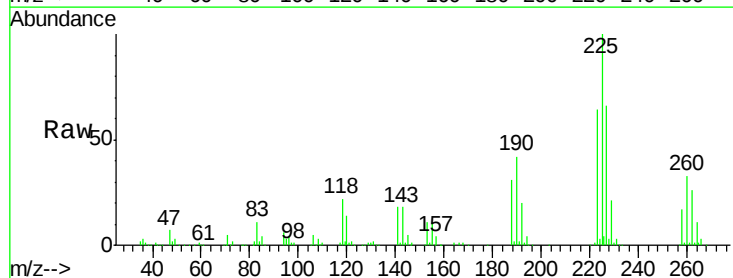
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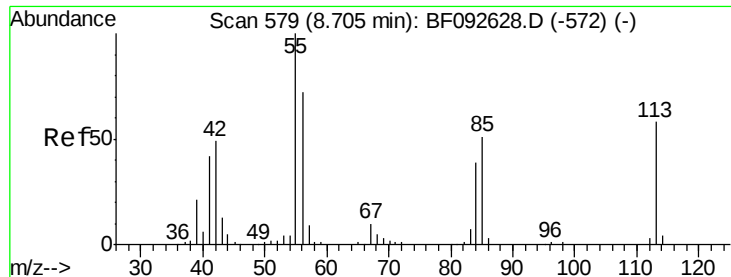
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#34  
Hexachlorobutadiene  
Concen: 46.71 ng  
RT: 8.30 min Scan# 544  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 261512 |       |       |
| 223     | 64.2  | 51.0   | 76.6  |       |
| 227     | 65.8  | 50.6   | 76.0  |       |





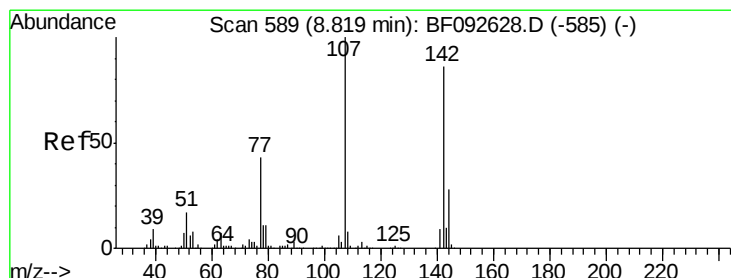
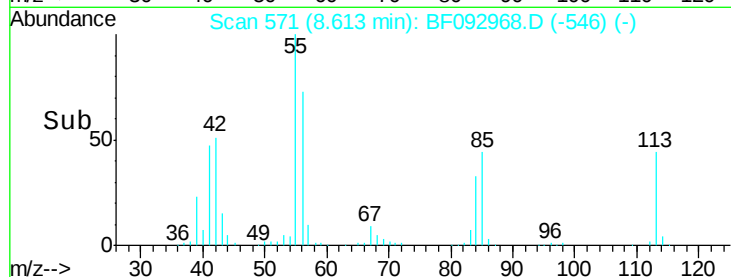
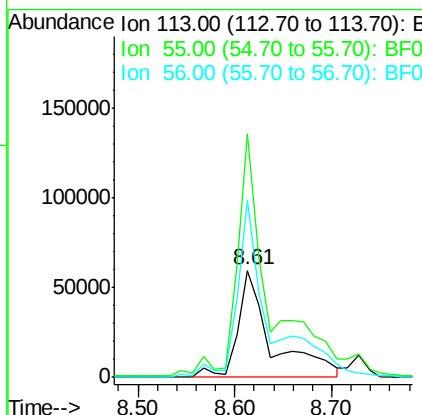
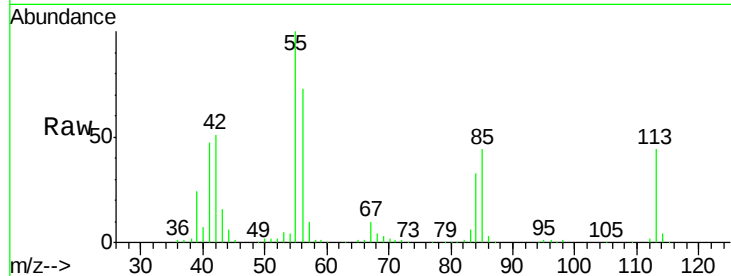
#35  
 Caprolactam  
 Concen: 48.86 ng m  
 RT: 8.61 min Scan# 571  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 113     | 100   |       |        |       |
| 55      | 228.1 | 119.2 | 159.2# |       |
| 56      | 165.9 | 83.8  | 123.8# |       |

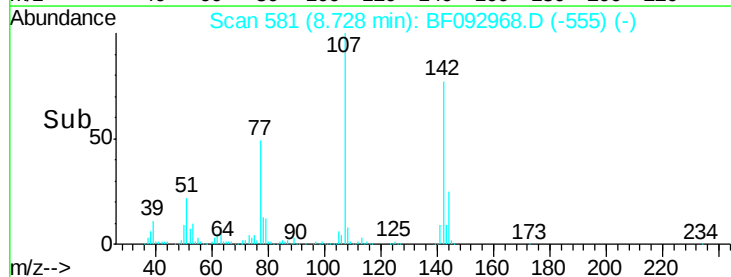
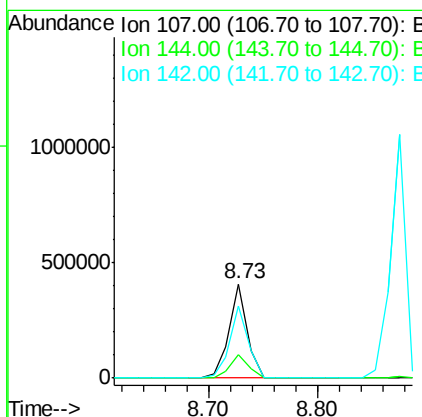
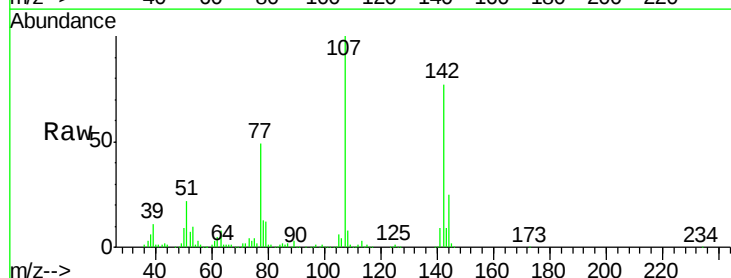
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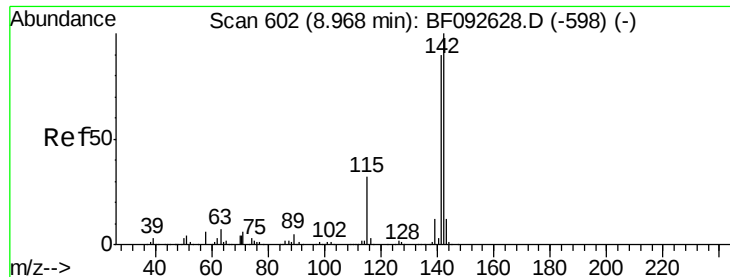
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#36  
 4-Chloro-3-methylphenol  
 Concen: 47.83 ng  
 RT: 8.73 min Scan# 581  
 Delta R.T. 0.00 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 144     | 24.7  | 19.3 | 28.9  |       |
| 142     | 76.5  | 59.0 | 88.6  |       |





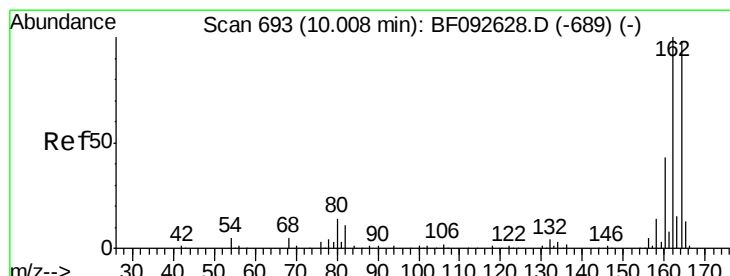
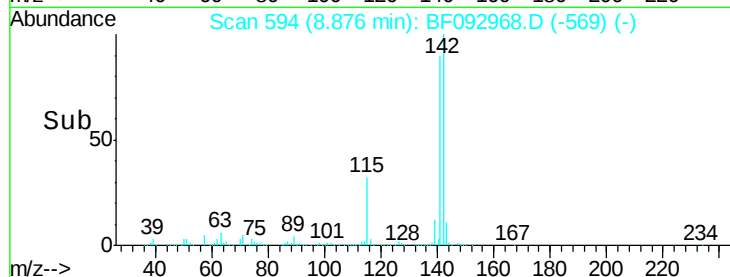
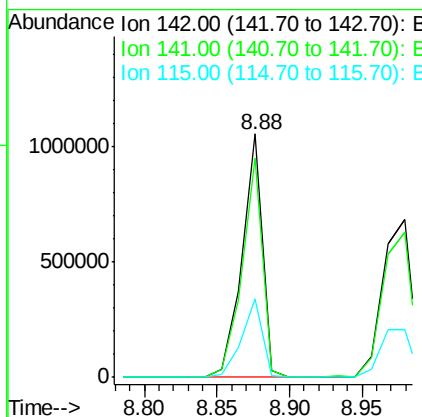
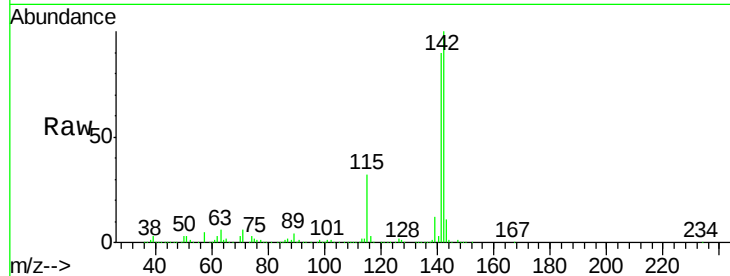
#37  
2-Methylnaphthalene  
Concen: 48.15 ng  
RT: 8.88 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.1  | 71.0  | 106.6 |
| 115     | 32.2  | 28.3  | 42.5  |

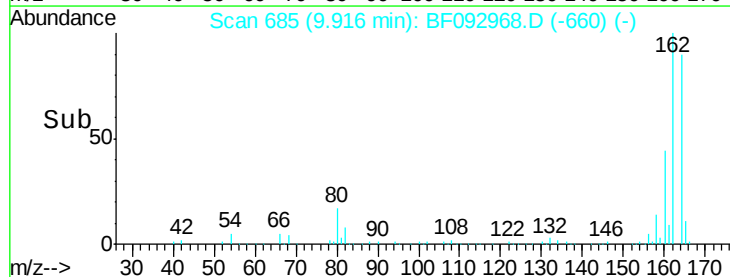
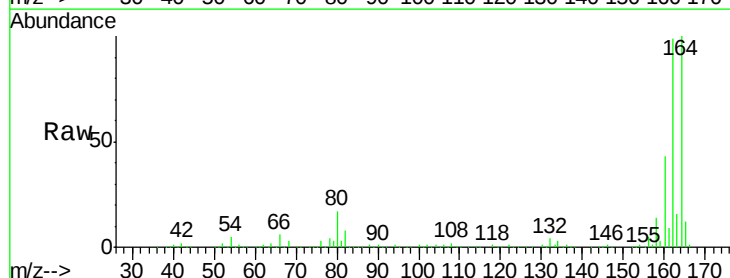
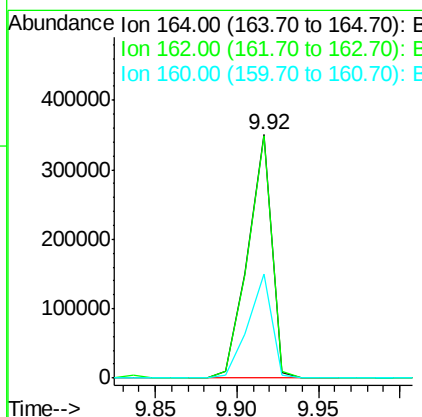
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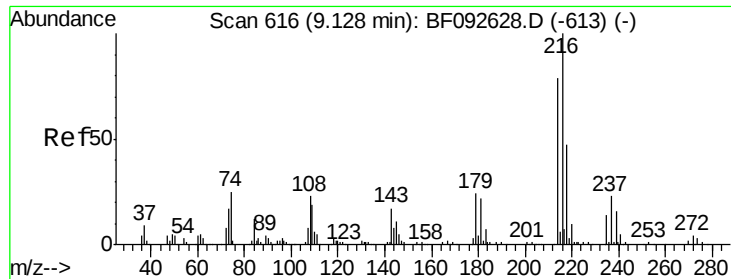
mohammad  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.92 min Scan# 685  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.5  | 80.2  | 120.2 |
| 160     | 42.8  | 36.9  | 55.3  |





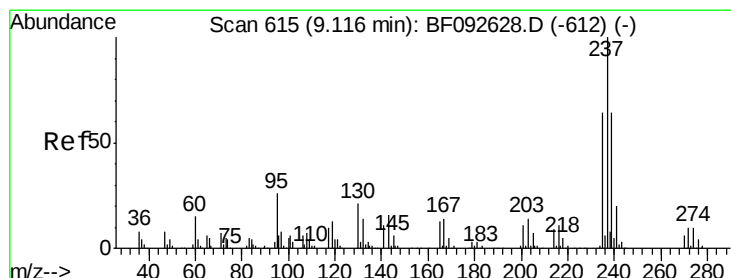
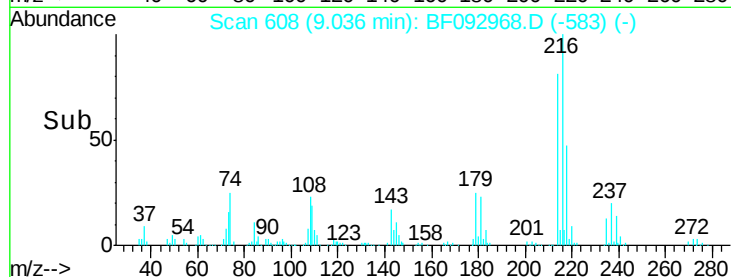
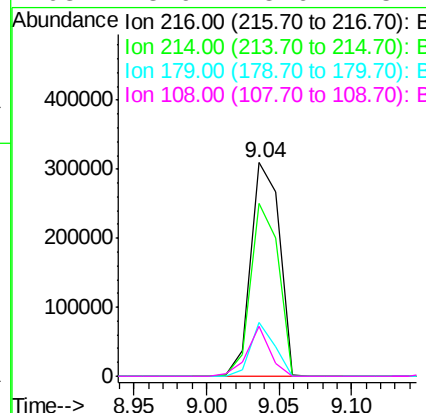
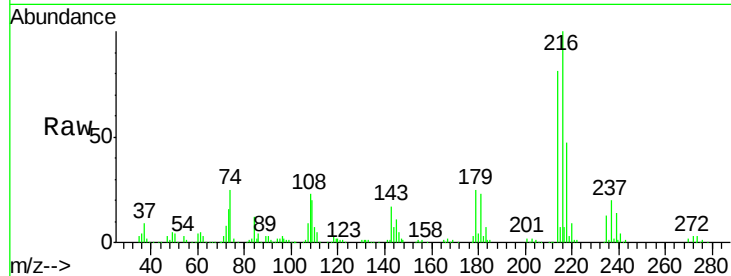
#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.49 ng  
RT: 9.04 min Scan# 608  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 423948 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.7  | 63.4  | 95.0   |
| 179       | 21.2  | 17.4  | 26.2   |
| 108       | 18.9  | 15.6  | 23.4   |

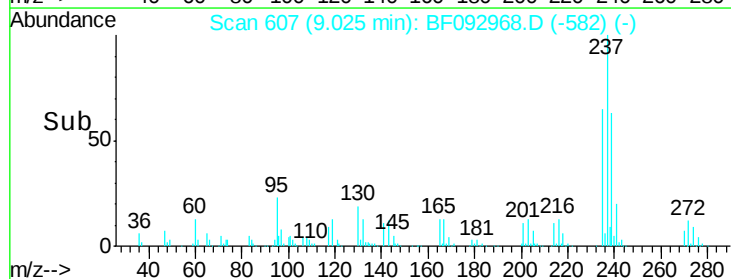
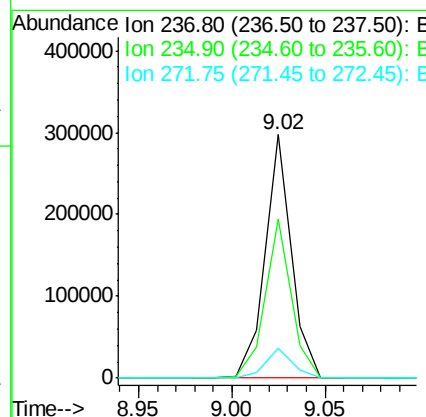
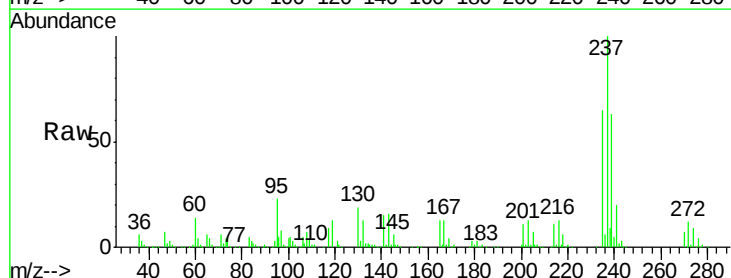
Manual Integrations  
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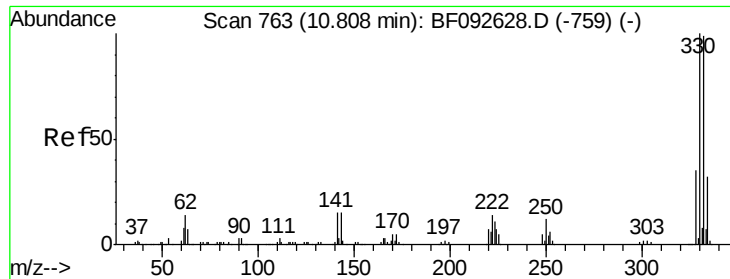
mohammad  
2/16/2017 11:37:57 AM



#40  
Hexachlorocyclopentadiene  
Concen: 64.35 ng  
RT: 9.02 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 289672 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 65.2  | 41.2  | 81.2   |
| 272       | 12.2  | 0.0   | 35.4   |





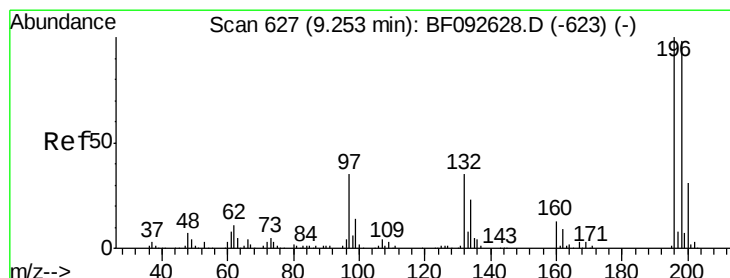
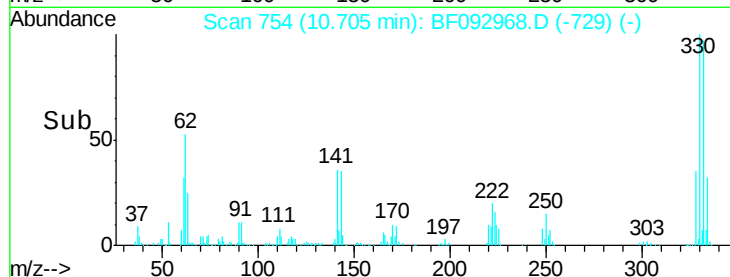
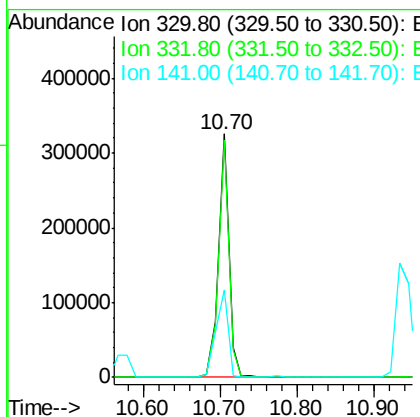
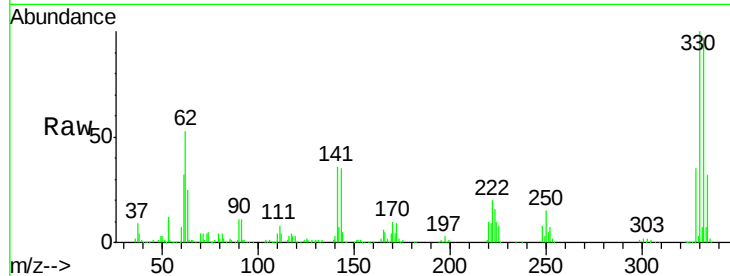
#41  
 2,4,6-Tribromophenol  
 Concen: 120.69 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 310280 |       |       |
| 332     | 96.4  | 77.4   | 116.2 |       |
| 141     | 41.4  | 34.1   | 51.1  |       |

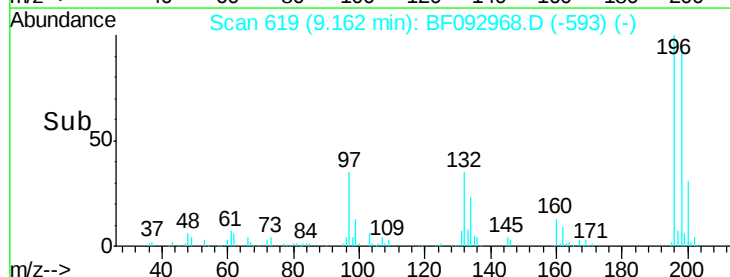
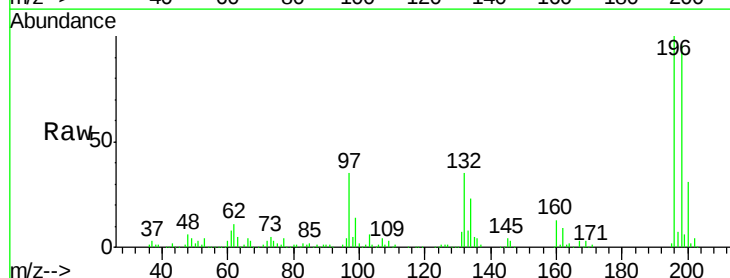
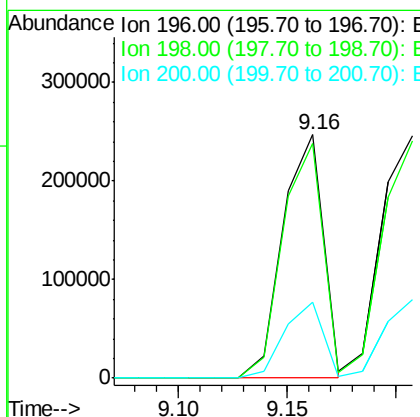
Manual Integrations  
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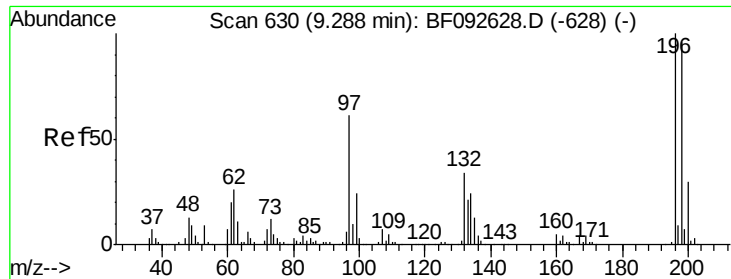
mohammad  
 2/16/2017 11:37:57 AM



#42  
 2,4,6-Trichlorophenol  
 Concen: 48.84 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. 0.00 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 320206 |       |       |
| 198     | 96.1  | 82.1   | 123.1 |       |
| 200     | 31.3  | 27.0   | 40.4  |       |





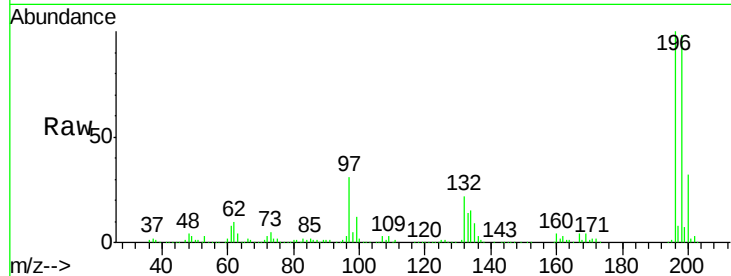
#43  
2,4,5-Trichlorophenol  
Concen: 45.59 ng  
RT: 9.21 min Scan# 623  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 327530 |       |       |
| 198     | 97.9  | 79.4   | 119.2 |       |
| 97      | 30.8  | 51.5   | 77.3  |       |
| 132     | 22.1  | 27.4   | 41.2  |       |

Manual Integrations  
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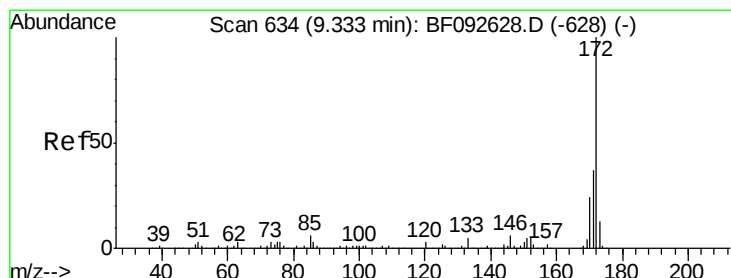
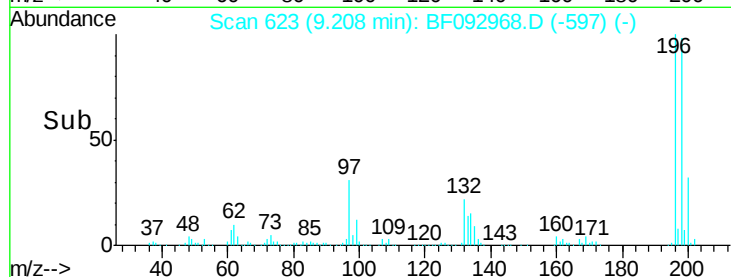
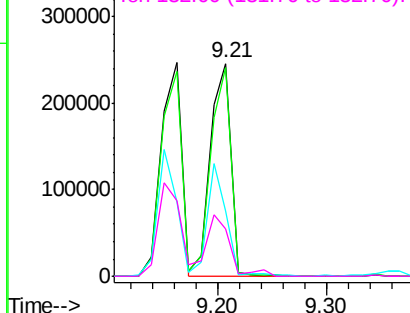
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
2-Fluorobiphenyl  
Concen: 96.23 ng  
RT: 9.24 min Scan# 626  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

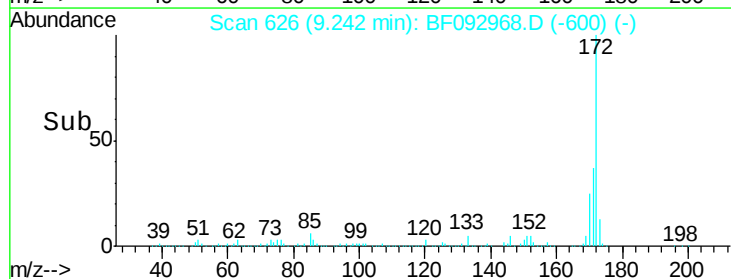
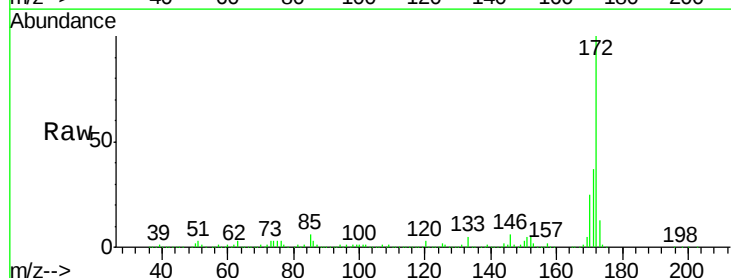
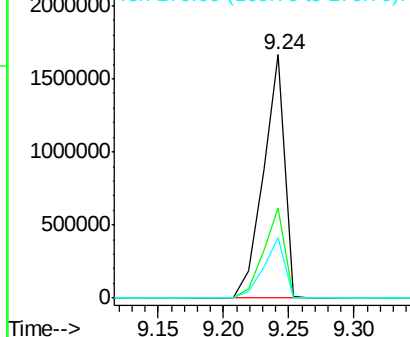
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1888074 |       |       |
| 171     | 36.8  | 29.4    | 44.0  |       |
| 170     | 24.9  | 20.2    | 30.4  |       |

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





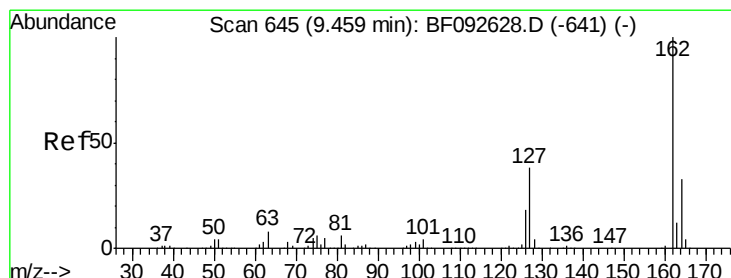
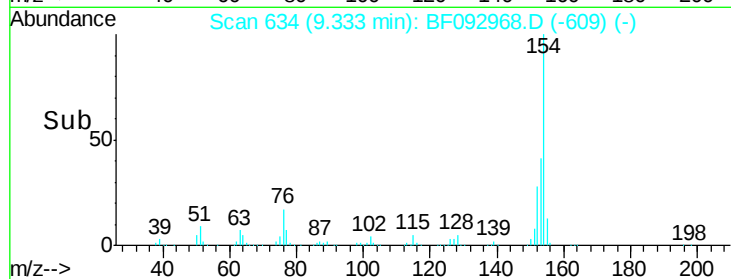
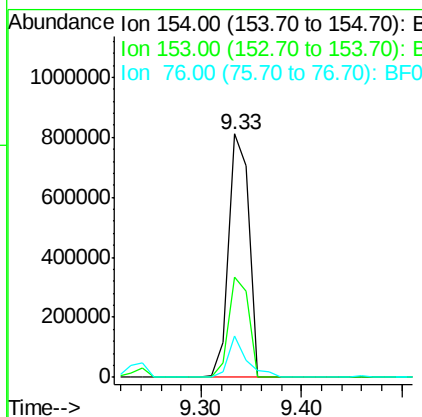
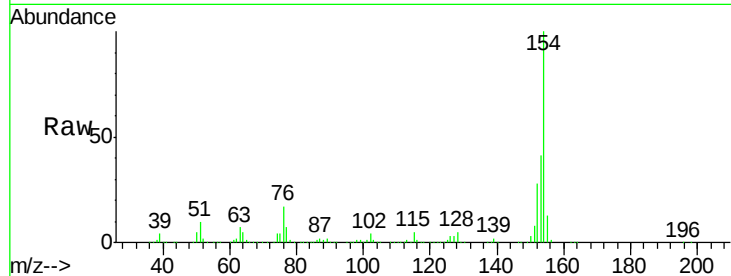
#45  
 1,1'-Biphenyl  
 Concen: 43.82 ng  
 RT: 9.33 min Scan# 634  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

Tgt Ion:154 Resp: 1127943  
 Ion Ratio Lower Upper  
 154 100  
 153 40.9 20.9 60.9  
 76 16.9 0.0 30.5

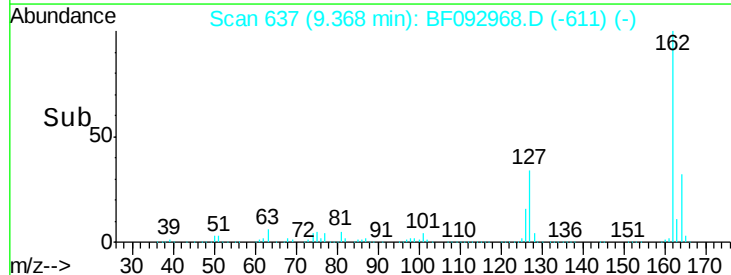
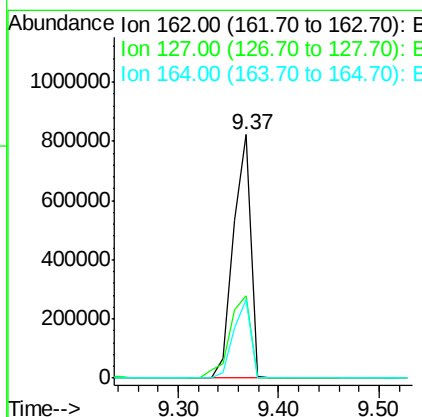
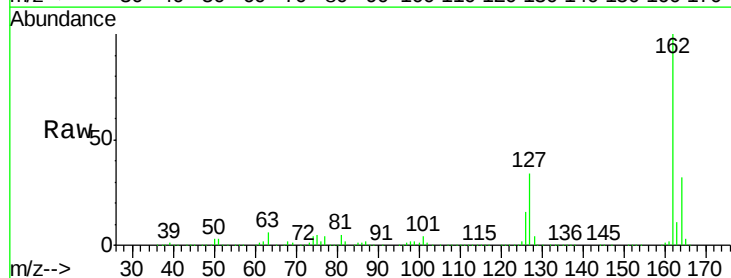
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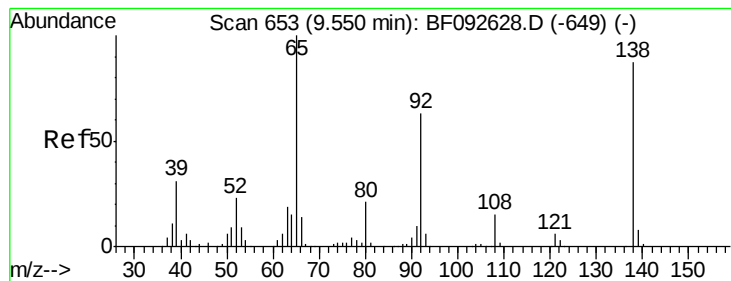
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#46  
 2-Chloronaphthalene  
 Concen: 48.80 ng  
 RT: 9.37 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Tgt Ion:162 Resp: 982477  
 Ion Ratio Lower Upper  
 162 100  
 127 33.9 30.7 46.1  
 164 32.4 27.6 41.4





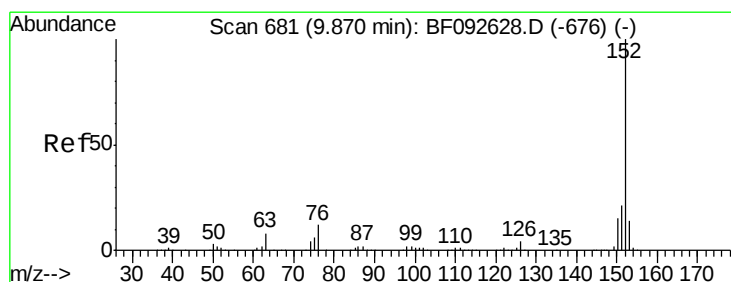
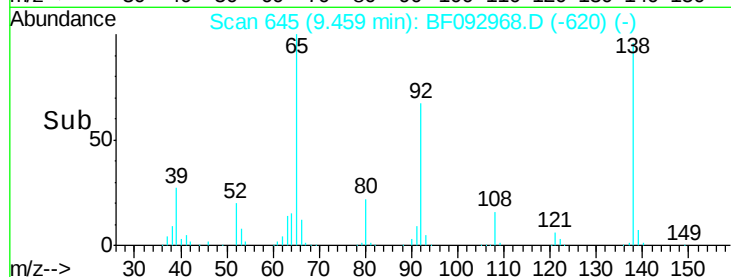
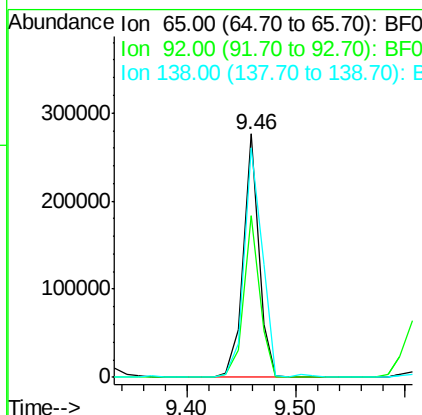
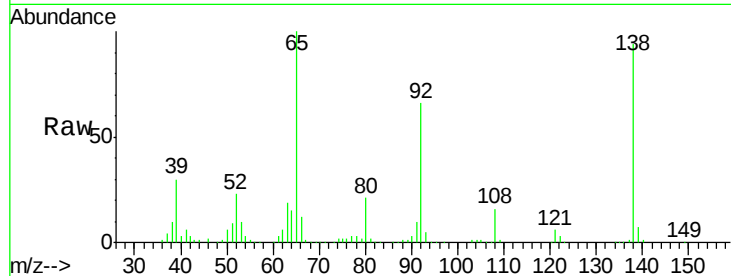
#47  
2-Nitroaniline  
Concen: 40.37 ng  
RT: 9.46 min Scan# 645  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

Tgt Ion: 65 Resp: 273312  
Ion Ratio Lower Upper  
65 100  
92 66.3 53.9 80.9  
138 94.4 76.8 115.2

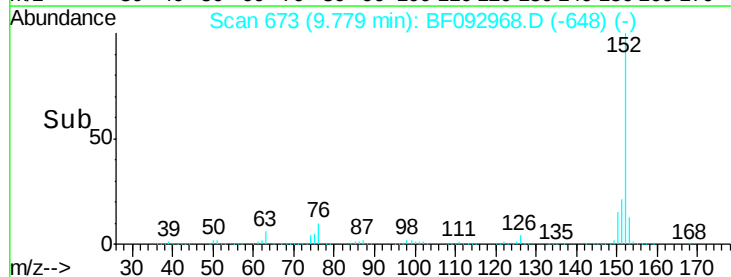
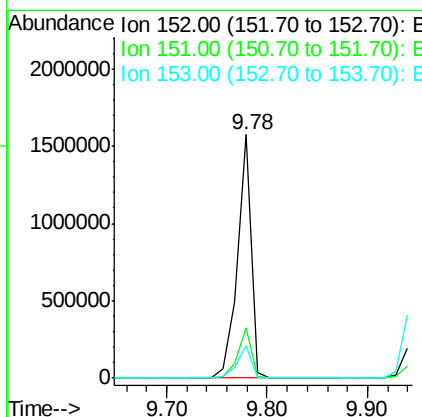
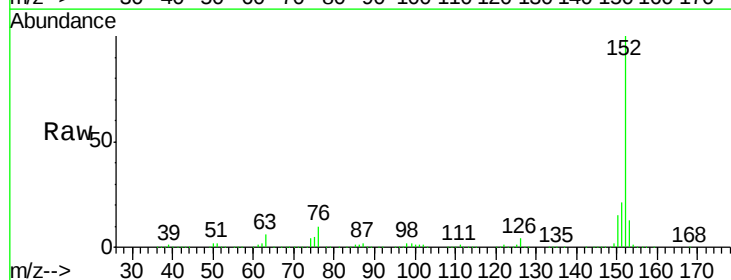
Manual Integrations  
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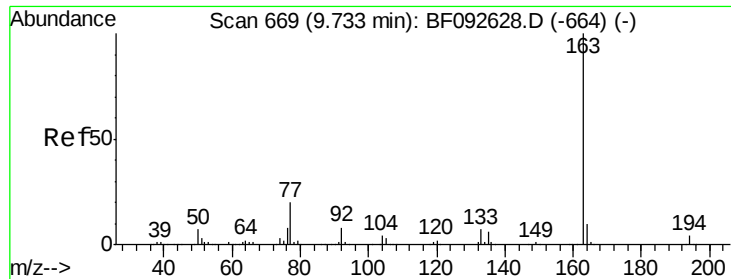
mohammad  
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#48  
Acenaphthylene  
Concen: 42.75 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Tgt Ion: 152 Resp: 1486910  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.9 25.3  
153 13.5 11.4 17.2





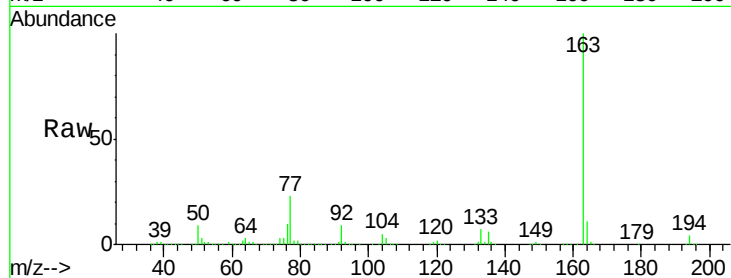
#49  
Dimethylphthalate  
Concen: 65.94 ng  
RT: 9.64 min Scan# 661  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

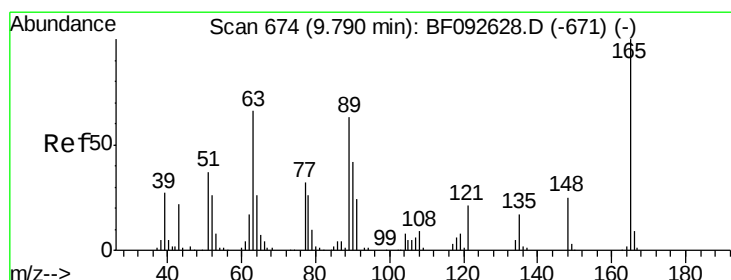
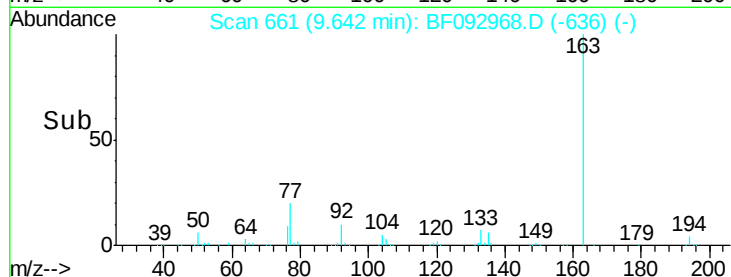
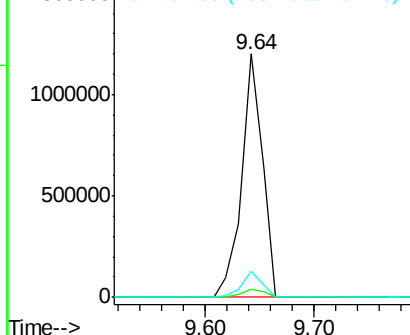
Tgt Ion:163 Resp: 1578668  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.0 4.4  
164 10.7 8.0 12.0

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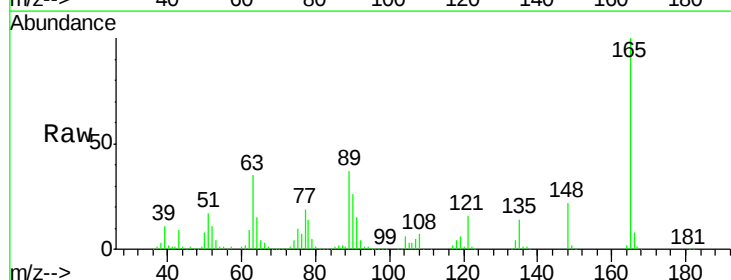


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

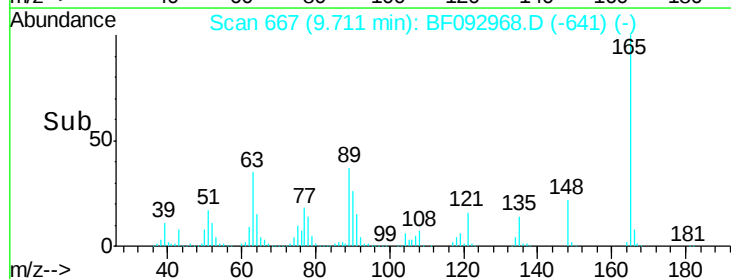
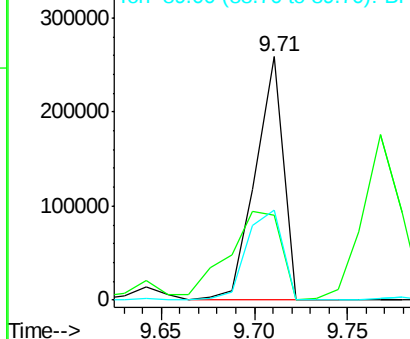


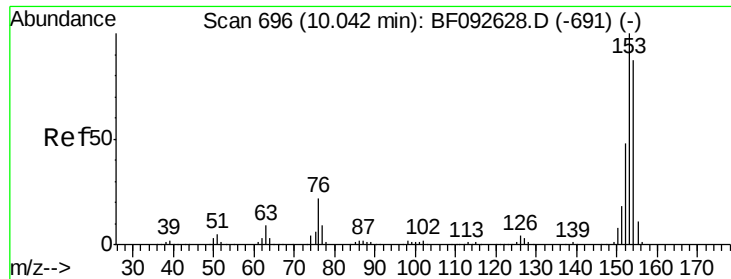
#50  
2,6-Dinitrotoluene  
Concen: 51.69 ng  
RT: 9.71 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Tgt Ion:165 Resp: 267259  
Ion Ratio Lower Upper  
165 100  
63 34.9 36.2 54.4#  
89 37.0 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.36 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

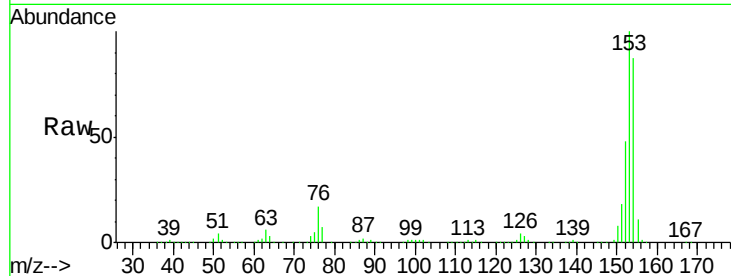
ClientSampleId :

H-1MSD

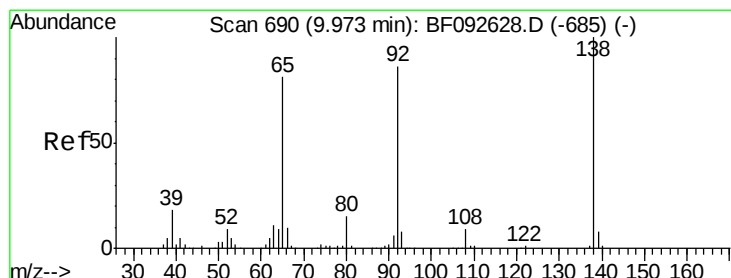
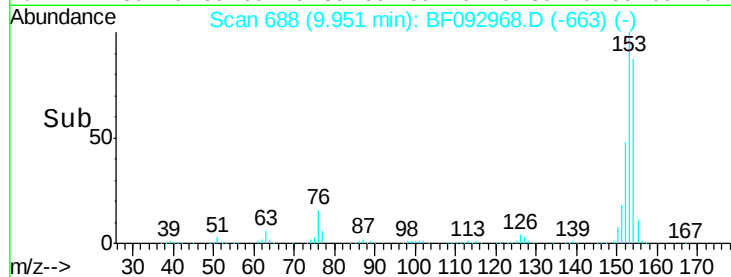
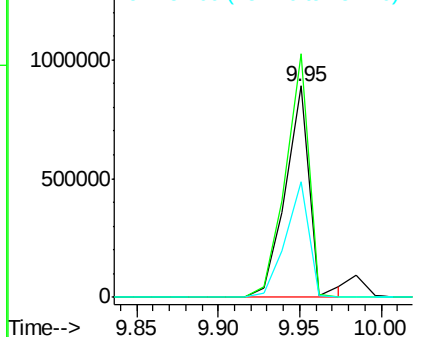
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 922563 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.1 | 88.6  | 133.0  |
| 152       | 54.9  | 41.6  | 62.4   |

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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: 14.87 ng

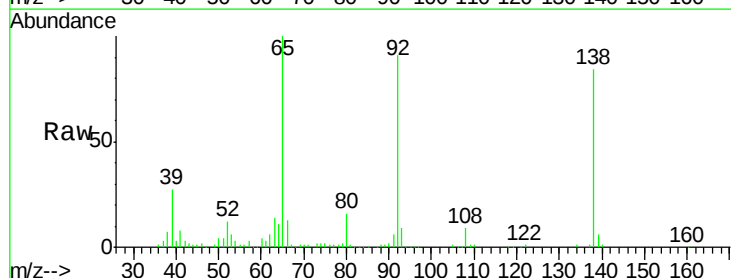
RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

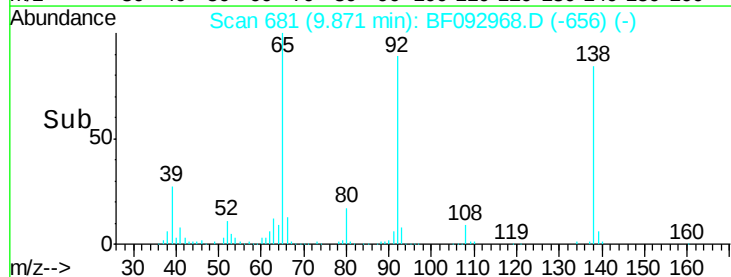
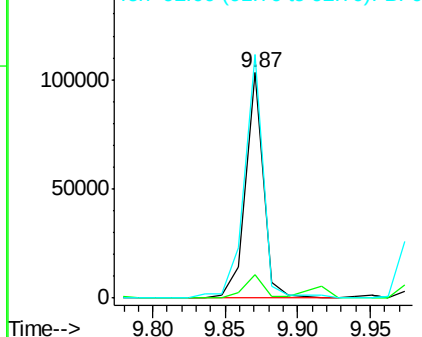
Lab File: BF092968.D

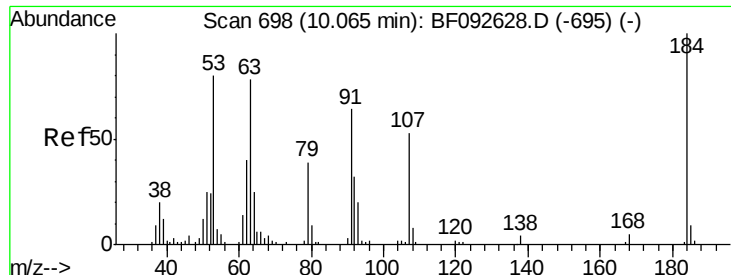
Acq: 15 Feb 2017 23:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 87985 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.6  | 8.5   | 12.7  |
| 92        | 108.2 | 97.8  | 146.8 |



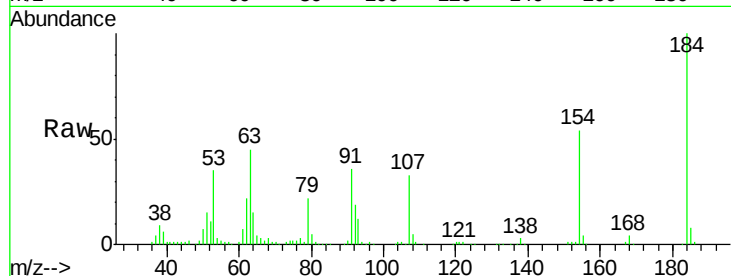
Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0





#53  
2,4-Dinitrophenol  
Concen: 67.62 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

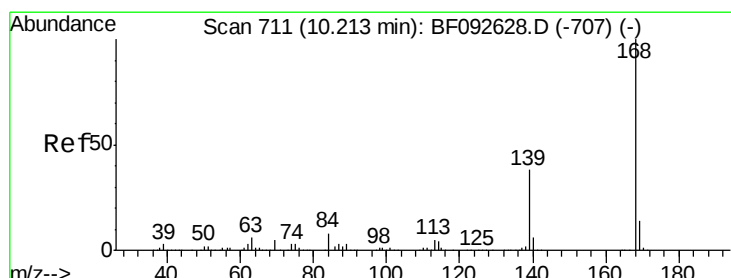
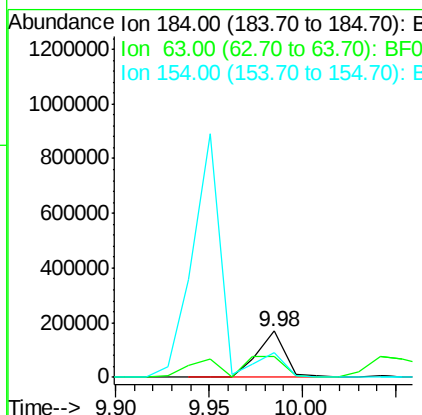
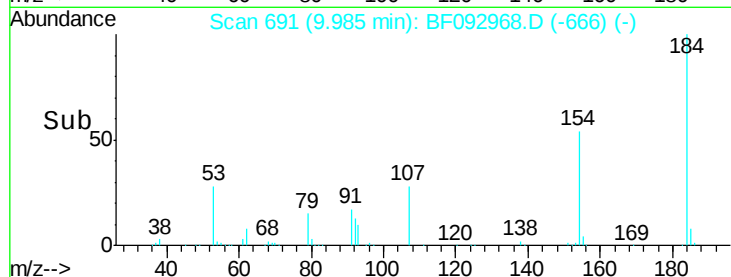
Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD



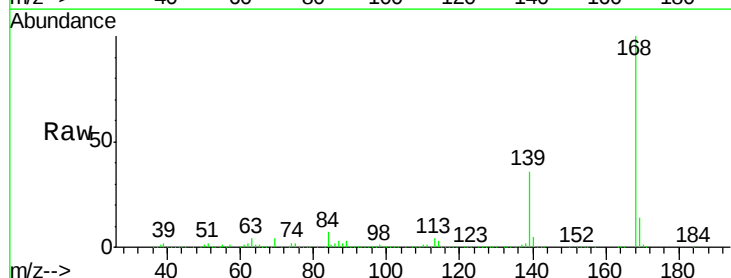
Tgt Ion:184 Resp: 175803  
Ion Ratio Lower Upper  
184 100  
63 45.4 28.4 42.6#  
154 53.9 44.3 66.5

Manual Integrations  
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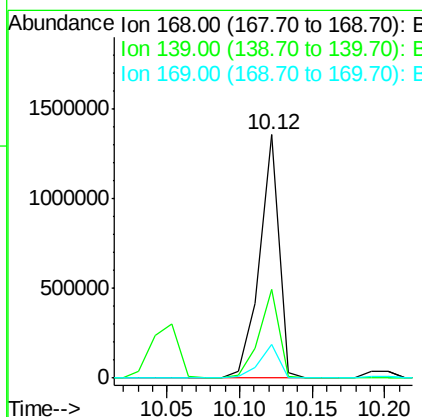
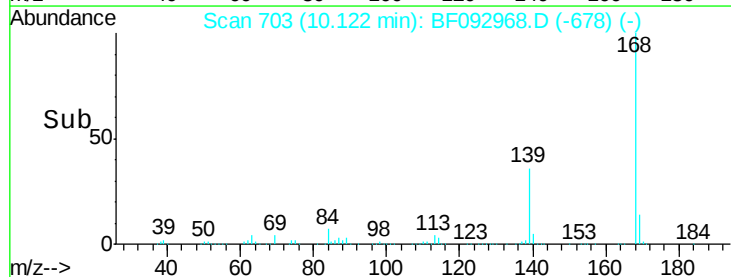
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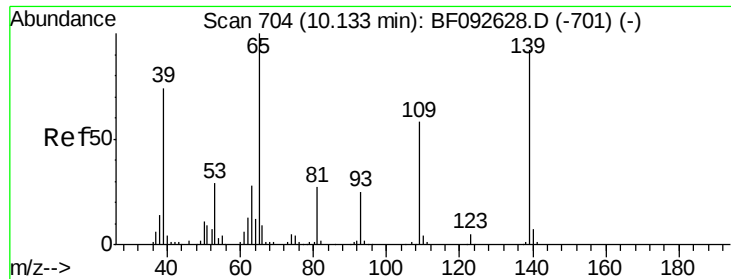


#54  
Dibenzofuran  
Concen: 45.46 ng  
RT: 10.12 min Scan# 703  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09



Tgt Ion:168 Resp: 1264527  
Ion Ratio Lower Upper  
168 100  
139 36.5 32.6 49.0  
169 13.6 11.3 16.9





#55

4-Nitrophenol

Concen: 94.87 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

H-1MSD

Tgt Ion:139 Resp: 404305  
Ion Ratio Lower Upper

139 100

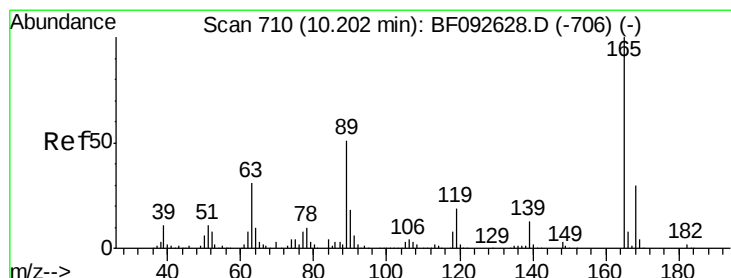
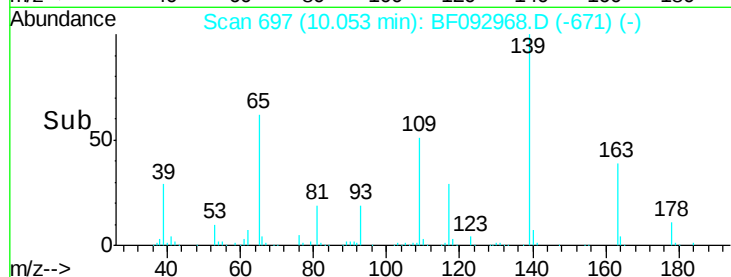
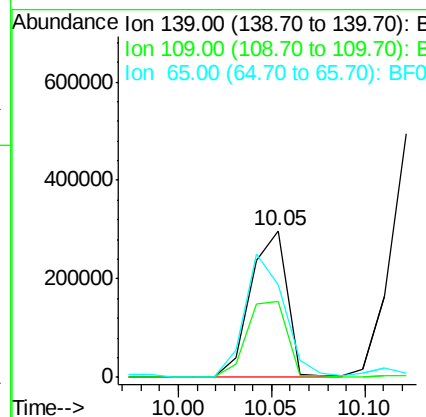
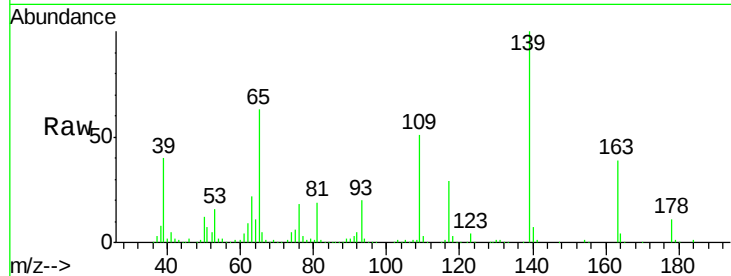
109 51.3 52.2 92.2#

65 63.1 85.8 125.8#

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#56

2,4-Dinitrotoluene

Concen: 47.02 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

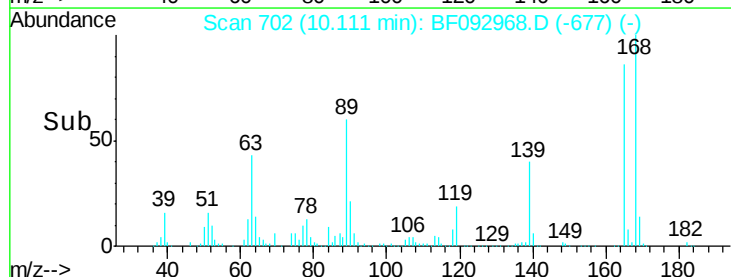
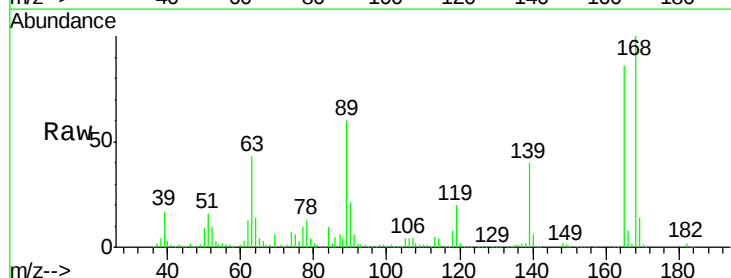
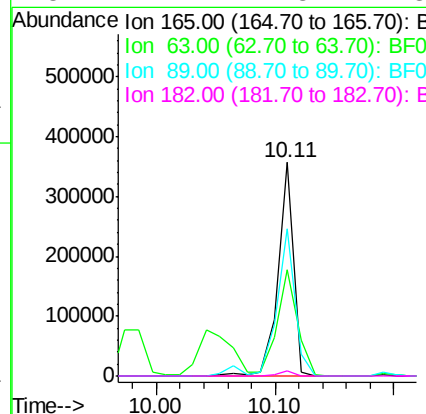
Tgt Ion:165 Resp: 323636  
Ion Ratio Lower Upper

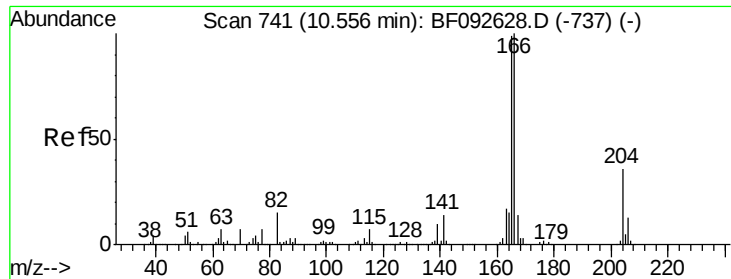
165 100

63 49.5 40.2 60.4

89 69.0 62.5 93.7

182 2.4 1.8 2.8





#57

Fluorene

Concen: 45.61 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

H-1MSD

Tgt Ion:166 Resp: 975972  
Ion Ratio Lower Upper

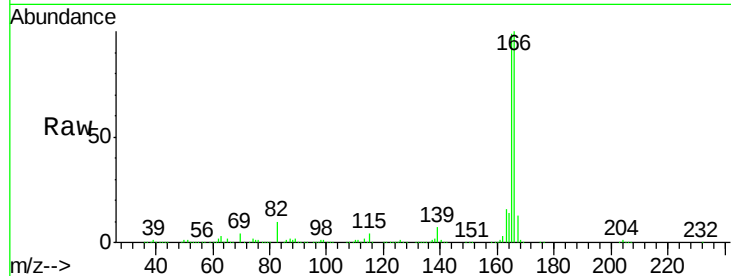
166 100

165 99.0 77.8 116.8

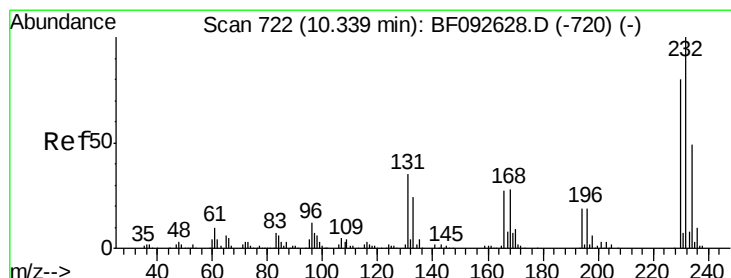
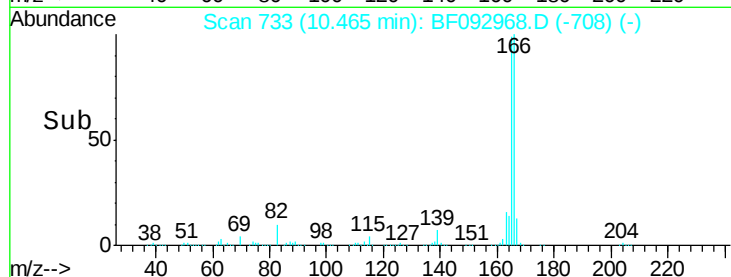
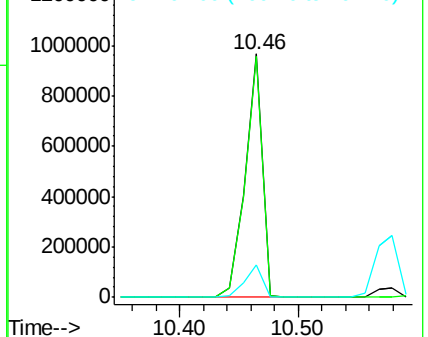
167 13.2 10.8 16.2

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Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.46 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Tgt Ion:232 Resp: 237017  
Ion Ratio Lower Upper

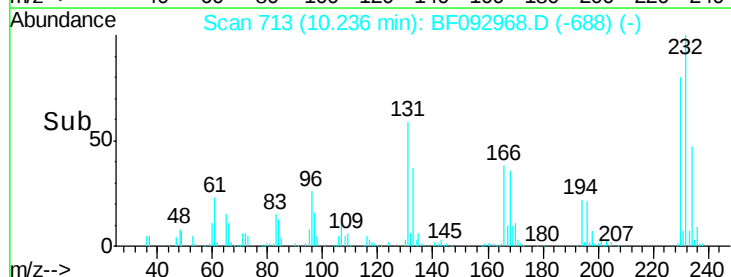
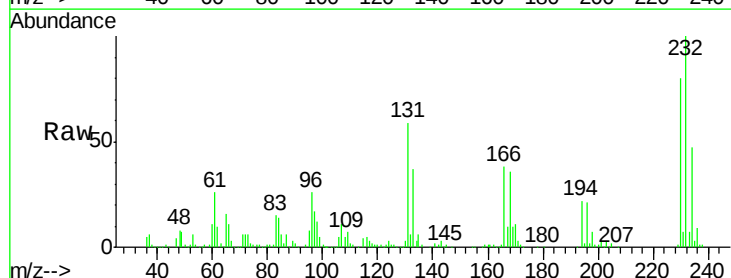
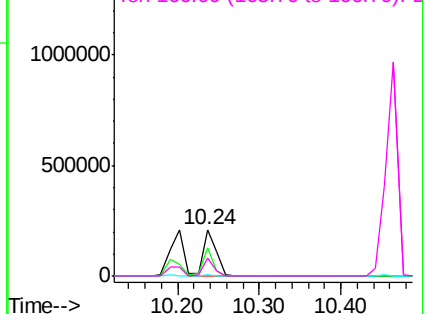
232 100

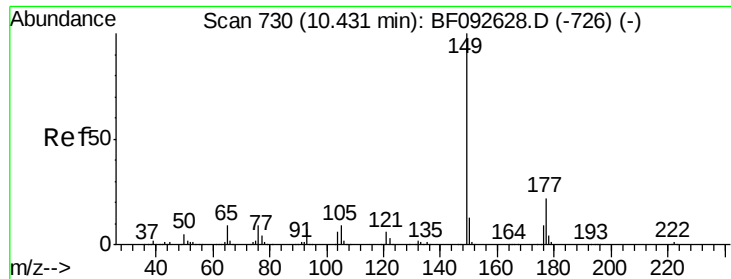
131 47.5 40.1 60.1

130 2.3 1.8 2.8

166 31.6 26.6 39.8

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





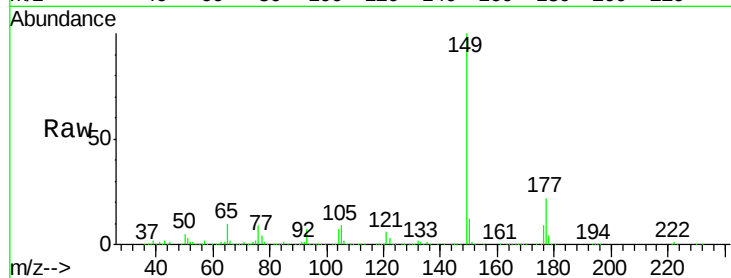
#59  
Diethylphthalate  
Concen: 45.10 ng  
RT: 10.34 min Scan# 722  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampled :  
H-1MSD

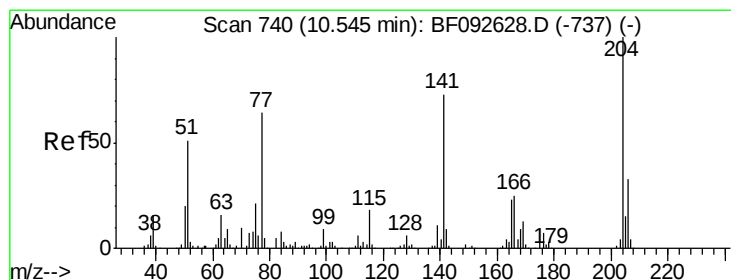
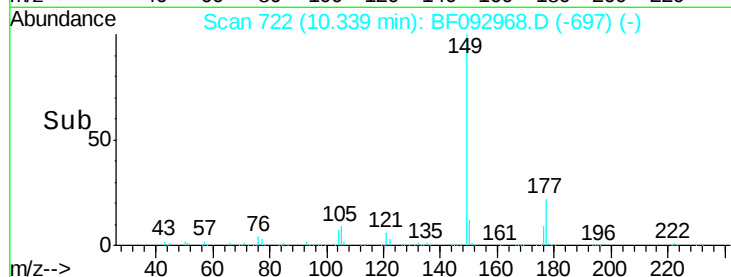
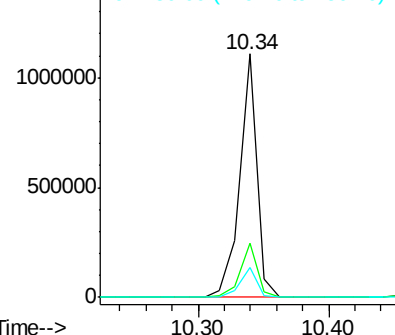
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.1  | 16.6  | 25.0  |
| 150     | 12.4  | 10.4  | 15.6  |

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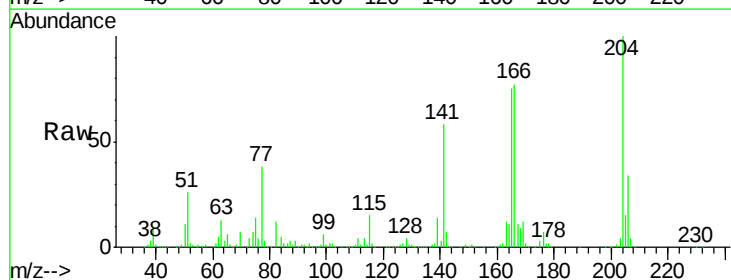


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

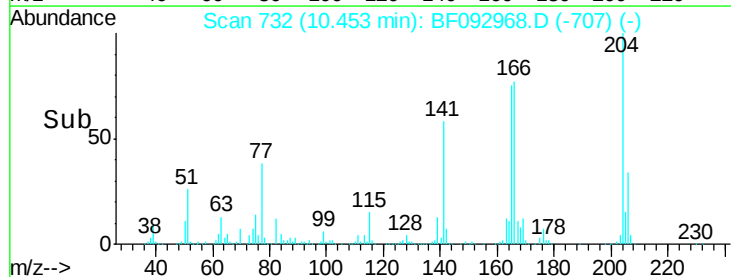
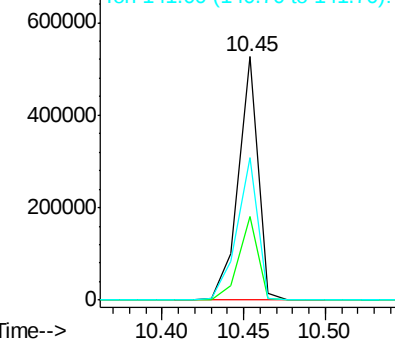


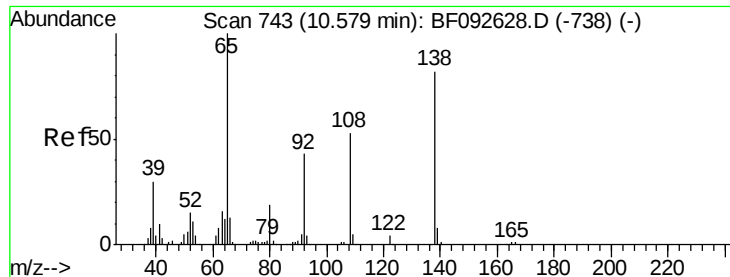
#60  
4-Chlorophenyl-phenylether  
Concen: 42.99 ng  
RT: 10.45 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.4  | 25.8  | 38.6  |
| 141     | 58.3  | 59.4  | 89.0# |



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.76 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

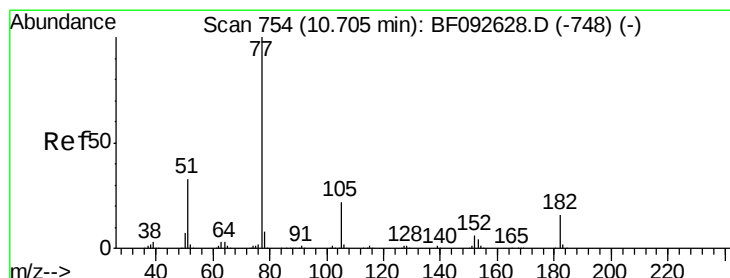
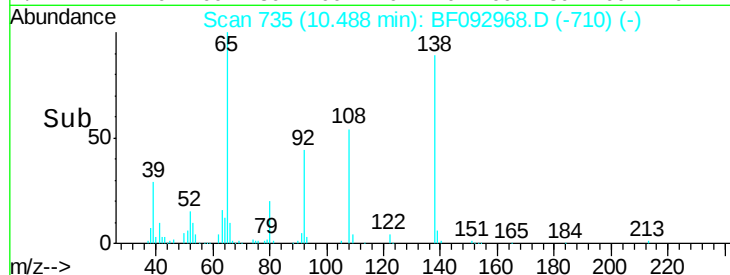
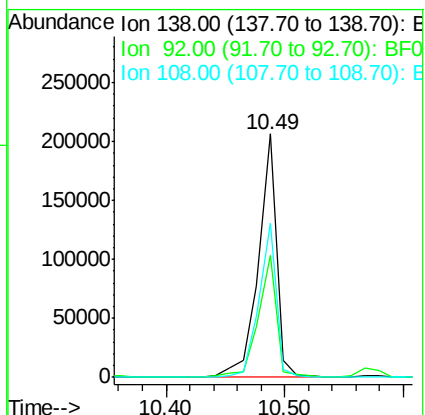
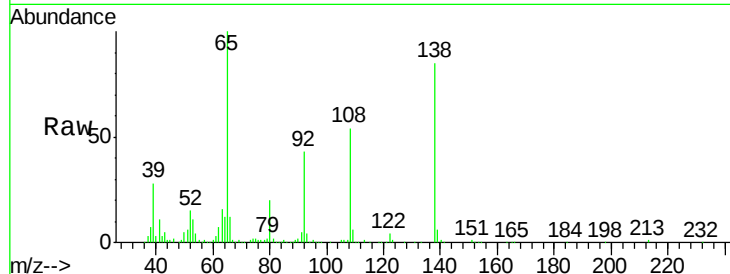
ClientSampleId :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 222784 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 50.2  | 31.7  | 71.7   |
| 108       | 63.1  | 52.6  | 92.6   |

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#62

Azobenzene

Concen: 45.64 ng m

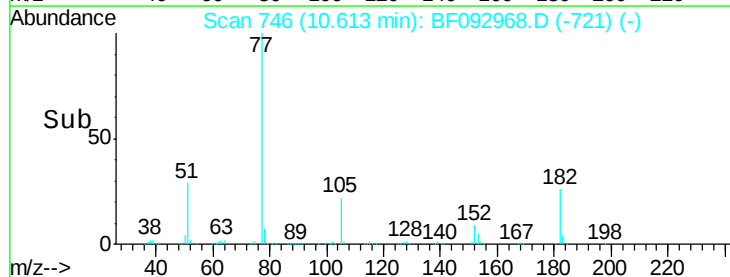
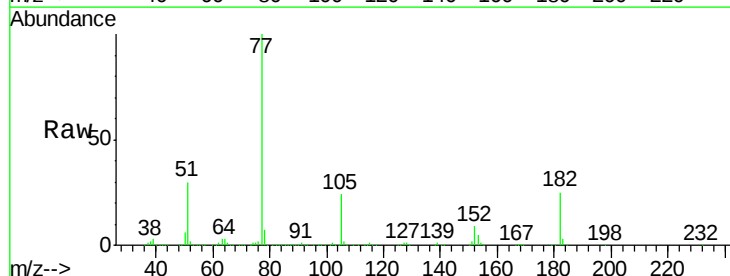
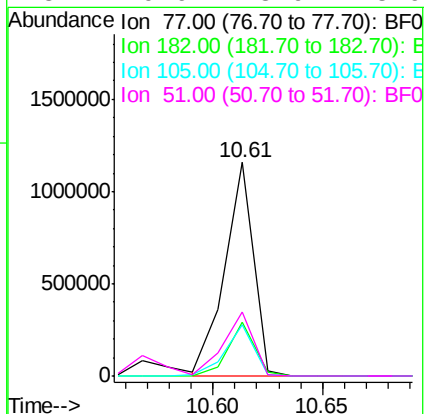
RT: 10.61 min Scan# 746

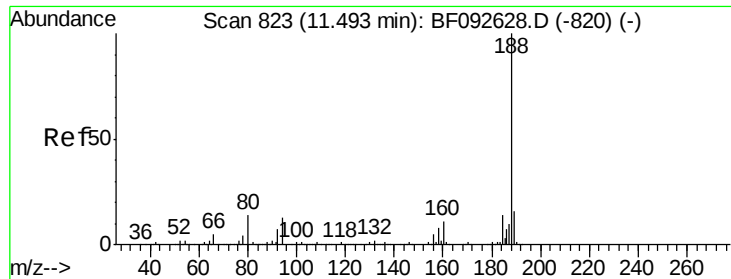
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 77    | Resp: | 1063968 |
| Ion Ratio | Lower | Upper |         |
| 77        | 100   |       |         |
| 182       | 25.2  | 0.0   | 39.3    |
| 105       | 24.2  | 2.3   | 42.3    |
| 51        | 29.9  | 8.9   | 48.9    |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

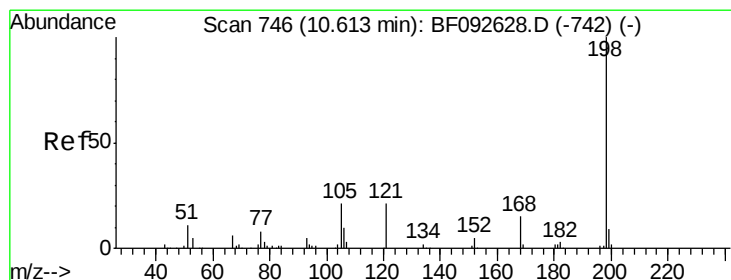
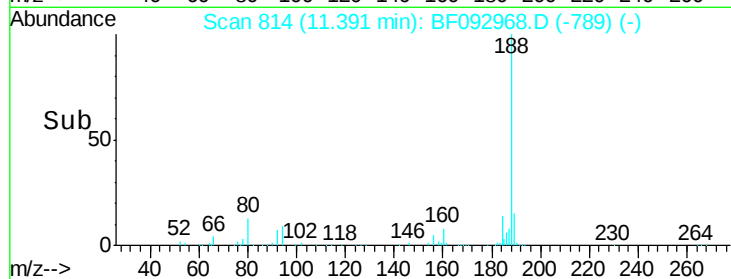
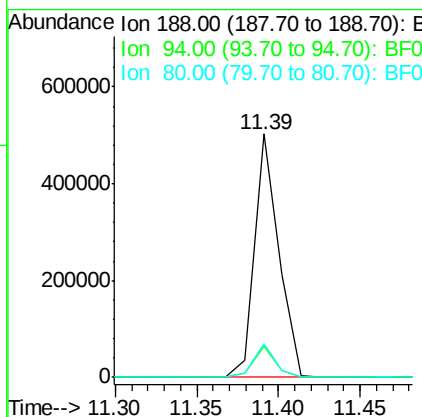
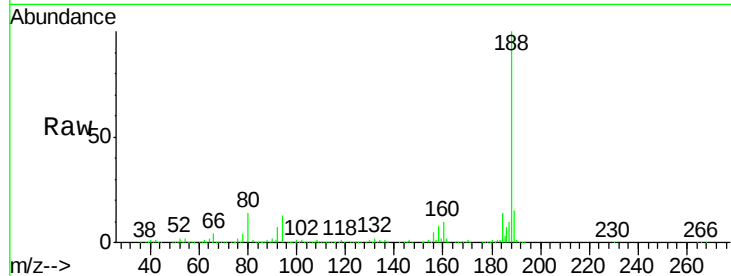
ClientSampleId :

H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 517729 |       |       |
| 94      | 12.8  |        | 10.0  | 15.0  |
| 80      | 13.7  |        | 11.2  | 16.8  |

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#64

4,6-Dinitro-2-methylphenol

Concen: 43.78 ng

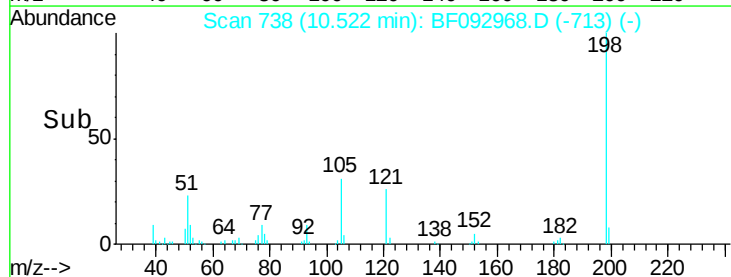
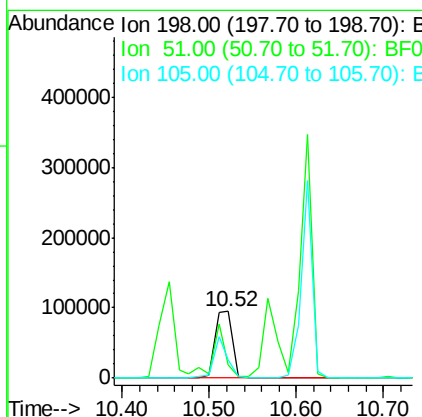
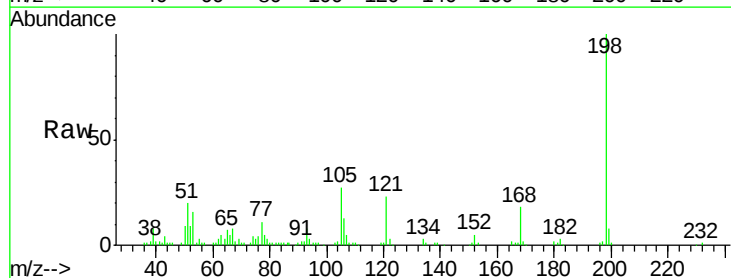
RT: 10.52 min Scan# 738

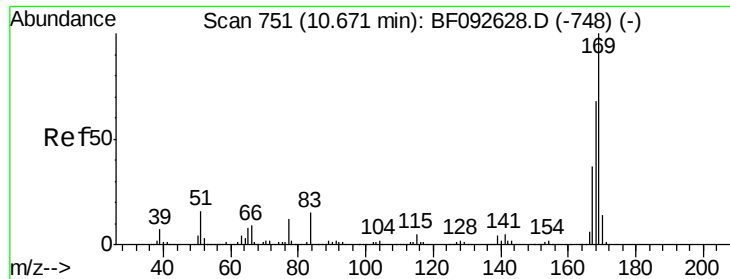
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 137184 |       |       |
| 51      | 19.9  |        | 6.7   | 46.7  |
| 105     | 26.9  |        | 16.6  | 56.6  |





#65

n-Nitrosodiphenylamine

Concen: 52.92 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

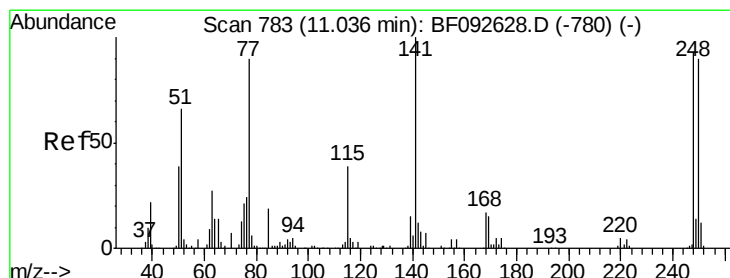
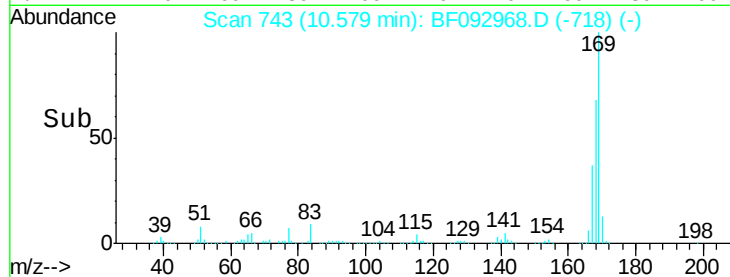
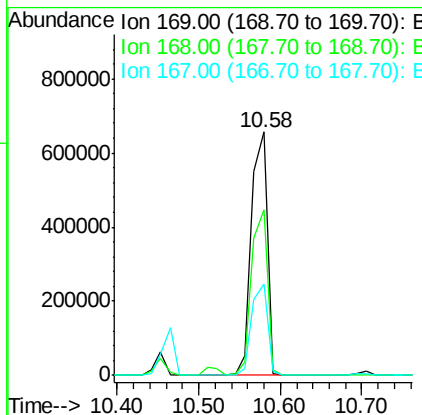
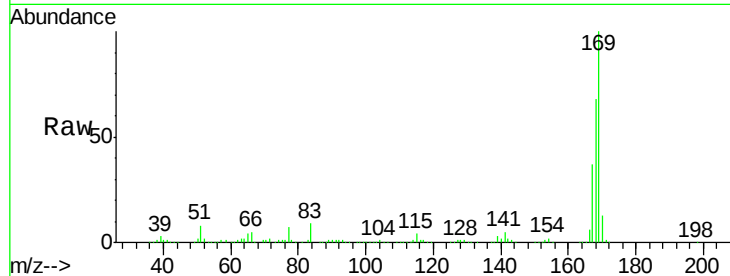
ClientSampleId :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 875180 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.9  | 54.2  | 81.2   |
| 167       | 37.4  | 30.2  | 45.4   |

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#66

4-Bromophenyl-phenylether

Concen: 50.96 ng

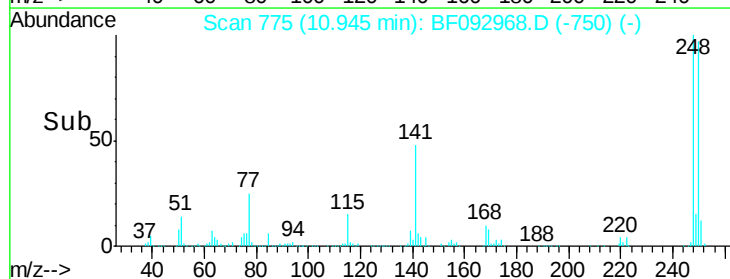
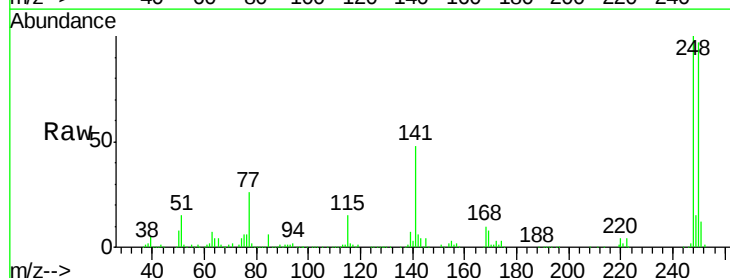
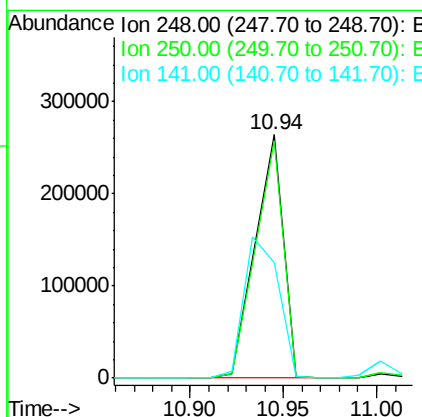
RT: 10.94 min Scan# 775

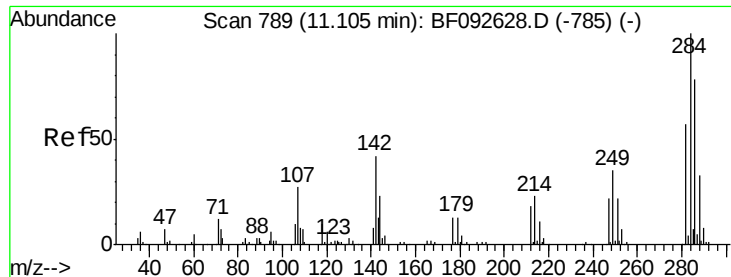
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 275651 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.4  | 76.9  | 115.3  |
| 141       | 47.6  | 68.2  | 102.4# |





#67

Hexachlorobenzene

Concen: 47.14 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

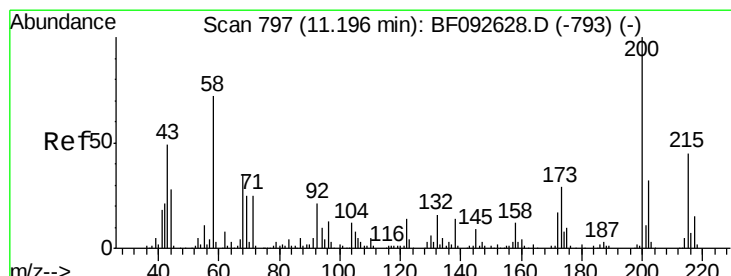
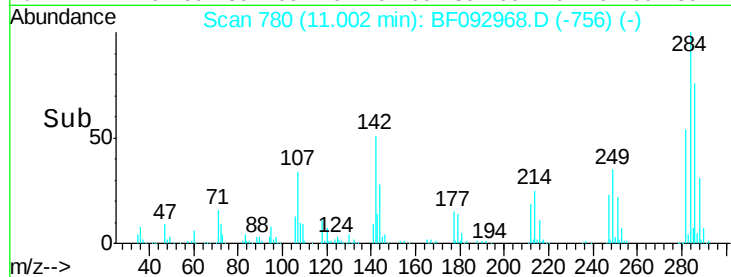
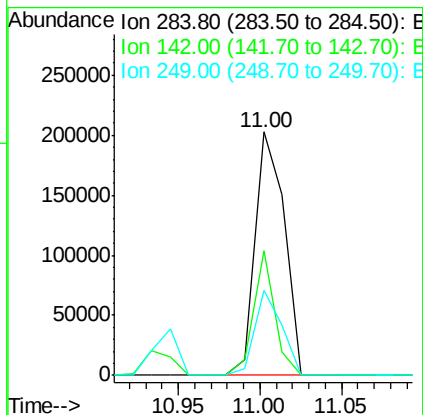
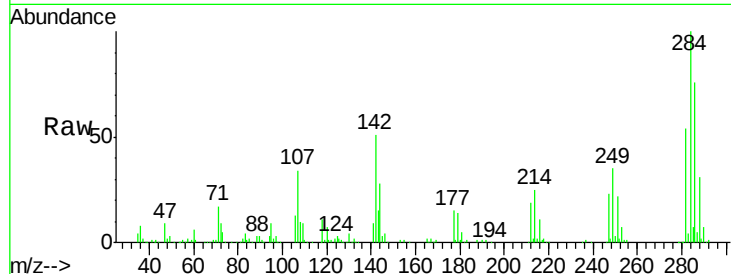
ClientSampled :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 251997 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 50.9  | 22.6  | 33.8#  |
| 249       | 34.8  | 25.4  | 38.0   |

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#68

Atrazine

Concen: 53.79 ng

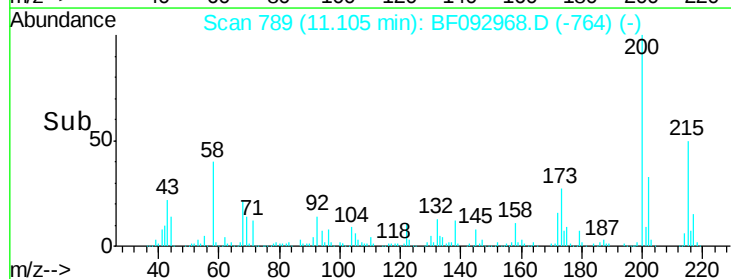
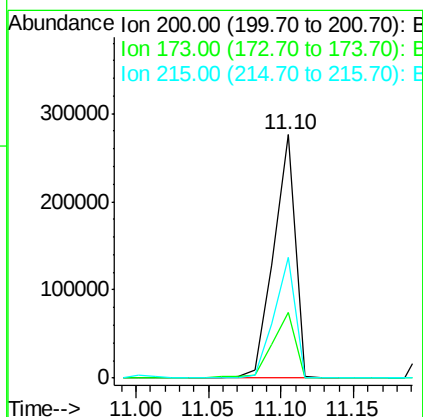
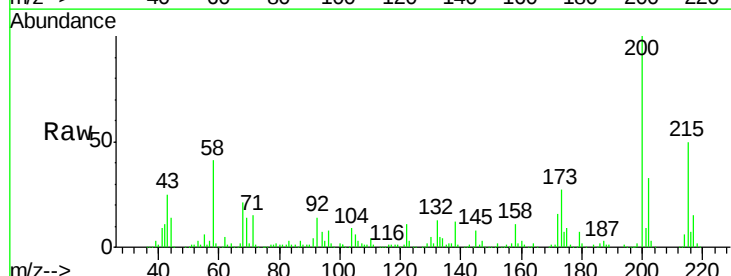
RT: 11.10 min Scan# 789

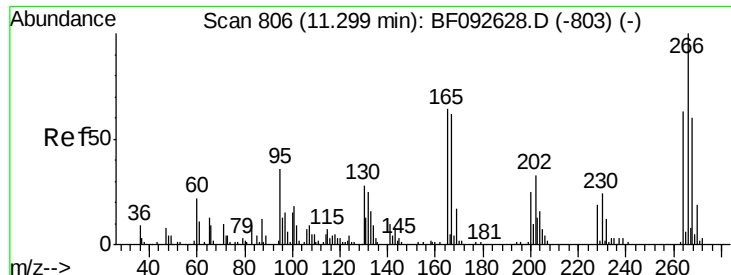
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 285467 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.0  | 9.6   | 49.6   |
| 215       | 49.6  | 25.7  | 65.7   |





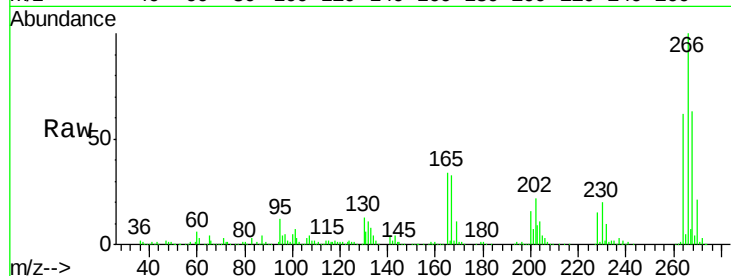
#69  
 Pentachlorophenol  
 Concen: 104.81 ng  
 RT: 11.21 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

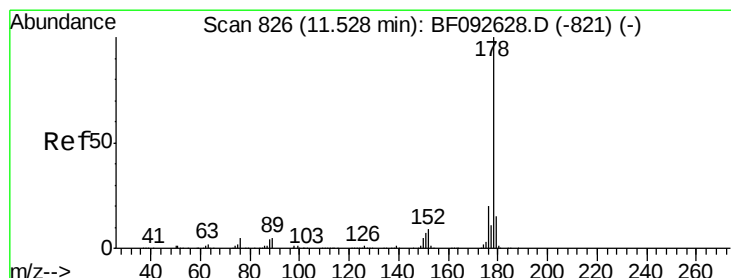
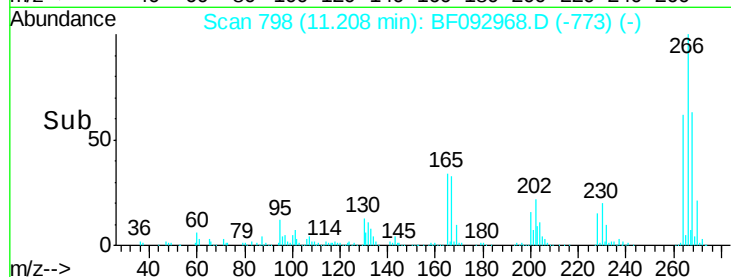
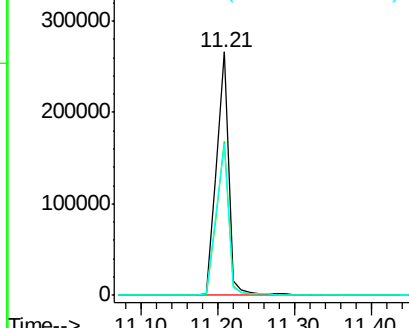
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 295967 |       |       |
| 268     | 63.5  | 53.3   | 79.9  |       |
| 264     | 62.0  | 50.3   | 75.5  |       |

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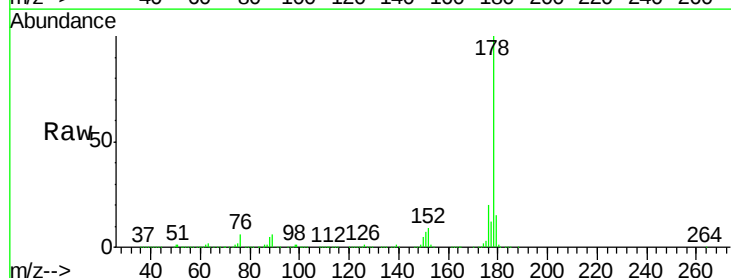


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

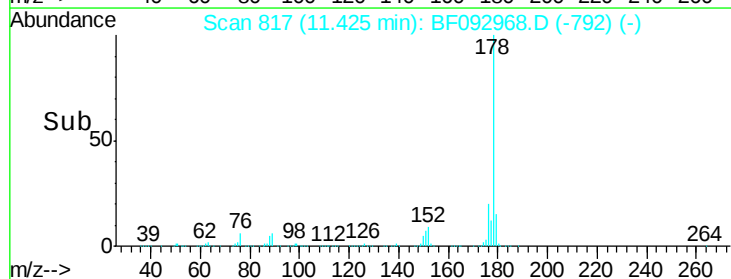
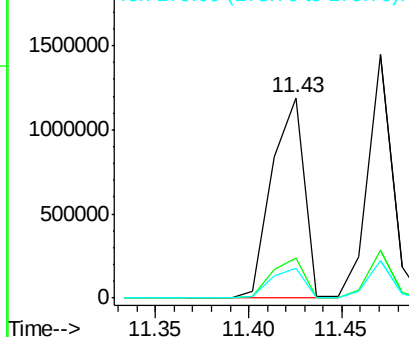


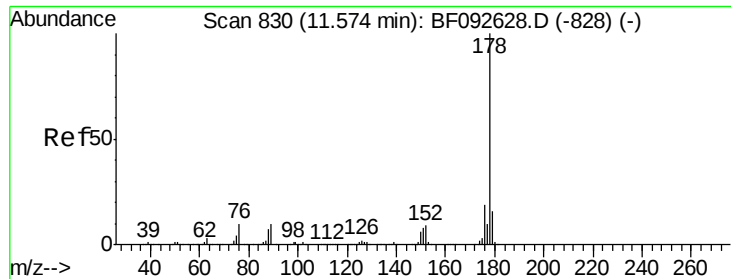
#70  
 Phenanthrene  
 Concen: 48.34 ng  
 RT: 11.43 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1433959 |       |       |
| 176     | 19.7  | 16.6    | 25.0  |       |
| 179     | 15.1  | 12.8    | 19.2  |       |



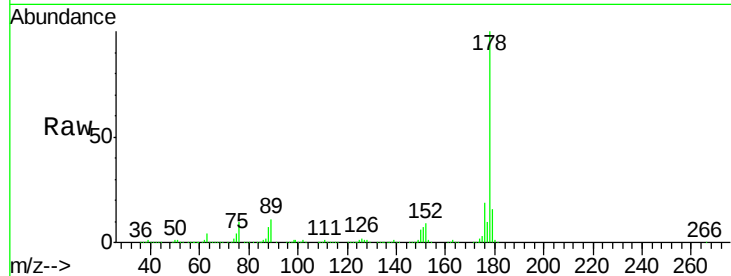
Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71  
 Anthracene  
 Concen: 43.52 ng  
 RT: 11.47 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

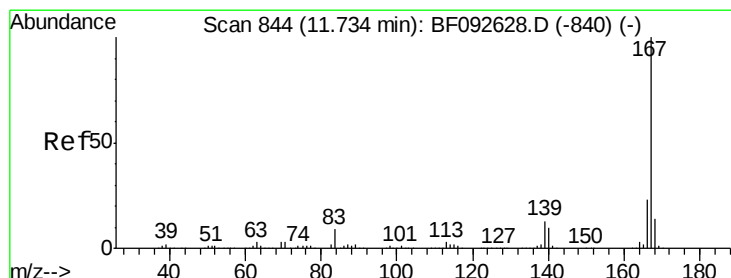
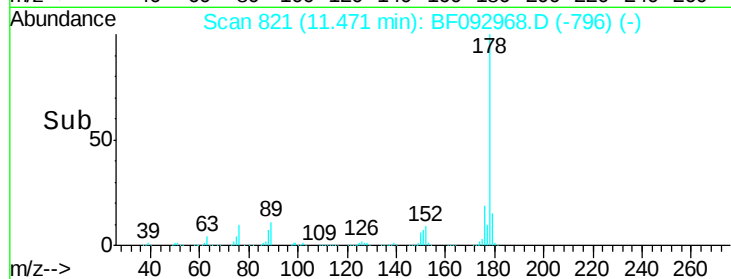
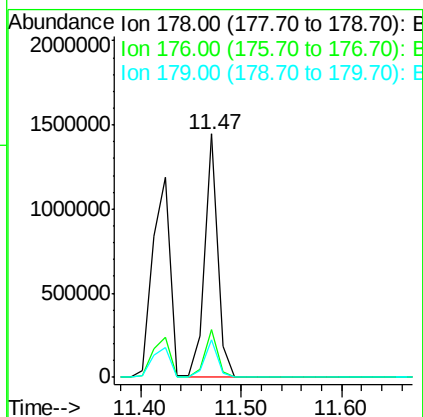
Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD



Tgt Ion:178 Resp: 1296348  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.9 23.9  
 179 15.5 13.2 19.8

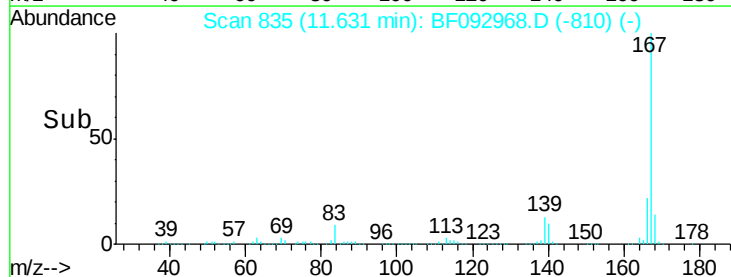
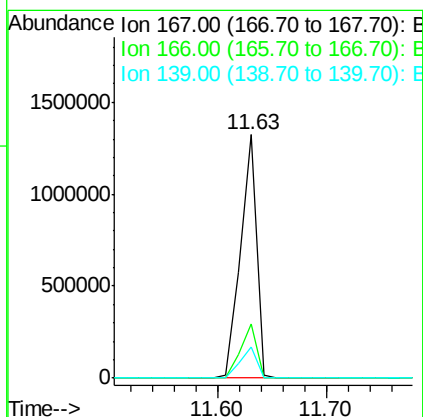
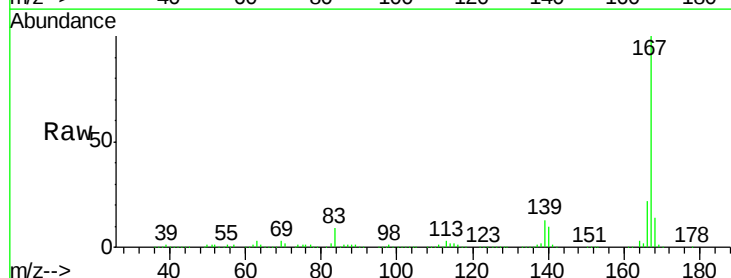
Manual Integrations  
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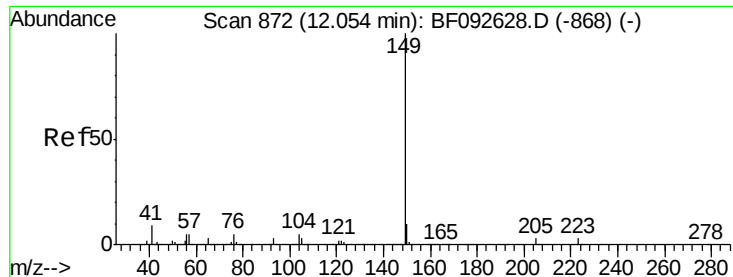
mohammad  
 2/16/2017 11:37:57 AM



#72  
 Carbazole  
 Concen: 46.76 ng  
 RT: 11.63 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Tgt Ion:167 Resp: 1331297  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.2 27.2  
 139 12.6 11.4 17.2





#73

Di-n-butylphthalate

Concen: 50.15 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.02 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

ClientSampleId :

H-1MSD

Tgt Ion:149 Resp: 1544273

Ion Ratio Lower Upper

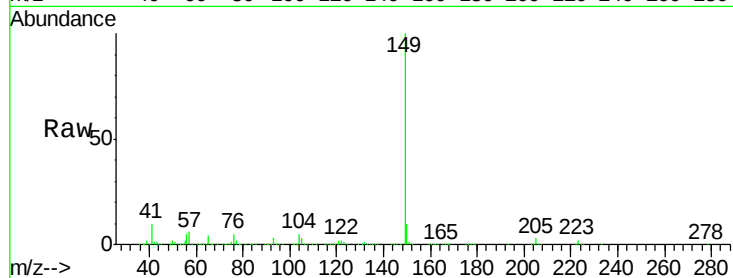
149 100

150 9.6 8.1 12.1

104 4.7 4.6 7.0

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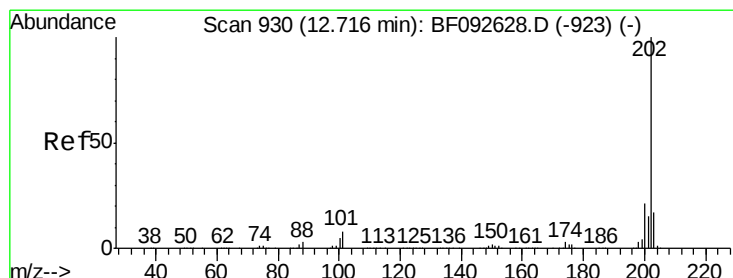
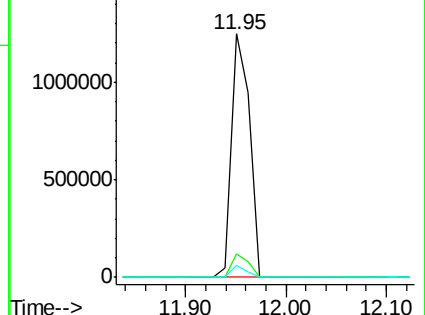
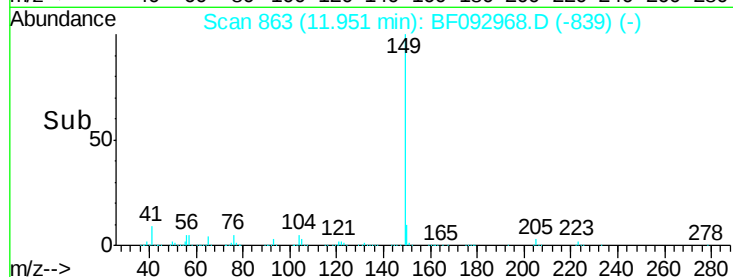
mohammad  
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.09 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

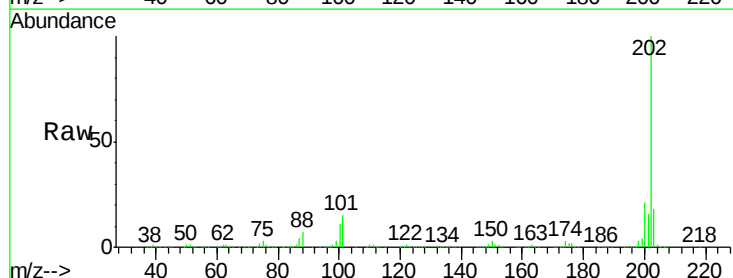
Tgt Ion:202 Resp: 1257230

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.6

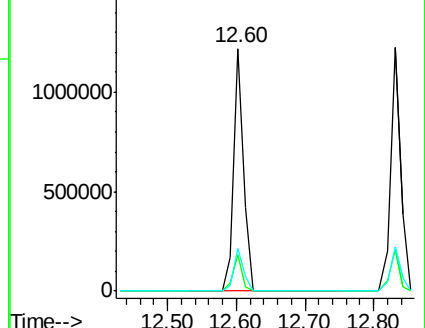
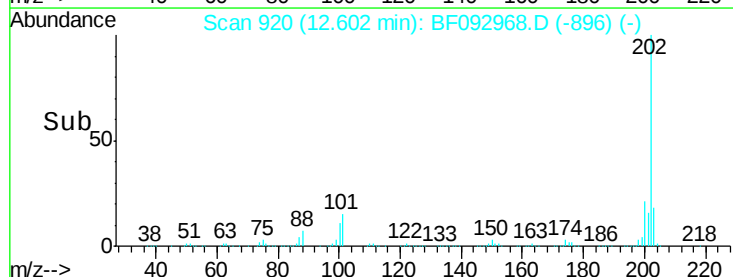
203 17.6 0.0 38.7

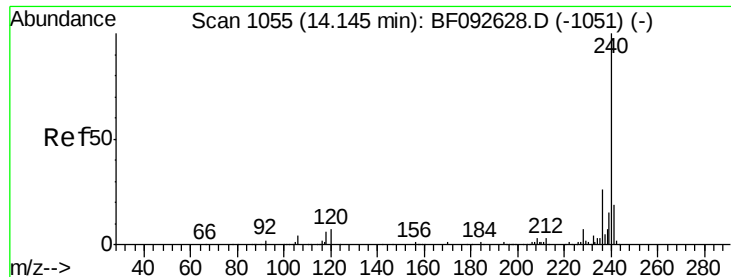


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

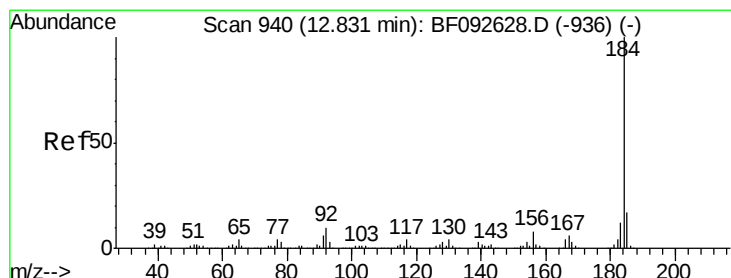
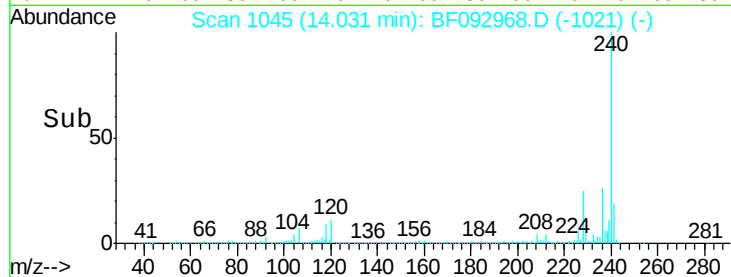
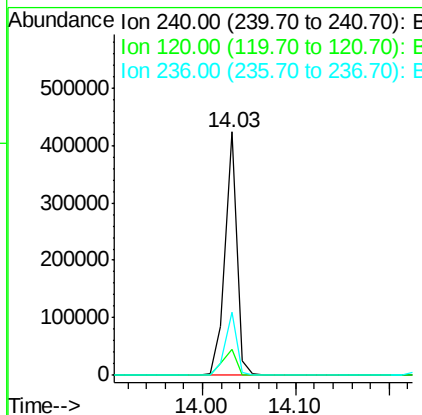
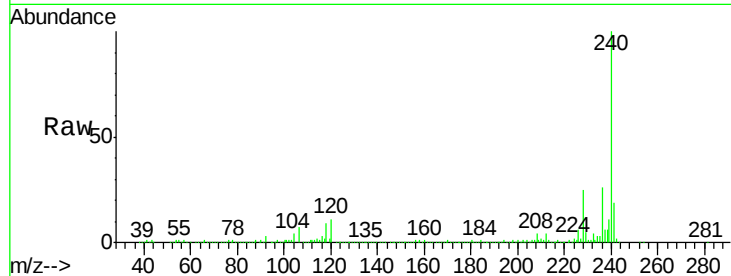
ClientSampleId :

H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.7  | 12.9  | 19.3# |
| 236     | 26.2  | 20.9  | 31.3  |

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#76

Benzidine

Concen: 19.91 ng

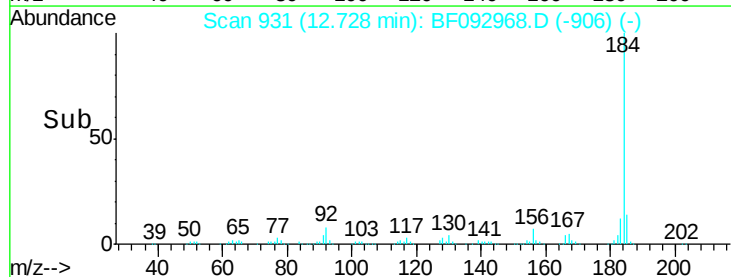
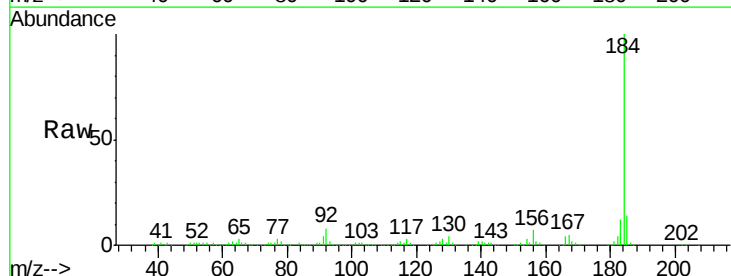
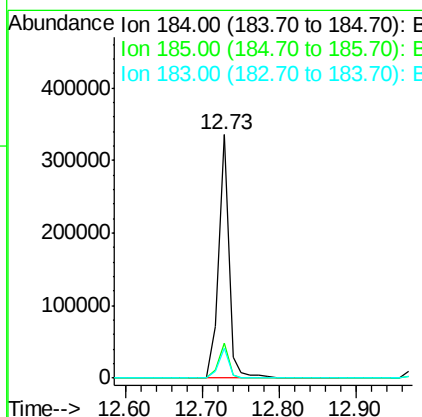
RT: 12.73 min Scan# 931

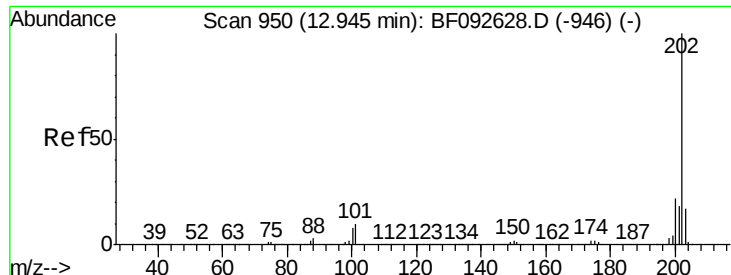
Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.2  | 13.4  | 20.0  |
| 183     | 12.3  | 9.2   | 13.8  |





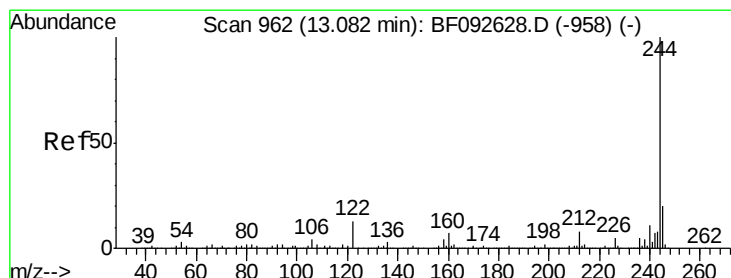
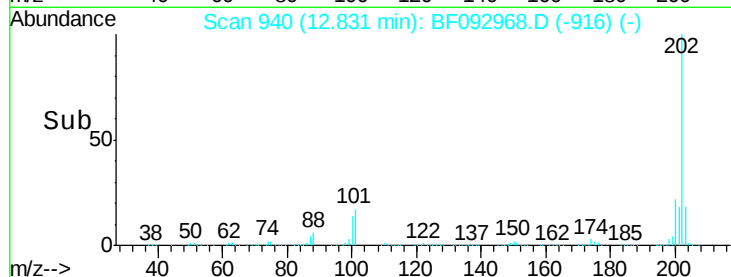
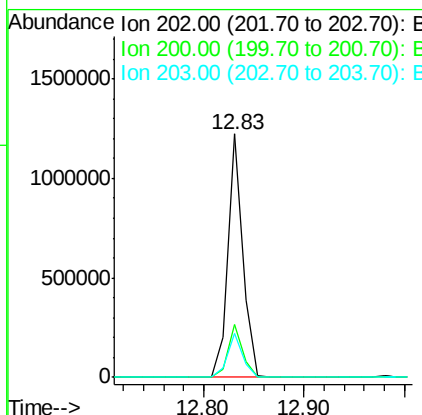
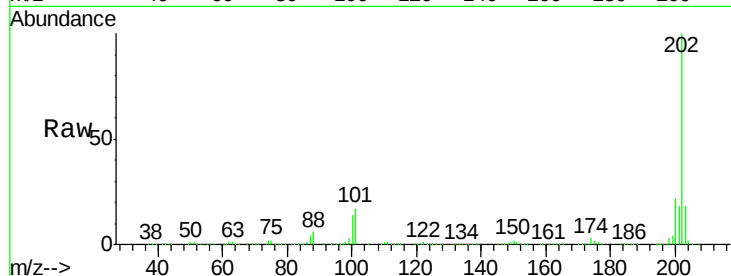
#77  
 Pyrene  
 Concen: 45.18 ng  
 RT: 12.83 min Scan# 940  
 Delta R.T. -0.02 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.9  | 17.7  | 26.5  |
| 203     | 17.8  | 14.7  | 22.1  |

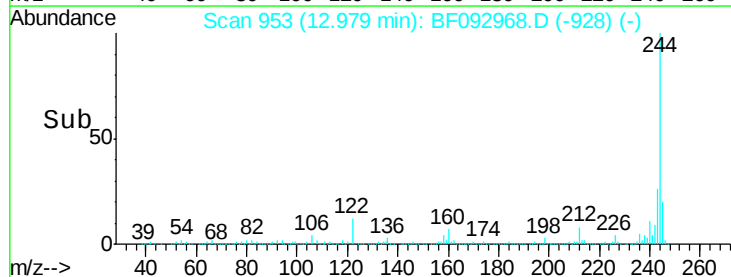
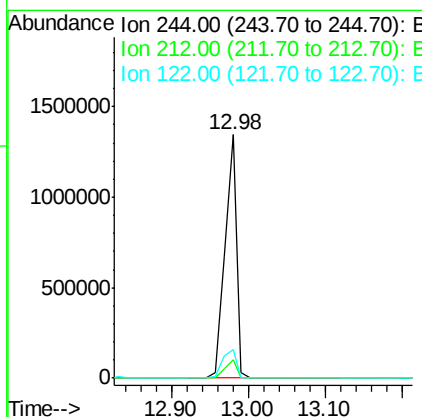
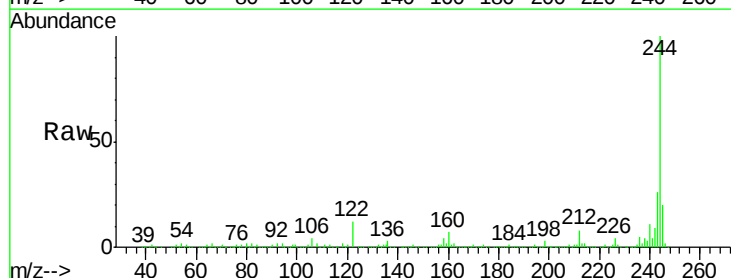
Manual Integrations  
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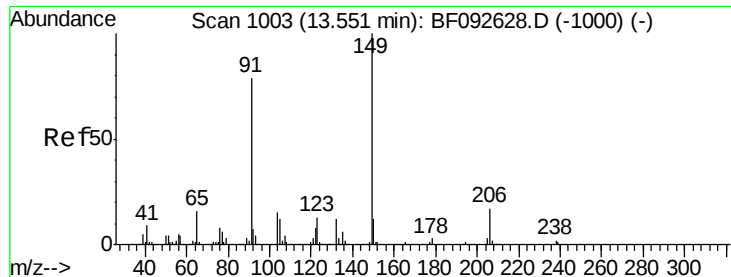
mohammad  
 2/16/2017 11:37:57 AM



#78  
 Terphenyl-d14  
 Concen: 91.15 ng  
 RT: 12.98 min Scan# 953  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 6.2   | 9.2   |
| 122     | 11.5  | 11.4  | 17.2  |





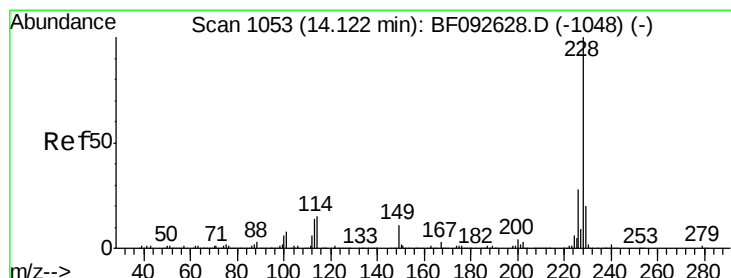
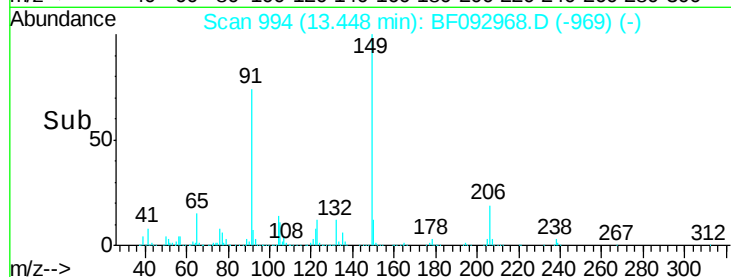
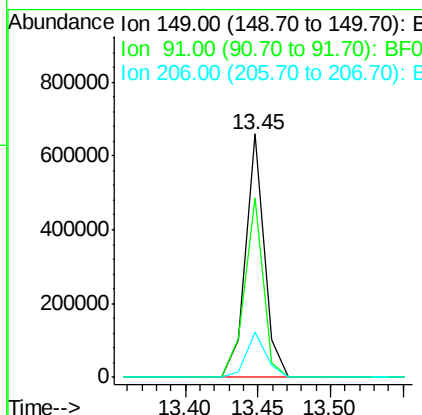
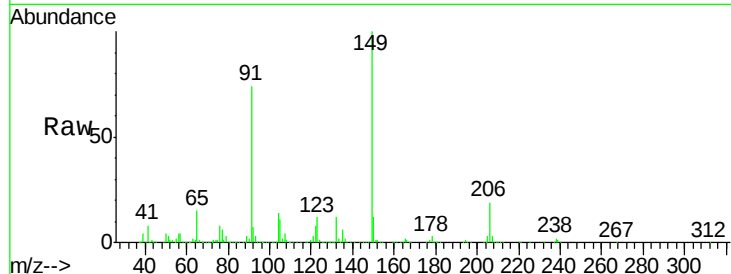
#79  
Butylbenzylphthalate  
Concen: 52.92 ng  
RT: 13.45 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 596247 |       |       |
| 91      | 73.7  | 63.9   | 95.9  |       |
| 206     | 18.8  | 14.6   | 21.8  |       |

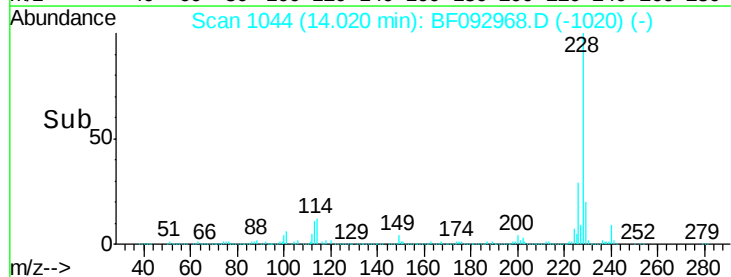
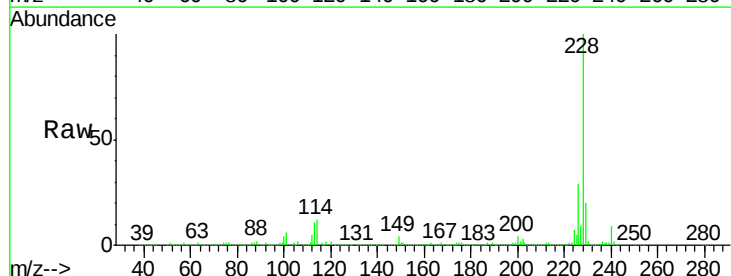
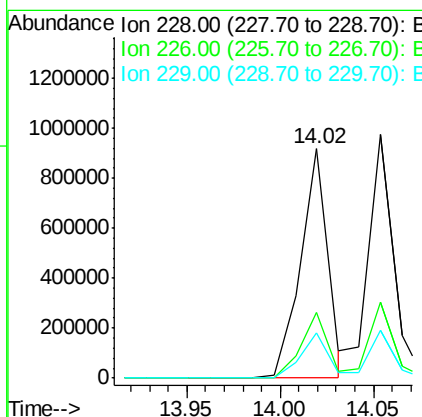
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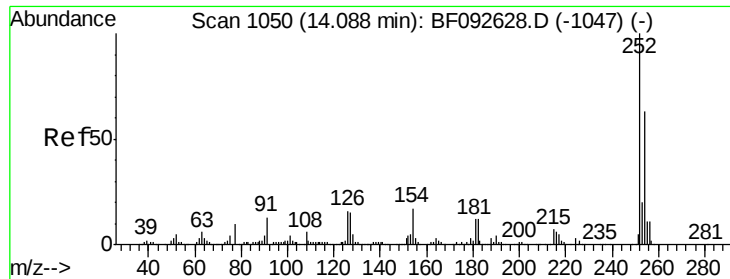
mohammad  
2/16/2017 11:37:57 AM



#80  
Benzo(a)anthracene  
Concen: 41.30 ng  
RT: 14.02 min Scan# 1044  
Delta R.T. -0.02 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 936342 |       |       |
| 226     | 28.5  | 22.4   | 33.6  |       |
| 229     | 19.7  | 16.2   | 24.4  |       |





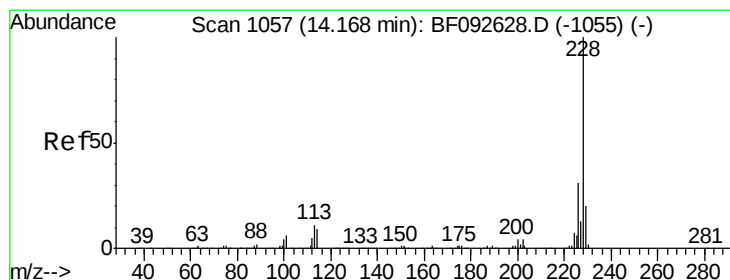
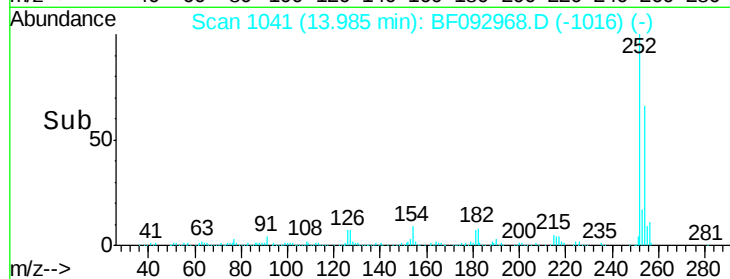
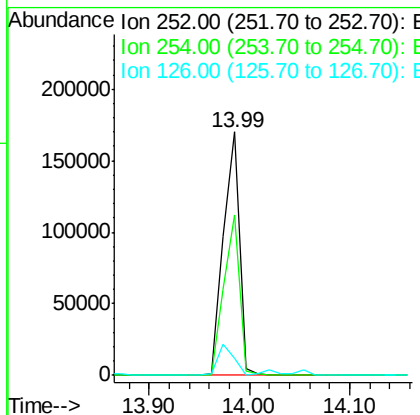
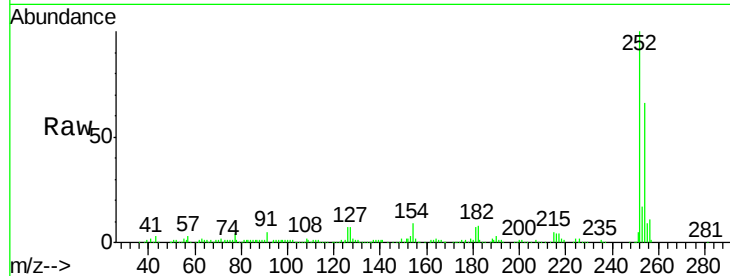
#81  
 3,3'-Dichlorobenzidine  
 Concen: 23.44 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.0  | 52.3  | 78.5  |
| 126     | 7.1   | 13.6  | 20.4  |

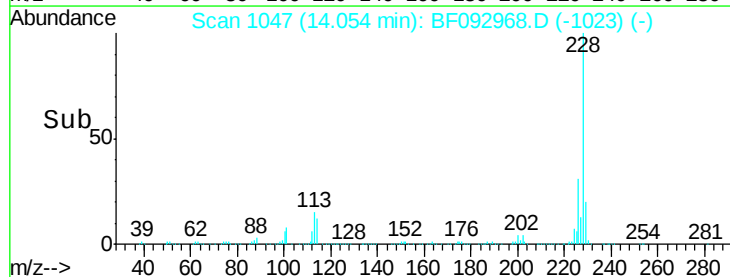
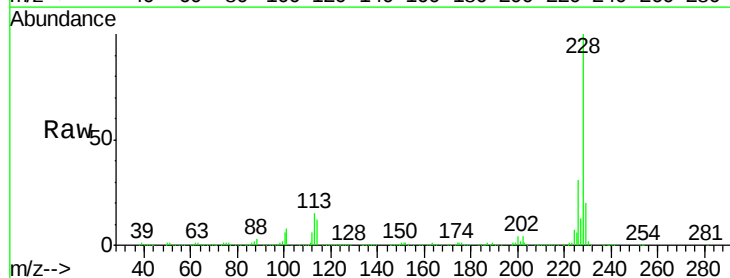
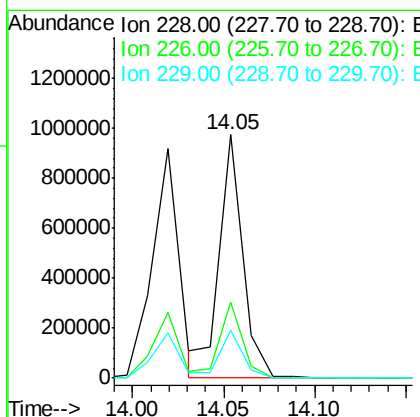
Manual Integrations  
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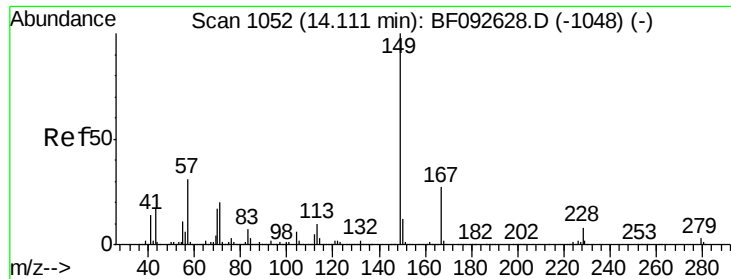
mohammad  
 2/16/2017 11:37:57 AM



#82  
 Chrysene  
 Concen: 41.69 ng m  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 25.4  | 38.0  |
| 229     | 19.6  | 16.2  | 24.2  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 54.98 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

Instrument :

BNA\_F

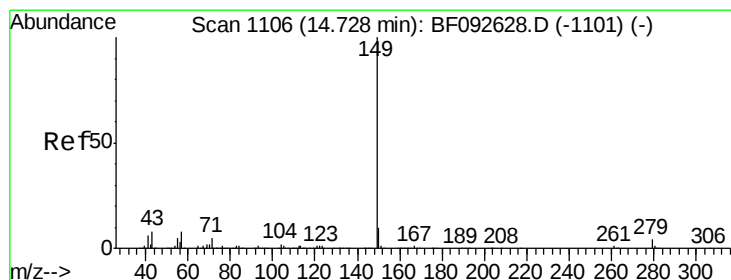
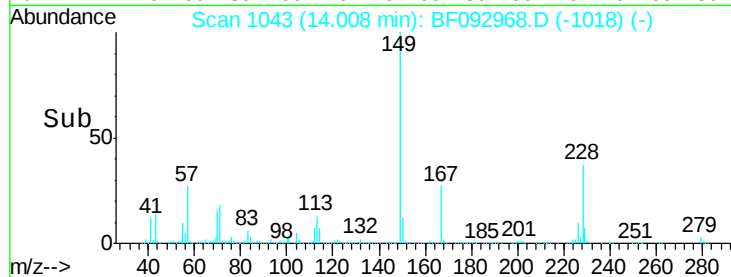
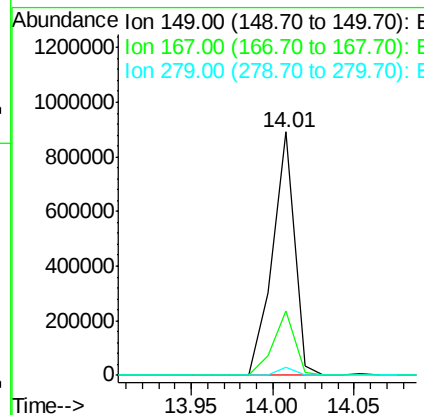
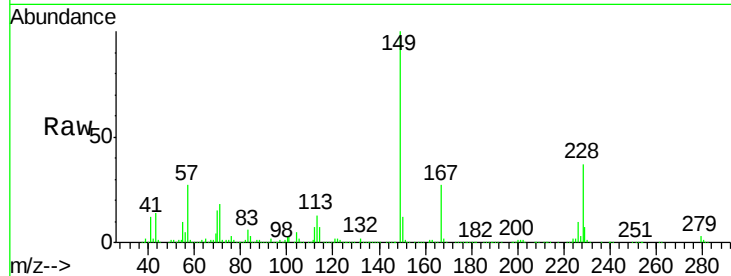
ClientSampleId :

H-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 847079 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.6  | 20.2  | 30.4   |
| 279       | 3.4   | 1.8   | 2.8#   |

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#84

Di-n-octyl phthalate

Concen: 51.53 ng

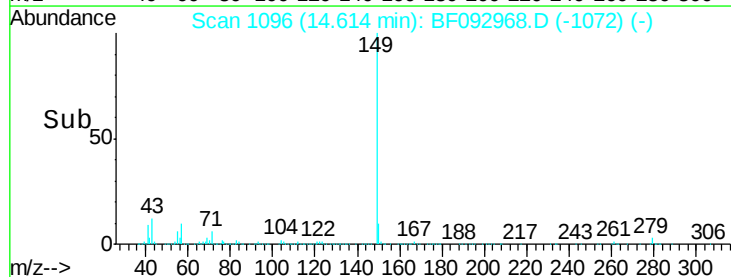
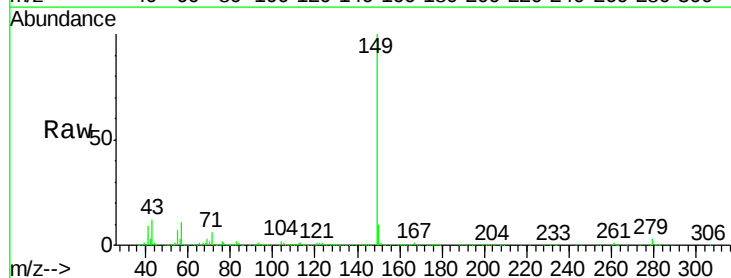
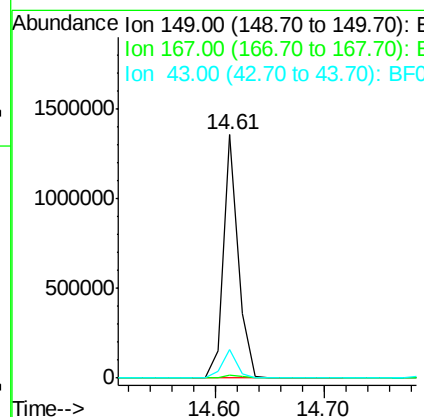
RT: 14.61 min Scan# 1096

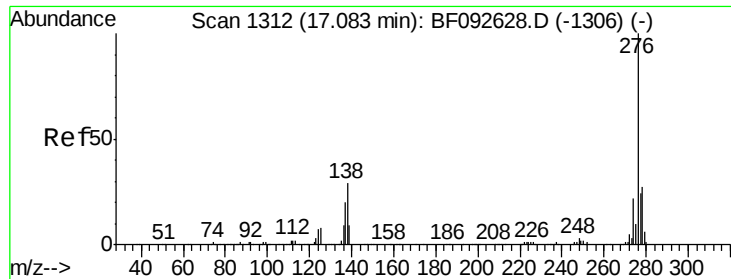
Delta R.T. -0.02 min

Lab File: BF092968.D

Acq: 15 Feb 2017 23:09

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1292825 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.7   | 1.3   | 1.9     |
| 43        | 11.5  | 8.9   | 13.3    |





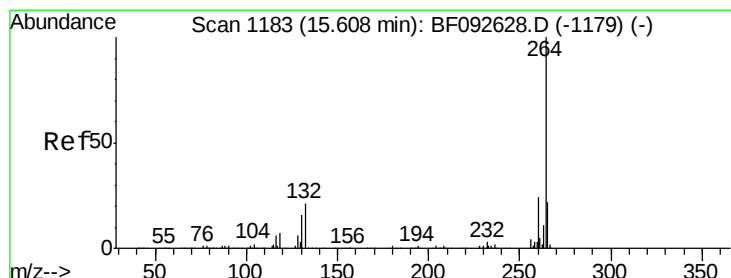
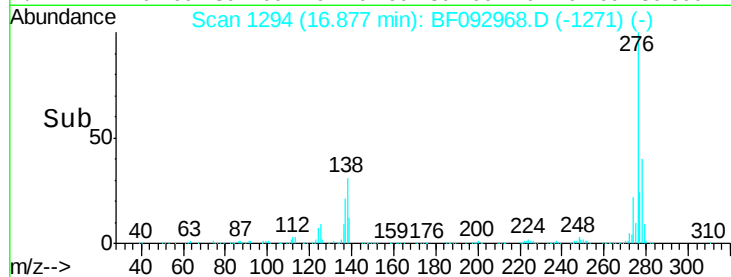
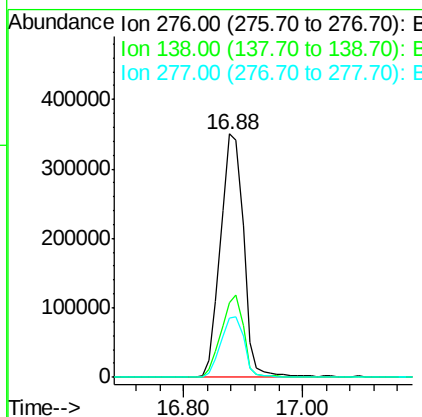
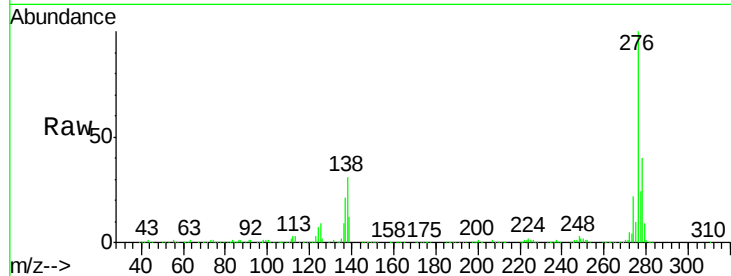
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 57.95 ng  
RT: 16.88 min Scan# 1294  
Delta R.T. -0.03 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 32.7  | 21.8  | 32.6# |
| 277     | 25.3  | 20.2  | 30.4  |

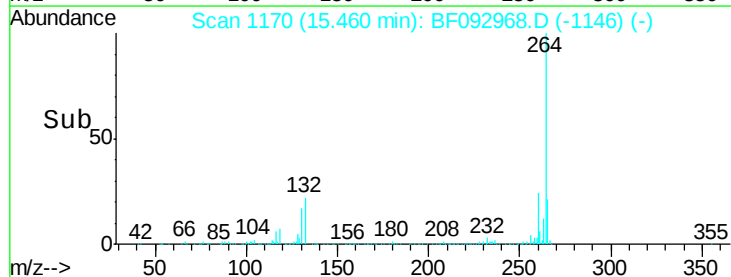
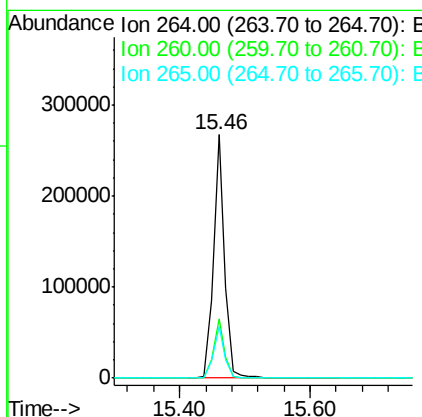
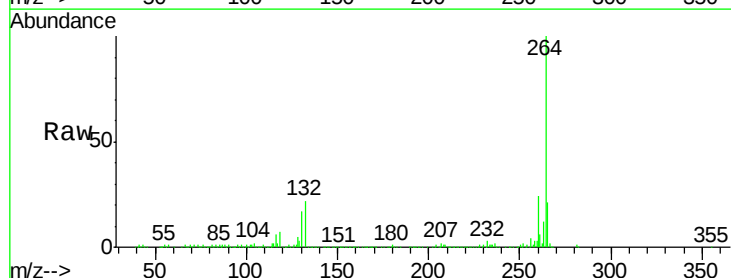
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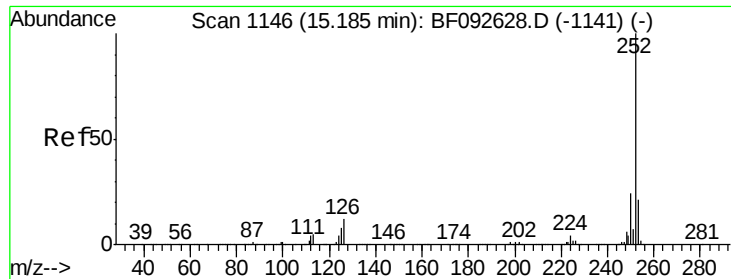
mohammad  
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.46 min Scan# 1170  
Delta R.T. -0.02 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.2  | 28.8  |
| 265     | 21.4  | 17.4  | 26.0  |





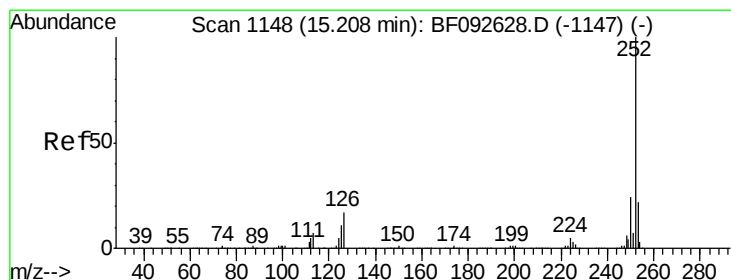
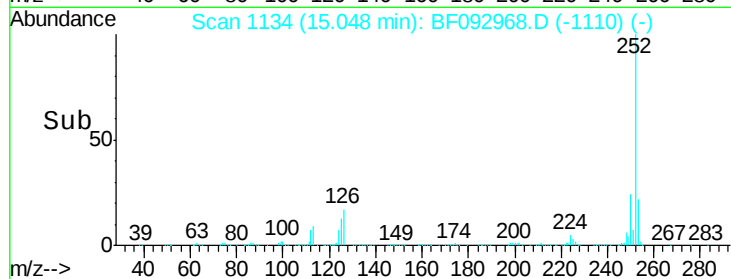
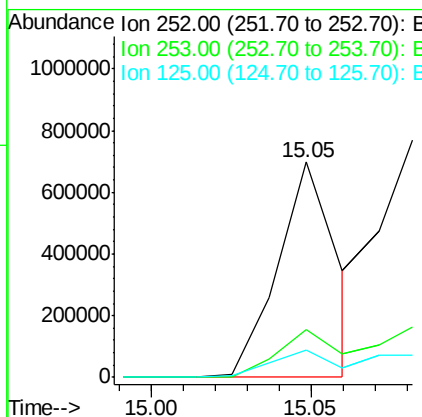
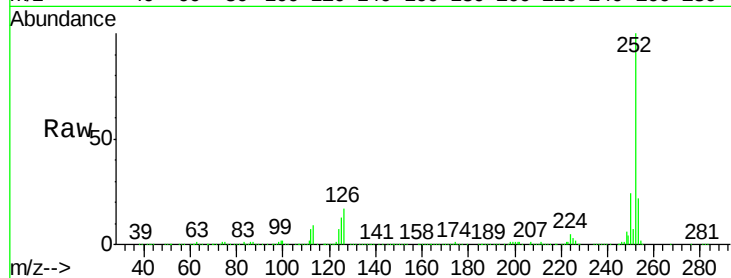
#87  
Benzo(b)fluoranthene  
Concen: 42.29 ng m  
RT: 15.05 min Scan# 1134  
Delta R.T. -0.02 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampled :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.2  | 27.4  |
| 125     | 12.7  | 9.8   | 14.6  |

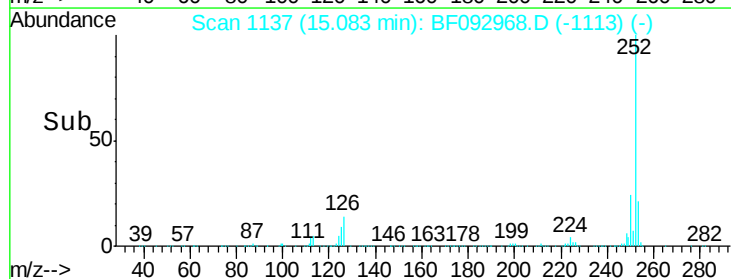
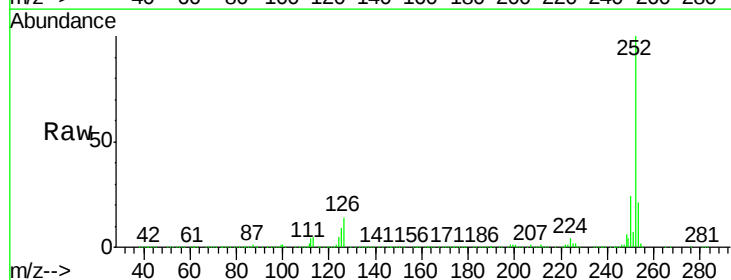
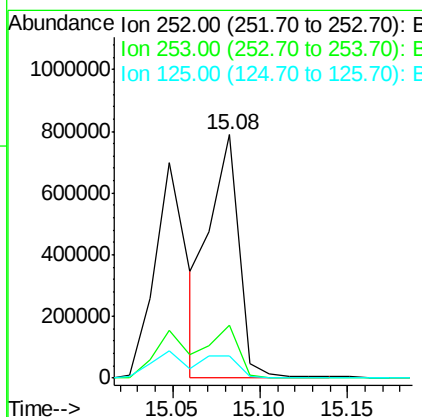
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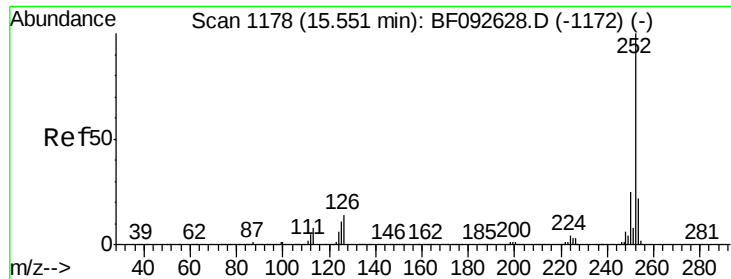
mohammad  
2/16/2017 11:37:57 AM



#88  
Benzo(k)fluoranthene  
Concen: 50.03 ng m  
RT: 15.08 min Scan# 1137  
Delta R.T. -0.02 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 18.5  | 27.7  |
| 125     | 9.3   | 8.9   | 13.3  |





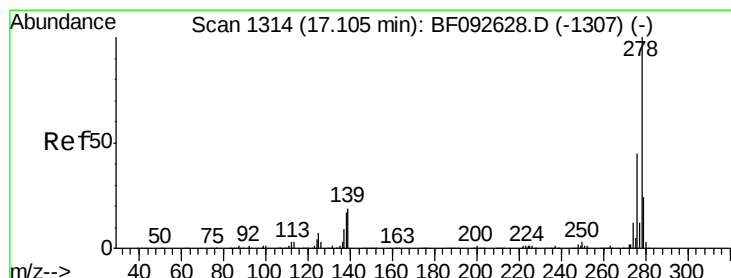
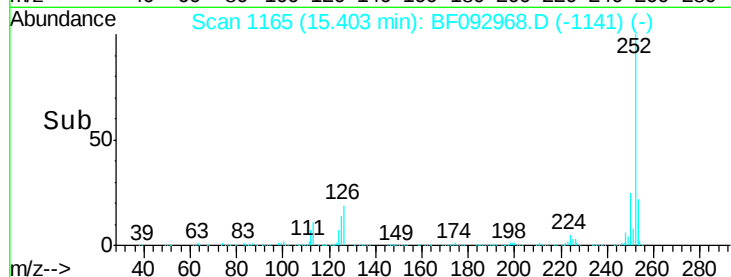
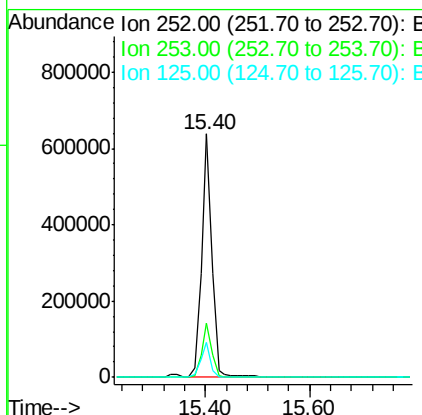
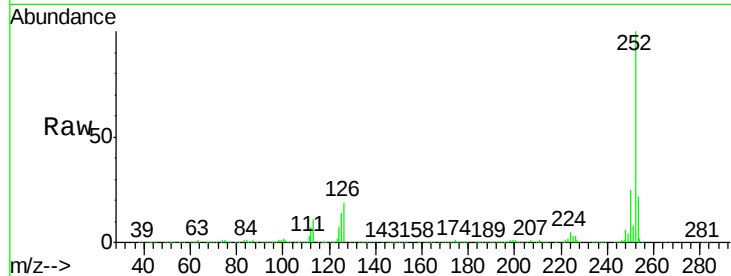
#89  
Benzo(a)pyrene  
Concen: 46.87 ng  
RT: 15.40 min Scan# 1165  
Delta R.T. -0.02 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
H-1MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.2  |
| 125     | 14.5  | 10.0  | 15.0  |

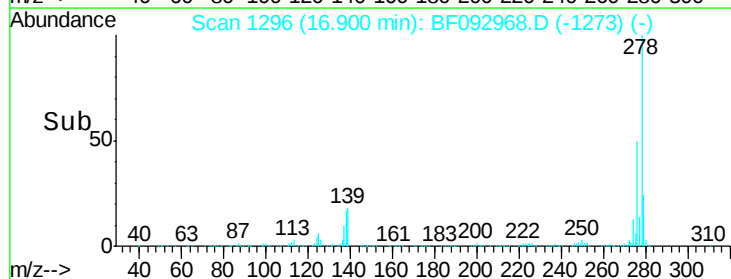
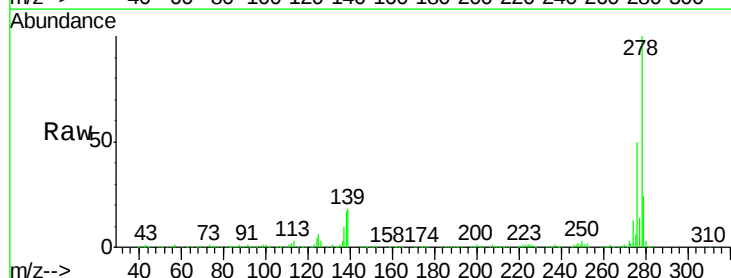
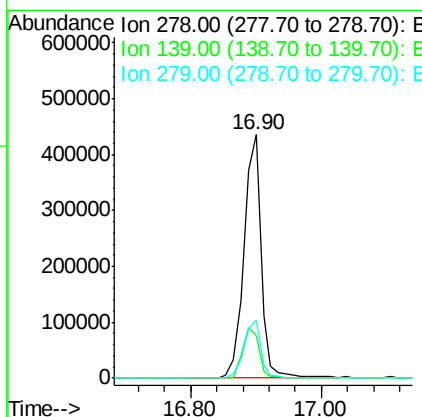
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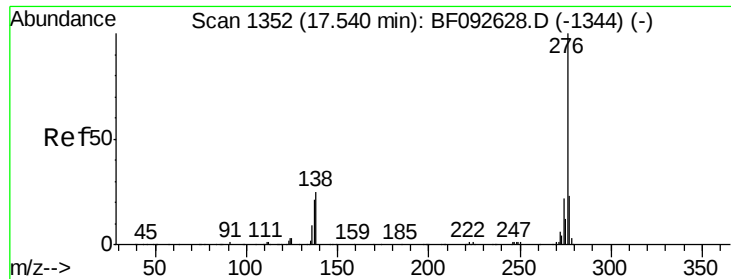
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#90  
Dibenzo(a,h)anthracene  
Concen: 53.31 ng  
RT: 16.90 min Scan# 1296  
Delta R.T. -0.03 min  
Lab File: BF092968.D  
Acq: 15 Feb 2017 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.6  | 14.8  | 22.2  |
| 279     | 23.6  | 19.8  | 29.6  |





#91  
 Benzo(g,h,i)perylene  
 Concen: 53.21 ng  
 RT: 17.31 min Scan# 1332  
 Delta R.T. -0.03 min  
 Lab File: BF092968.D  
 Acq: 15 Feb 2017 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 H-1MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 24.1  | 19.2       | 28.8       |
| 138     | 28.1  | 16.0       | 24.0       |

Manual Integrations  
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