

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\  
 Data File : BF088180.D  
 Acq On : 20 Jun 2016 19:25  
 Operator : UM/SJ  
 Sample : PB91406BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

Manual Integrations  
 APPROVED

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Quant Time: Jun 21 01:15:51 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 20 17:39:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 89315    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.95  | 136  | 360397   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.70  | 164  | 170602   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.18 | 188  | 319029   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.81 | 240  | 217345   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.18 | 264  | 186287   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.27  | 112  | 591987   | 113.31 | ng    | 0.01     |
| 7) Phenol-d6                | 6.33  | 99   | 726268   | 114.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 495653   | 80.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 177368   | 98.46  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.04  | 172  | 972227   | 89.84  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.77 | 244  | 853010   | 89.31  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.22 | 88   | 87901    | 34.63 | ng    | # 40   |
| 3) Pyridine                    | 2.88 | 79   | 228293   | 38.09 | ng    | 92     |
| 4) n-Nitrosodimethylamine      | 2.84 | 42   | 97131    | 38.26 | ng    | # 76   |
| 6) Aniline                     | 6.33 | 93   | 152863   | 16.96 | ng    | # 32   |
| 8) 2-Chlorophenol              | 6.46 | 128  | 267267   | 43.22 | ng    | 92     |
| 10) Phenol                     | 6.34 | 94   | 324681   | 49.94 | ng    | 89     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93   | 229491   | 41.34 | ng    | 91     |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146  | 266869   | 40.22 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146  | 283542   | 42.42 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146  | 243862m  | 40.12 | ng    |        |
| 15) Benzyl Alcohol             | 6.82 | 79   | 162912   | 32.89 | ng    | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45   | 267479   | 35.66 | ng    | 70     |
| 17) 2-Methylphenol             | 6.95 | 107  | 213832   | 42.64 | ng    | 96     |
| 18) Hexachloroethane           | 7.18 | 117  | 100329   | 42.30 | ng    | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70   | 169677   | 41.89 | ng    | # 86   |
| 20) 3+4-Methylphenols          | 7.11 | 107  | 276002   | 47.17 | ng    | # 75   |
| 22) Acetophenone               | 7.08 | 105  | 341561   | 42.41 | ng    | # 99   |
| 24) Nitrobenzene               | 7.26 | 77   | 242726   | 40.60 | ng    | 91     |
| 25) Isophorone                 | 7.50 | 82   | 468722   | 41.00 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.58 | 139  | 145315   | 45.38 | ng    | # 86   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122  | 238997   | 40.53 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93   | 296432   | 41.81 | ng    | # 97   |
| 29) 2,4-Dichlorophenol         | 7.83 | 162  | 228773   | 46.47 | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180  | 219613   | 40.97 | ng    | 99     |
| 31) Naphthalene                | 7.98 | 128  | 767203   | 43.02 | ng    | 99     |
| 32) Benzoic acid               | 7.77 | 122  | 79877    | 24.60 | ng    | 92     |
| 33) 4-Chloroaniline            | 8.03 | 127  | 104632   | 13.14 | ng    | 96     |
| 34) Hexachlorobutadiene        | 8.09 | 225  | 114720   | 40.58 | ng    | 99     |
| 35) Caprolactam                | 8.41 | 113  | 68828m   | 42.21 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.54 | 107  | 226232   | 42.97 | ng    | 100    |
| 37) 2-Methylnaphthalene        | 8.66 | 142  | 503665   | 42.85 | ng    | # 96   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216  | 207045   | 47.54 | ng    | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237  | 117354   | 42.65 | ng    | 99     |
| 42) 2,4,6-Trichlorophenol      | 8.96 | 196  | 134396   | 39.39 | ng    | 99     |

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Manual Integrations  
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Quant Time: Jun 21 01:15:51 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 20 17:39:32 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.00  | 196  | 144707   | 40.77 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 580238   | 45.36 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 457565   | 41.45 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.26  | 65   | 123888   | 38.04 | nq    | 91       |
| 48) Acenaphthylene             | 9.56  | 152  | 688353   | 39.20 | nq    | 99       |
| 49) Dimethylphthalate          | 9.44  | 163  | 528335   | 42.75 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.51  | 165  | 131068   | 46.31 | nq    | # 88     |
| 51) Acenaphthene               | 9.74  | 154  | 427095   | 38.99 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.67  | 138  | 67563    | 20.69 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 64358    | 46.97 | nq    | 93       |
| 54) Dibenzofuran               | 9.91  | 168  | 588286   | 38.99 | nq    | # 89     |
| 55) 4-Nitrophenol              | 9.86  | 139  | 141993   | 56.02 | nq    | # 77     |
| 56) 2,4-Dinitrotoluene         | 9.91  | 165  | 146999   | 40.42 | nq    | # 55     |
| 57) Fluorene                   | 10.25 | 166  | 483405   | 47.71 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 112328   | 40.27 | nq    | # 56     |
| 59) Diethylphthalate           | 10.14 | 149  | 547857   | 43.80 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.24 | 204  | 201487   | 40.16 | nq    | 89       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 122511   | 39.55 | nq    | 99       |
| 62) Azobenzene                 | 10.40 | 77   | 523603   | 42.33 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 63537    | 32.63 | nq    | # 64     |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 430685   | 40.68 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 146377   | 42.77 | nq    | # 91     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 151692   | 42.66 | nq    | # 73     |
| 68) Atrazine                   | 10.90 | 200  | 152727   | 47.64 | nq    | 96       |
| 69) Pentachlorophenol          | 10.99 | 266  | 93176    | 49.71 | nq    | 97       |
| 70) Phenanthrene               | 11.21 | 178  | 731560   | 43.70 | nq    | 98       |
| 71) Anthracene                 | 11.26 | 178  | 702128   | 41.58 | nq    | 99       |
| 72) Carbazole                  | 11.42 | 167  | 674499   | 42.68 | nq    | 100      |
| 73) Di-n-butylphthalate        | 11.75 | 149  | 802458   | 40.12 | nq    | 100      |
| 74) Fluoranthene               | 12.39 | 202  | 732099   | 41.44 | nq    | 99       |
| 76) Benzidine                  | 12.51 | 184  | 243390   | 40.44 | nq    | 98       |
| 77) Pyrene                     | 12.62 | 202  | 770052   | 47.75 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.23 | 149  | 348252   | 48.84 | nq    | # 85     |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 539895   | 43.59 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.76 | 252  | 103116   | 30.96 | nq    | # 96     |
| 82) Chrysene                   | 13.84 | 228  | 620135   | 53.22 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149  | 415491   | 47.87 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.40 | 149  | 813287   | 57.66 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.47 | 276  | 468138   | 43.24 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.80 | 252  | 687378m  | 52.94 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 326345m  | 33.32 | nq    |          |
| 89) Benzo(a)pyrene             | 15.13 | 252  | 476024   | 45.31 | nq    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 390452   | 40.02 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 16.85 | 276  | 415753   | 41.42 | nq    | 98       |

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

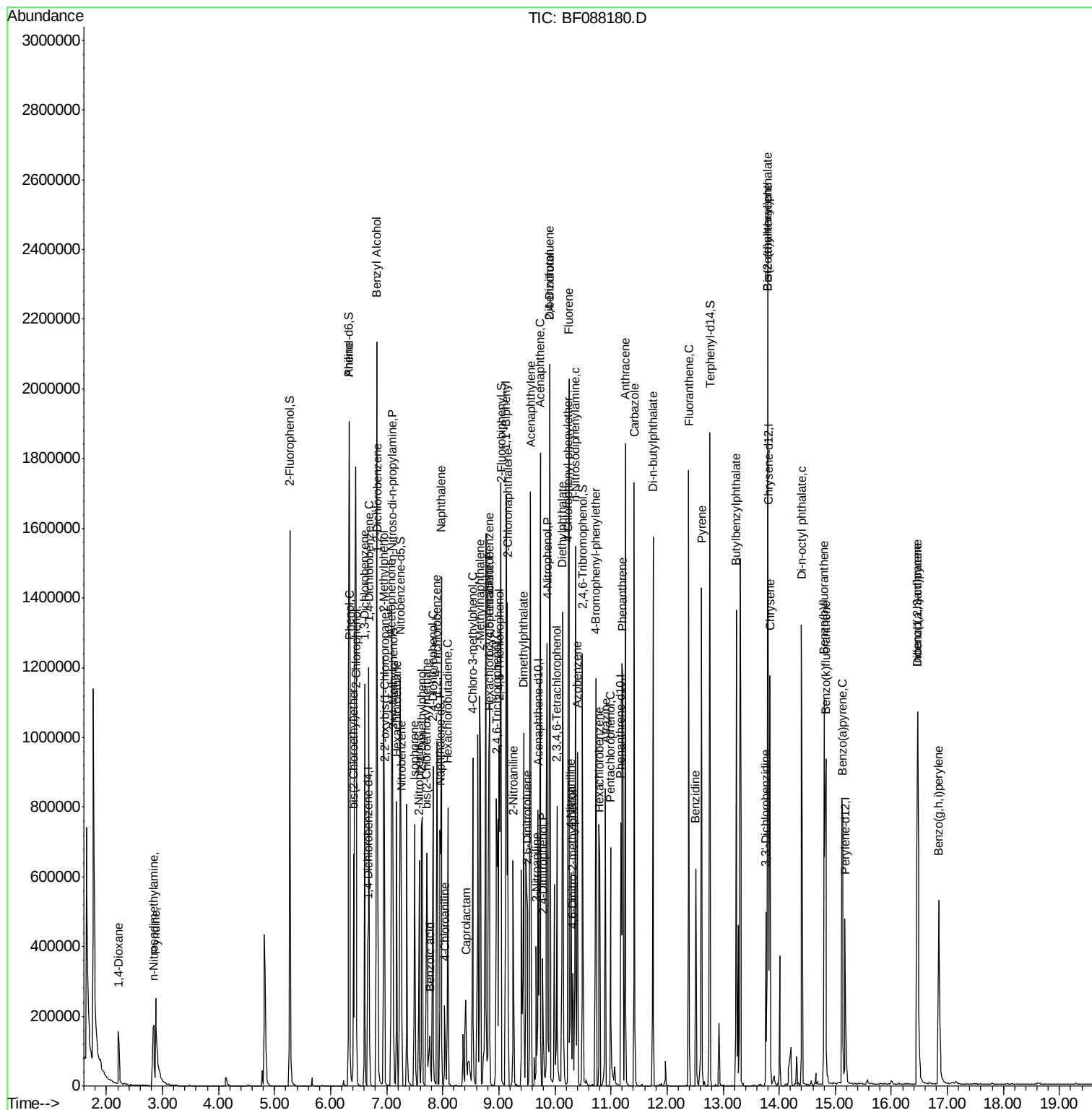
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\  
Data File : BF088180.D  
Acq On    : 20 Jun 2016   19:25  
Operator  : UM/SJ  
Sample    : PB91406BS  
Misc      :  
ALS Vial  : 10      Sample Multiplier: 1
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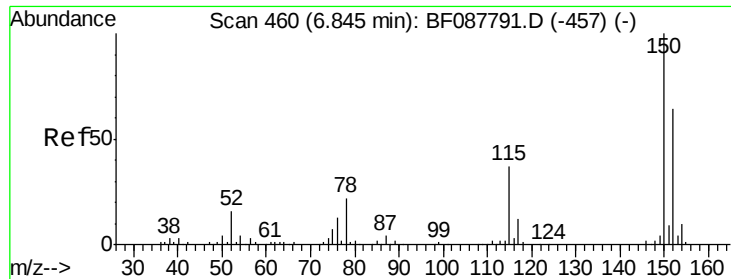
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB91406BS

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Quant Time: Jun 21 01:15:51 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 20 17:39:32 2016  
Response via : Initial Calibration





#1

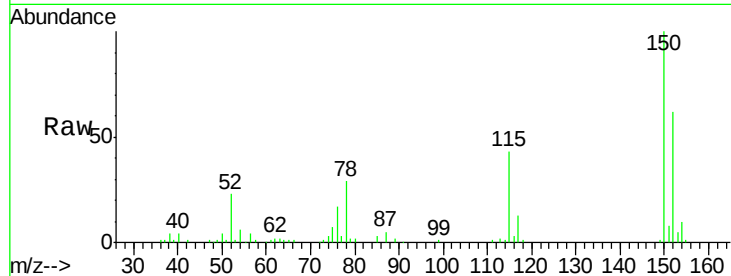
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

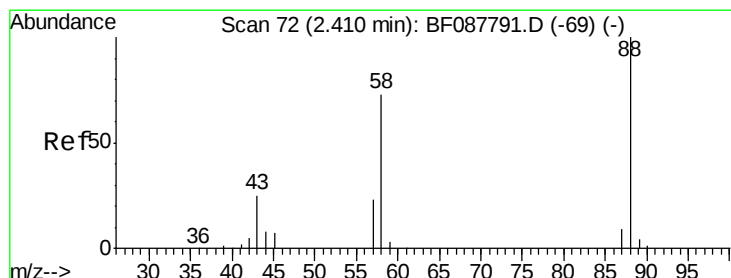
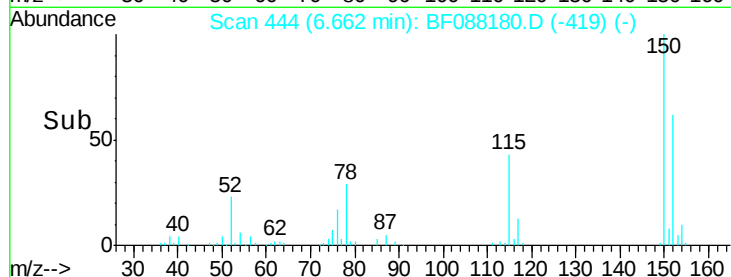
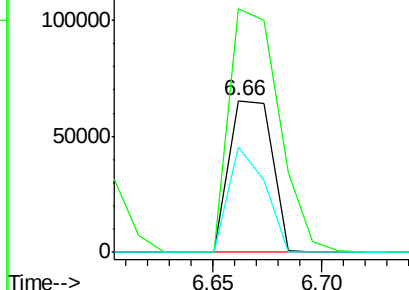
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.7 | 123.8 | 185.6 |
| 115     | 69.5  | 39.6  | 59.4  |

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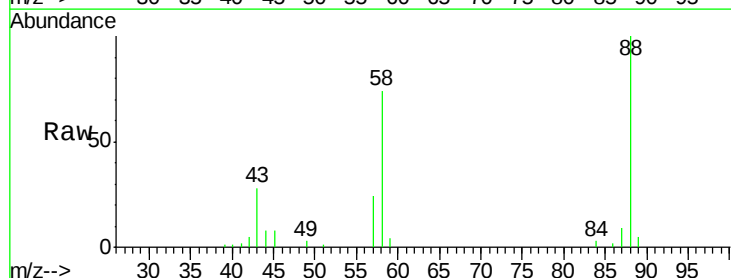
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



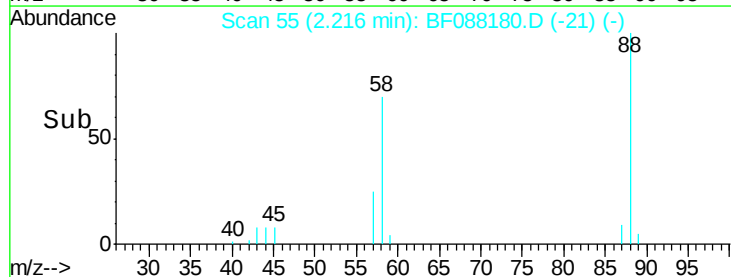
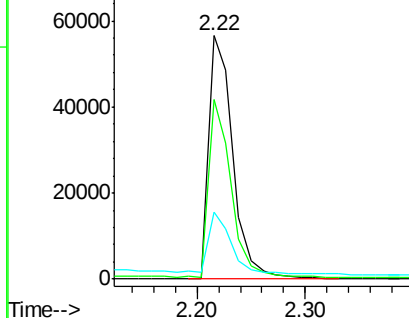
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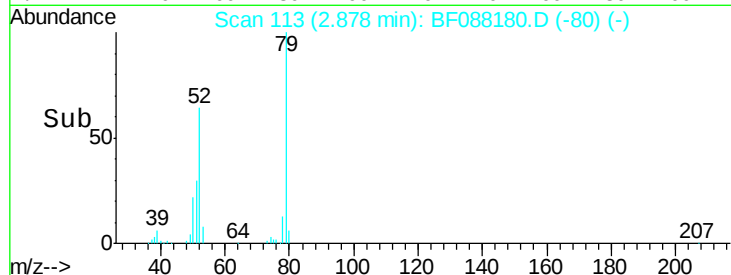
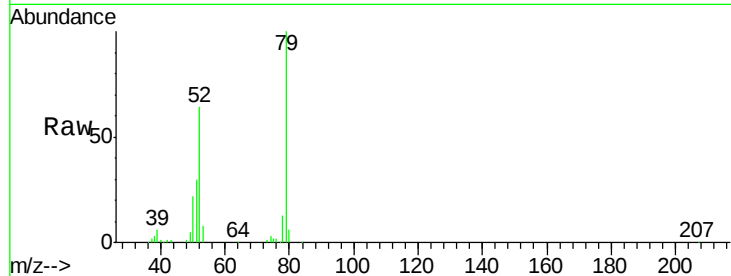
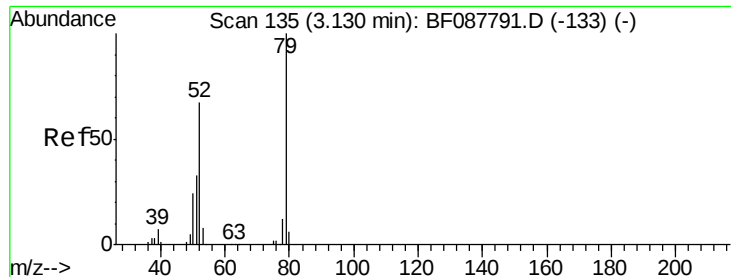
1,4-Dioxane  
Concen: 34.63 ng  
RT: 2.22 min Scan# 55  
Delta R.T. 0.09 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.7  | 0.0   | 0.0   |
| 43      | 23.9  | 3.4   | 5.2   |



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





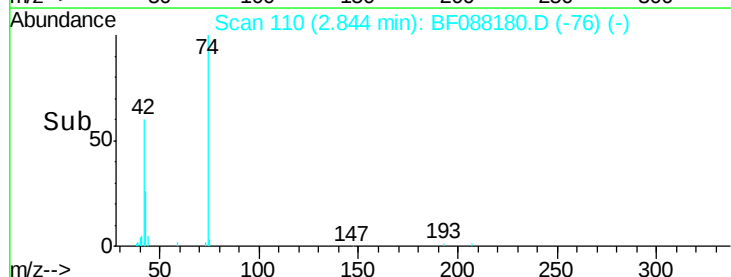
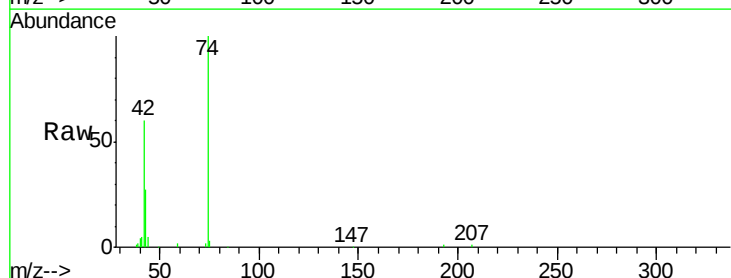
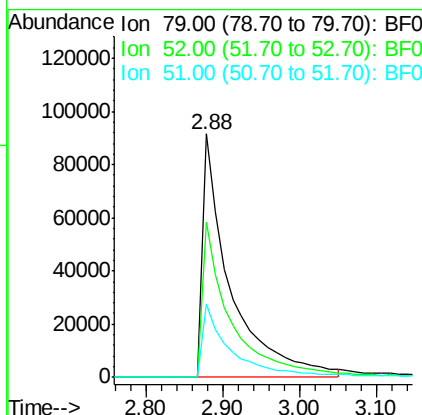
#3  
 Pvridine  
 Concen: 38.09 ng  
 RT: 2.88 min Scan# 113  
 Delta R.T. 0.08 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 79      | 79  | 100   | 228293 |       |       |
| 52      | 52  | 63.8  |        | 56.3  | 84.5  |
| 51      | 51  | 30.4  |        | 27.4  | 41.2  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

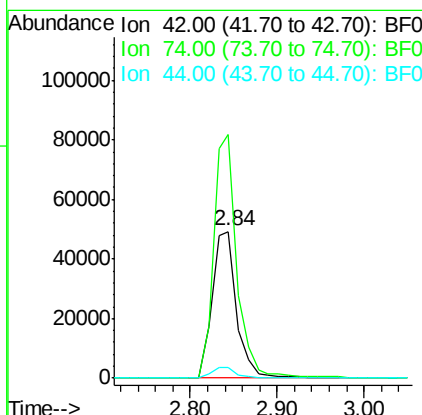
Manual Integrations  
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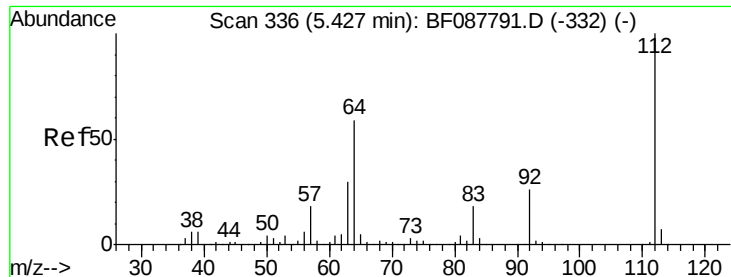
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#4  
 n-Nitrosodimethylamine  
 Concen: 38.26 ng  
 RT: 2.84 min Scan# 110  
 Delta R.T. 0.09 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper  |
|---------|-----|-------|-------|-------|--------|
| 42      | 42  | 100   | 97131 |       |        |
| 74      | 74  | 166.4 |       | 108.6 | 163.0# |
| 44      | 44  | 7.5   |       | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 113.31 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

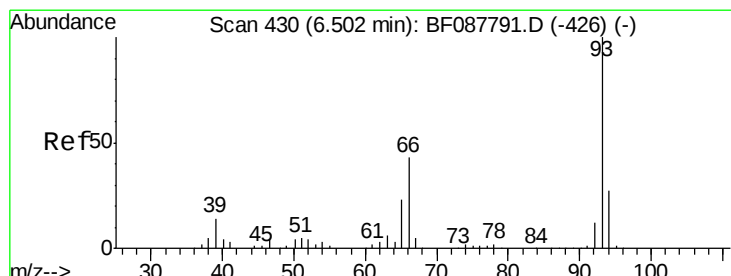
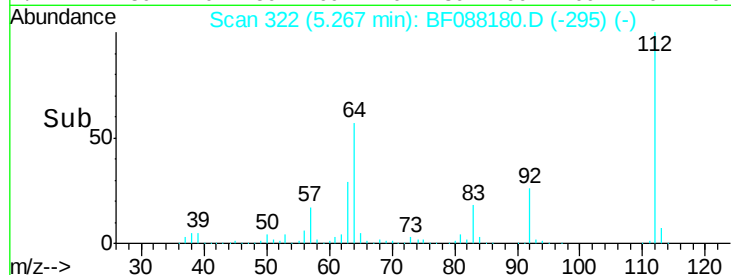
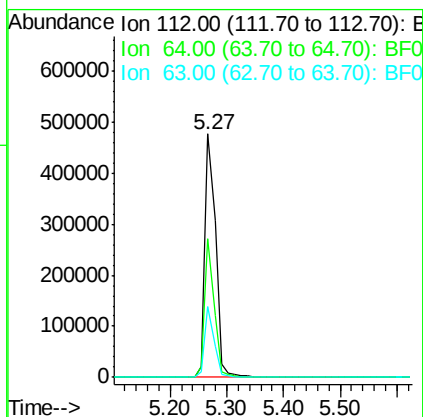
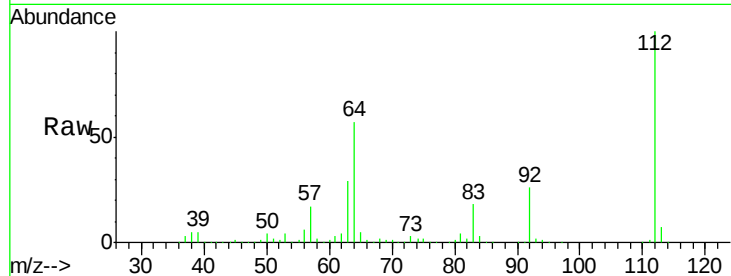
ClientSampleId :

PB91406BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 591987 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.9  | 42.2  | 63.2   |
| 63        | 29.3  | 21.8  | 32.8   |

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#6

Aniline

Concen: 16.96 ng

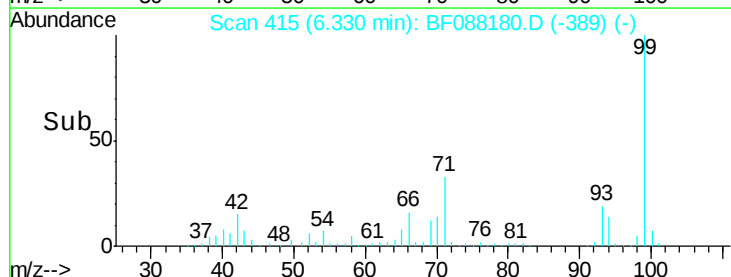
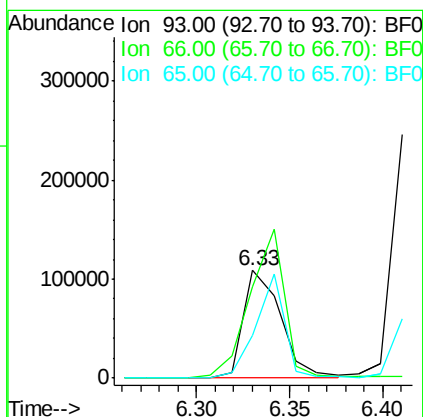
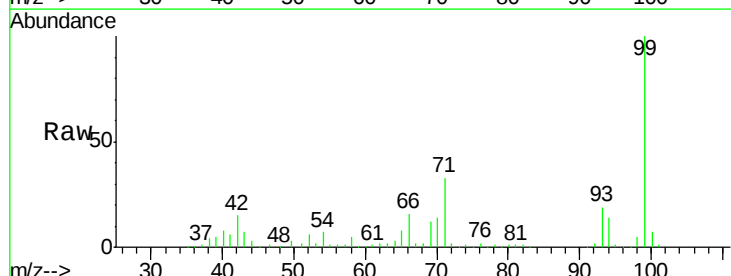
RT: 6.33 min Scan# 415

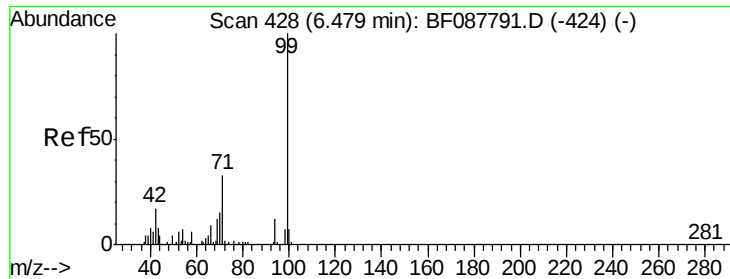
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 152863 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 84.3  | 29.8  | 44.8#  |
| 65        | 39.9  | 14.9  | 22.3#  |





#7

Phenol-d6

Concen: 114.70 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

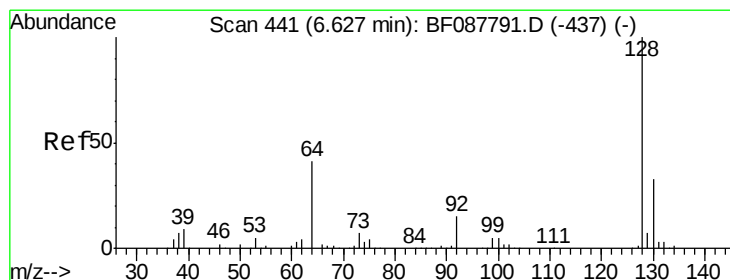
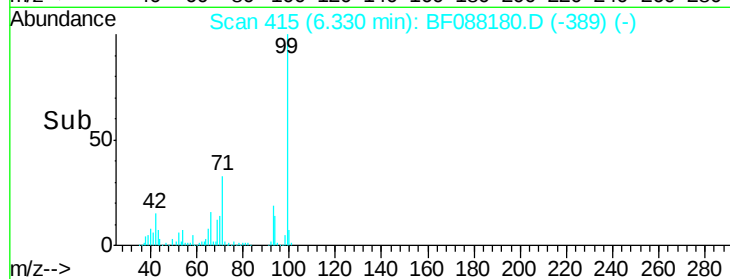
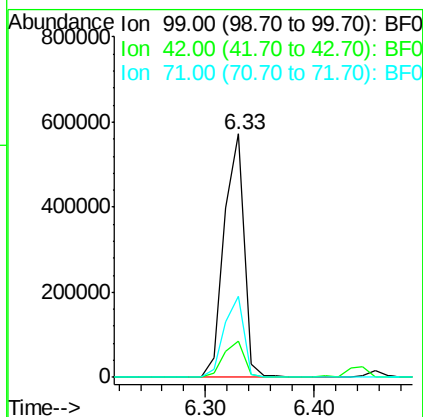
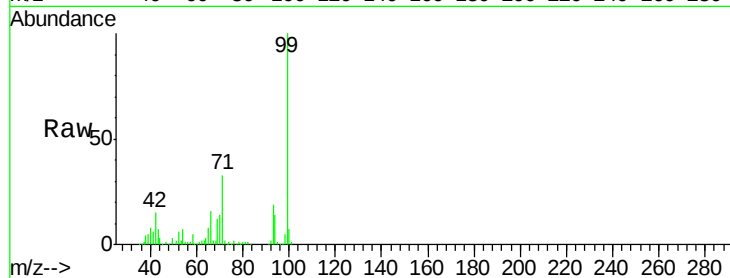
PB91406BS

Manual Integrations  
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| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 726268 |       |       |
| 42      | 14.9 | 12.2  | 18.2   |       |       |
| 71      | 33.2 | 23.4  | 35.0   |       |       |



#8

2-Chlorophenol

Concen: 43.22 ng

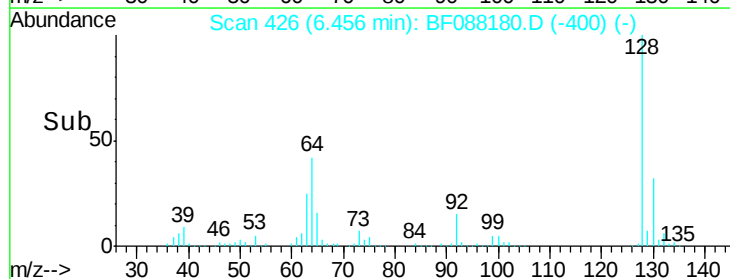
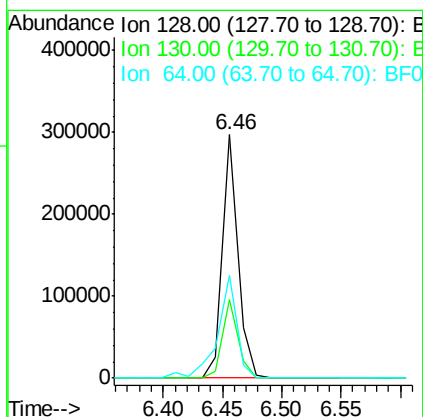
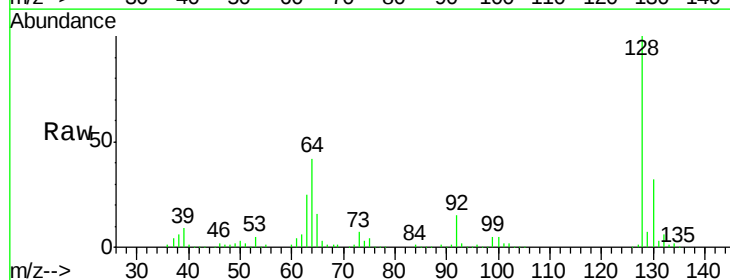
RT: 6.46 min Scan# 426

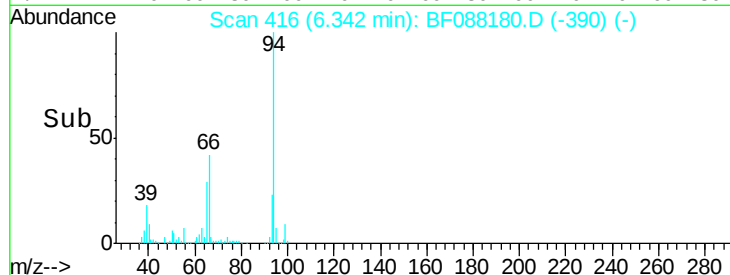
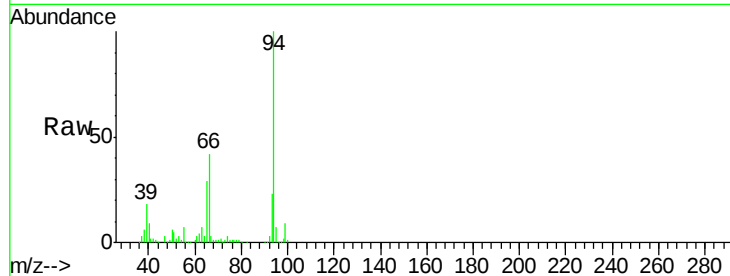
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 267267 |       |       |
| 130     | 32.3 | 12.0  | 52.0   |       |       |
| 64      | 42.0 | 30.8  | 70.8   |       |       |





#10

Phenol

Concen: 49.94 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 94    | Resp: | 324681 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 29.3  | 5.9   | 45.9   |
| 66       | 41.7  | 14.0  | 54.0   |

Instrument :

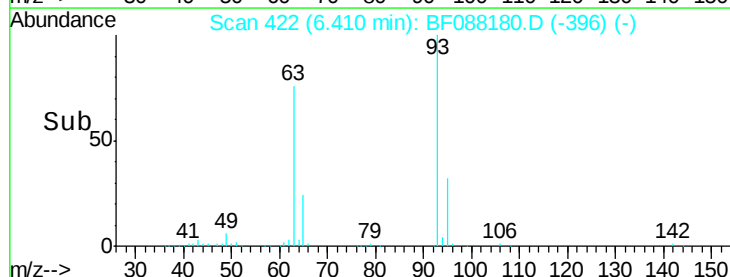
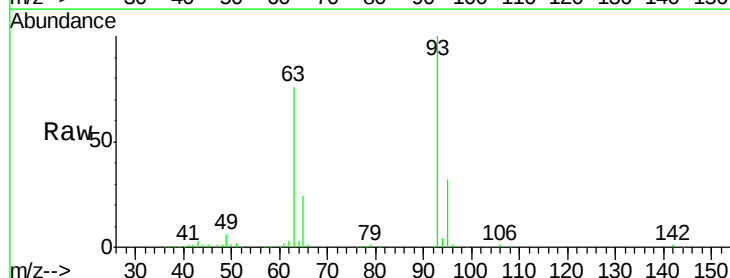
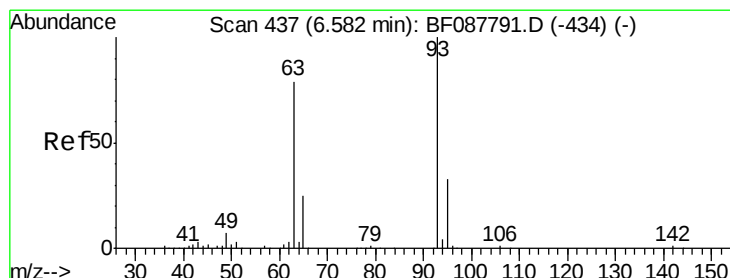
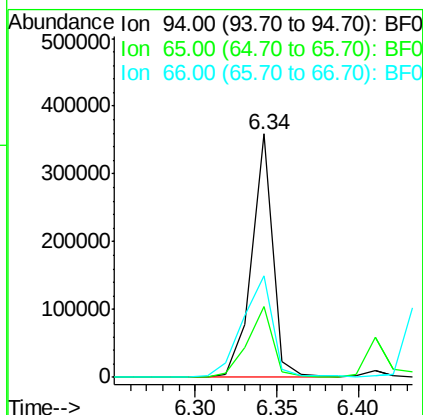
BNA\_F

ClientSampleId :

PB91406BS

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#11

bis(2-Chloroethyl)ether

Concen: 41.34 ng

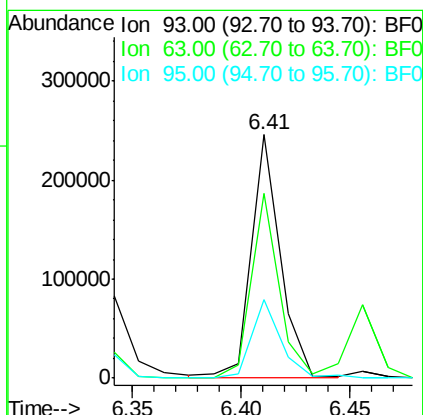
RT: 6.41 min Scan# 422

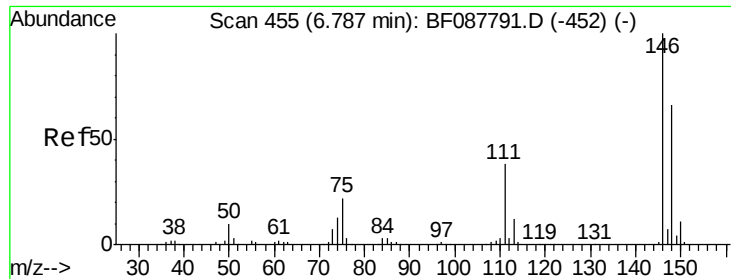
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 229491 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 76.1  | 67.6  | 107.6  |
| 95       | 32.2  | 12.5  | 52.5   |





#12

1,3-Dichlorobenzene

Concen: 40.22 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

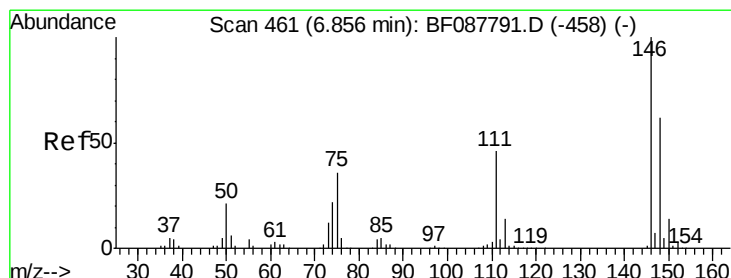
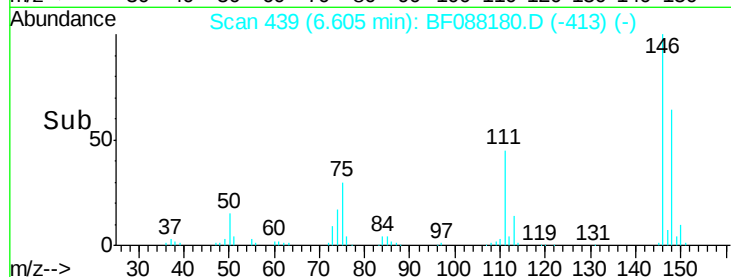
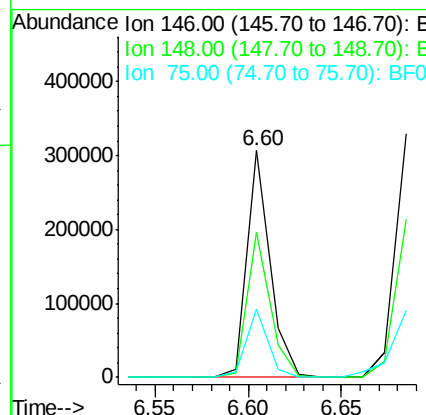
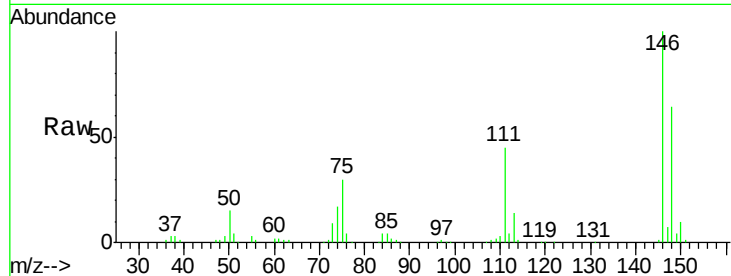
ClientSampleId :

PB91406BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 266869 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 50.9  | 76.3   |
| 75        | 29.9  | 25.6  | 38.4   |

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#13

1,4-Dichlorobenzene

Concen: 42.42 ng

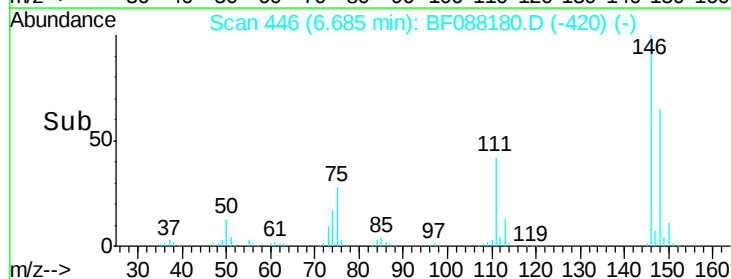
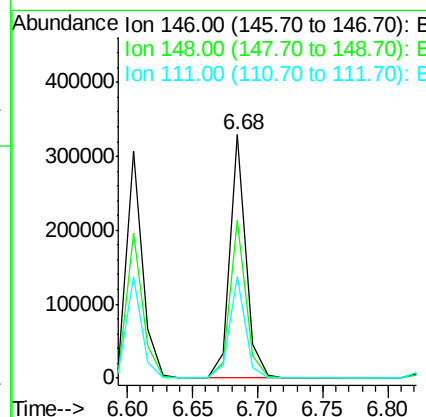
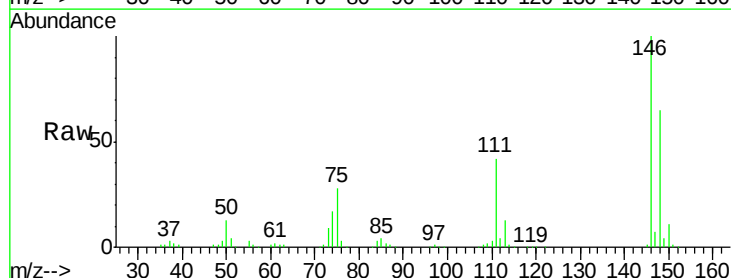
RT: 6.68 min Scan# 446

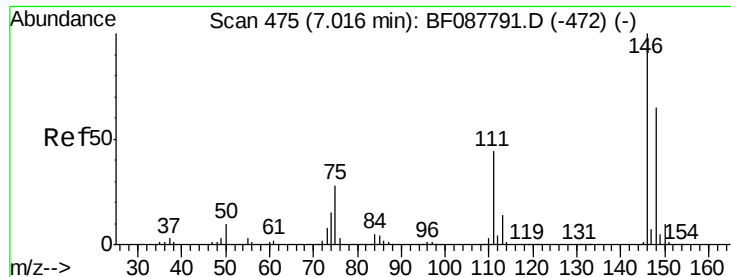
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 283542 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.7  | 52.0  | 78.0   |
| 111       | 41.7  | 33.8  | 50.8   |





#14

1,2-Dichlorobenzene

Concen: 40.12 ng/ml

RT: 6.83 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

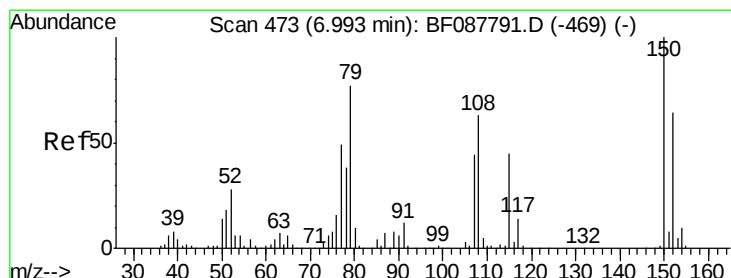
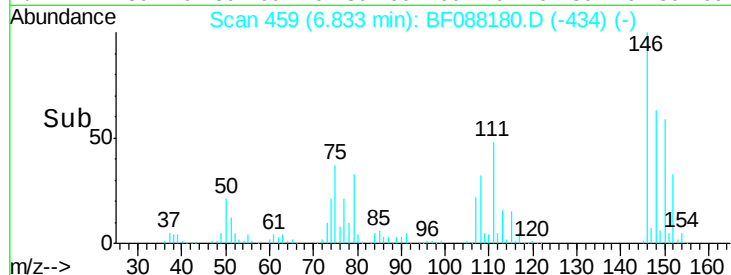
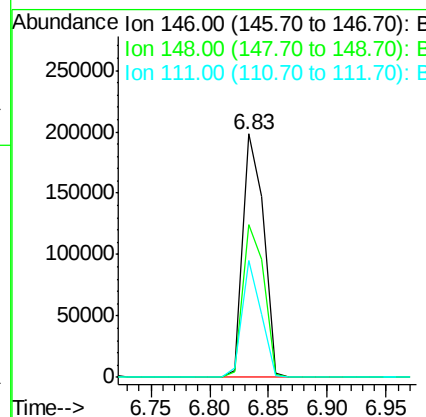
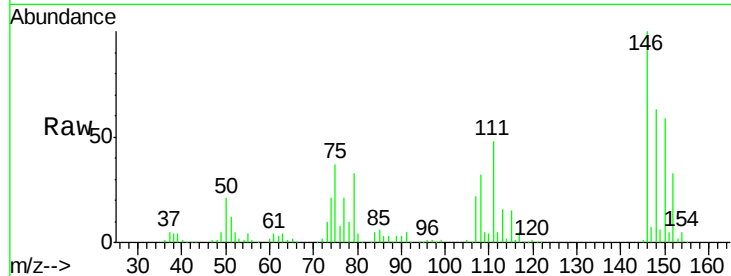
ClientSampled :

PB91406BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 243862 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.9  | 52.3  | 78.5   |
| 111       | 48.1  | 28.7  | 43.1#  |

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#15

Benzyl Alcohol

Concen: 32.89 ng/ml

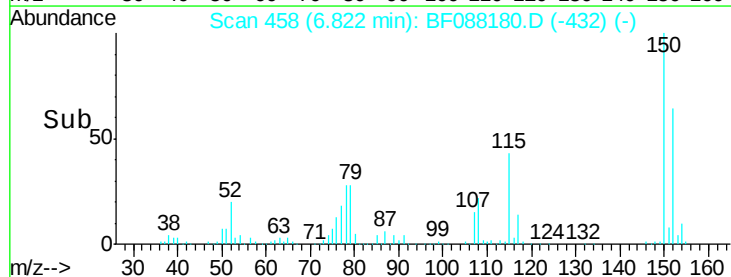
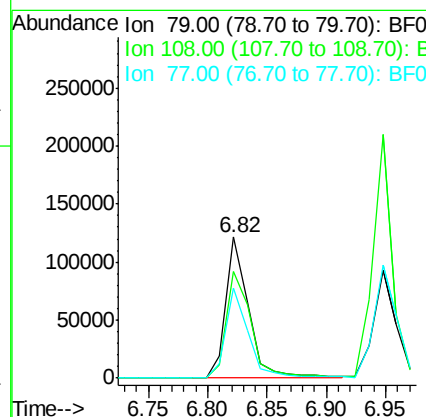
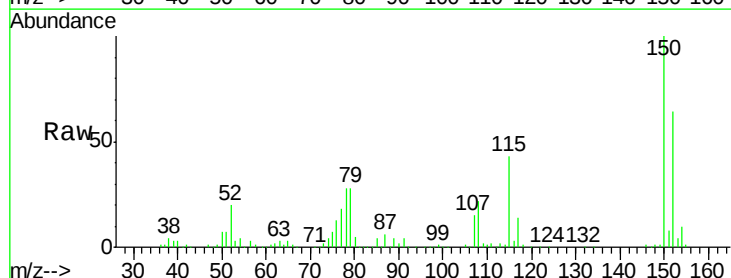
RT: 6.82 min Scan# 458

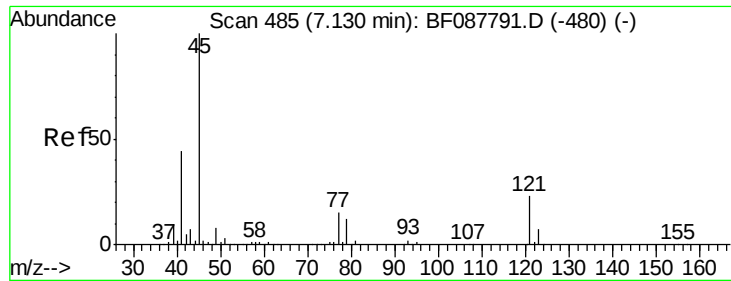
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 162912 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 76.1  | 65.0  | 97.6   |
| 77        | 64.1  | 50.3  | 75.5   |





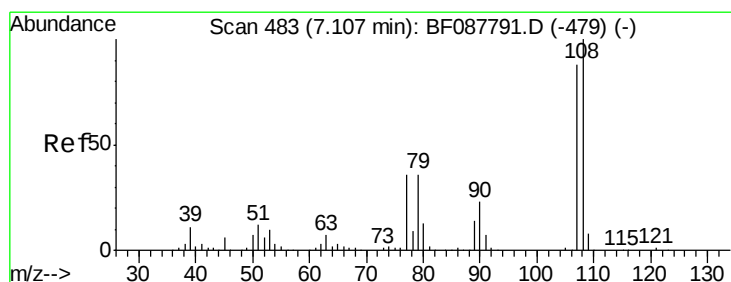
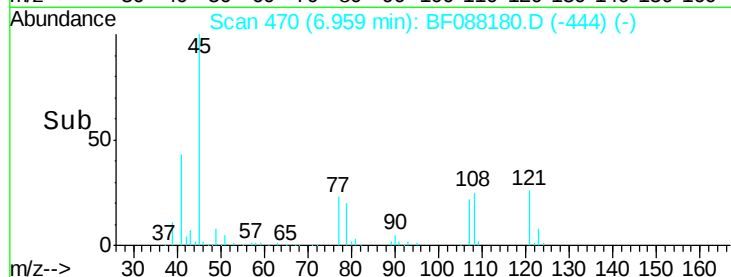
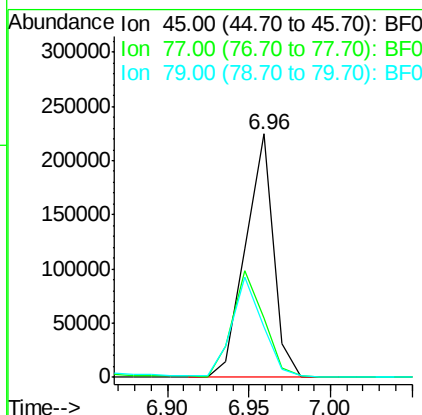
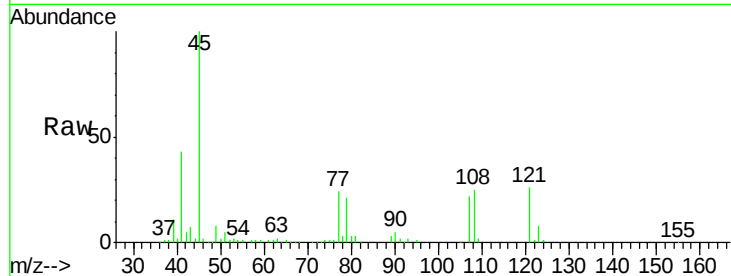
#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 35.66 ng  
RT: 6.96 min Scan# 470  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 267479 |       |       |
| 77      | 24.3  |        | 0.0   | 32.5  |
| 79      | 20.7  |        | 0.0   | 29.5  |

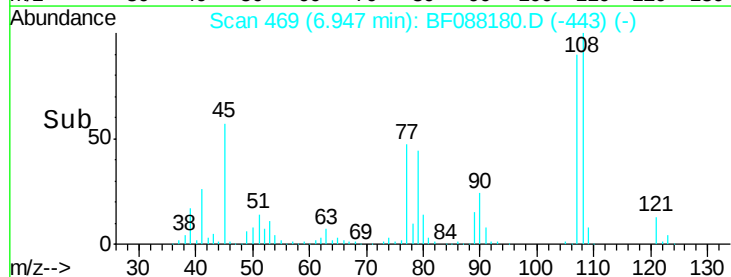
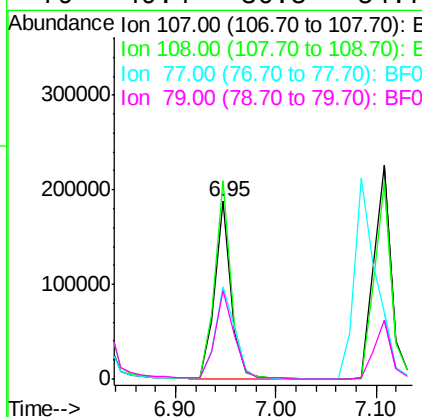
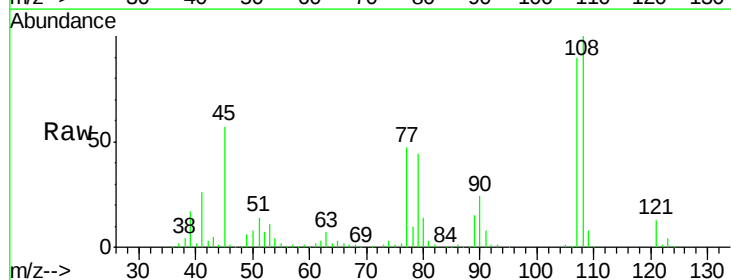
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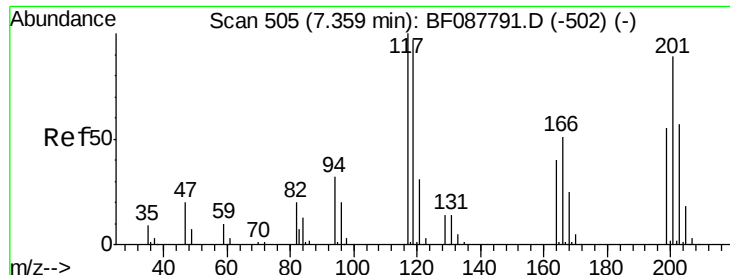
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#17  
2-Methylphenol  
Concen: 42.64 ng  
RT: 6.95 min Scan# 469  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 213832 |       |       |
| 108     | 111.7 |        | 90.9  | 136.3 |
| 77      | 52.2  |        | 36.6  | 55.0  |
| 79      | 49.4  |        | 36.5  | 54.7  |





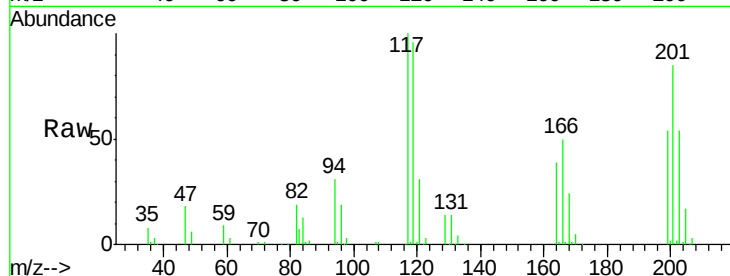
#18  
Hexachloroethane  
Concen: 42.30 ng  
RT: 7.18 min Scan# 489  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampled :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 100329 |       |       |
| 119     | 96.2  |        | 77.4  | 116.2 |
| 201     | 84.7  |        | 80.4  | 120.6 |

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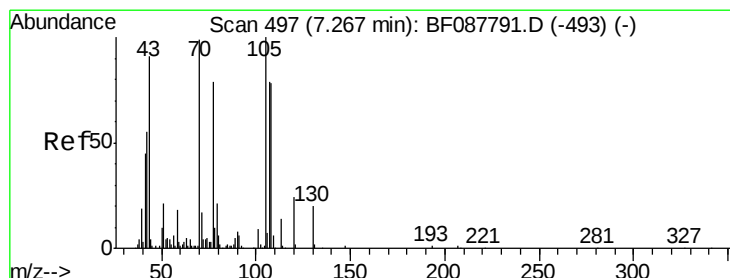
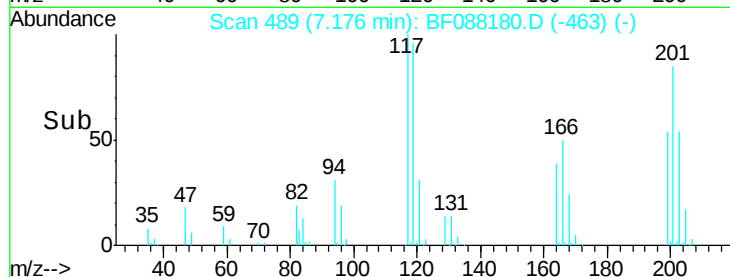
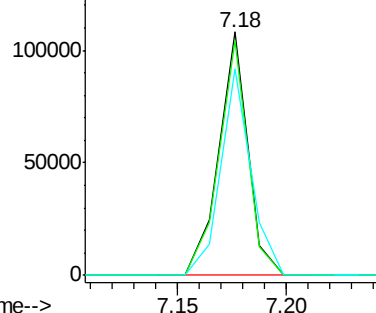


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19  
n-Nitroso-di-n-propylamine  
Concen: 41.89 ng  
RT: 7.10 min Scan# 482  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 70      | 100   | 169677 |       |       |
| 42      | 48.6  |        | 49.6  | 74.4# |
| 101     | 10.0  |        | 7.1   | 10.7  |
| 130     | 22.7  |        | 15.4  | 23.2  |

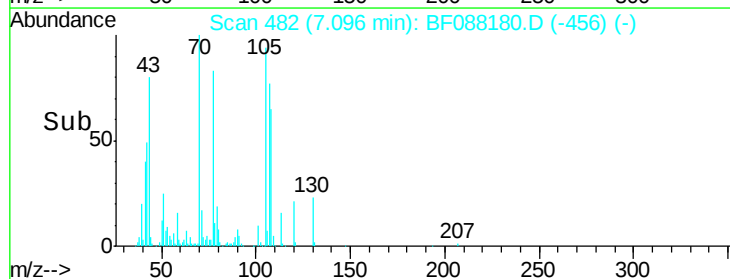
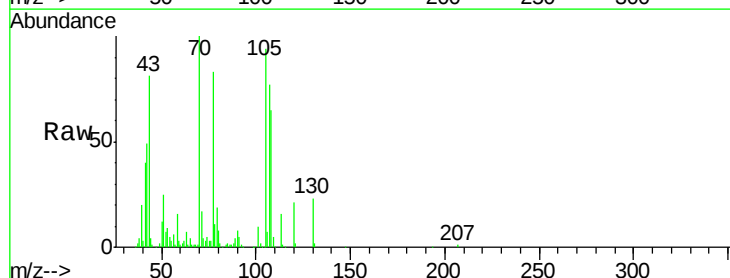
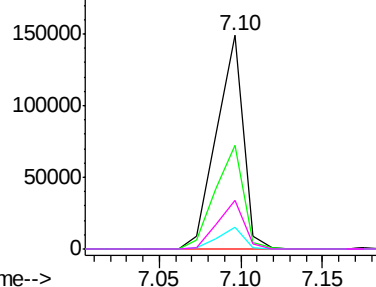
Abundance

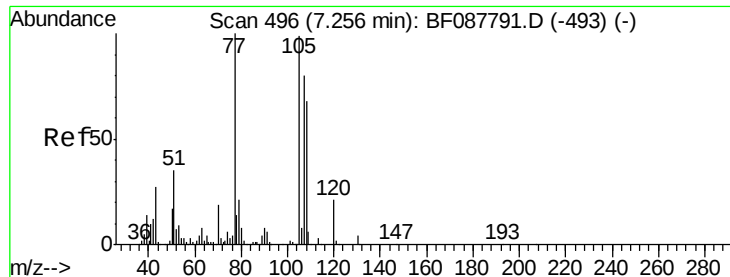
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





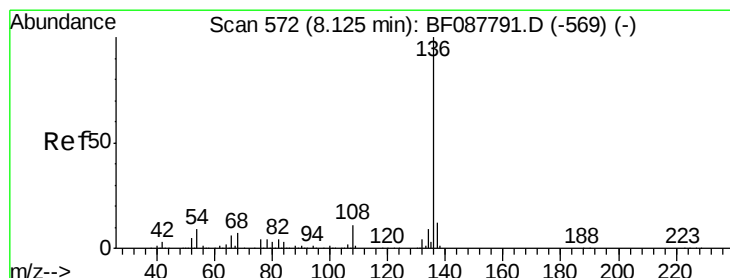
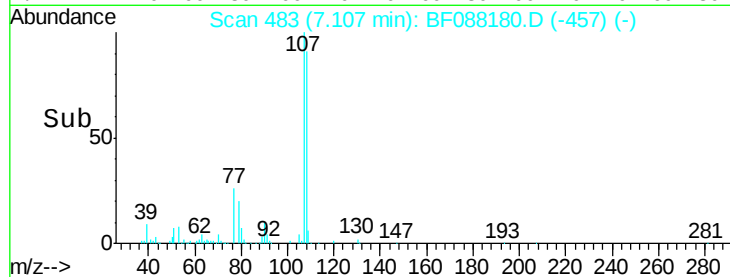
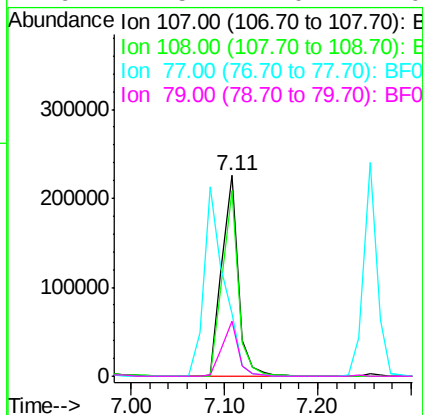
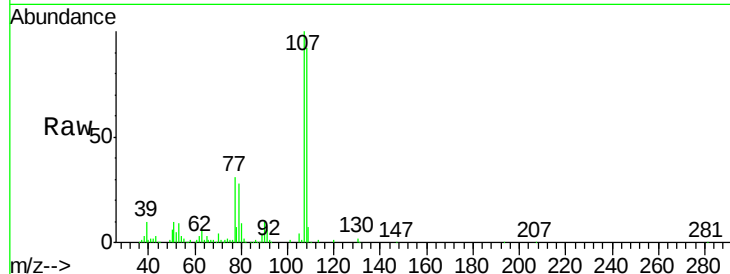
#20  
3+4-Methylphenols  
Concen: 47.17 ng  
RT: 7.11 min Scan# 483  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 107  | 100   | 276002 |       |       |
| 108     | 92.5 | 67.8  | 107.8  |       |       |
| 77      | 31.0 | 59.3  | 99.3#  |       |       |
| 79      | 27.5 | 7.0   | 47.0   |       |       |

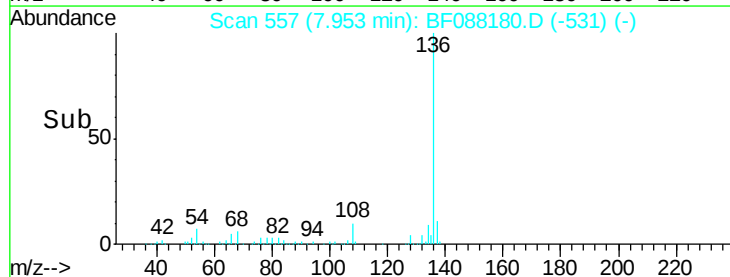
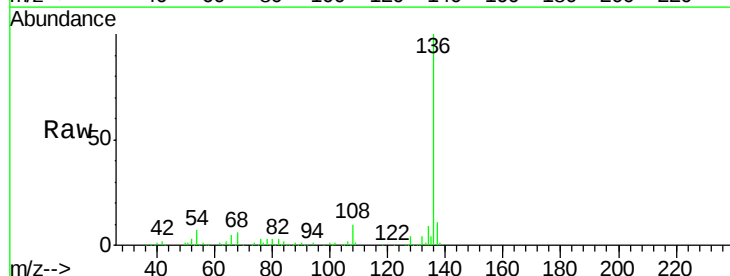
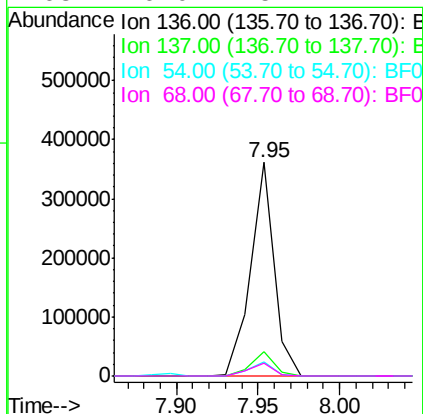
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.95 min Scan# 557  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 136  | 100   | 360397 |       |       |
| 137     | 11.5 | 9.1   | 13.7   |       |       |
| 54      | 6.8  | 6.6   | 10.0   |       |       |
| 68      | 6.0  | 5.1   | 7.7    |       |       |





#22

Acetophenone

Concen: 42.41 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF088180.D

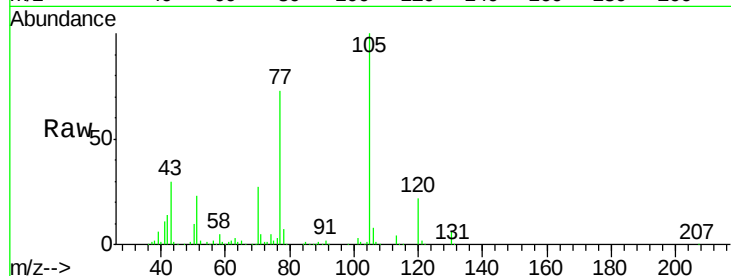
Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

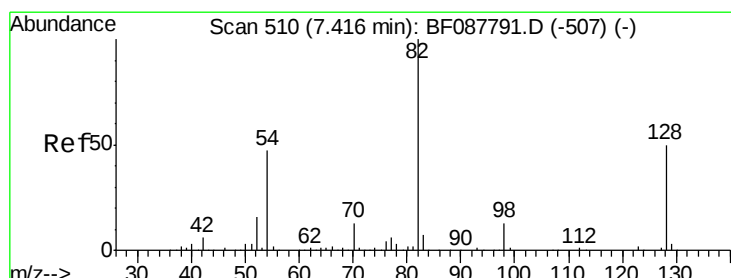
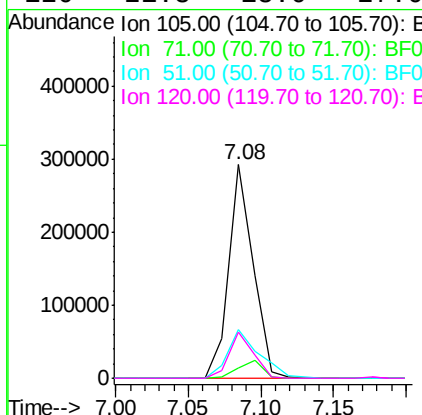
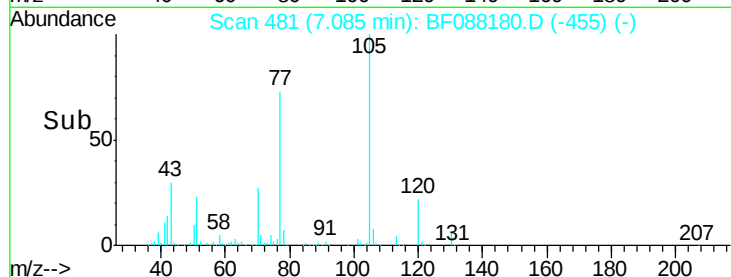
PB91406BS



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 105   | Resp: | 341561 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 4.5   | 5.3   | 7.9#   |
| 51        | 22.9  | 18.2  | 27.4   |
| 120       | 21.8  | 18.0  | 27.0   |

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#23

Nitrobenzene-d5

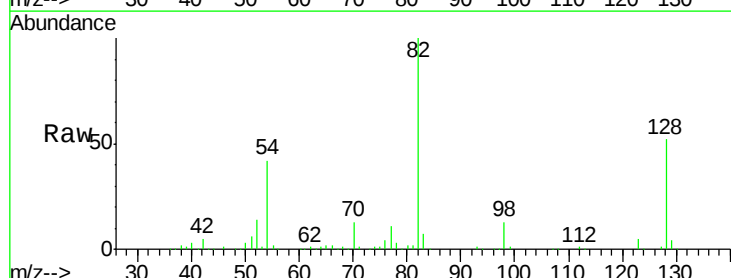
Concen: 80.31 ng

RT: 7.24 min Scan# 495

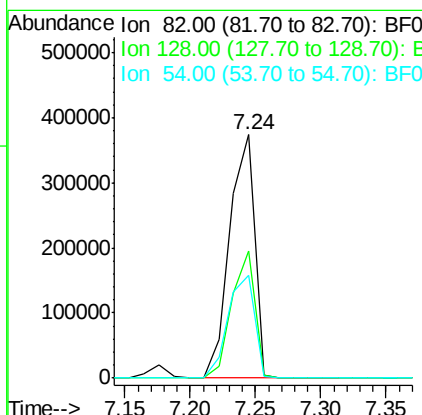
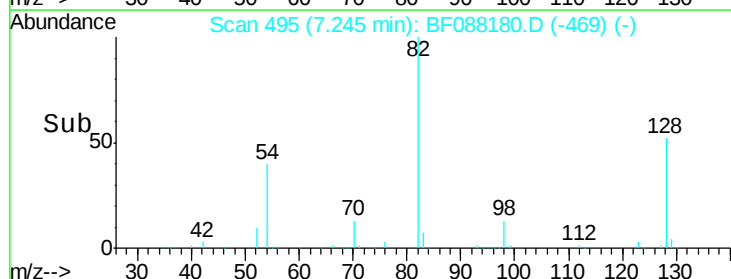
Delta R.T. -0.00 min

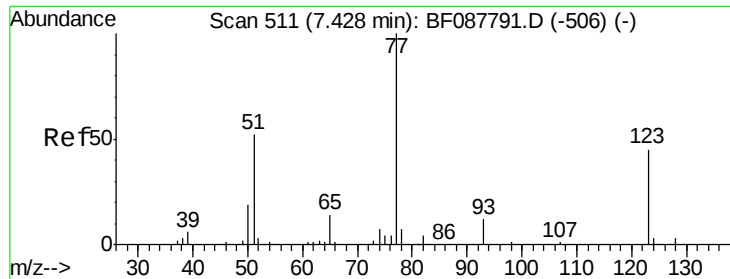
Lab File: BF088180.D

Acq: 20 Jun 2016 19:25



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 495653 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 52.3  | 35.9  | 53.9   |
| 54        | 42.0  | 40.9  | 61.3   |





#24

Nitrobenzene

Concen: 40.60 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

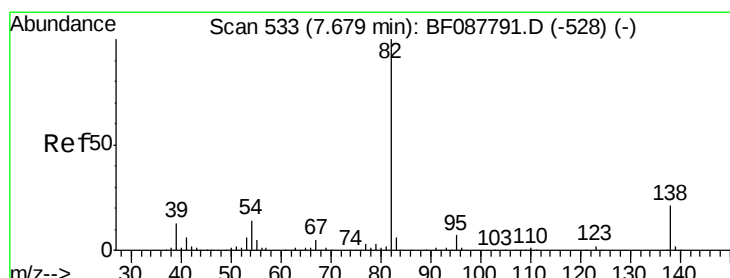
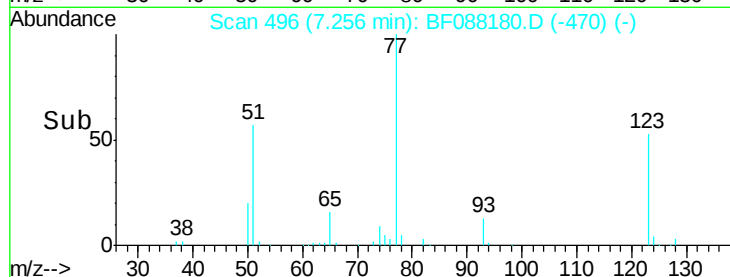
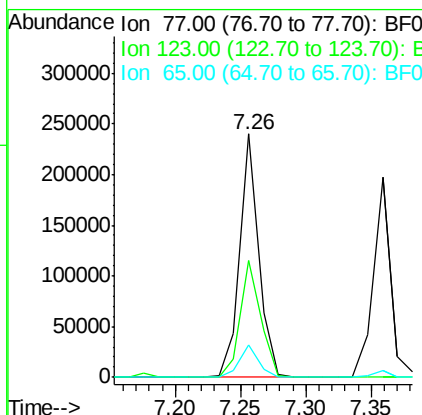
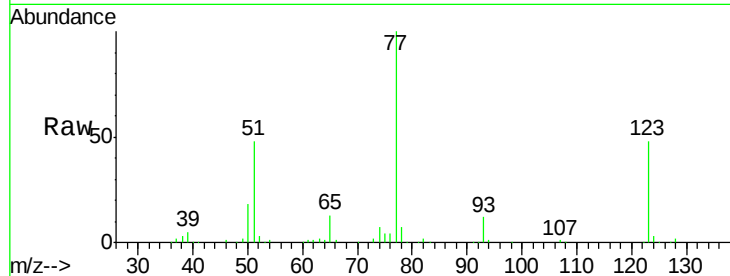
ClientSampleId :

PB91406BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 242726 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 48.3  | 45.0  | 67.4   |
| 65        | 13.3  | 10.2  | 15.2   |

Manual Integrations  
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#25

Isophorone

Concen: 41.00 ng

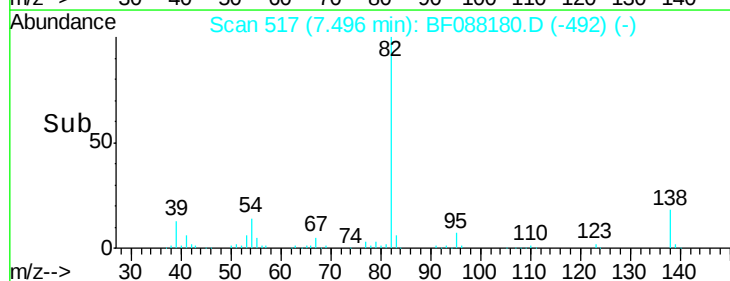
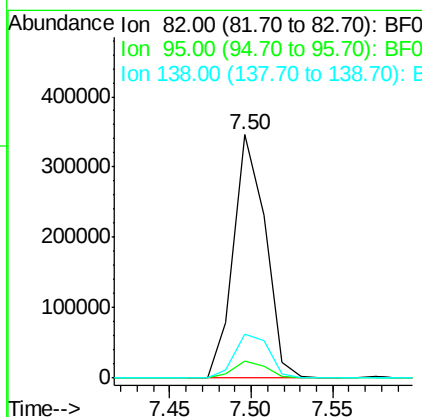
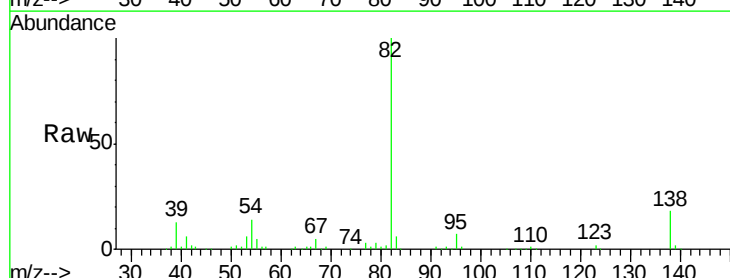
RT: 7.50 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 468722 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.9   | 5.4   | 8.2    |
| 138       | 17.9  | 14.6  | 21.8   |





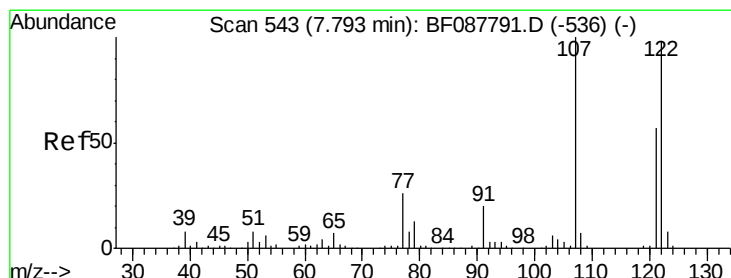
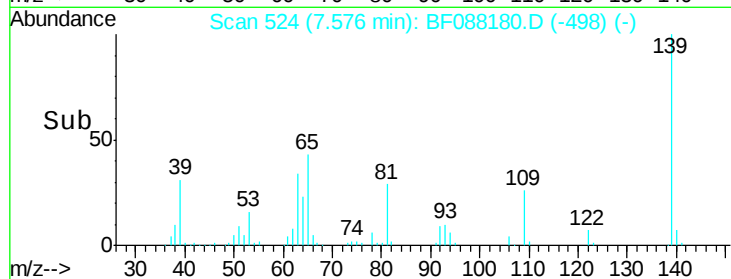
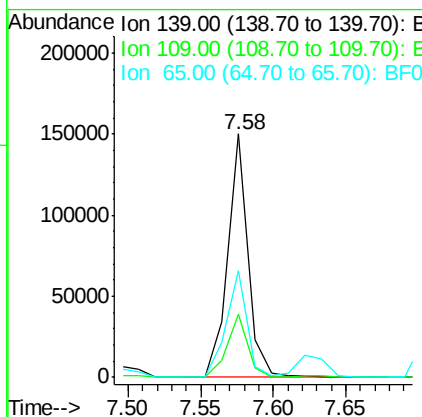
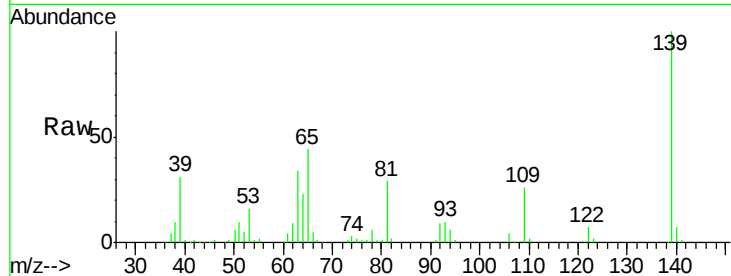
#26  
2-Nitrophenol  
Concen: 45.38 ng  
RT: 7.58 min Scan# 524  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 145315 |       |       |
| 109     | 26.0  | 23.0   | 34.4  |       |
| 65      | 43.6  | 45.8   | 68.8  |       |

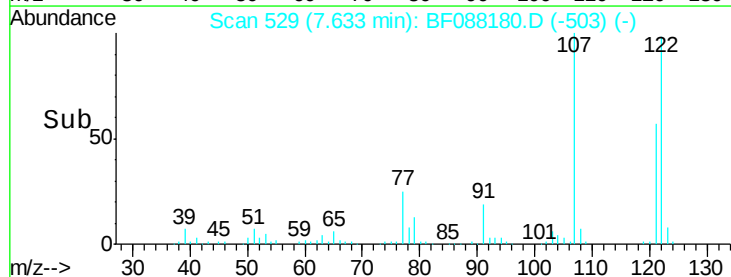
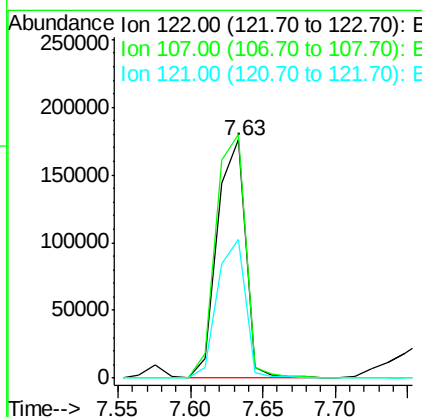
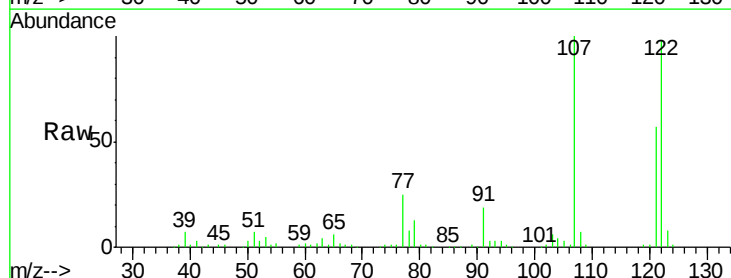
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#27  
2,4-Dimethylphenol  
Concen: 40.53 ng  
RT: 7.63 min Scan# 529  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 238997 |       |       |
| 107     | 102.2 | 82.4   | 123.6 |       |
| 121     | 58.2  | 46.3   | 69.5  |       |





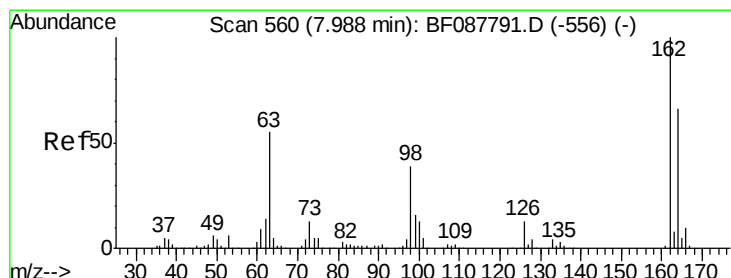
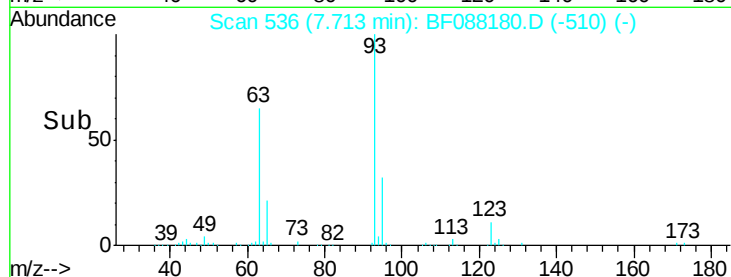
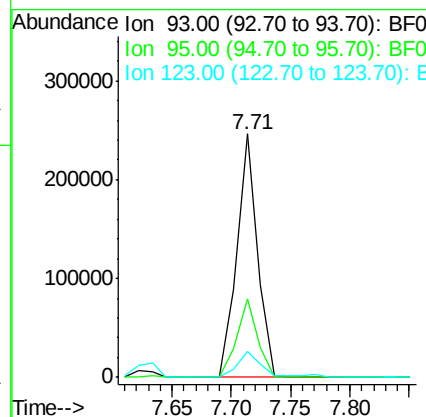
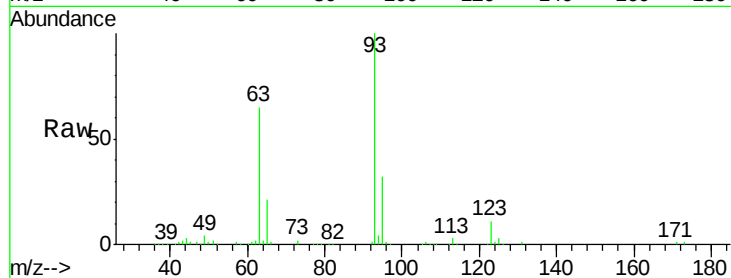
#28  
bis(2-Chloroethoxy)methane  
Concen: 41.81 ng  
RT: 7.71 min Scan# 536  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 95      | 32.5  | 26.5       | 39.7  |
| 123     | 10.9  | 11.6       | 17.4  |

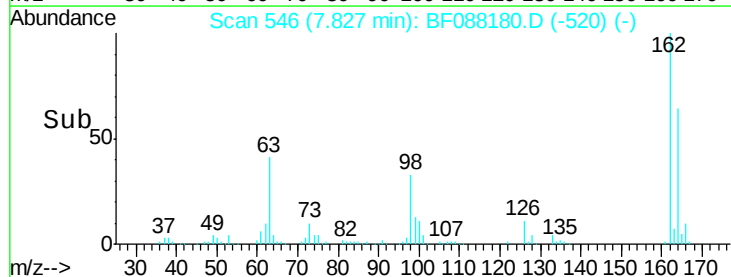
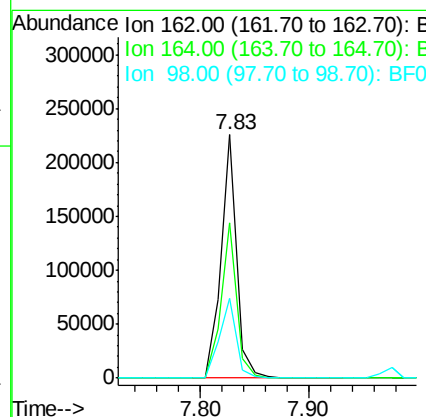
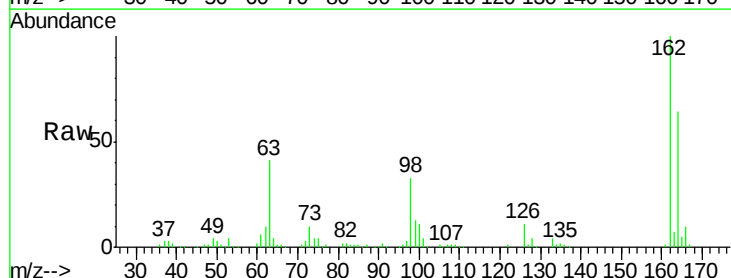
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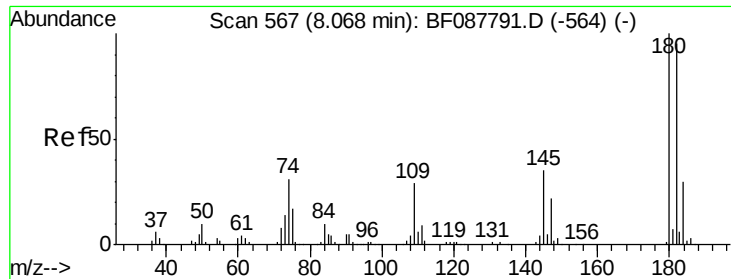
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#29  
2,4-Dichlorophenol  
Concen: 46.47 ng  
RT: 7.83 min Scan# 546  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.0  | 43.8       | 83.8  |
| 98      | 33.0  | 21.3       | 61.3  |





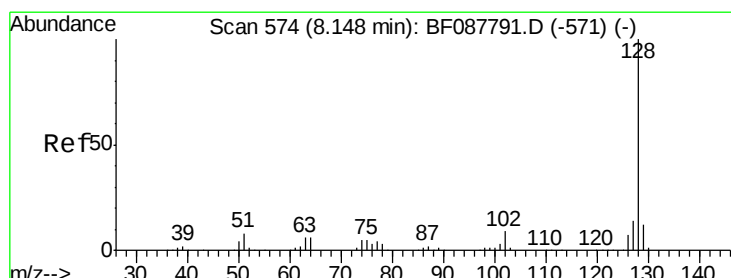
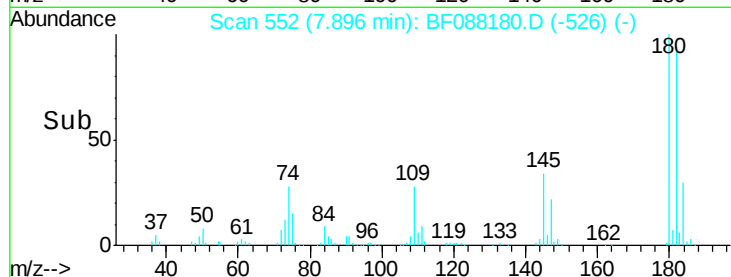
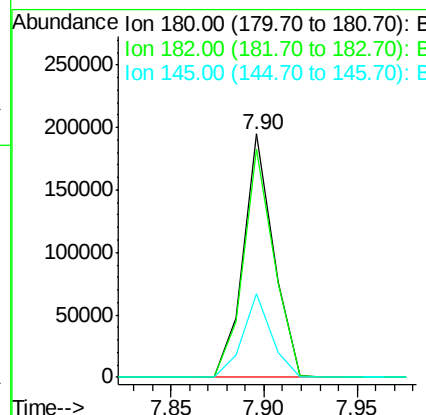
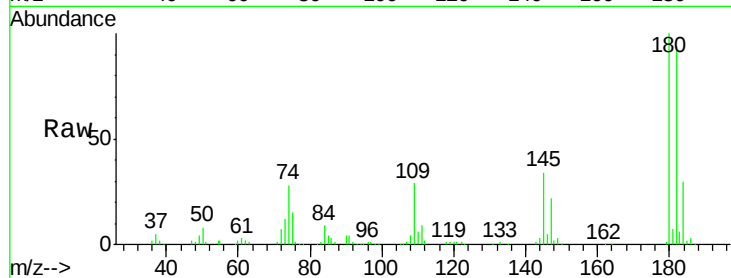
#30  
1,2,4-Trichlorobenzene  
Concen: 40.97 ng  
RT: 7.90 min Scan# 552  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 219613 |       |       |
| 182     | 93.9  | 76.0   | 114.0 |       |
| 145     | 34.5  | 26.5   | 39.7  |       |

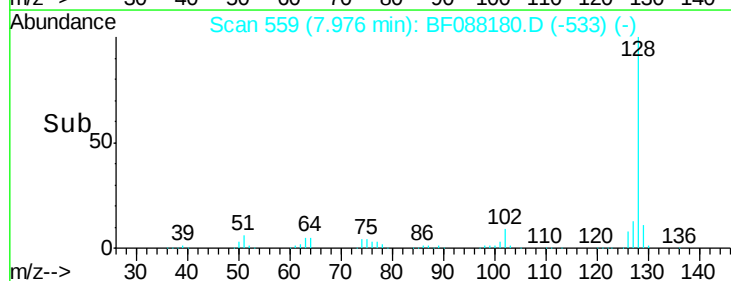
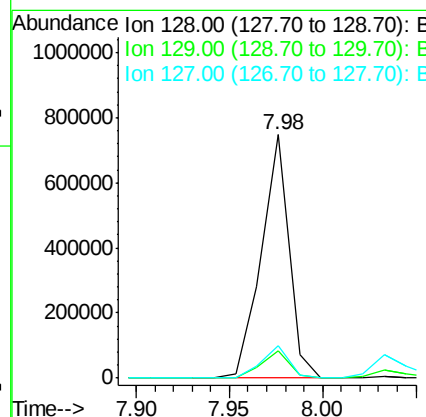
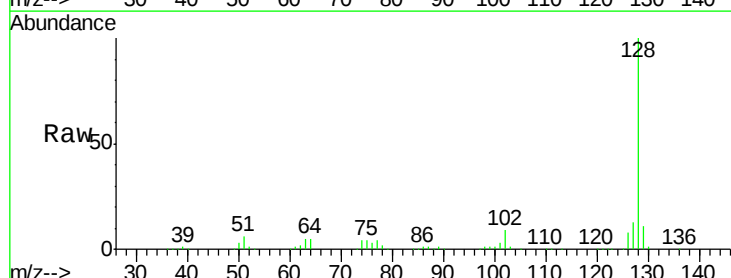
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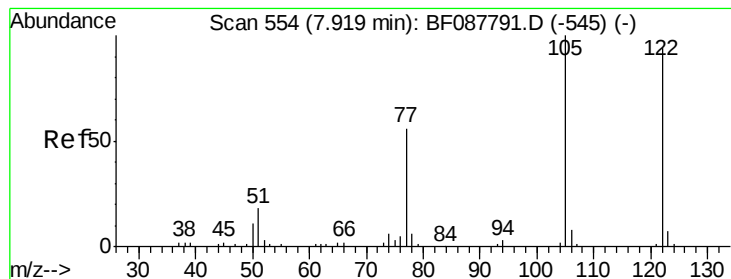
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#31  
Naphthalene  
Concen: 43.02 ng  
RT: 7.98 min Scan# 559  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 767203 |       |       |
| 129     | 11.3  | 9.4    | 14.2  |       |
| 127     | 13.2  | 10.9   | 16.3  |       |





#32

Benzoic acid

Concen: 24.60 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

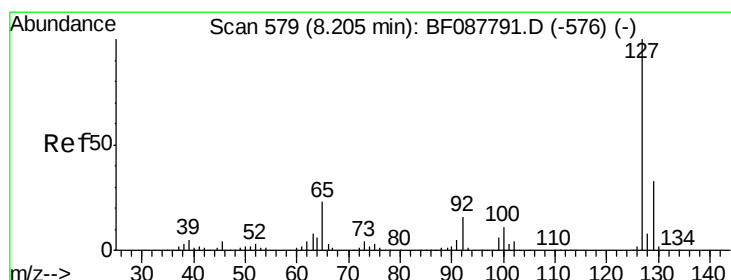
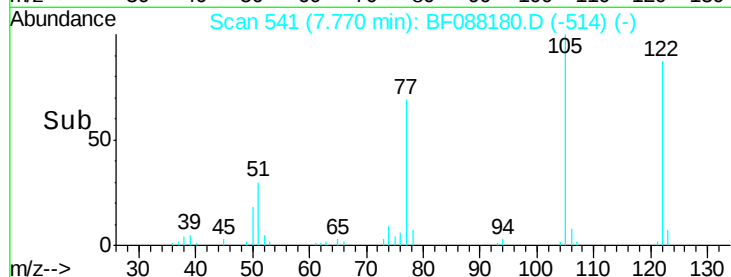
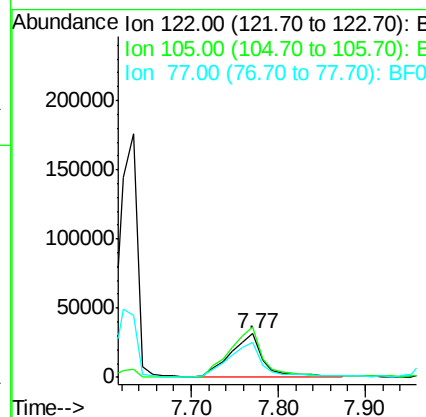
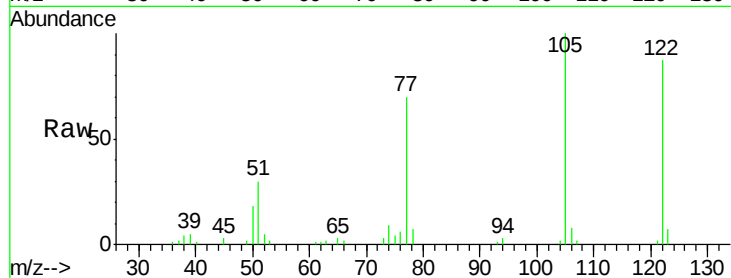
ClientSampleId :

PB91406BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 122   | Resp: | 79877 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 114.5 | 101.6 | 141.6 |
| 77        | 80.6  | 70.6  | 110.6 |

Manual Integrations  
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#33

4-Chloroaniline

Concen: 13.14 ng

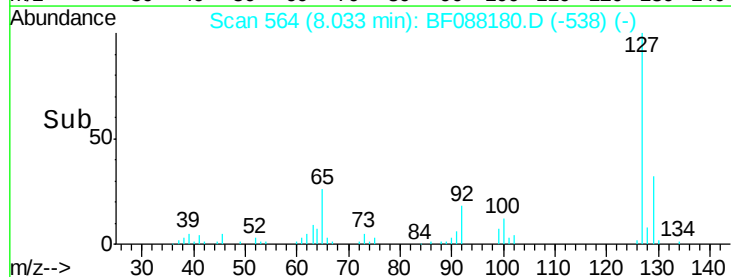
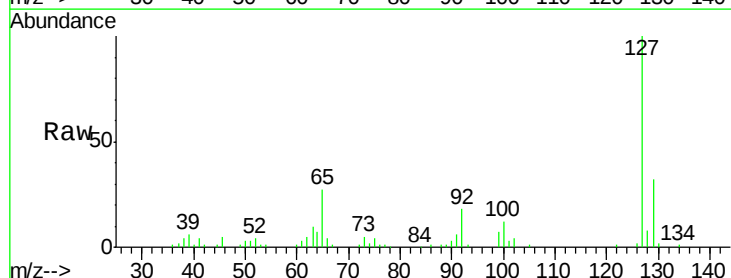
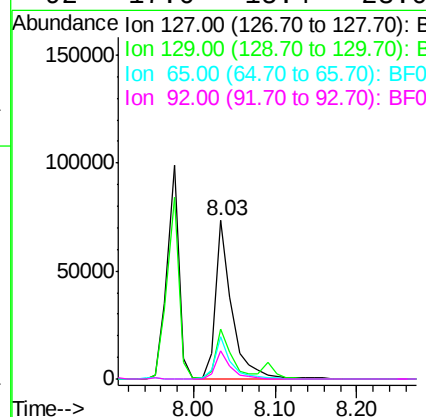
RT: 8.03 min Scan# 564

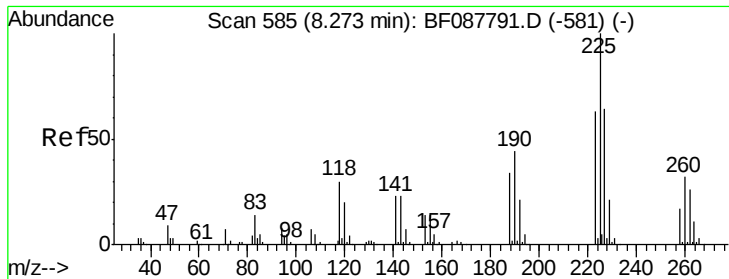
Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 104632 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.6  | 26.3  | 39.5   |
| 65        | 26.9  | 24.7  | 37.1   |
| 92        | 17.6  | 15.4  | 23.0   |





#34

Hexachlorobutadiene

Concen: 40.58 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

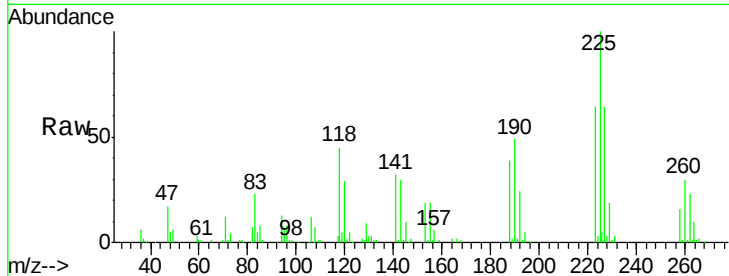
ClientSampleId :

PB91406BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 225   | Resp: | 114720 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.8  | 50.9  | 76.3   |
| 227       | 63.5  | 51.9  | 77.9   |

Manual Integrations  
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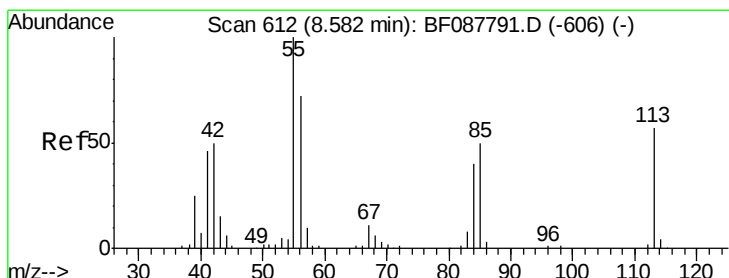
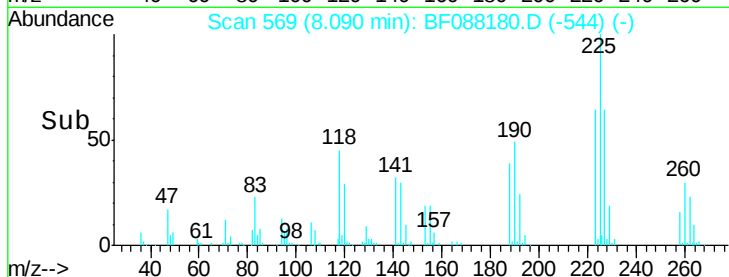
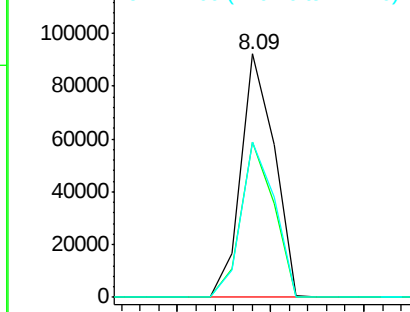


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 42.21 ng m

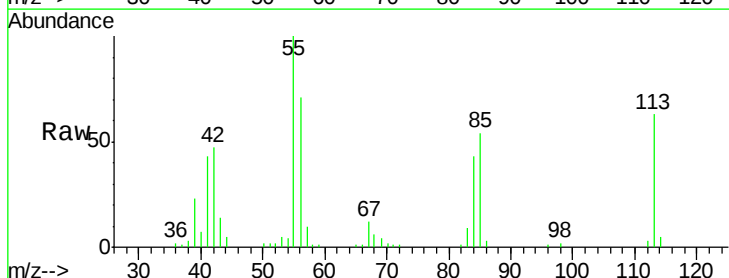
RT: 8.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 68828 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 159.4 | 158.6 | 198.6 |
| 56        | 112.7 | 110.6 | 150.6 |

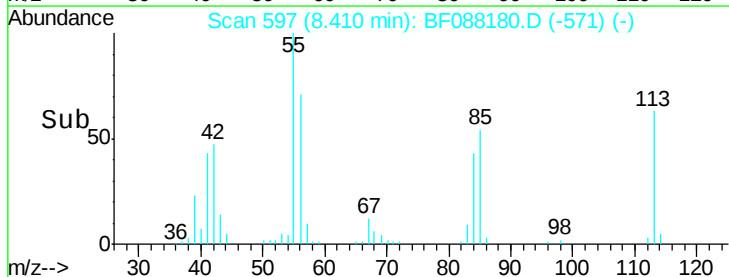
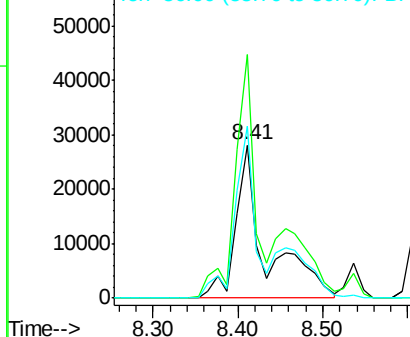


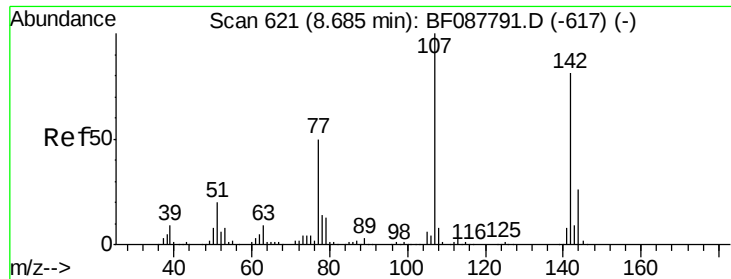
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





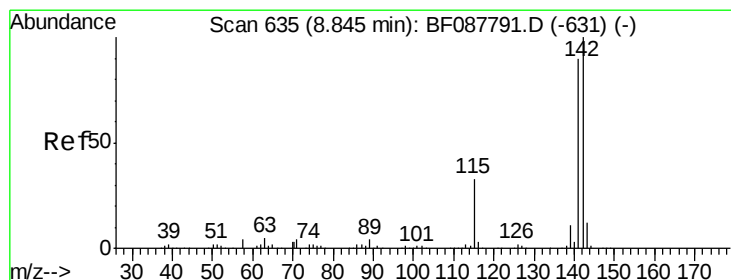
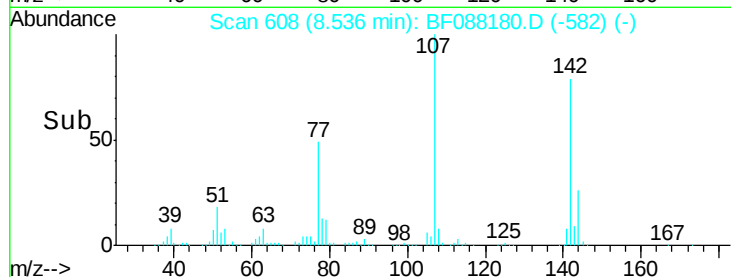
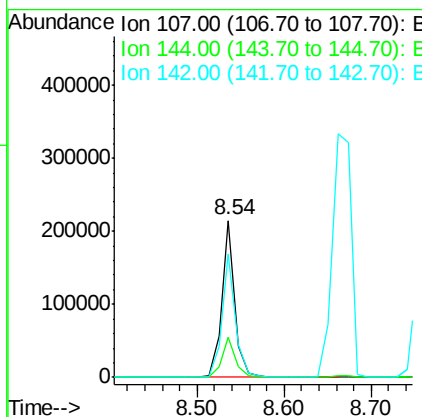
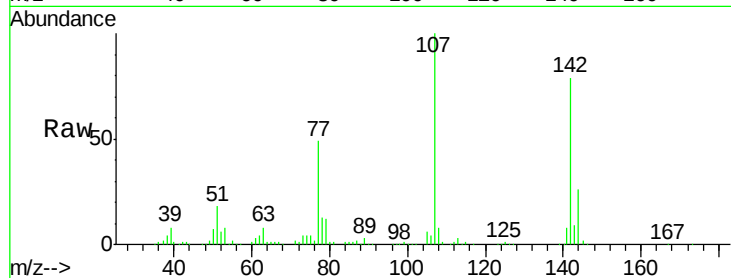
#36  
 4-Chloro-3-methylphenol  
 Concen: 42.97 ng  
 RT: 8.54 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 226232 |       |       |
| 144     | 25.6  | 20.8   | 31.2  |       |
| 142     | 79.0  | 63.4   | 95.2  |       |

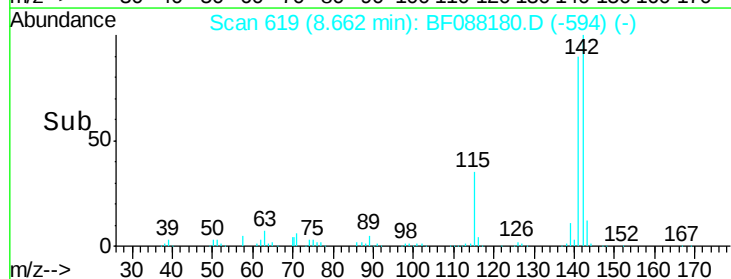
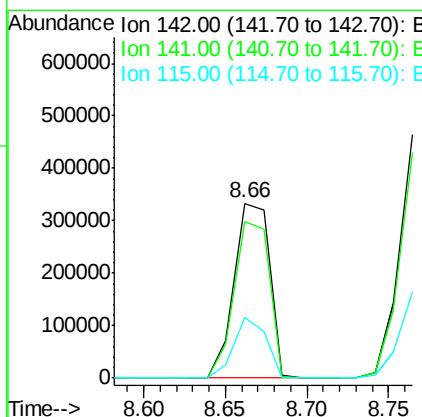
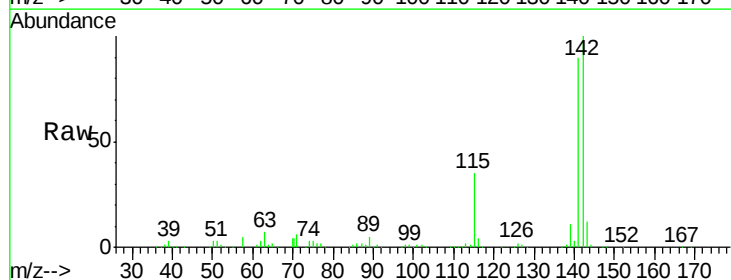
Manual Integrations  
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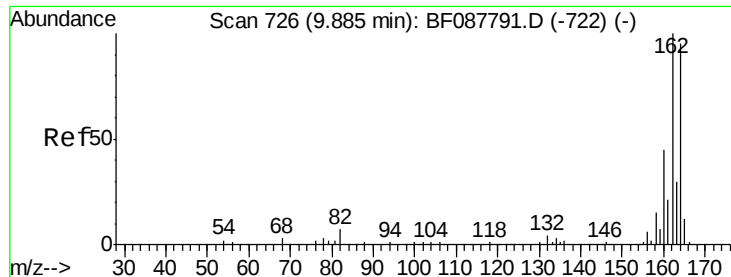
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#37  
 2-Methylnaphthalene  
 Concen: 42.85 ng  
 RT: 8.66 min Scan# 619  
 Delta R.T. -0.01 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 503665 |       |       |
| 141     | 89.8  | 71.0   | 106.6 |       |
| 115     | 34.6  | 22.6   | 33.8  |       |





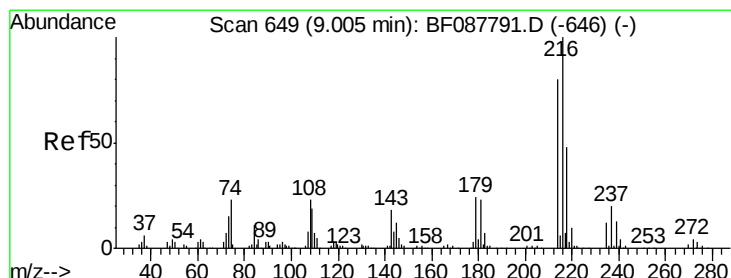
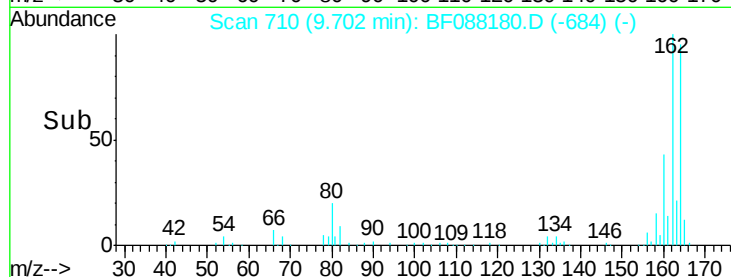
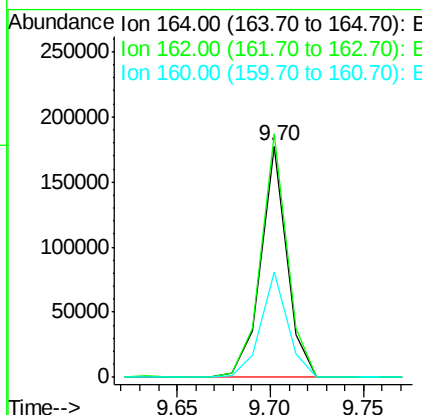
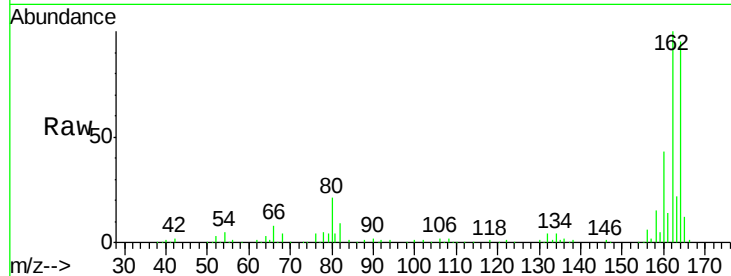
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.70 min Scan# 710  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.5 | 85.4  | 128.2 |
| 160     | 45.9  | 39.5  | 59.3  |

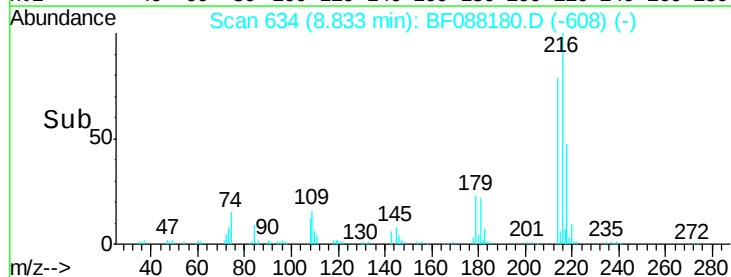
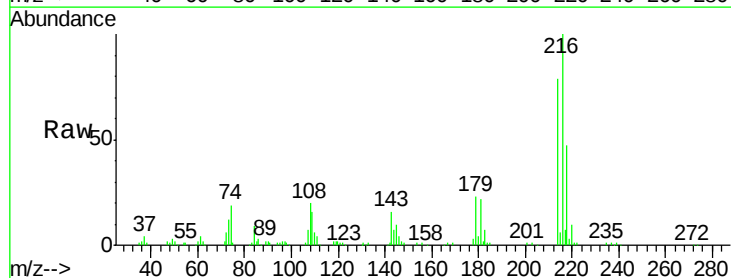
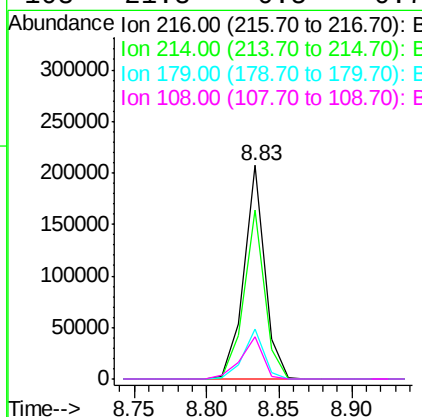
Manual Integrations  
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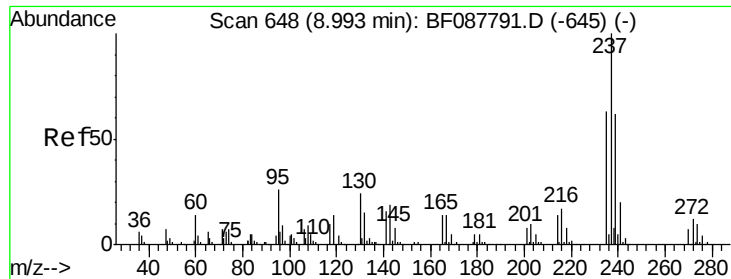
sohil  
6/21/2016 4:22:11 PM



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.54 ng  
RT: 8.83 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.5  | 2.9   | 4.3#  |
| 179     | 22.6  | 0.0   | 0.0#  |
| 108     | 21.8  | 0.5   | 0.7#  |





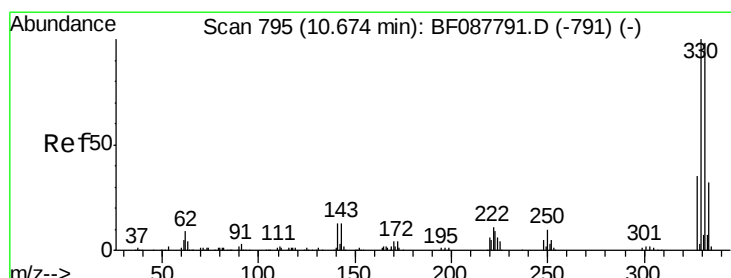
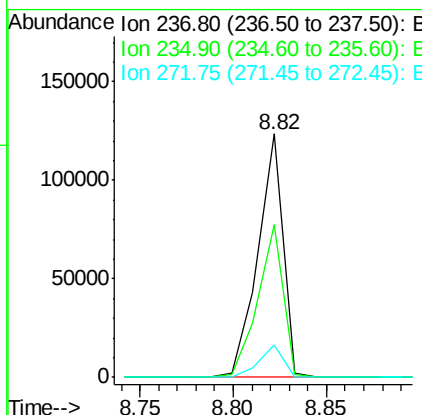
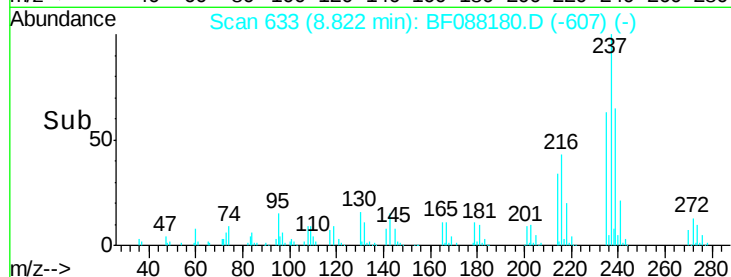
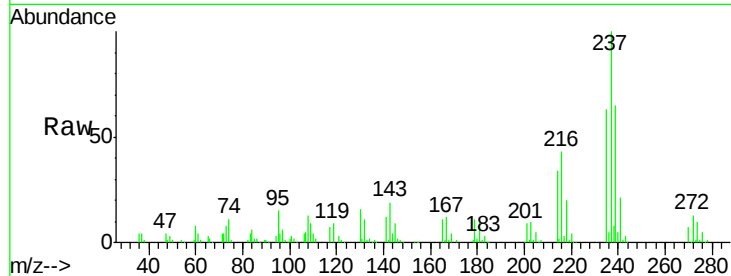
#40  
Hexachlorocyclopentadiene  
Concen: 42.65 ng  
RT: 8.82 min Scan# 633  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 62.8  | 43.4       | 83.4  |
| 272     | 13.1  | 0.0        | 32.3  |

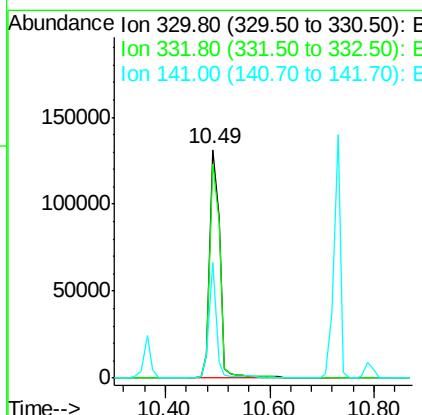
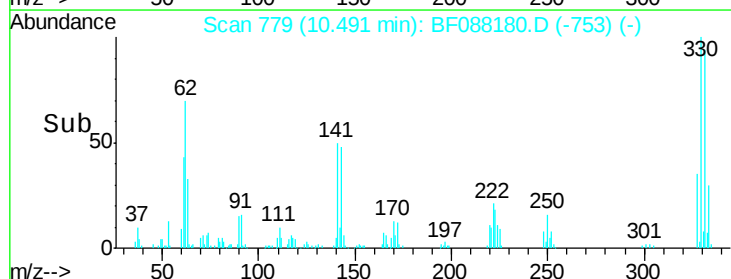
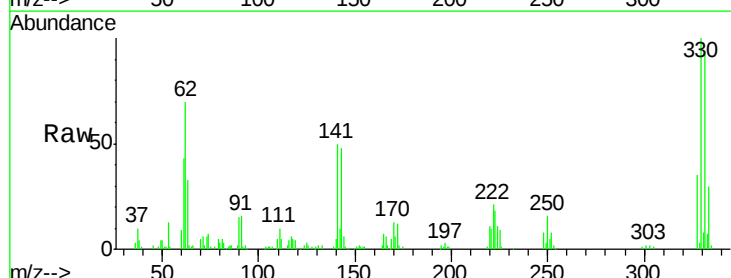
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#41  
2,4,6-Tribromophenol  
Concen: 98.46 ng  
RT: 10.49 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.4  | 0.0        | 0.0#  |
| 141     | 36.2  | 0.0        | 0.0#  |





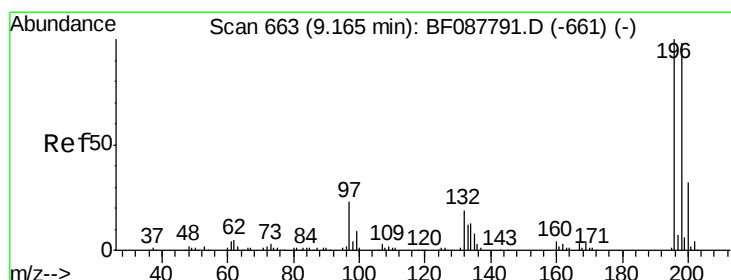
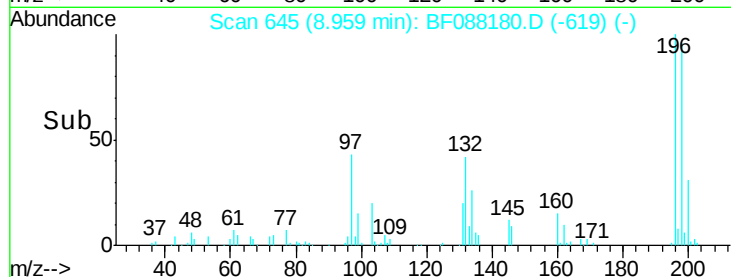
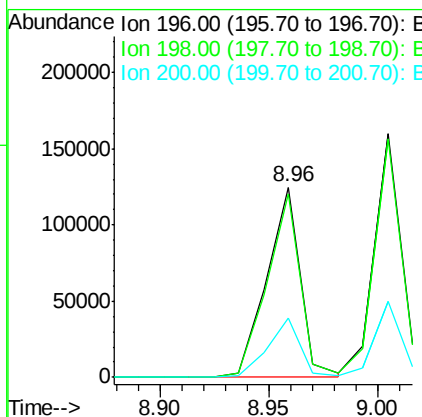
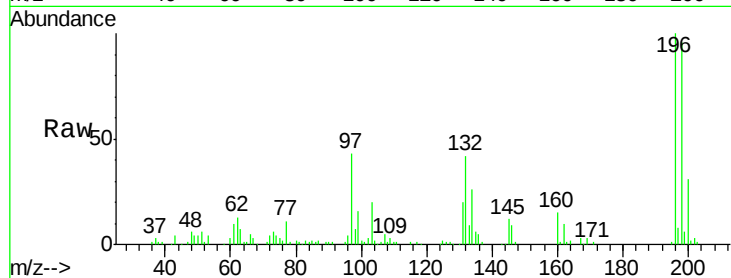
#42  
2,4,6-Trichlorophenol  
Concen: 39.39 ng  
RT: 8.96 min Scan# 645  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 134396 |       |       |
| 198     | 96.2  | 78.0   | 117.0 |       |
| 200     | 30.9  | 25.4   | 38.2  |       |

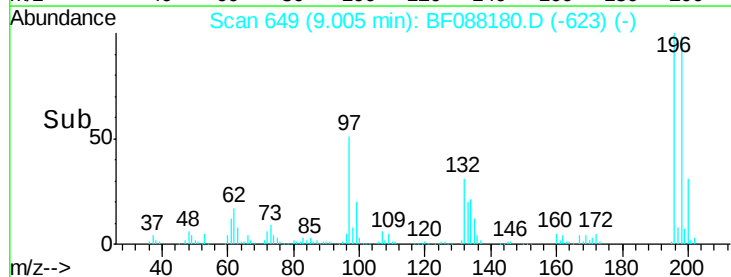
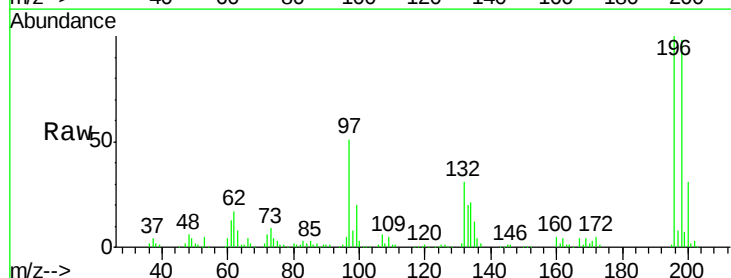
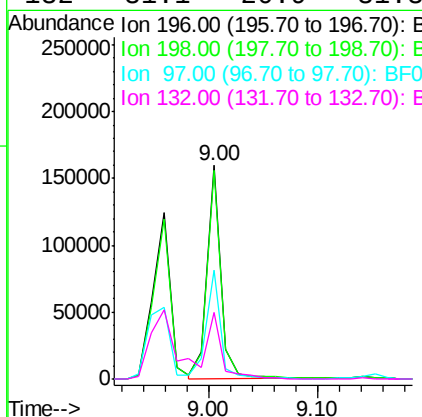
Manual Integrations  
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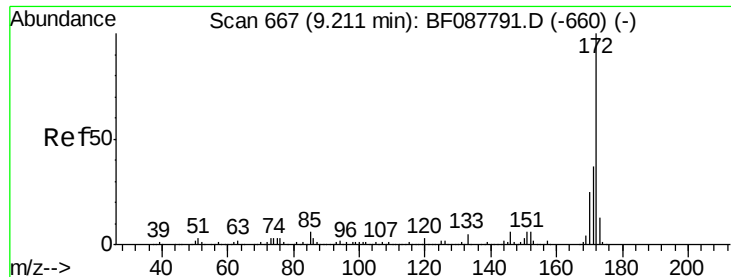
sohil  
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#43  
2,4,5-Trichlorophenol  
Concen: 40.77 ng  
RT: 9.00 min Scan# 649  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 144707 |       |       |
| 198     | 97.8  | 77.5   | 116.3 |       |
| 97      | 51.0  | 32.0   | 48.0  |       |
| 132     | 31.1  | 20.9   | 31.3  |       |





#44

2-Fluorobiphenyl

Concen: 89.84 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

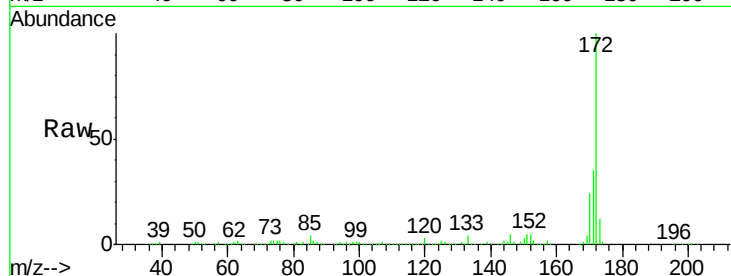
ClientSampleId :

PB91406BS

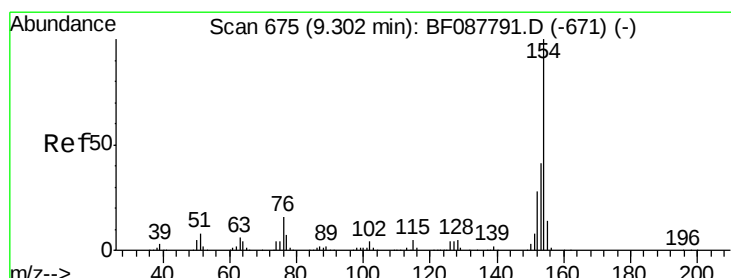
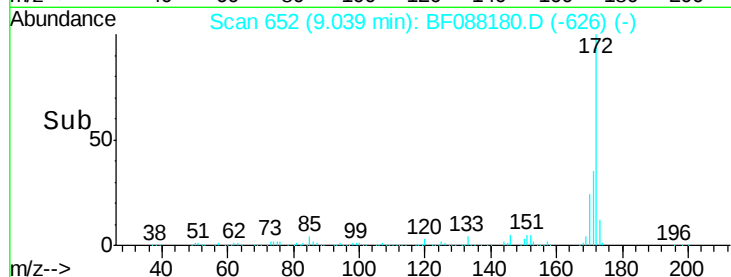
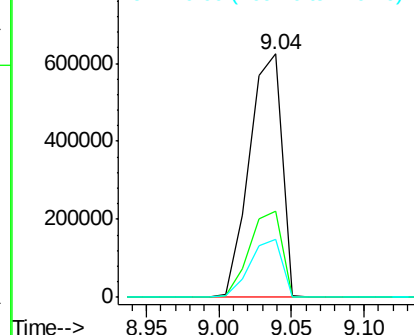
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 172  | Resp: | 972227 |
| Ion Ratio |      | Lower | Upper  |
| 172       | 100  |       |        |
| 171       | 35.5 | 28.6  | 43.0   |
| 170       | 23.6 | 19.2  | 28.8   |

Manual Integrations  
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Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 45.36 ng

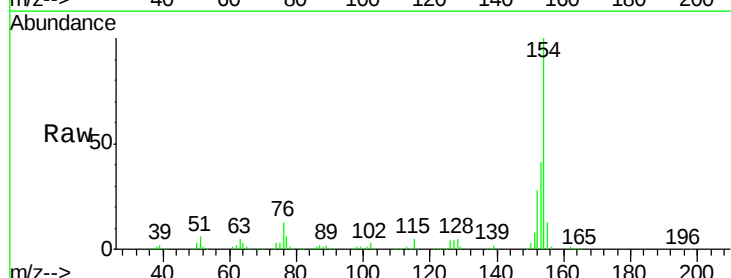
RT: 9.13 min Scan# 660

Delta R.T. -0.00 min

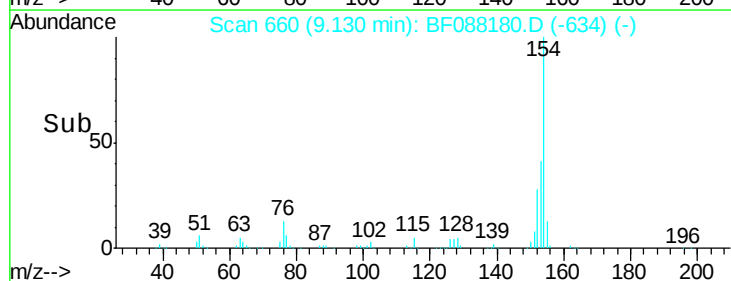
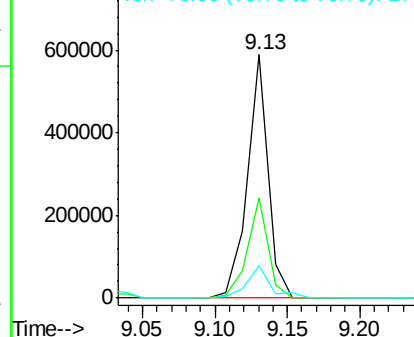
Lab File: BF088180.D

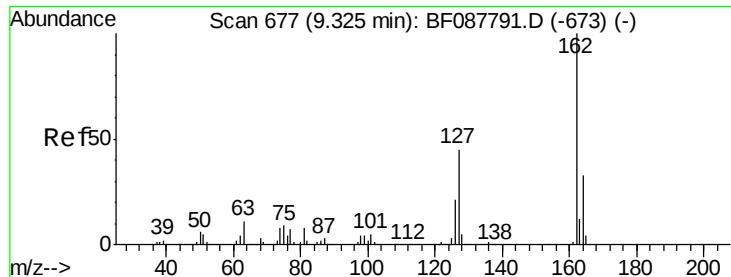
Acq: 20 Jun 2016 19:25

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 154  | Resp: | 580238 |
| Ion Ratio |      | Lower | Upper  |
| 154       | 100  |       |        |
| 153       | 41.0 | 20.6  | 60.6   |
| 76        | 13.1 | 0.0   | 35.1   |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0





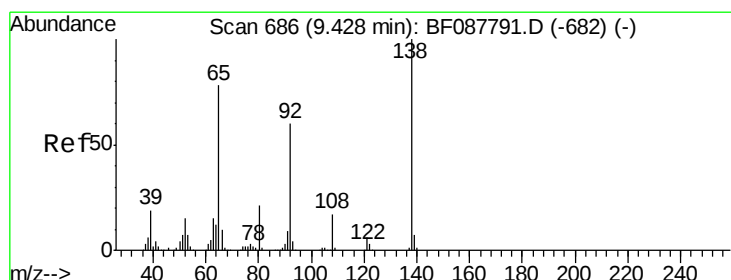
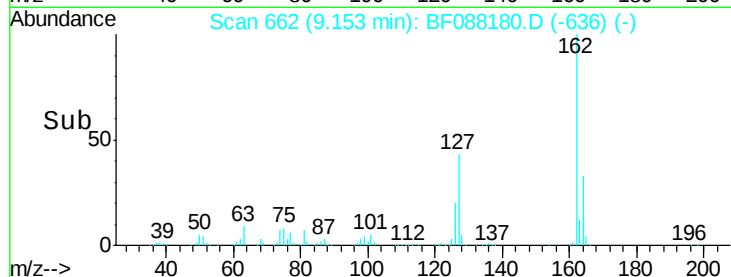
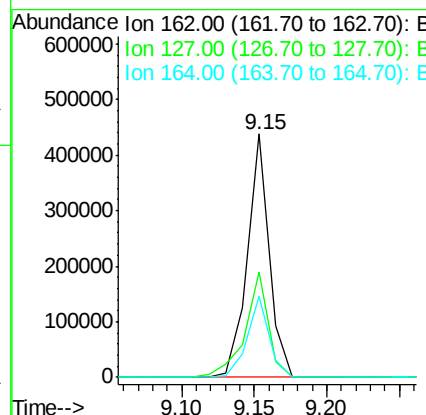
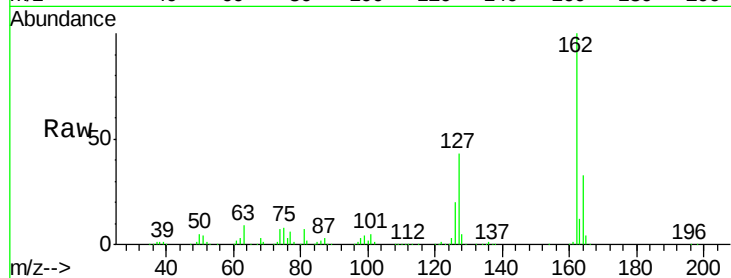
#46  
2-Chloronaphthalene  
Concen: 41.45 ng  
RT: 9.15 min Scan# 662  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 43.3  | 35.2 | 52.8  |       |
| 164     | 33.2  | 26.6 | 39.8  |       |

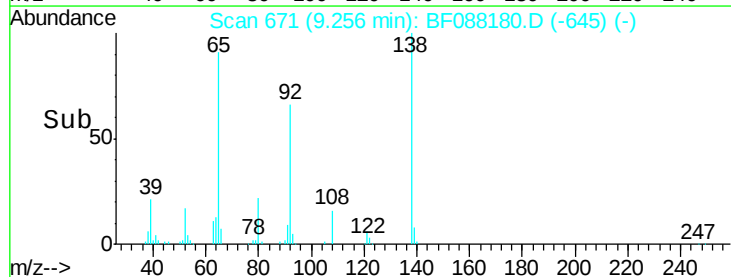
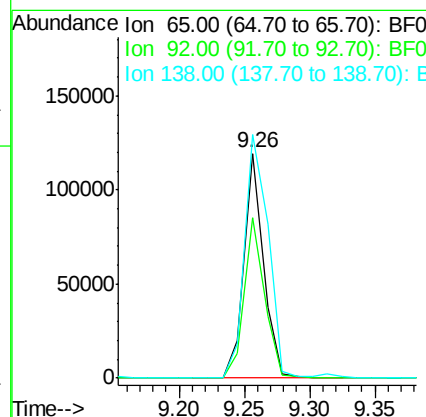
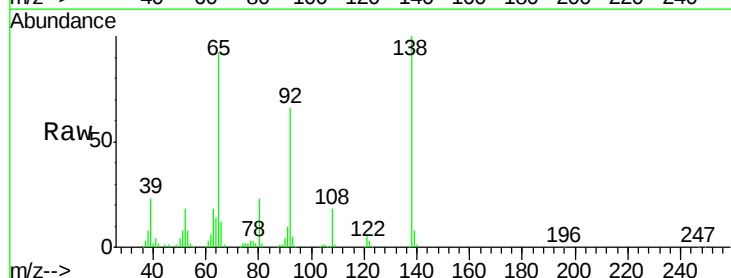
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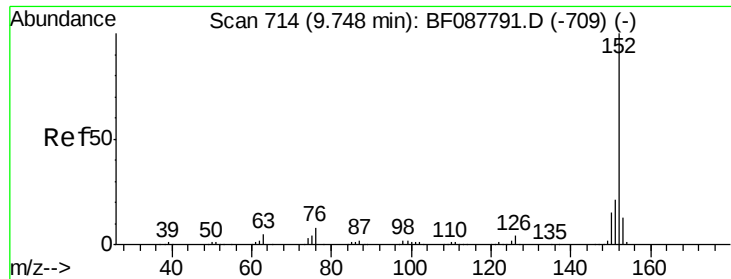
sohil  
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#47  
2-Nitroaniline  
Concen: 38.04 ng  
RT: 9.26 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 92      | 71.1  | 54.6 | 82.0  |       |
| 138     | 108.2 | 77.0 | 115.4 |       |





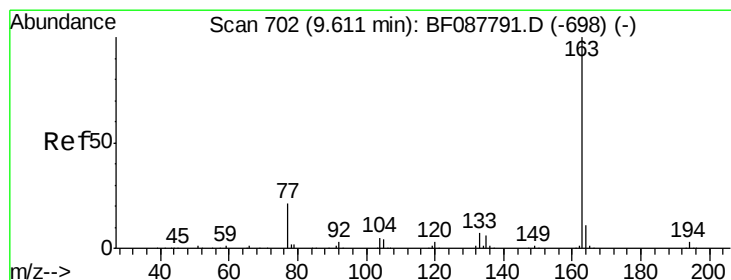
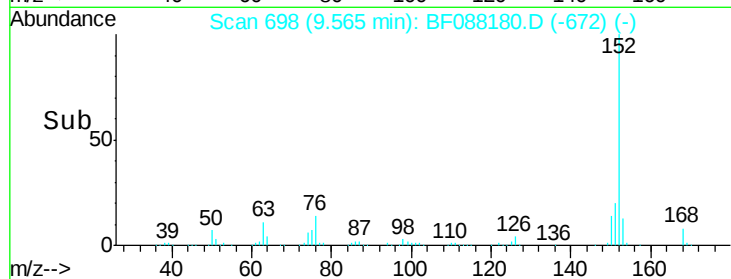
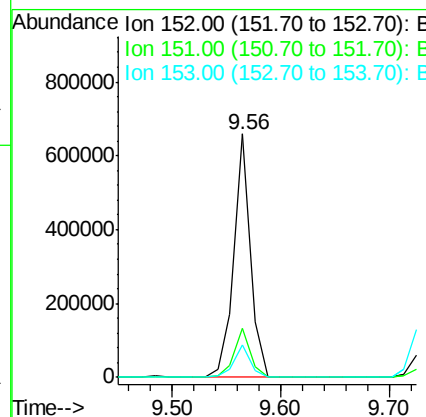
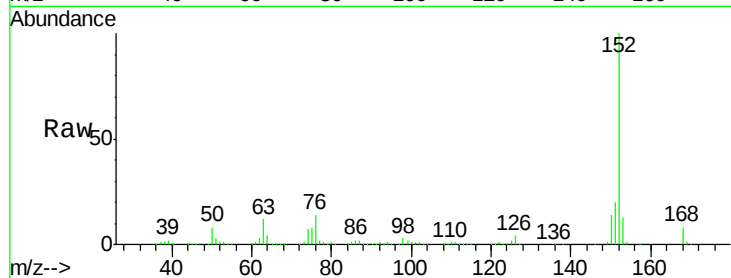
#48  
Acenaphthylene  
Concen: 39.20 ng  
RT: 9.56 min Scan# 698  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 688353 |       |       |
| 151     | 20.1  |        | 16.2  | 24.4  |
| 153     | 13.4  |        | 11.0  | 16.6  |

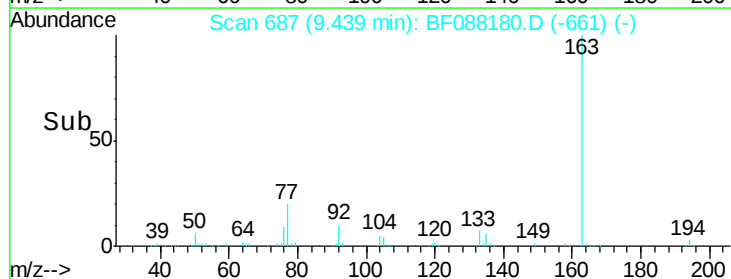
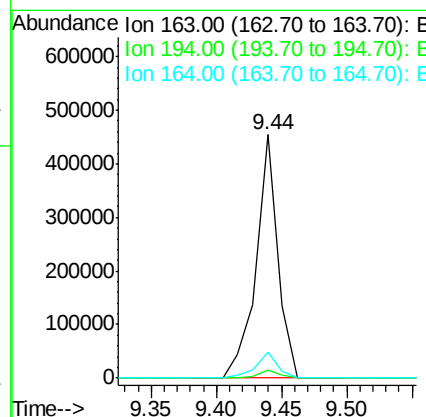
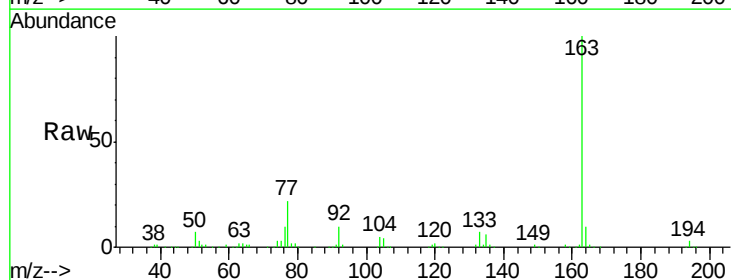
Manual Integrations  
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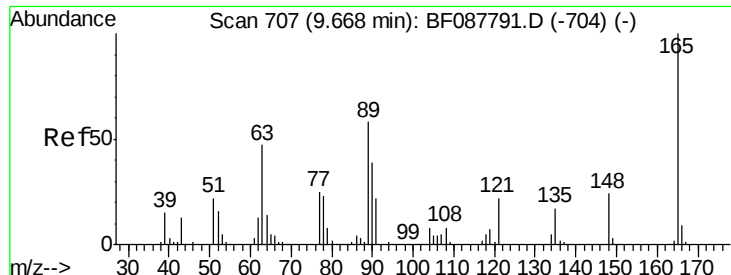
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#49  
Dimethylphthalate  
Concen: 42.75 ng  
RT: 9.44 min Scan# 687  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 528335 |       |       |
| 194     | 3.2   |        | 2.8   | 4.2   |
| 164     | 10.5  |        | 8.3   | 12.5  |





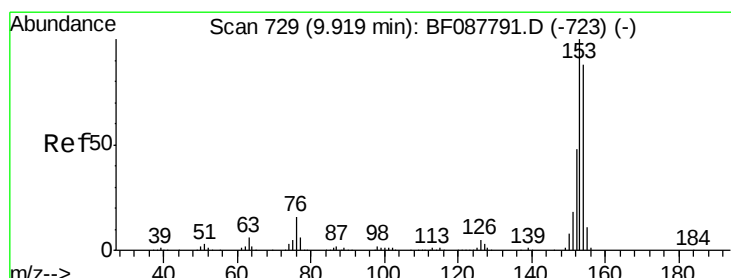
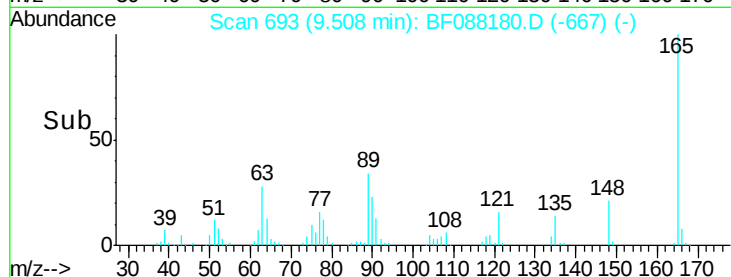
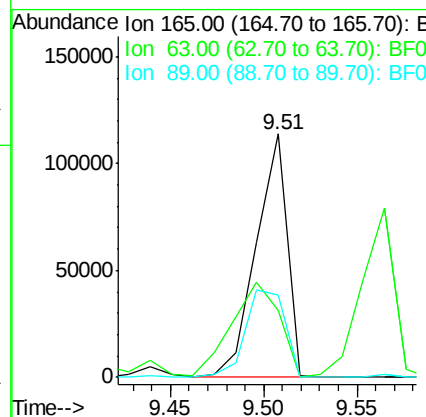
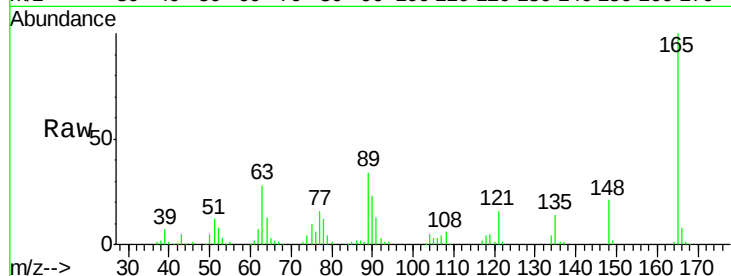
#50  
2,6-Dinitrotoluene  
Concen: 46.31 ng  
RT: 9.51 min Scan# 693  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 27.5  | 28.1       | 42.1# |
| 89      | 33.8  | 32.2       | 48.2  |

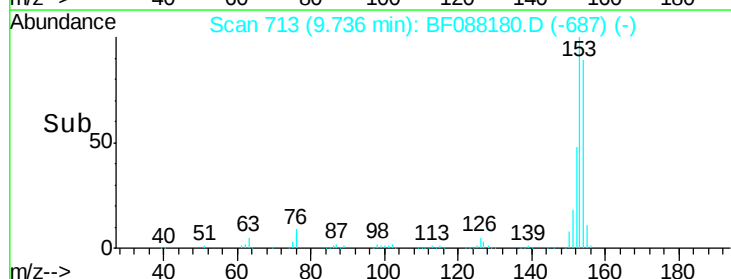
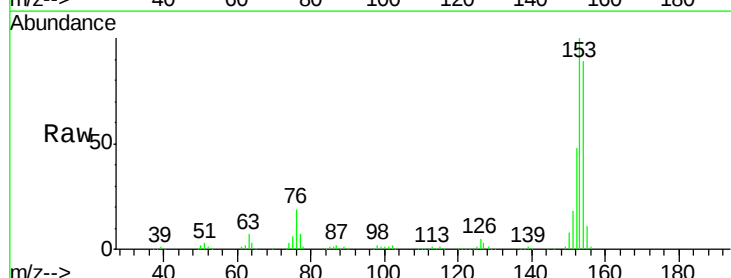
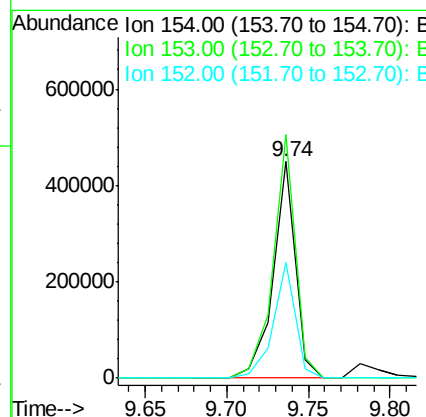
Manual Integrations  
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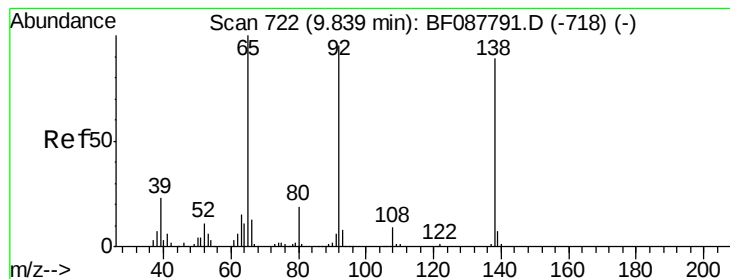
sohil  
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#51  
Acenaphthene  
Concen: 38.99 ng  
RT: 9.74 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 154     | 100   |            |       |
| 153     | 112.4 | 89.5       | 134.3 |
| 152     | 53.6  | 42.7       | 64.1  |





#52

3-Nitroaniline

Concen: 20.69 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

ClientSampled :

PB91406BS

Tot Ion:138 Resp: 67563

Ion Ratio Lower Upper

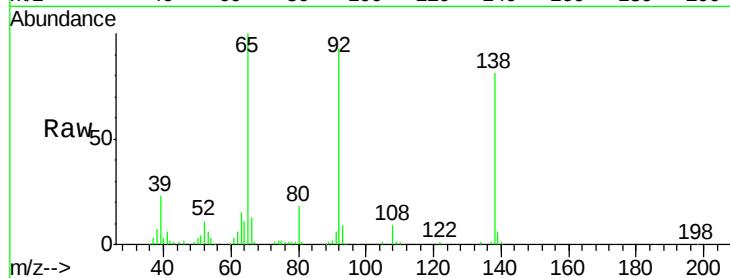
138 100

108 10.7 8.5 12.7

92 115.4 95.7 143.5

Manual Integrations  
APPROVED

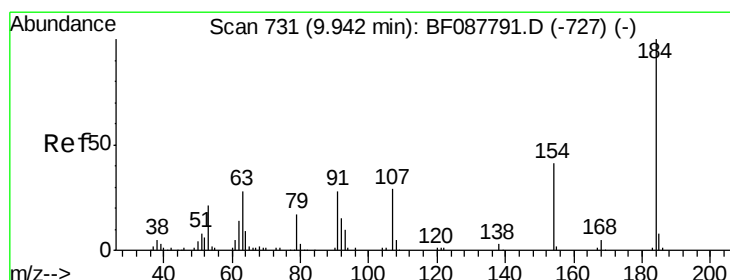
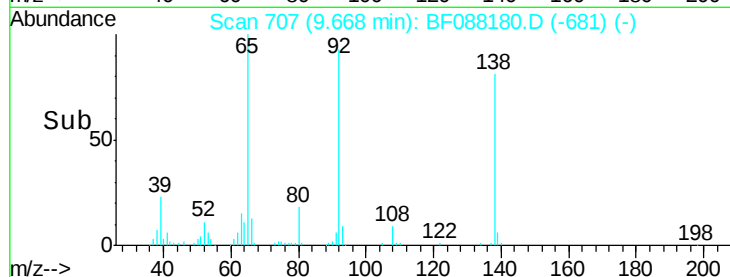
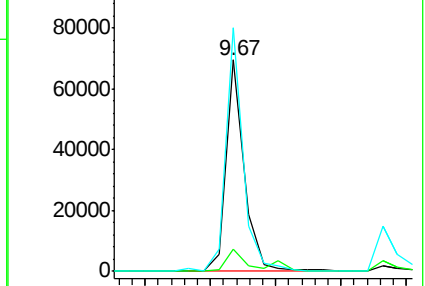
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#53

2,4-Dinitrophenol

Concen: 46.97 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

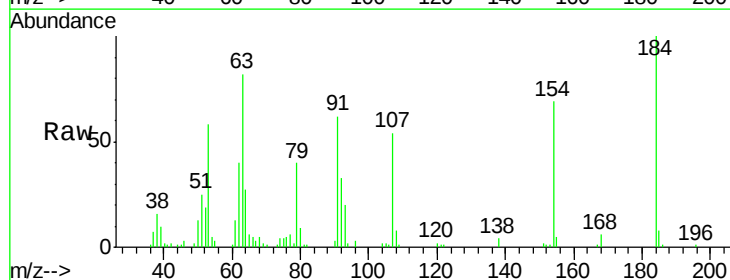
Tgt Ion:184 Resp: 64358

Ion Ratio Lower Upper

184 100

63 81.6 57.6 86.4

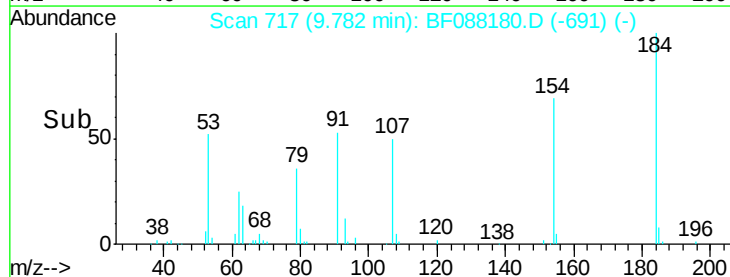
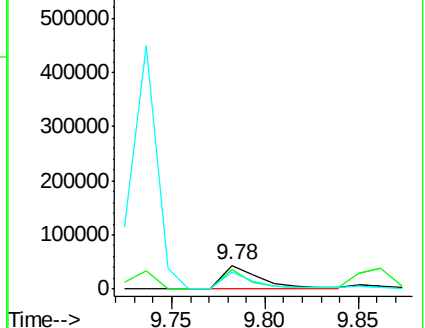
154 69.0 53.5 80.3

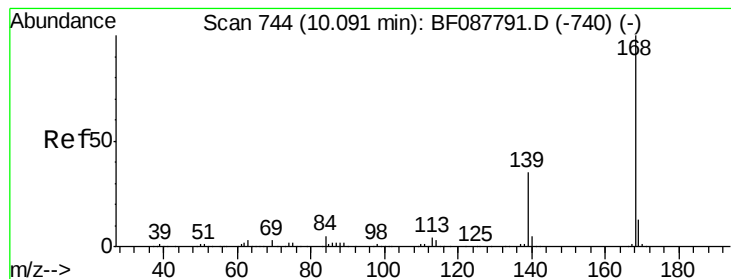


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 38.99 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

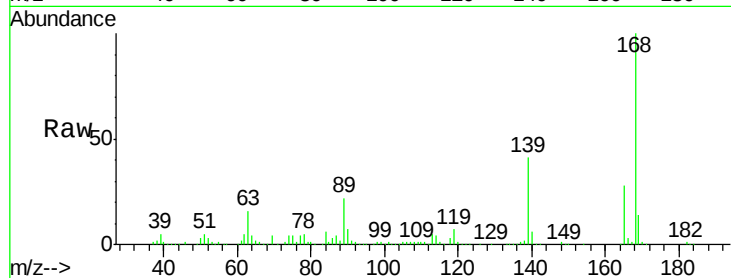
ClientSampleId :

PB91406BS

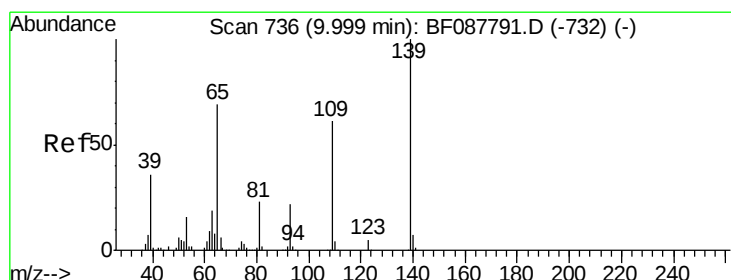
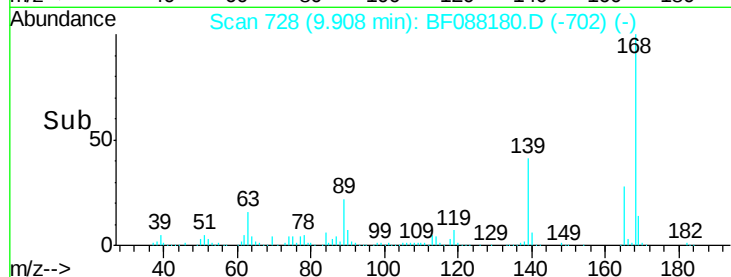
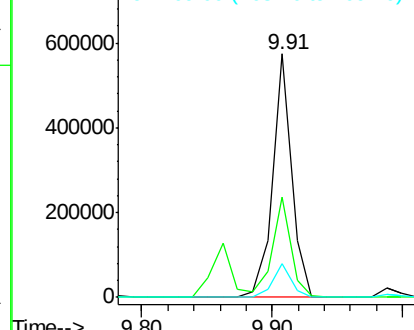
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 588286 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 41.3  | 26.4  | 39.6#  |
| 169       | 13.7  | 10.4  | 15.6   |

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Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 56.02 ng

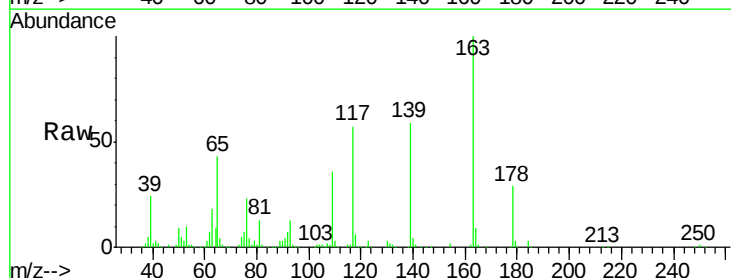
RT: 9.86 min Scan# 724

Delta R.T. 0.01 min

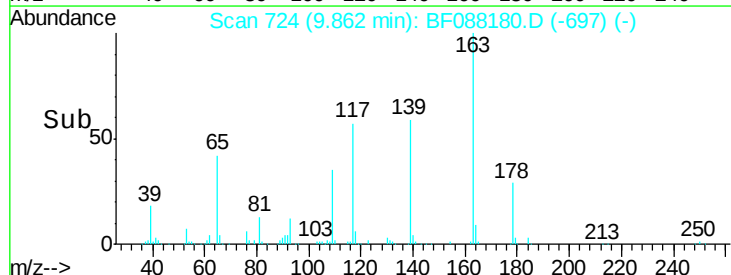
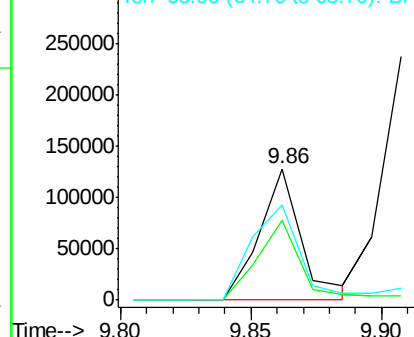
Lab File: BF088180.D

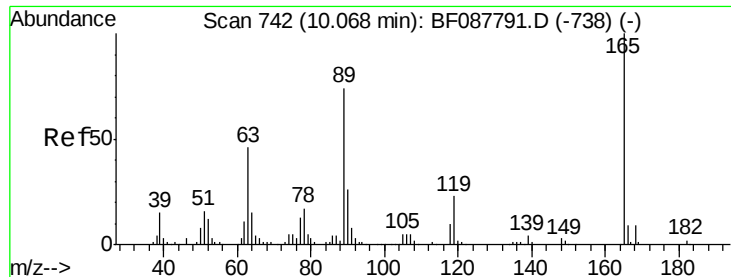
Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 141993 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 60.6  | 48.9  | 88.9   |
| 65        | 72.4  | 84.9  | 124.9# |



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0





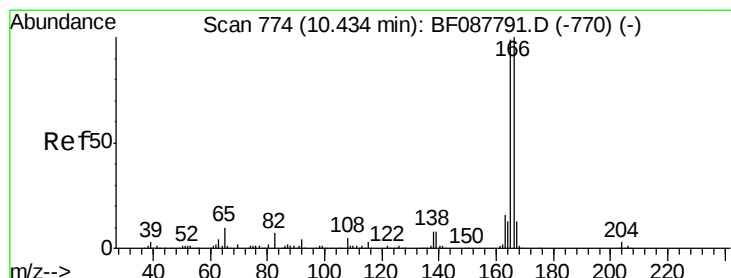
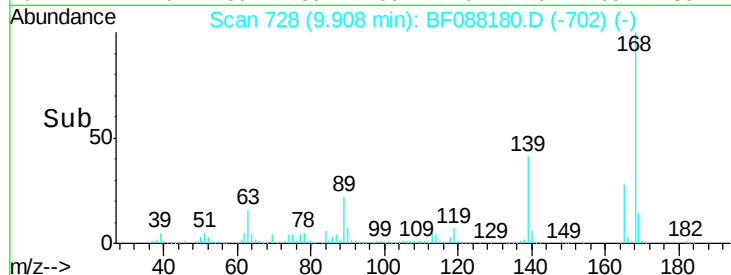
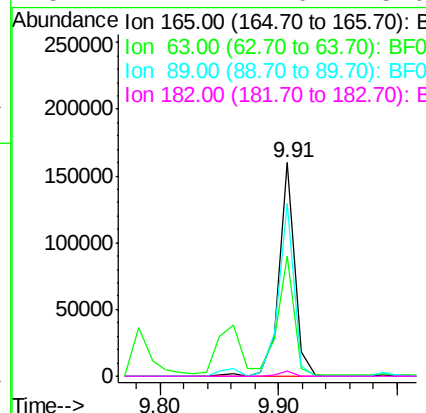
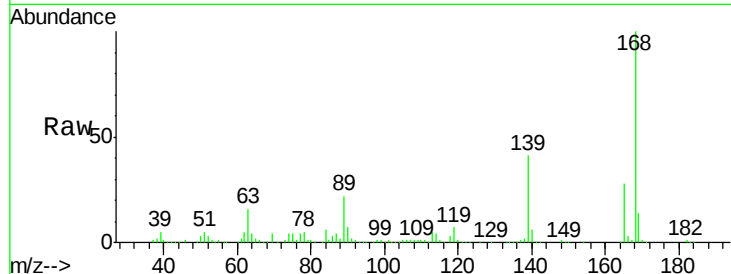
#56  
2,4-Dinitrotoluene  
Concen: 40.42 ng  
RT: 9.91 min Scan# 728  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 146999 |       |       |
| 63      | 56.5 | 22.0  | 33.0#  |       |       |
| 89      | 80.7 | 41.1  | 61.7#  |       |       |
| 182     | 2.4  | 2.0   | 3.0    |       |       |

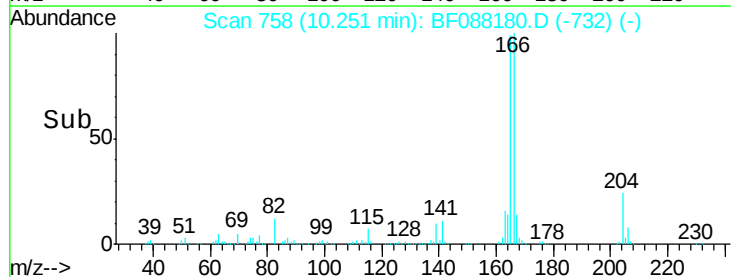
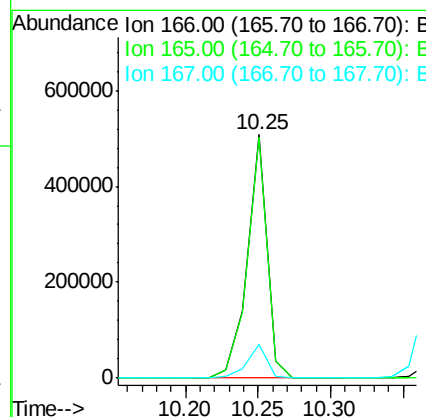
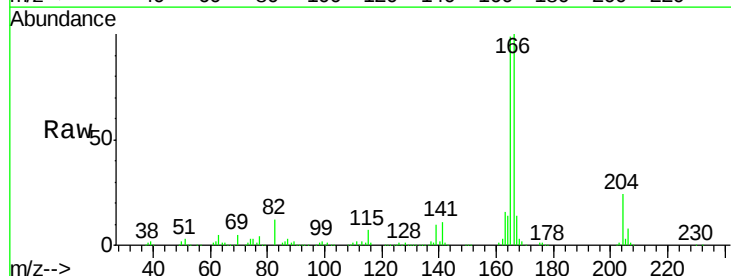
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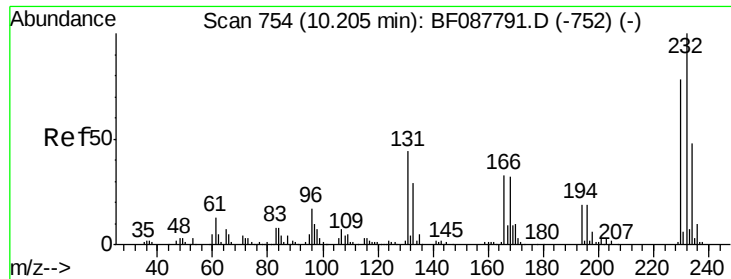
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#57  
Fluorene  
Concen: 47.71 ng  
RT: 10.25 min Scan# 758  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 483405 |       |       |
| 165     | 98.8 | 77.8  | 116.8  |       |       |
| 167     | 13.6 | 11.2  | 16.8   |       |       |





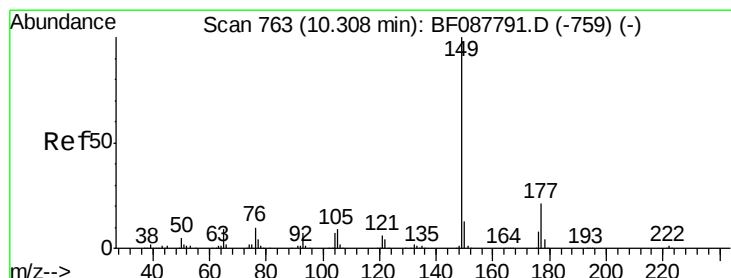
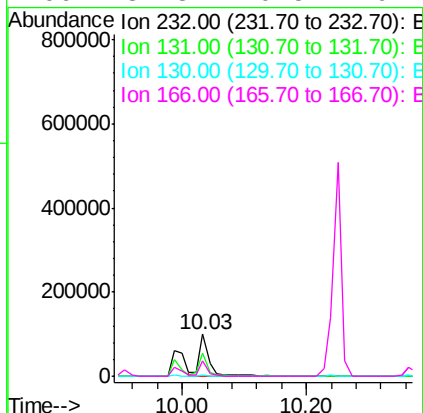
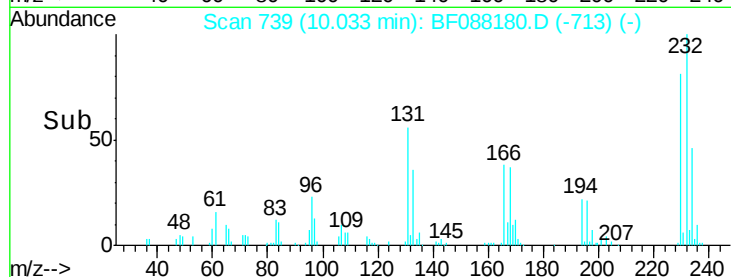
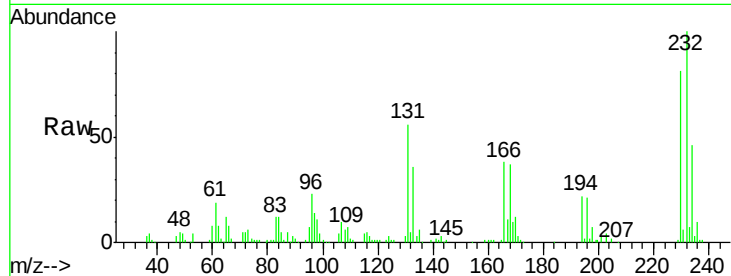
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 40.27 ng  
 RT: 10.03 min Scan# 739  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 232     | 100   |            |       |
| 131     | 49.0  | 0.9        | 1.3#  |
| 130     | 2.3   | 1.5        | 2.3   |
| 166     | 31.8  | 0.5        | 0.7#  |

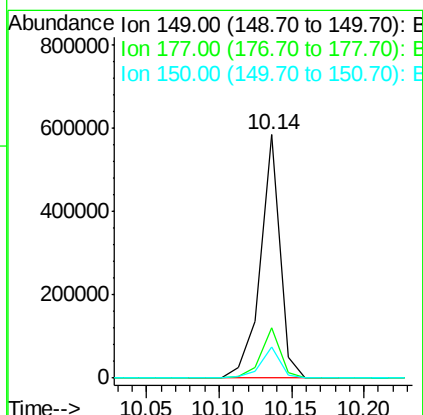
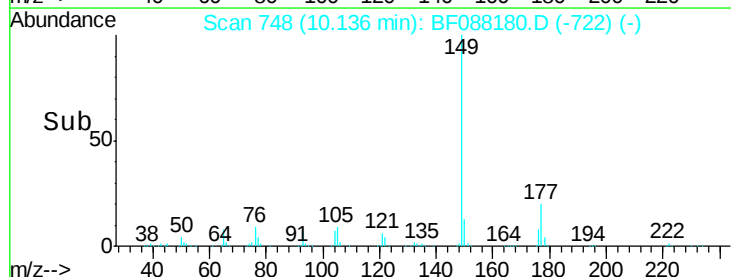
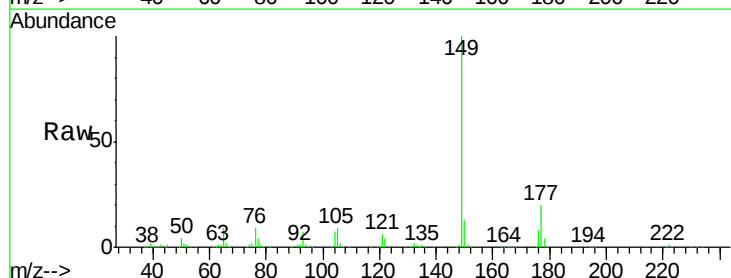
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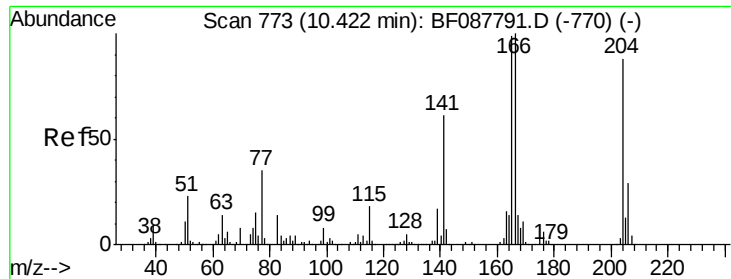
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#59  
 Diethylphthalate  
 Concen: 43.80 ng  
 RT: 10.14 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 177     | 20.5  | 16.9       | 25.3  |
| 150     | 12.7  | 10.1       | 15.1  |





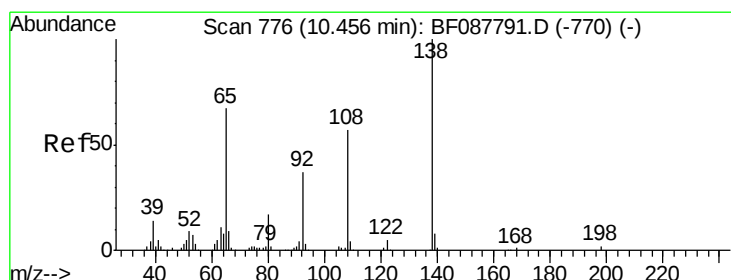
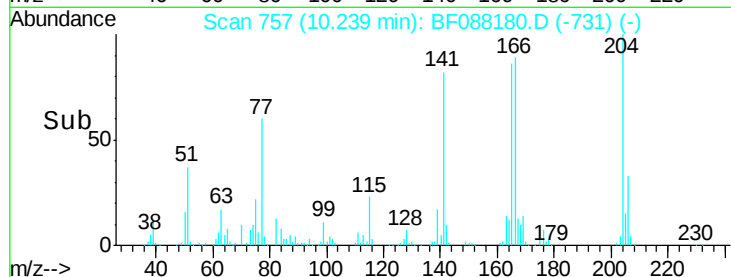
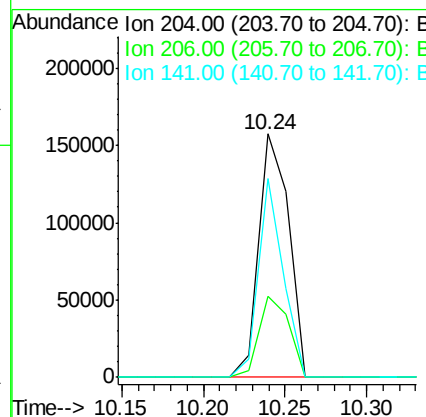
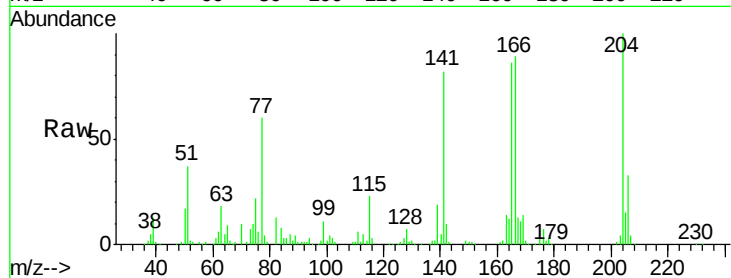
#60  
4-Chlorophenyl-phenylether  
Concen: 40.16 ng  
RT: 10.24 min Scan# 757  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.1  | 26.3  | 39.5  |
| 141     | 81.6  | 55.0  | 82.6  |

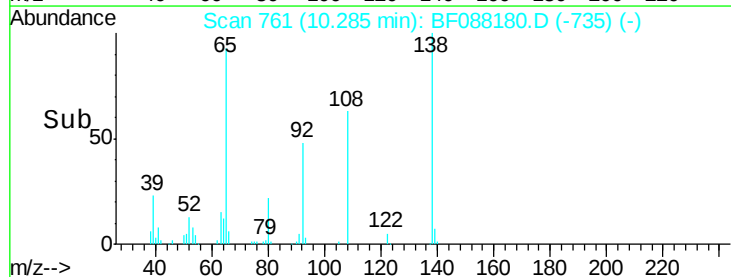
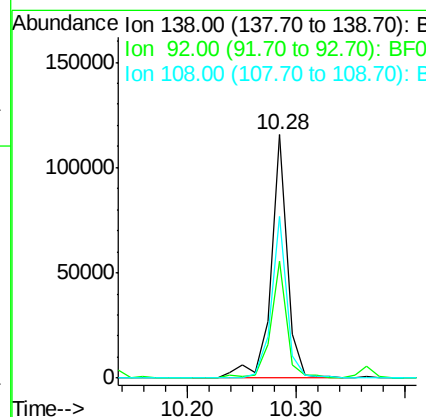
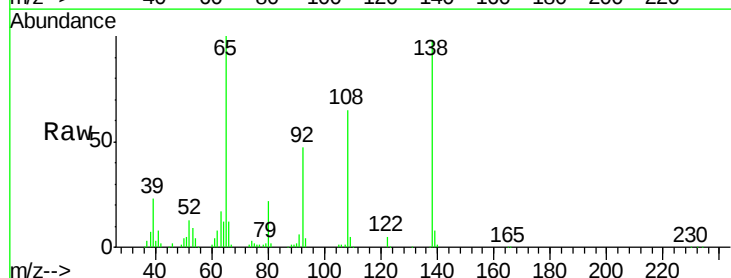
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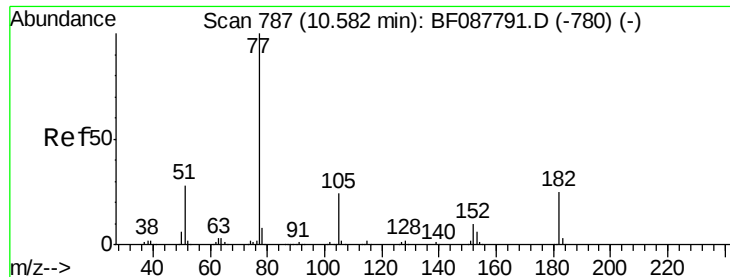
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#61  
4-Nitroaniline  
Concen: 39.55 ng  
RT: 10.28 min Scan# 761  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.2  | 27.3  | 67.3  |
| 108     | 66.6  | 46.7  | 86.7  |





#62

Azobenzene

Concen: 42.33 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF088180.D

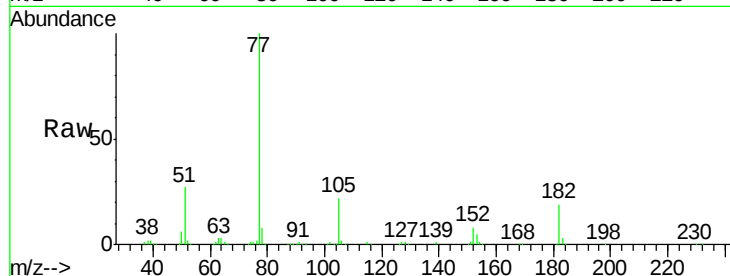
Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

PB91406BS



Tot Ion: 77 Resp: 523603

Ion Ratio Lower Upper

77 100

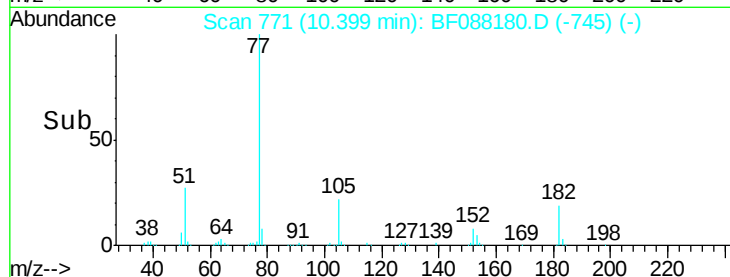
182 19.1 4.4 44.4

105 22.5 3.8 43.8

51 27.2 9.3 49.3

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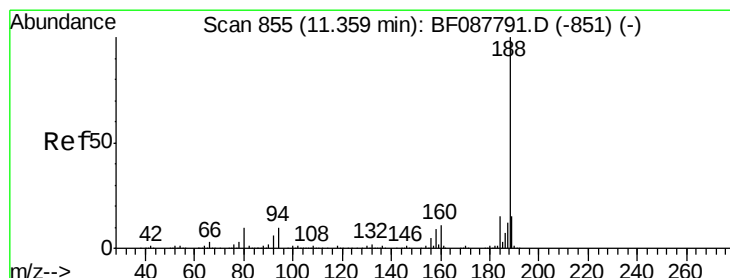
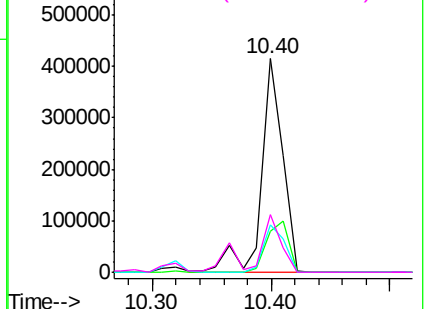


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

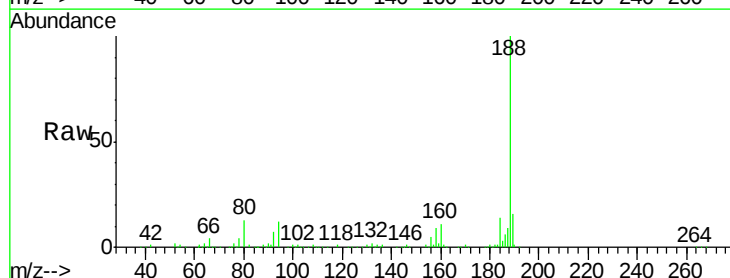
Tgt Ion: 188 Resp: 319029

Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.6

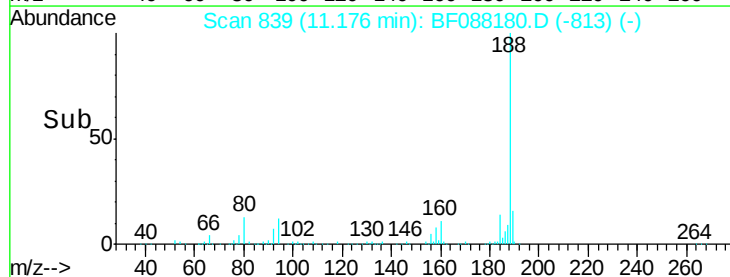
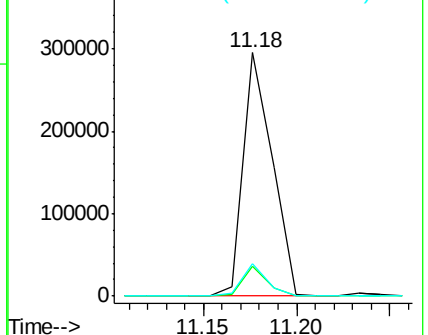
80 13.2 10.0 15.0

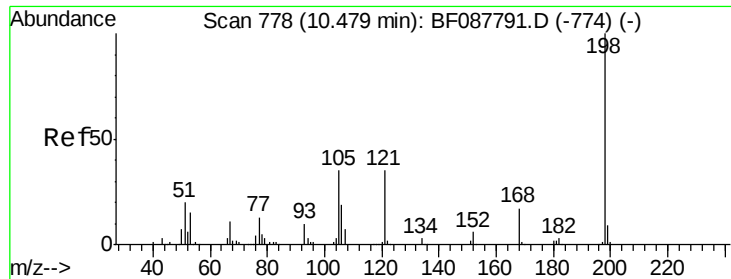


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 32.63 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

ClientSampleId :

PB91406BS

Tot Ion:198 Resp: 63537

Ion Ratio Lower Upper

198 100

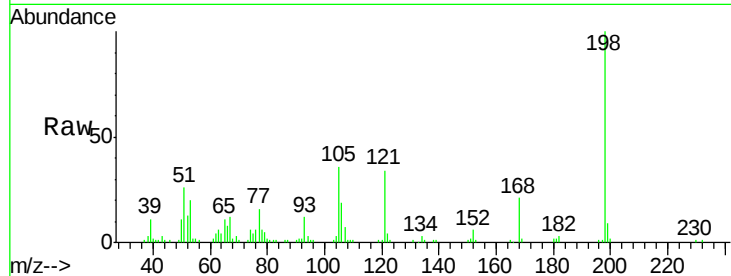
51 26.4 39.6 79.6#

105 36.1 36.6 76.6#

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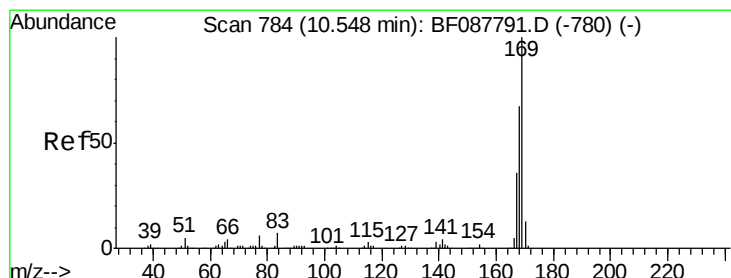
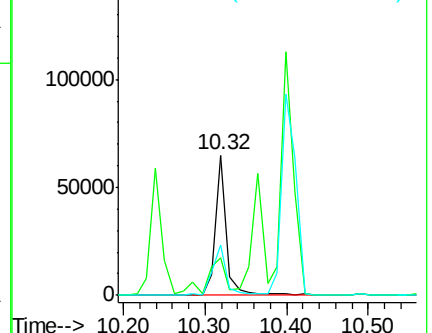
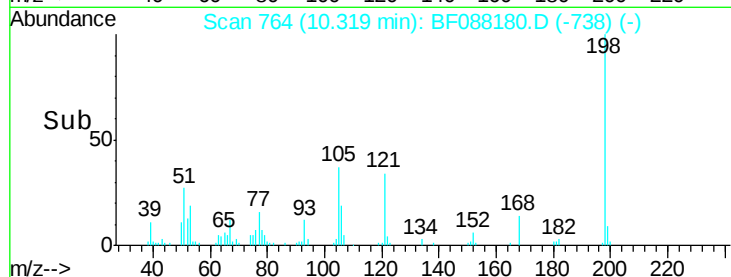
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 40.68 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

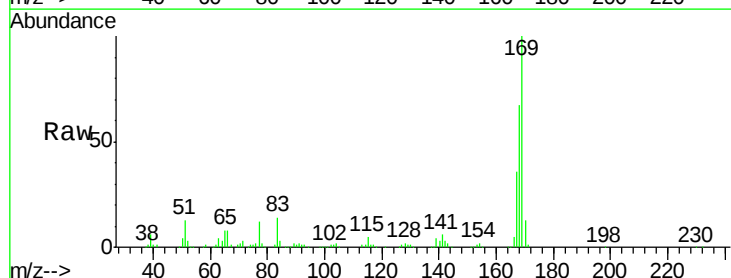
Tgt Ion:169 Resp: 430685

Ion Ratio Lower Upper

169 100

168 67.2 53.4 80.0

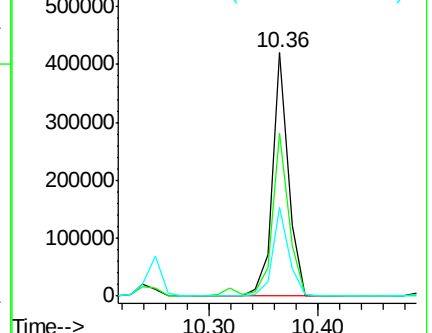
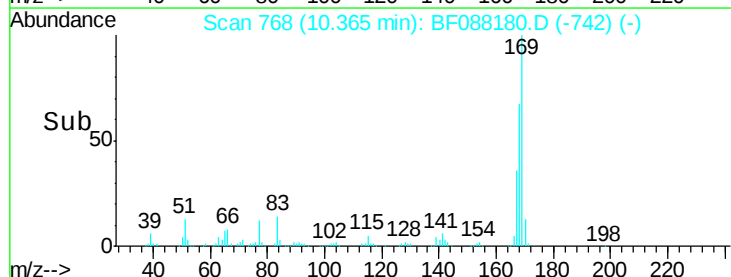
167 36.5 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





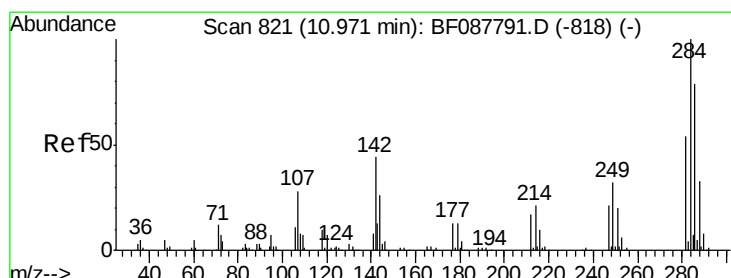
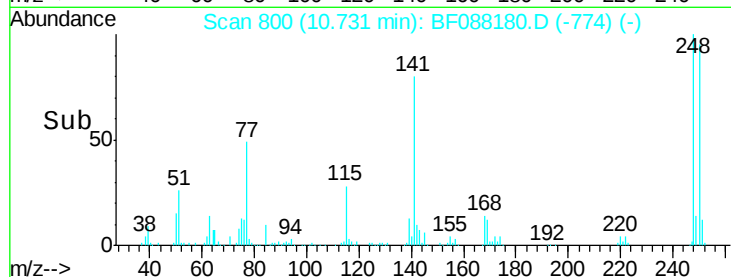
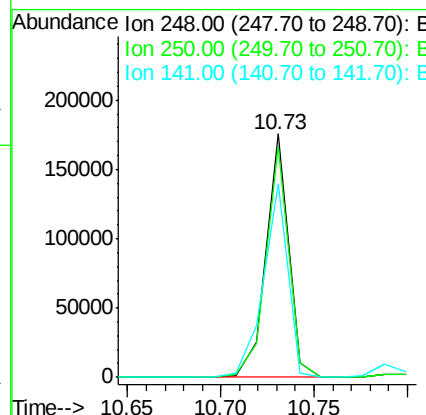
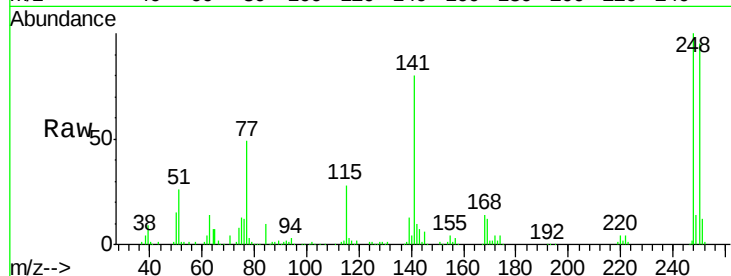
#66  
4-Bromophenyl-phenylether  
Concen: 42.77 ng  
RT: 10.73 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 146377 |       |       |
| 250     | 94.9  | 77.1   | 115.7 |       |
| 141     | 79.7  | 50.6   | 76.0  |       |

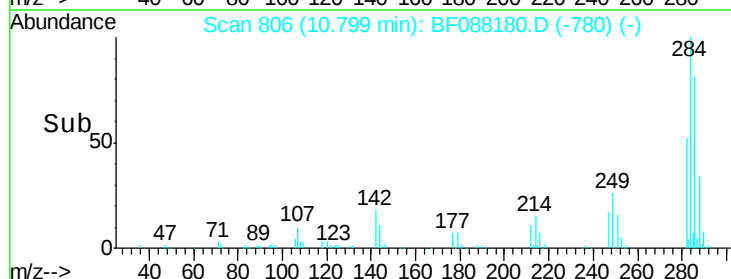
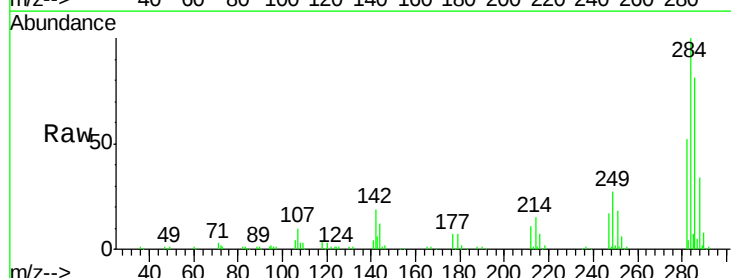
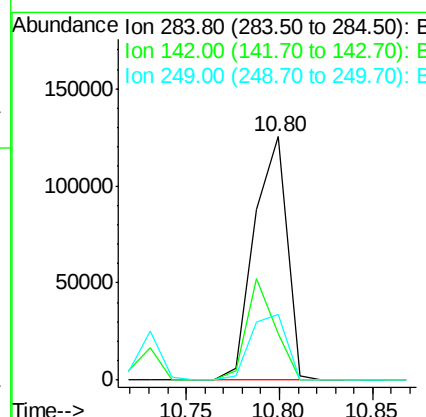
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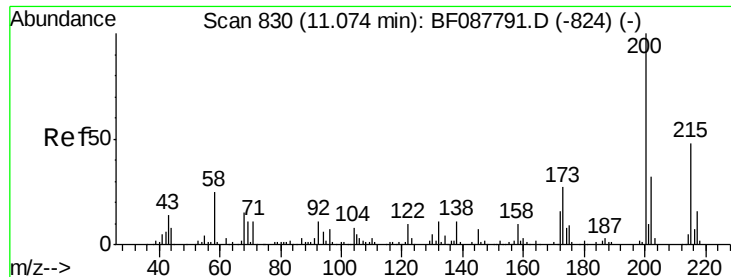
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#67  
Hexachlorobenzene  
Concen: 42.66 ng  
RT: 10.80 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 151692 |       |       |
| 142     | 19.2  | 35.8   | 53.8  |       |
| 249     | 27.2  | 25.8   | 38.6  |       |





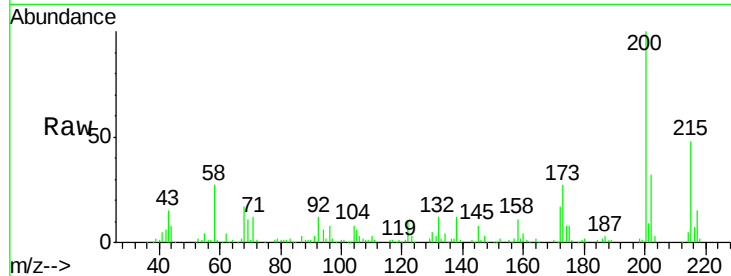
#68  
Atrazine  
Concen: 47.64 ng  
RT: 10.90 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

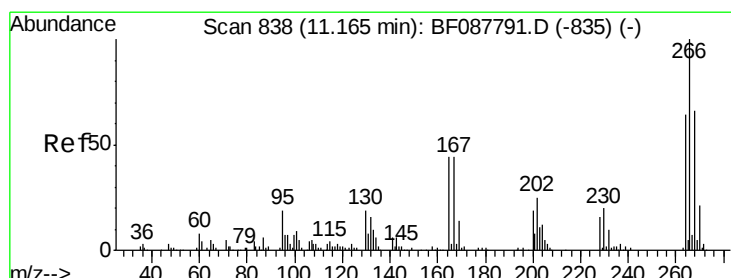
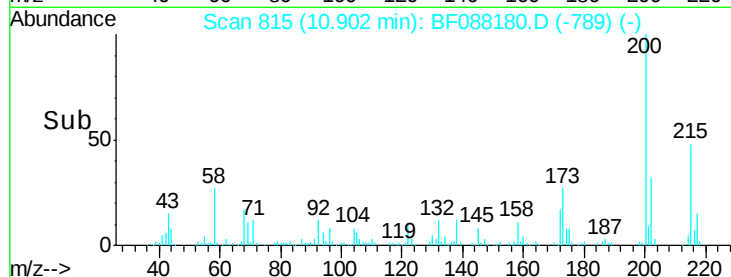
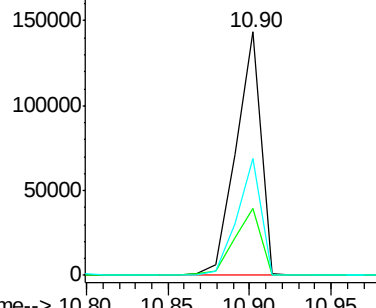
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 27.4  | 4.0        | 44.0  |
| 215     | 47.8  | 29.3       | 69.3  |

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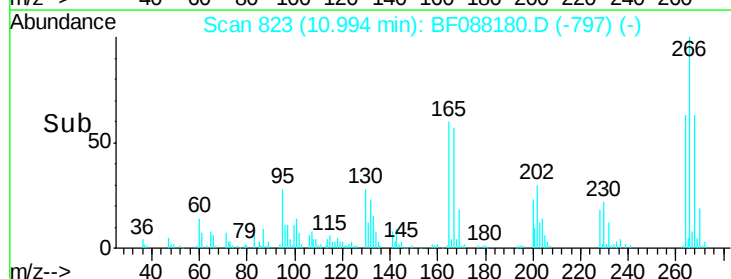
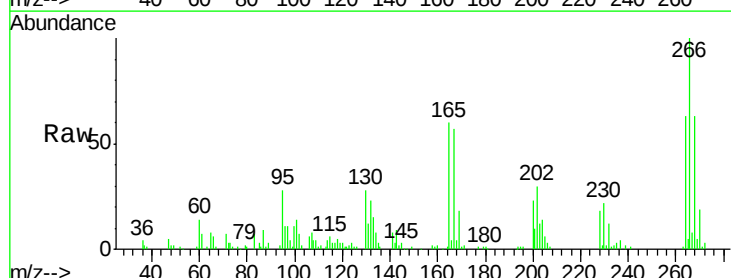
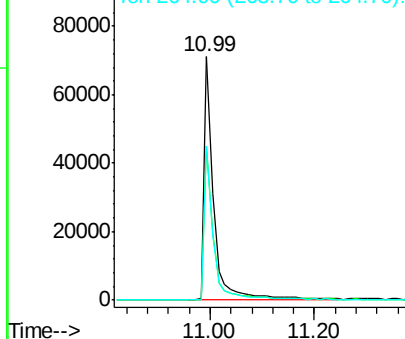
Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

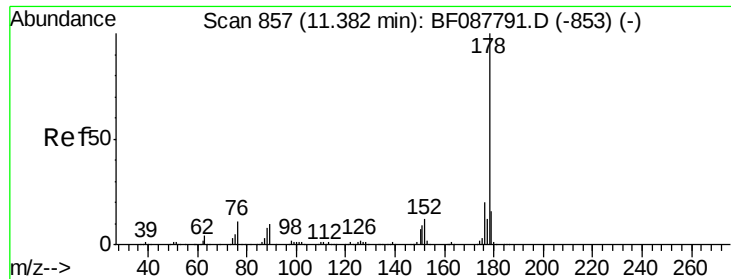


#69  
Pentachlorophenol  
Concen: 49.71 ng  
RT: 10.99 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 63.1  | 52.8       | 79.2  |
| 264     | 63.0  | 49.6       | 74.4  |

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: 43.70 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

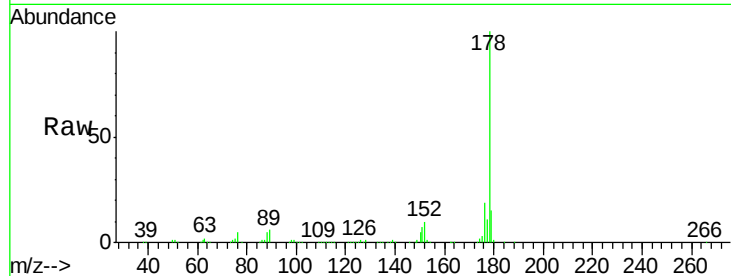
ClientSampled :

PB91406BS

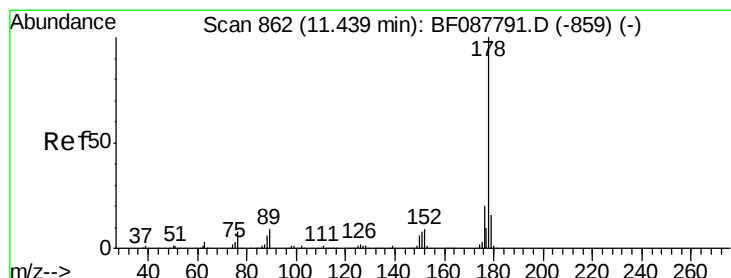
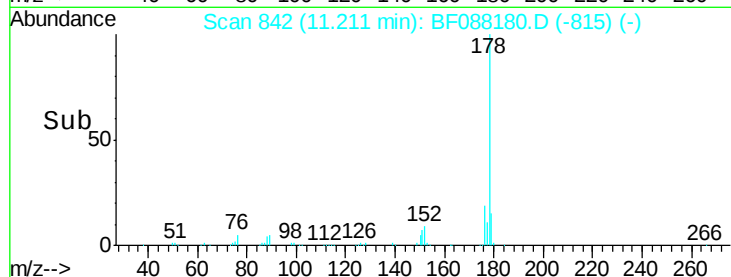
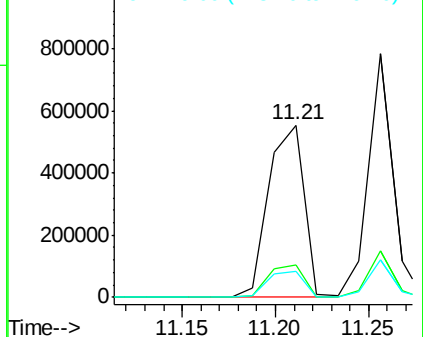
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 731560 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.2  | 15.8  | 23.6   |
| 179       | 15.2  | 13.0  | 19.4   |

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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: 41.58 ng

RT: 11.26 min Scan# 846

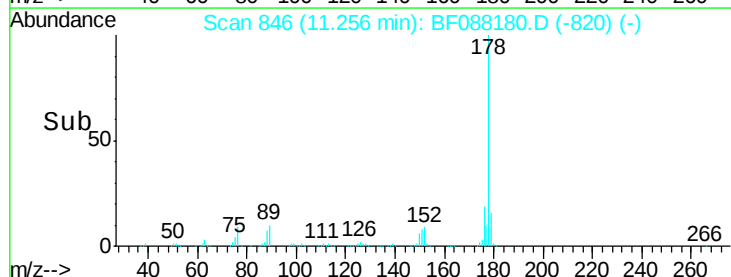
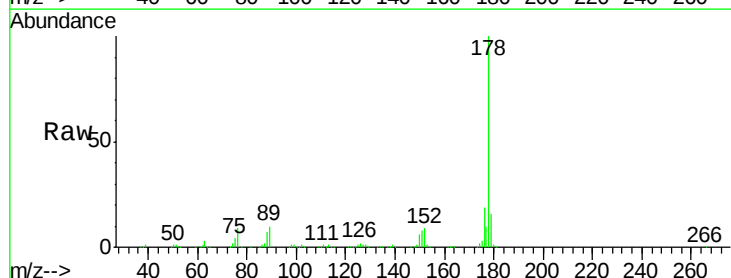
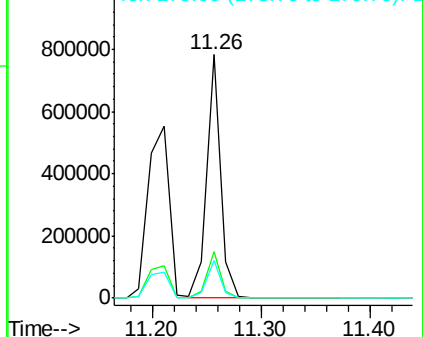
Delta R.T. -0.00 min

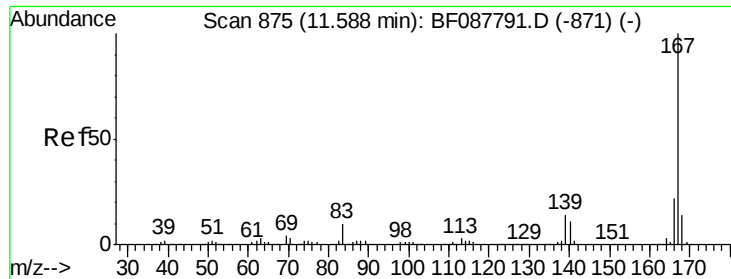
Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 702128 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.0  | 15.6  | 23.4   |
| 179       | 15.7  | 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





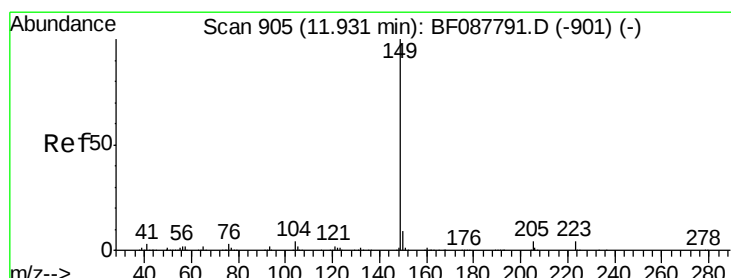
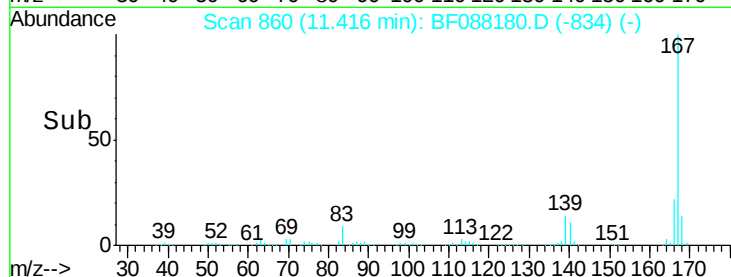
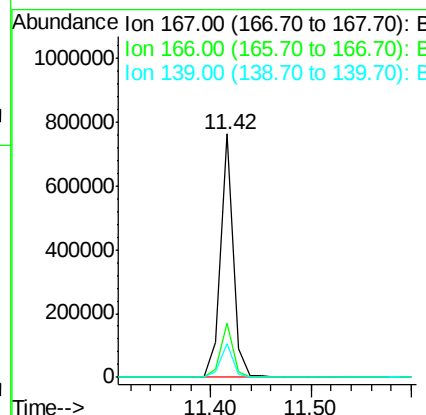
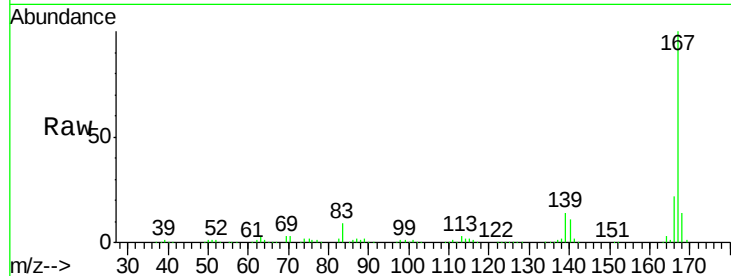
#72  
 Carbazole  
 Concen: 42.68 ng  
 RT: 11.42 min Scan# 860  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 674499 |       |       |
| 166     | 22.2  |        | 17.8  | 26.6  |
| 139     | 14.1  |        | 11.2  | 16.8  |

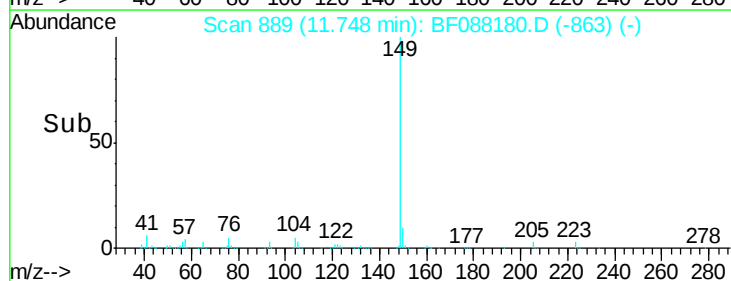
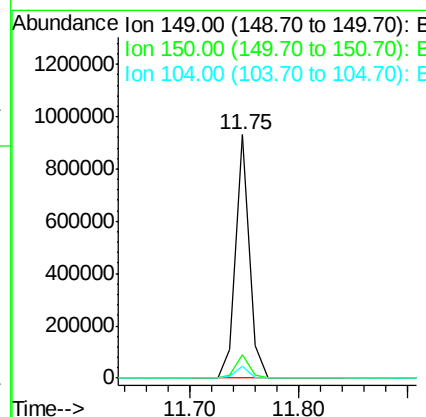
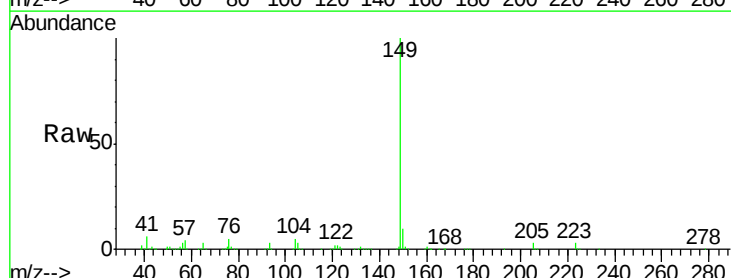
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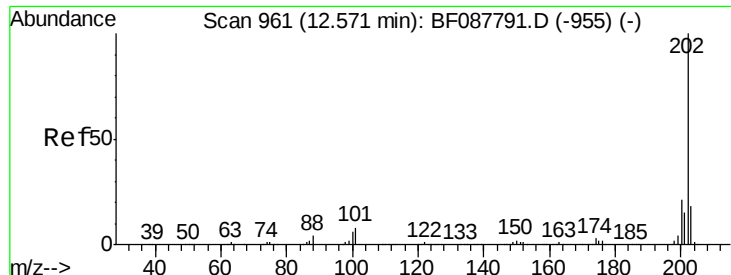
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#73  
 Di-n-butylphthalate  
 Concen: 40.12 ng  
 RT: 11.75 min Scan# 889  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 802458 |       |       |
| 150     | 9.6   |        | 7.8   | 11.6  |
| 104     | 5.0   |        | 4.0   | 6.0   |





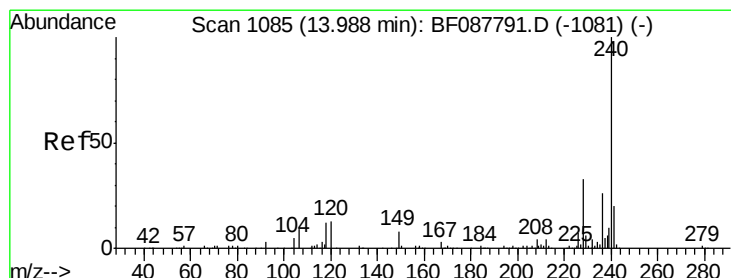
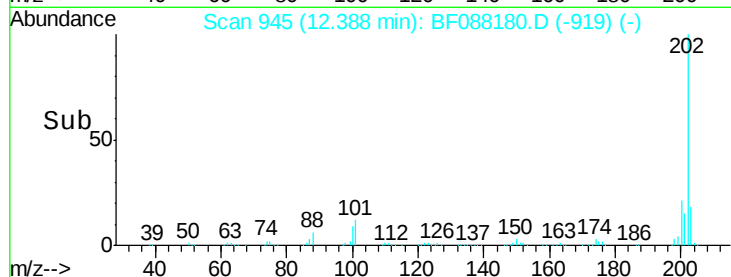
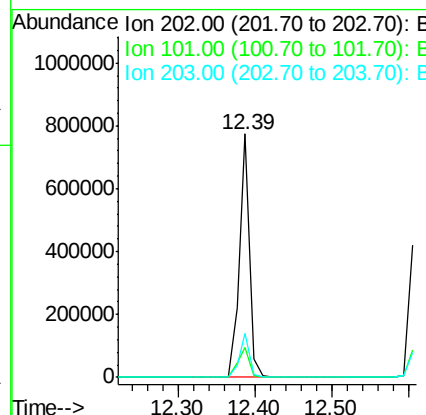
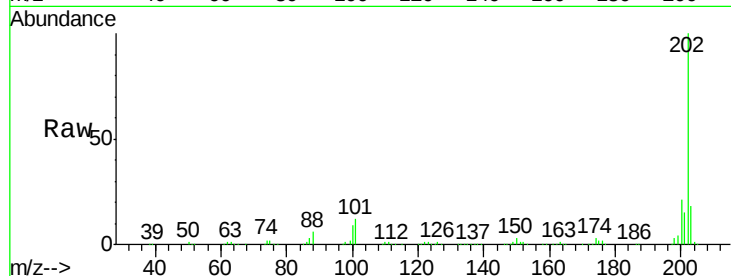
#74  
 Fluoranthene  
 Concen: 41.44 ng  
 RT: 12.39 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91406BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.2  | 0.0        | 33.1  |
| 203     | 17.9  | 0.0        | 38.1  |

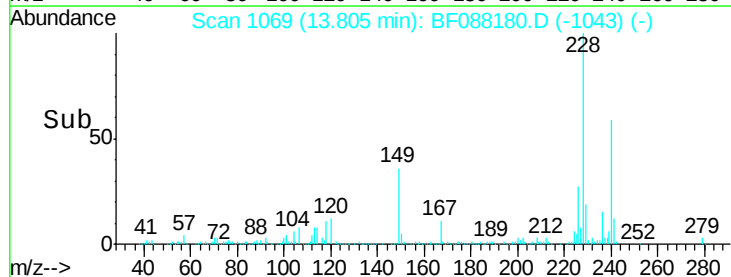
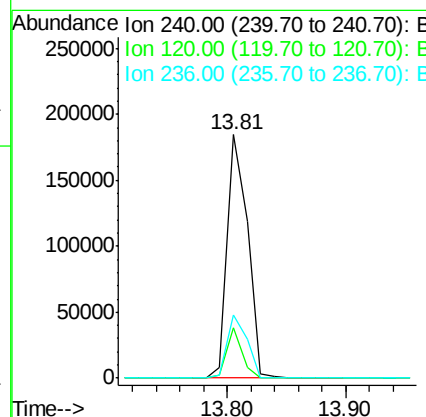
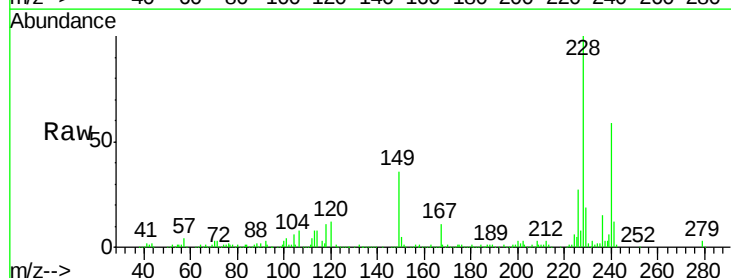
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#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.81 min Scan# 1069  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 20.7  | 6.8        | 10.2# |
| 236     | 26.0  | 20.2       | 30.2  |





#76

Benzidine

Concen: 40.44 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF088180.D

Acq: 20 Jun 2016 19:25

Instrument :

BNA\_F

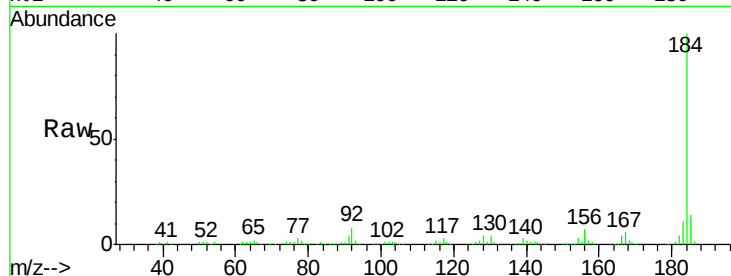
ClientSampleId :

PB91406BS

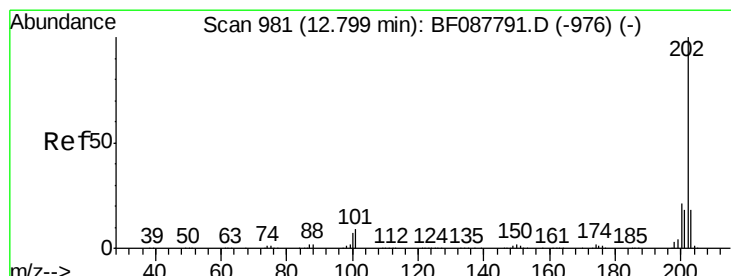
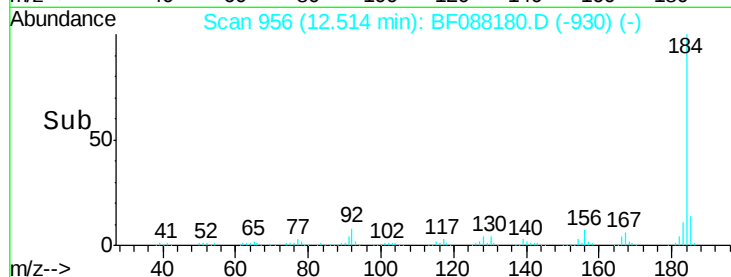
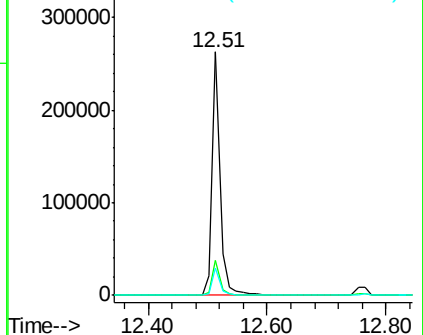
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 243390 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.5  | 12.5  | 18.7   |
| 183       | 11.5  | 9.3   | 13.9   |

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



#77

Pyrene

Concen: 47.75 ng

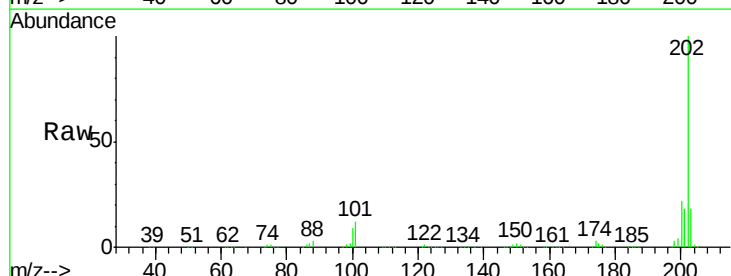
RT: 12.62 min Scan# 965

Delta R.T. -0.00 min

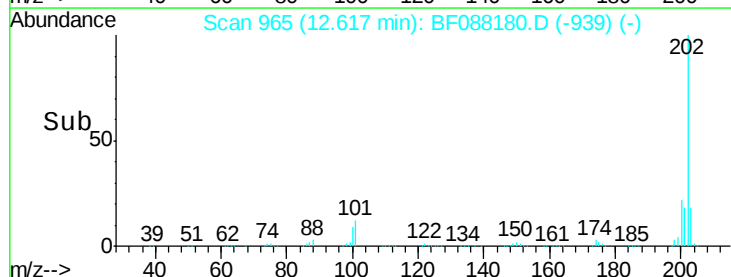
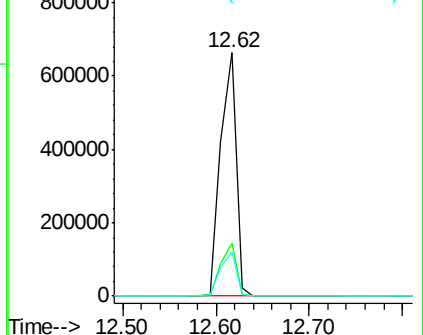
Lab File: BF088180.D

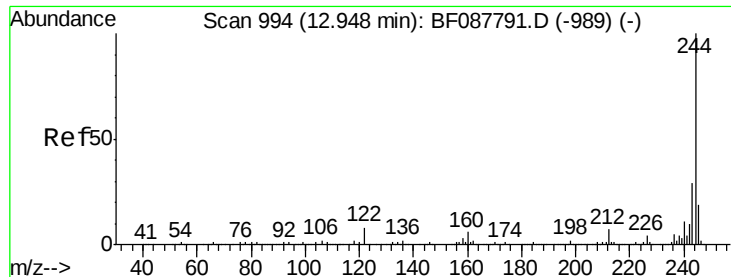
Acq: 20 Jun 2016 19:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 770052 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.8  | 17.4  | 26.2   |
| 203       | 17.8  | 14.5  | 21.7   |



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





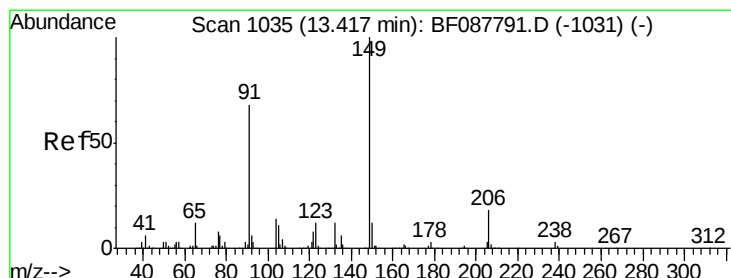
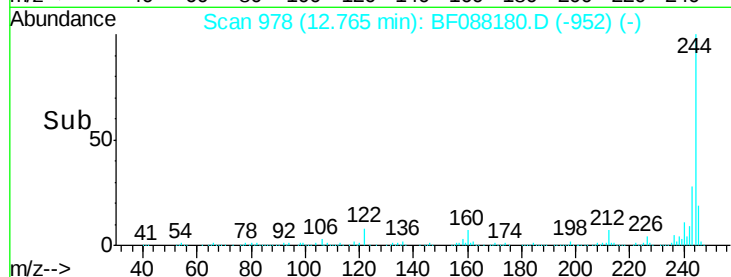
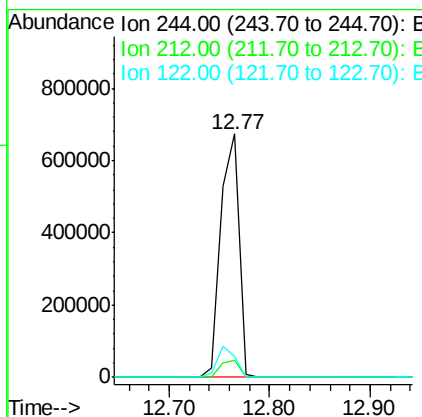
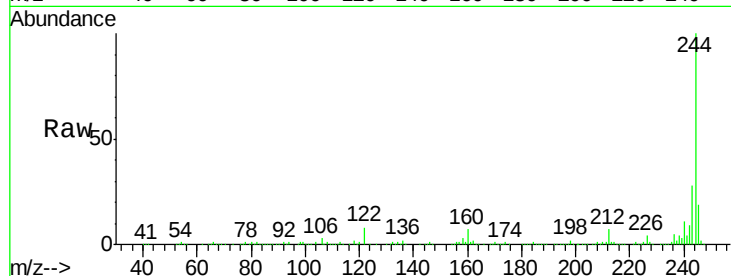
#78  
 Terphenyl-d14  
 Concen: 89.31 ng  
 RT: 12.77 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.0   | 9.0   |
| 122     | 8.4   | 11.2  | 16.8  |

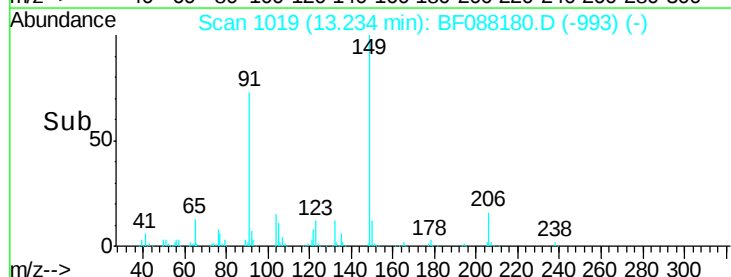
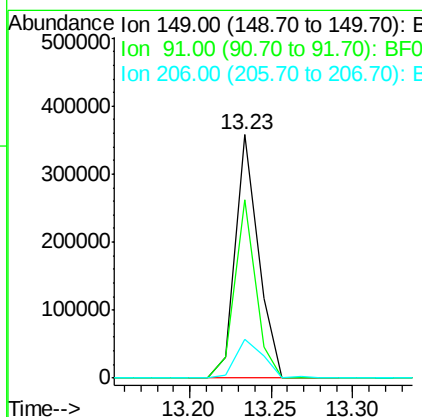
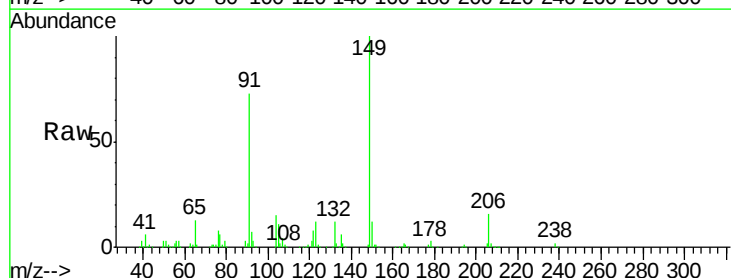
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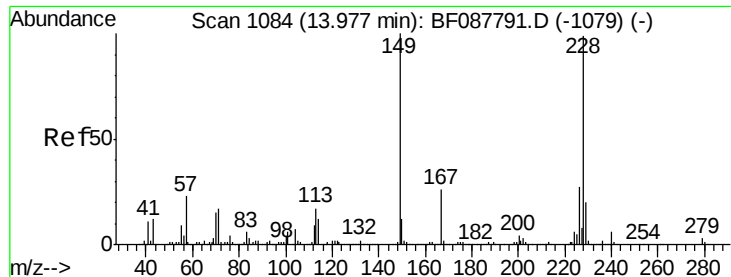
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#79  
 Butylbenzylphthalate  
 Concen: 48.84 ng  
 RT: 13.23 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BF088180.D  
 Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 73.3  | 48.0  | 72.0  |
| 206     | 16.1  | 16.0  | 24.0  |





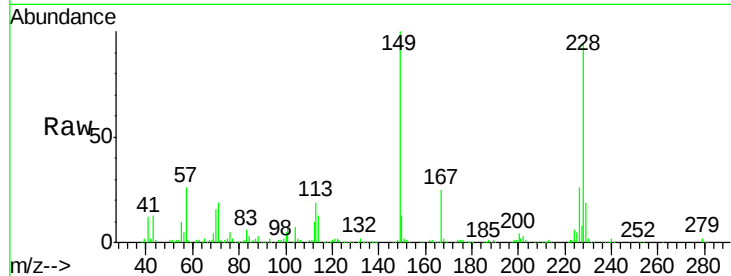
#80  
Benzo(a)anthracene  
Concen: 43.59 ng  
RT: 13.79 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

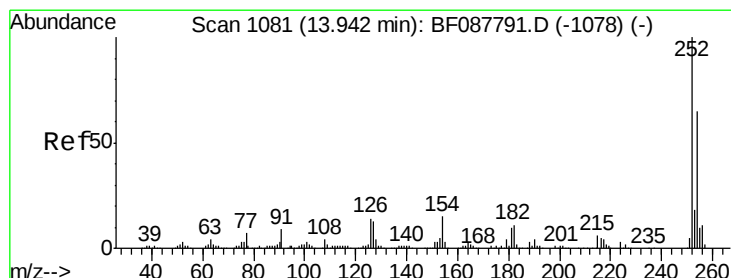
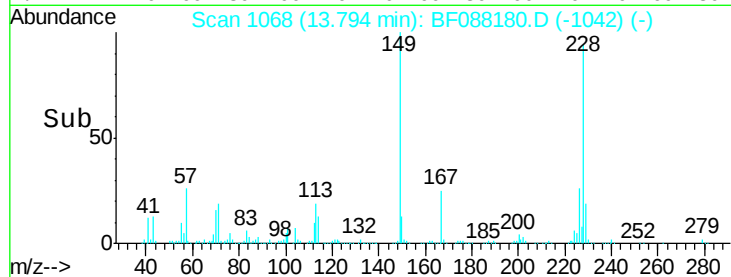
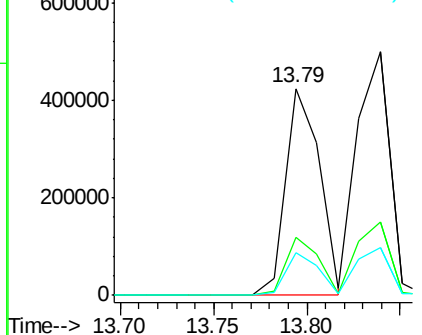
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 22.3  | 33.5  |
| 229     | 20.4  | 16.0  | 24.0  |

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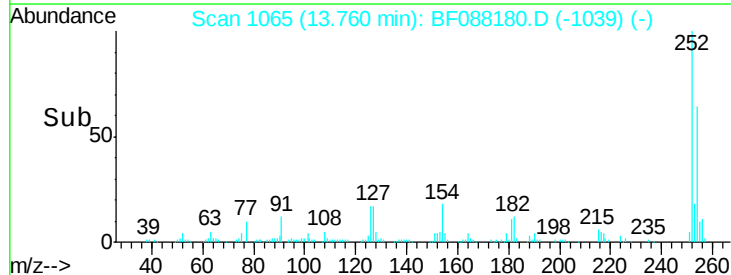
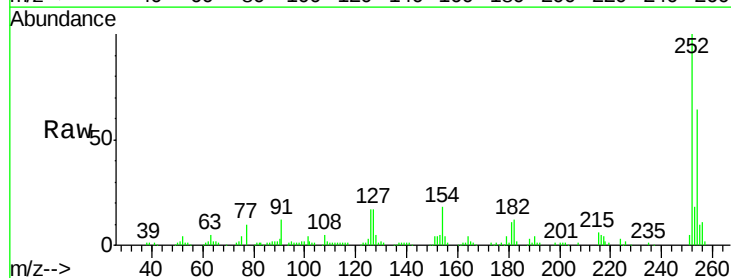
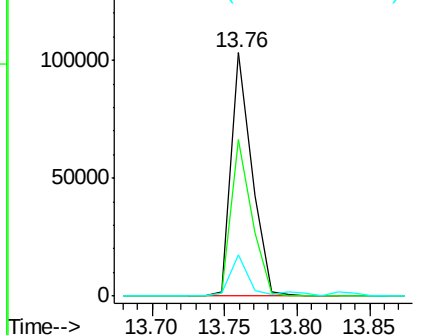
Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

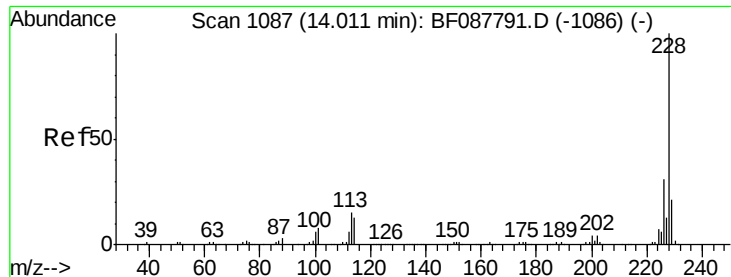


#81  
3,3'-Dichlorobenzidine  
Concen: 30.96 ng  
RT: 13.76 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 52.6  | 78.8  |
| 126     | 17.0  | 6.2   | 9.2#  |

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





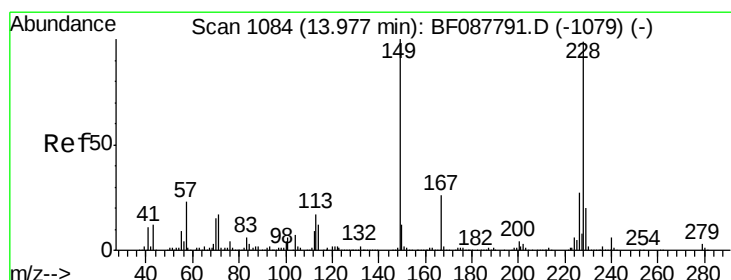
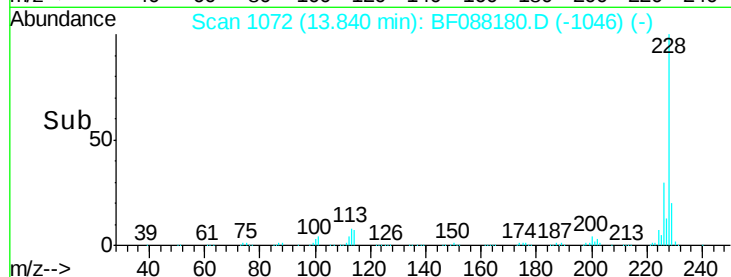
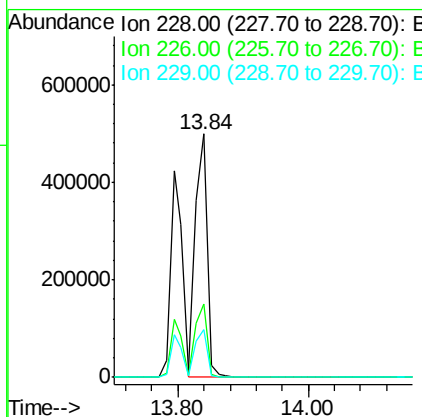
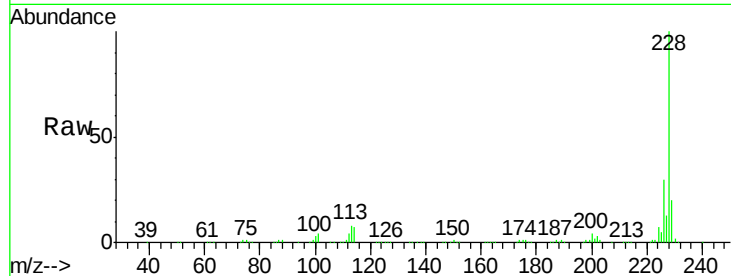
#82  
Chrysene  
Concen: 53.22 ng  
RT: 13.84 min Scan# 1072  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 620135 |       |       |
| 226     | 30.1  | 25.4   | 38.2  |       |
| 229     | 19.6  | 16.3   | 24.5  |       |

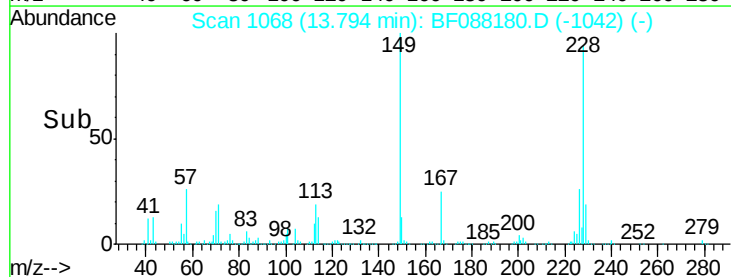
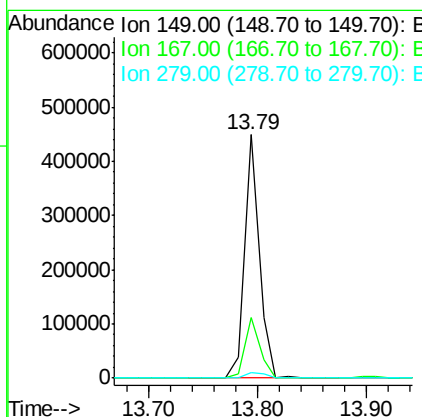
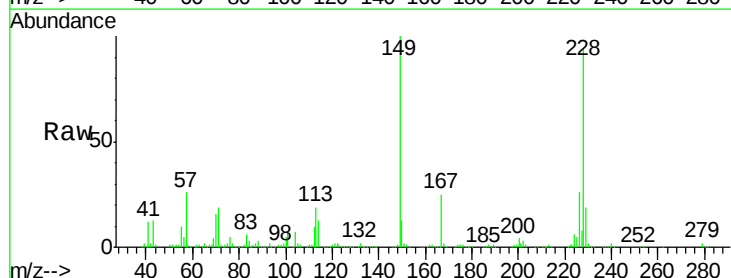
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#83  
Bis(2-ethylhexyl)phthalate  
Concen: 47.87 ng  
RT: 13.79 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 415491 |       |       |
| 167     | 24.8  | 20.5   | 30.7  |       |
| 279     | 2.5   | 2.0    | 3.0   |       |





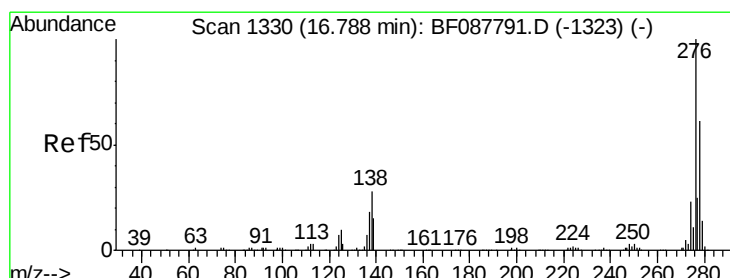
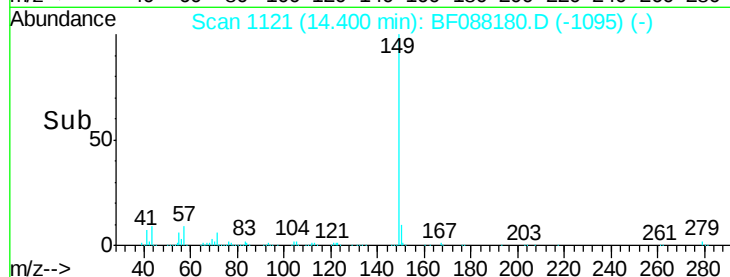
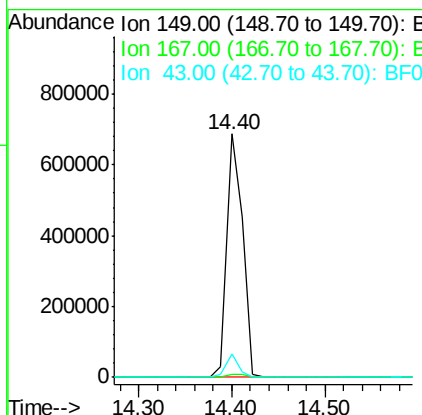
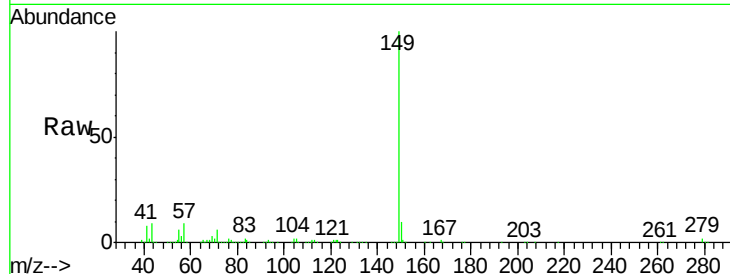
#84  
Di-n-octyl phthalate  
Concen: 57.66 ng  
RT: 14.40 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 1.5   | 0.0        | 0.0#       |
| 43      | 7.6   | 0.0        | 0.0#       |

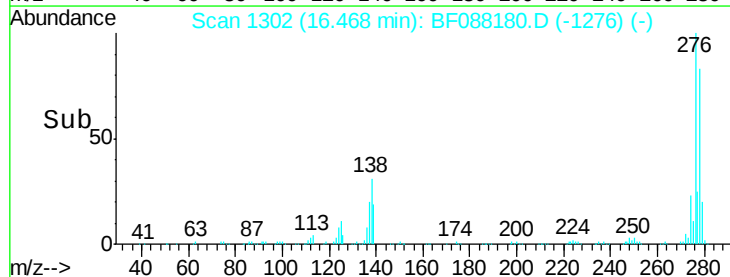
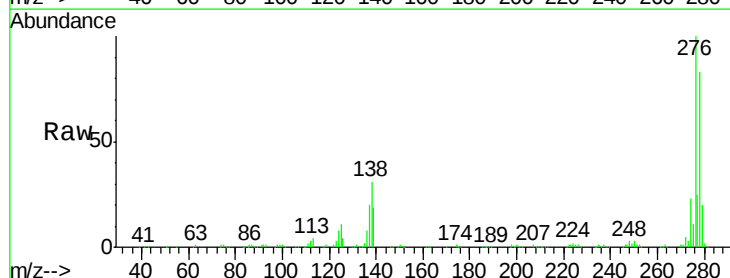
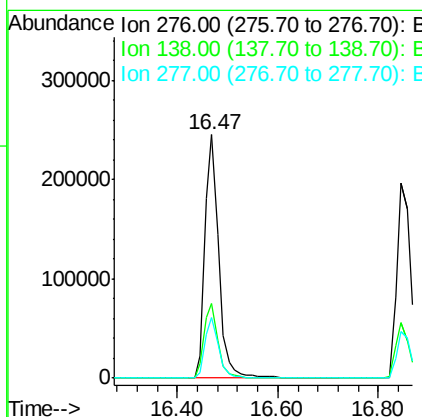
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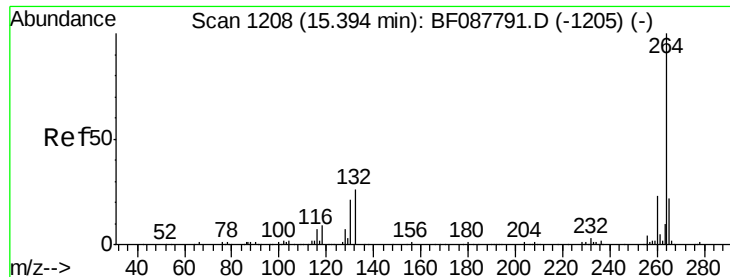
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#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.24 ng  
RT: 16.47 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 31.3  | 0.0        | 0.0#       |
| 277     | 24.7  | 0.0        | 0.0#       |





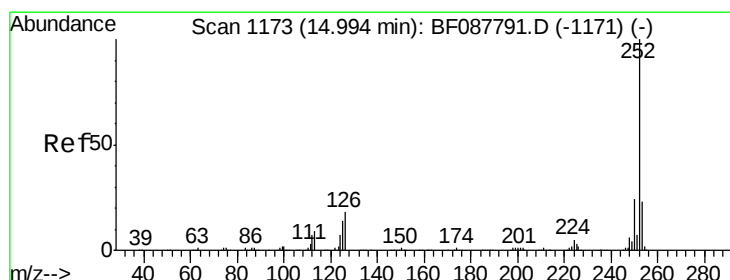
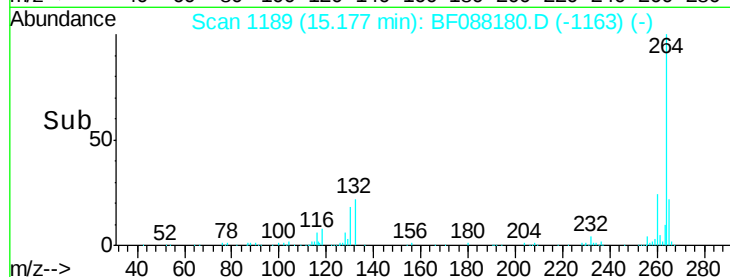
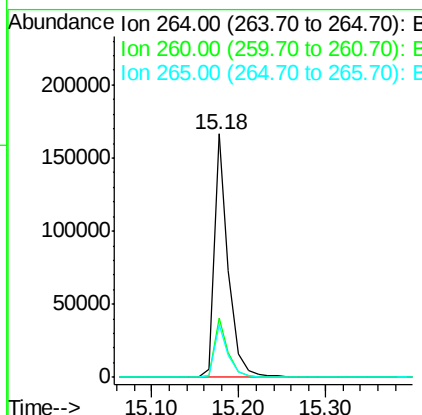
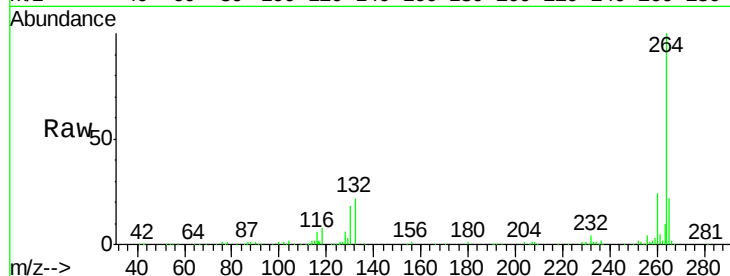
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.18 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 21.8  | 16.9  | 25.3  |

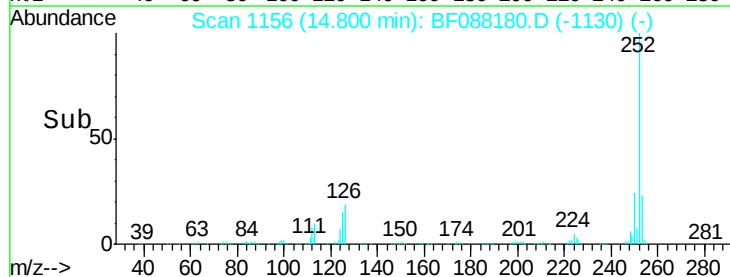
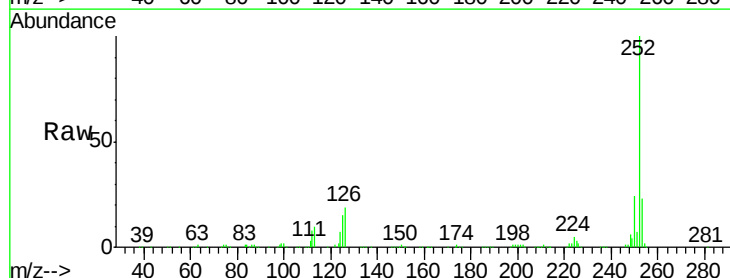
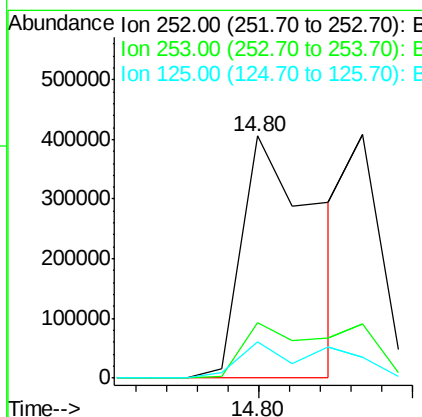
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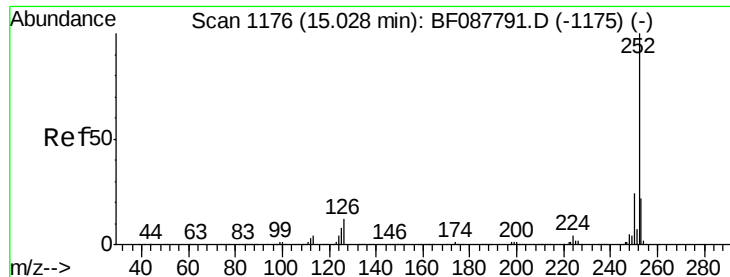
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#87  
Benzo(b)fluoranthene  
Concen: 52.94 ng m  
RT: 14.80 min Scan# 1156  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.4  | 26.2  |
| 125     | 15.1  | 7.1   | 10.7# |





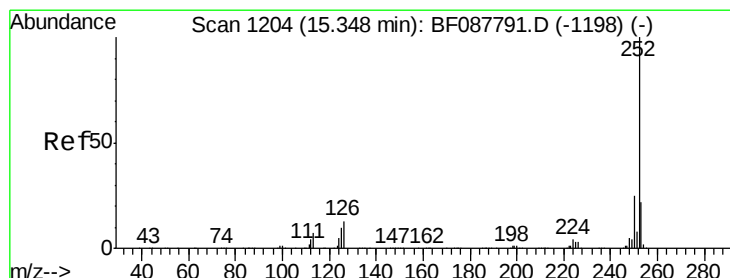
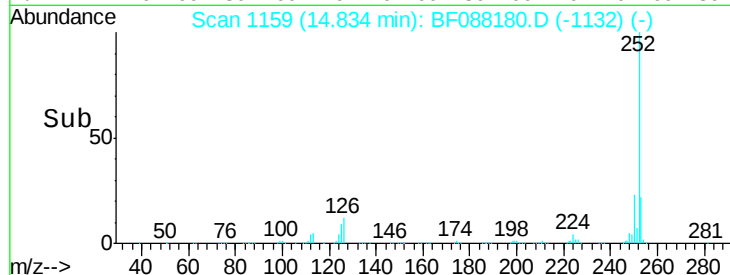
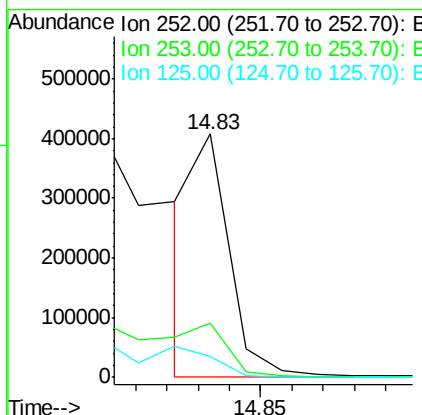
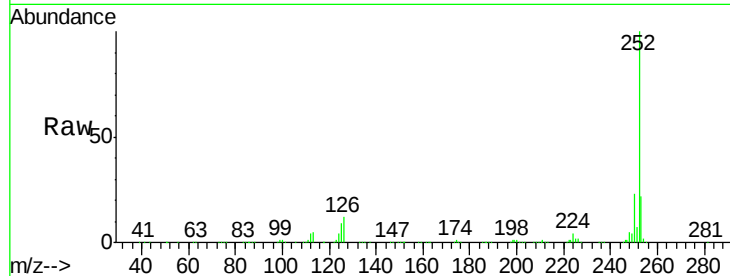
#88  
Benzo(k)fluoranthene  
Concen: 33.32 ng m  
RT: 14.83 min Scan# 1159  
Delta R.T. 0.01 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.0  | 27.0  |
| 125     | 8.6   | 11.2  | 16.8# |

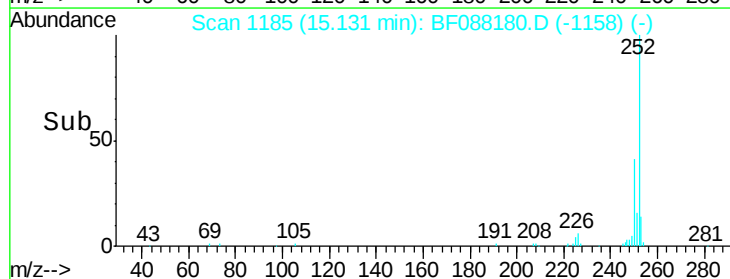
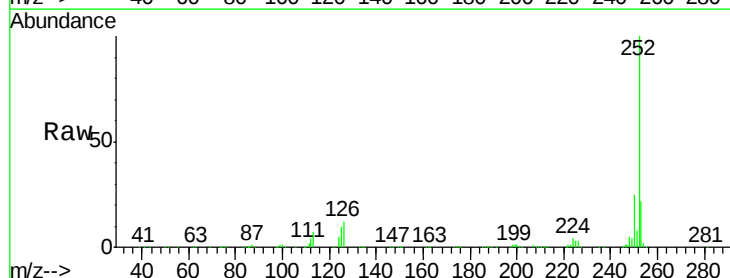
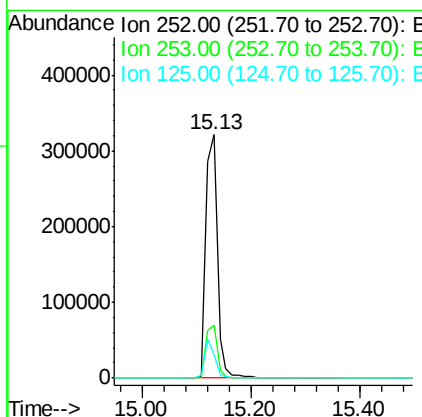
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#89  
Benzo(a)pyrene  
Concen: 45.31 ng  
RT: 15.13 min Scan# 1185  
Delta R.T. 0.01 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.9  | 26.9  |
| 125     | 9.7   | 12.5  | 18.7# |





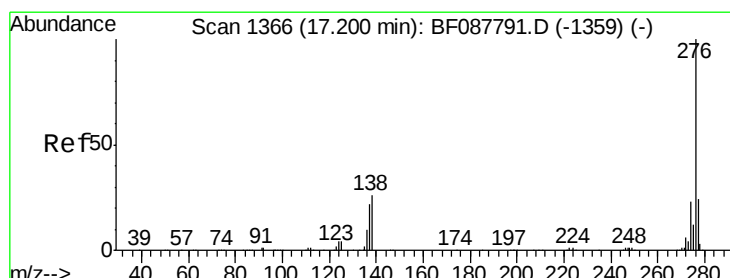
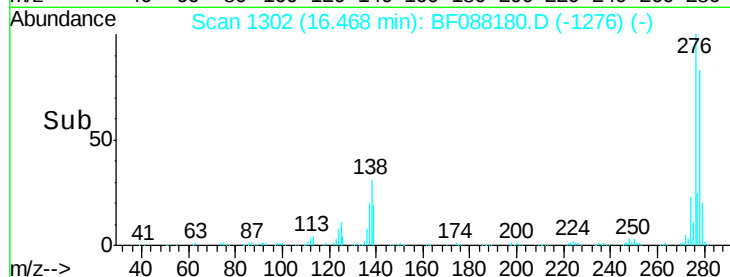
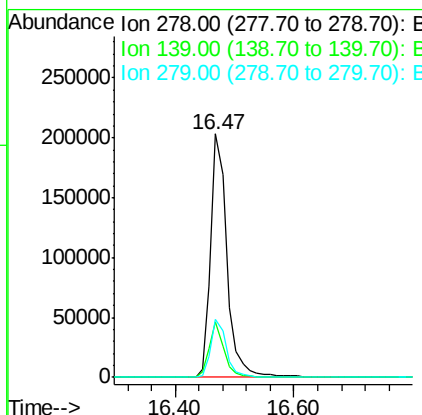
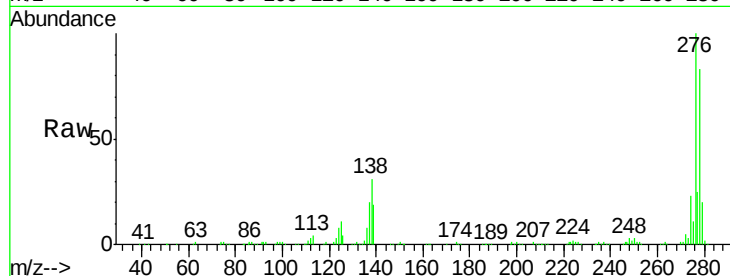
#90  
Dibenzo(a,h)anthracene  
Concen: 40.02 ng  
RT: 16.47 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB91406BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.9  | 15.7  | 23.5  |
| 279     | 23.7  | 19.4  | 29.2  |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 41.42 ng  
RT: 16.85 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BF088180.D  
Acq: 20 Jun 2016 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 18.9  | 28.3  |
| 138     | 28.3  | 21.4  | 32.2  |

