

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
 Data File : BF079385.D  
 Acq On : 20 May 2015 18:31  
 Operator : TP/IZ  
 Sample : G2305-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

Manual Integrations  
 APPROVED

apatel  
 5/21/2015 4:27:52 PM

Quant Time: May 21 01:47:31 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 21 00:52:28 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.08  | 152  | 73215    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.66  | 136  | 299791   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.83 | 164  | 145671   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.67 | 188  | 280550   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 15.95 | 240  | 283213   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 17.68 | 264  | 289249   | 20.00 | ng    | -0.14    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.37  | 112 | 525972m | 123.66 | ng | 0.00  |
| 7) Phenol-d6                | 6.66  | 99  | 656365  | 116.75 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.78  | 82  | 377308  | 72.33  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 11.82 | 330 | 195791  | 124.24 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 10.01 | 172 | 701784  | 67.12  | ng | 0.00  |
| 78) Terphenyl-d14           | 14.66 | 244 | 830549  | 70.21  | ng | -0.01 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.96 | 88  | 68119m  | 36.83 | ng |        |
| 3) Pyridine                    | 2.64 | 79  | 176763m | 32.66 | ng |        |
| 4) n-Nitrosodimethylamine      | 2.56 | 42  | 81450m  | 35.13 | ng |        |
| 6) Aniline                     | 6.67 | 93  | 146685m | 18.48 | ng |        |
| 8) 2-Chlorophenol              | 6.82 | 128 | 195794  | 40.59 | ng | 85     |
| 9) Benzaldehyde                | 6.54 | 77  | 33776   | 8.92  | ng | 93     |
| 10) Phenol                     | 6.68 | 94  | 241777  | 37.07 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.79 | 93  | 191051m | 39.96 | ng |        |
| 12) 1,3-Dichlorobenzene        | 7.00 | 146 | 197646  | 36.45 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 7.11 | 146 | 207430  | 37.17 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.29 | 146 | 197581  | 38.03 | ng | 100    |
| 15) Benzyl Alcohol             | 7.28 | 79  | 156583  | 37.52 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.46 | 45  | 267970  | 36.63 | ng | 94     |
| 17) 2-Methylphenol             | 7.43 | 107 | 155271  | 40.00 | ng | 96     |
| 18) Hexachloroethane           | 7.70 | 117 | 67841   | 35.30 | ng | # 83   |
| 19) n-Nitroso-di-n-propylamine | 7.61 | 70  | 139931  | 36.85 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.62 | 107 | 203062  | 39.26 | ng | # 46   |
| 22) Acetophenone               | 7.60 | 105 | 267428  | 39.48 | ng | # 90   |
| 24) Nitrobenzene               | 7.80 | 77  | 197568  | 38.21 | ng | 92     |
| 25) Isophorone                 | 8.11 | 82  | 367949  | 38.05 | ng | 98     |
| 26) 2-Nitrophenol              | 8.20 | 139 | 94020   | 43.93 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 8.27 | 122 | 175380  | 40.95 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.39 | 93  | 225158  | 37.77 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.50 | 162 | 163753  | 43.00 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 8.60 | 180 | 158366  | 37.86 | ng | 95     |
| 31) Naphthalene                | 8.70 | 128 | 544907  | 38.15 | ng | 98     |
| 32) Benzoic acid               | 8.38 | 122 | 38362   | 18.73 | ng | 99     |
| 33) 4-Chloroaniline            | 8.78 | 127 | 117884  | 19.50 | ng | # 88   |
| 34) Hexachlorobutadiene        | 8.84 | 225 | 88659   | 36.80 | ng | 98     |
| 35) Caprolactam                | 9.20 | 113 | 48744m  | 39.59 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 9.38 | 107 | 164472  | 41.12 | ng | 85     |
| 37) 2-Methylnaphthalene        | 9.55 | 142 | 388034  | 39.20 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.76 | 216 | 156557  | 38.16 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.74 | 237 | 112895  | 54.72 | ng | 95     |

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 QLast Update : Thu May 21 00:52:28 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.91  | 196  | 106894   | 37.90 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.95  | 196  | 113963   | 39.97 | nq #  | 93       |
| 45) 1,1'-Biphenyl              | 10.14 | 154  | 460460   | 39.76 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.15 | 162  | 338408   | 37.46 | nq    | 97       |
| 47) 2-Nitroaniline             | 10.28 | 65   | 102077   | 39.00 | nq #  | 79       |
| 48) Acenaphthylene             | 10.66 | 152  | 581381   | 39.20 | nq    | 98       |
| 49) Dimethylphthalate          | 10.52 | 163  | 470126   | 43.97 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.59 | 165  | 83418    | 39.54 | nq #  | 45       |
| 51) Acenaphthene               | 10.88 | 154  | 325755   | 36.83 | nq    | 100      |
| 52) 3-Nitroaniline             | 10.80 | 138  | 77000    | 29.22 | nq    | 82       |
| 53) 2,4-Dinitrophenol          | 10.94 | 184  | 40558    | 56.79 | nq #  | 79       |
| 54) Dibenzofuran               | 11.08 | 168  | 486662   | 38.09 | nq    | 96       |
| 55) 4-Nitrophenol              | 11.03 | 139  | 148611   | 71.24 | nq #  | 70       |
| 56) 2,4-Dinitrotoluene         | 11.10 | 165  | 119011   | 42.67 | nq    | 96       |
| 57) Fluorene                   | 11.52 | 166  | 398122   | 37.97 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.24 | 232  | 87314    | 37.47 | nq    | 97       |
| 59) Diethylphthalate           | 11.40 | 149  | 407752   | 38.50 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 11.53 | 204  | 175616   | 37.75 | nq #  | 86       |
| 61) 4-Nitroaniline             | 11.55 | 138  | 103547   | 39.27 | nq    | 88       |
| 62) Azobenzene                 | 11.73 | 77   | 390342   | 37.40 | nq    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 11.60 | 198  | 42957    | 39.58 | nq    | 79       |
| 65) n-Nitrosodiphenylamine     | 11.68 | 169  | 347098   | 37.15 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 12.13 | 248  | 108300   | 37.03 | nq    | 95       |
| 67) Hexachlorobenzene          | 12.18 | 284  | 123721   | 37.02 | nq    | 96       |
| 68) Atrazine                   | 12.35 | 200  | 111852   | 41.17 | nq    | 96       |
| 69) Pentachlorophenol          | 12.45 | 266  | 114994   | 60.62 | nq    | 98       |
| 70) Phenanthrene               | 12.70 | 178  | 565439   | 36.03 | nq    | 99       |
| 71) Anthracene                 | 12.77 | 178  | 591037   | 38.39 | nq    | 100      |
| 72) Carbazole                  | 12.97 | 167  | 556622   | 37.93 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.43 | 149  | 663253   | 37.68 | nq    | 98       |
| 74) Fluoranthene               | 14.17 | 202  | 617728   | 37.77 | nq    | 99       |
| 76) Benzidine                  | 14.35 | 184  | 215258   | 28.20 | nq    | 97       |
| 77) Pyrene                     | 14.46 | 202  | 654227   | 40.09 | nq    | 98       |
| 79) Butylbenzylphthalate       | 15.29 | 149  | 293406   | 41.13 | nq    | 90       |
| 80) Benzo(a)anthracene         | 15.94 | 228  | 603319   | 38.90 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 15.92 | 252  | 164235   | 29.73 | nq #  | 97       |
| 82) Chrysene                   | 15.99 | 228  | 576338   | 38.64 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.01 | 149  | 437464   | 40.49 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 16.80 | 149  | 737081   | 38.73 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.03 | 276  | 724049m  | 38.10 | nq    |          |
| 87) Benzo(b)fluoranthene       | 17.23 | 252  | 683154   | 43.15 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 17.27 | 252  | 526155m  | 34.33 | nq    |          |
| 89) Benzo(a)pyrene             | 17.61 | 252  | 581077   | 39.86 | nq #  | 97       |
| 90) Dibenzo(a,h)anthracene     | 19.05 | 278  | 604222   | 39.00 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.43 | 276  | 599853   | 38.63 | nq #  | 95       |

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

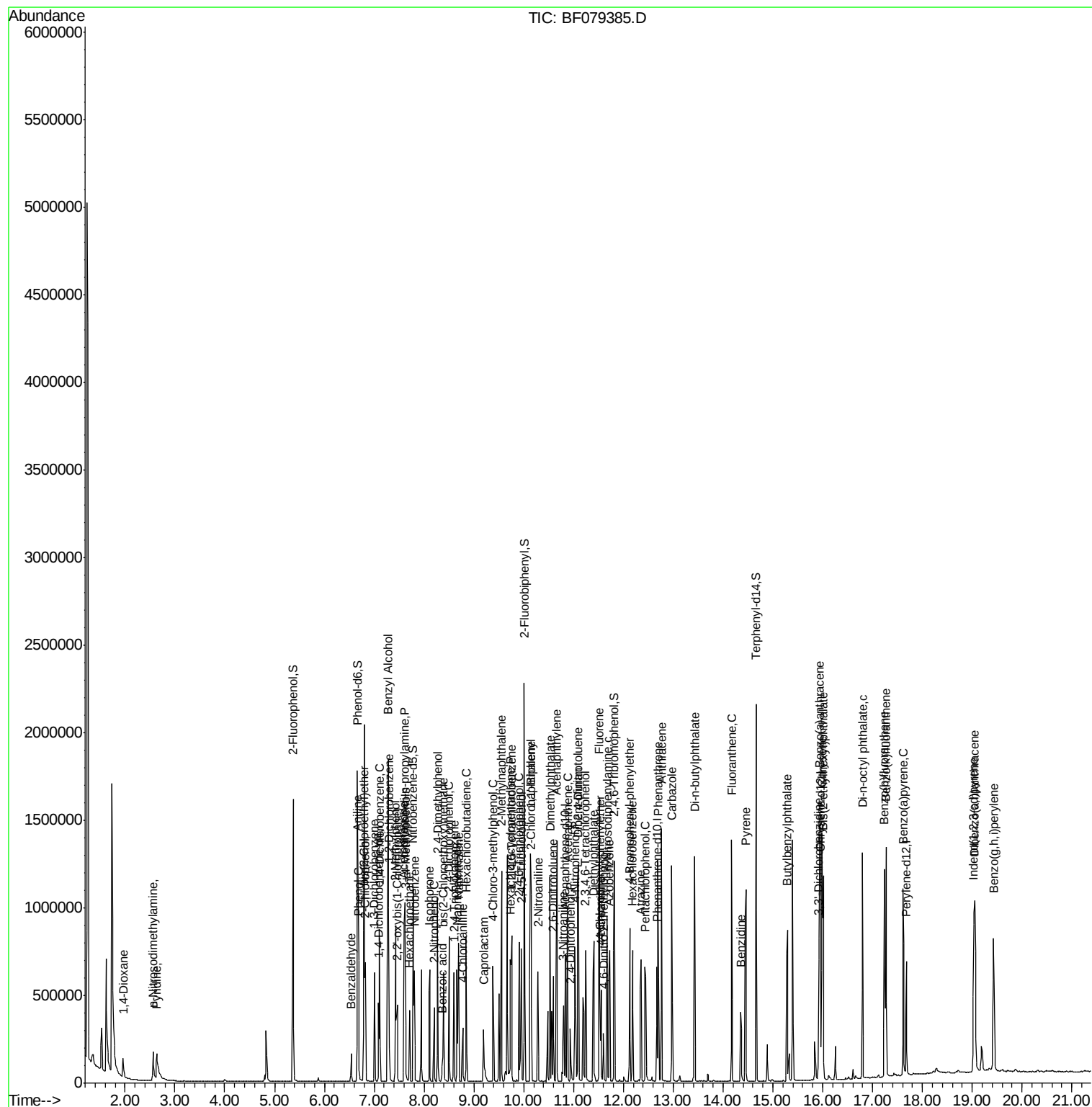
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079385.D  
Acq On : 20 May 2015 18:31  
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Sample : G2305-01MSD  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

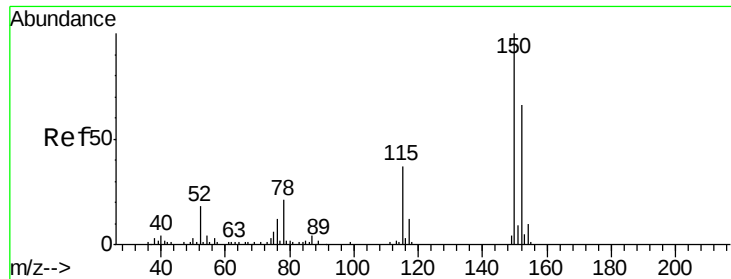
Instrument :  
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Manual Integrations  
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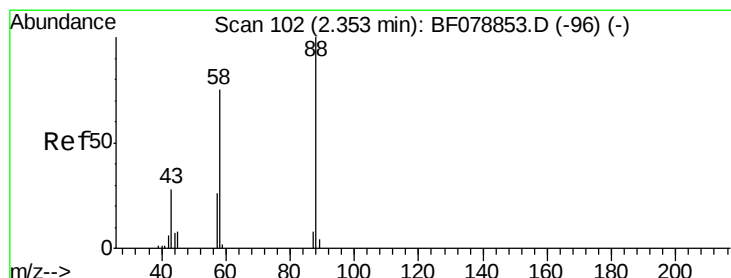
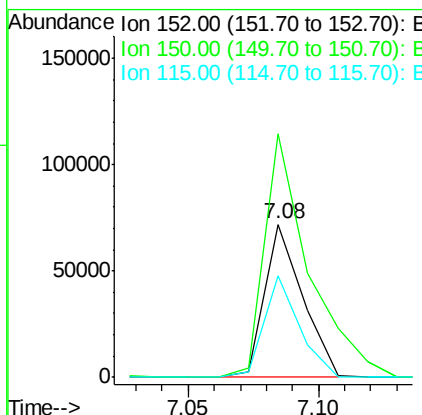
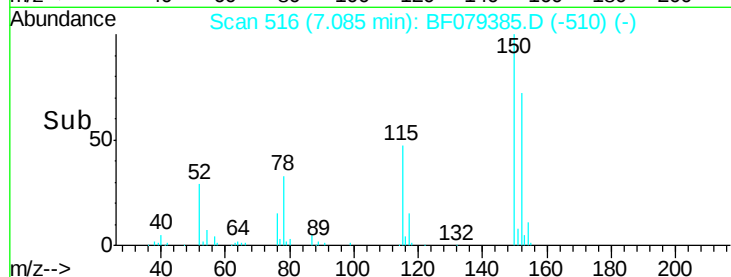
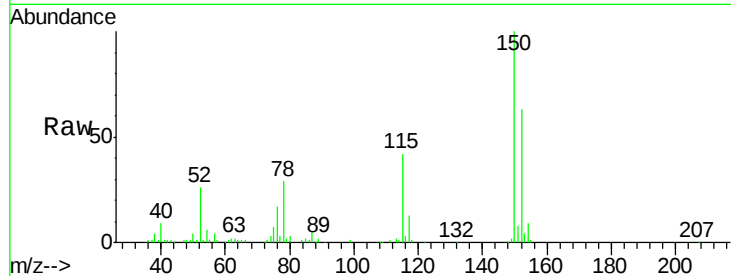
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.08 min Scan# 516  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 73215 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 159.1 | 123.8 | 185.8 |
| 115      | 66.2  | 49.4  | 74.0  |

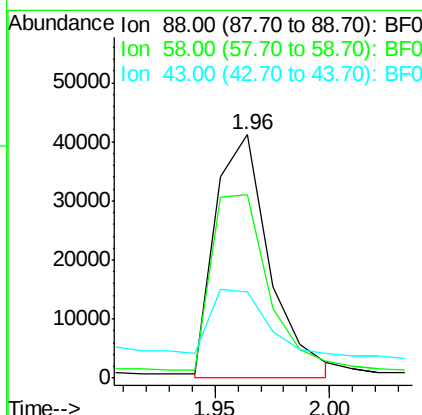
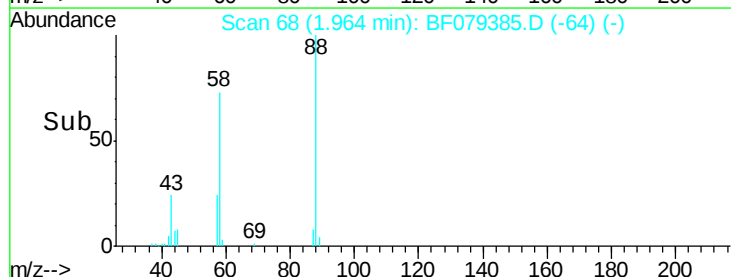
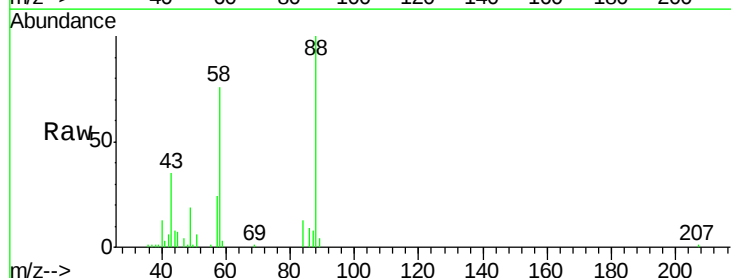
Manual Integrations  
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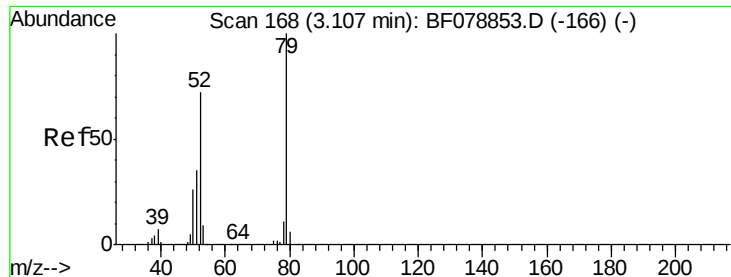
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 5/21/2015 4:27:52 PM



#2  
 1,4-Dioxane  
 Concen: 36.83 ng m  
 RT: 1.96 min Scan# 68  
 Delta R.T. 0.02 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 68119 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 0.0   | 63.5  | 95.3# |
| 43       | 0.0   | 24.6  | 37.0# |





#3

Pvridine

Concen: 32.66 ng/ml

RT: 2.64 min Scan# 127

Delta R.T. 0.02 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

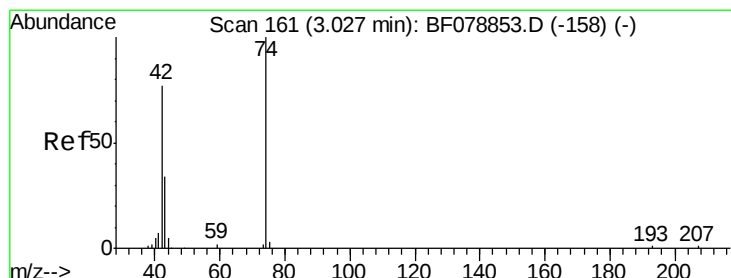
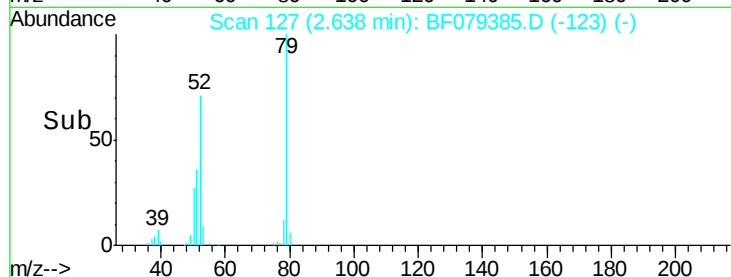
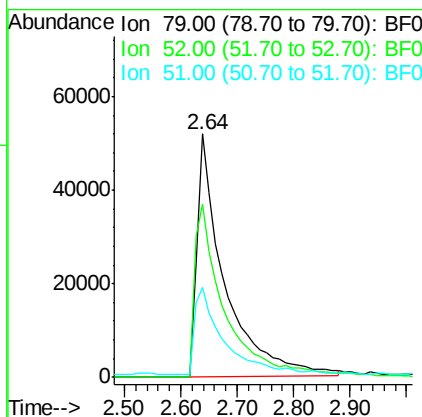
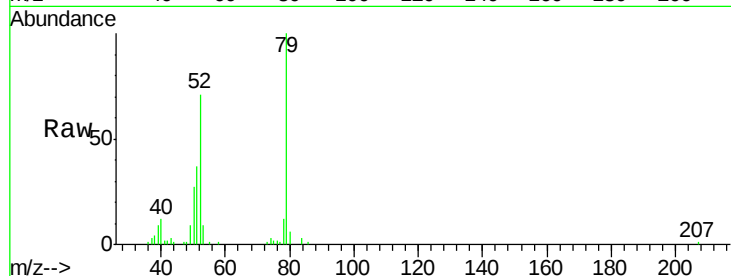
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 176763 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 70.9  | 57.6  | 86.4   |
| 51        | 37.1  | 28.7  | 43.1   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 35.13 ng/ml

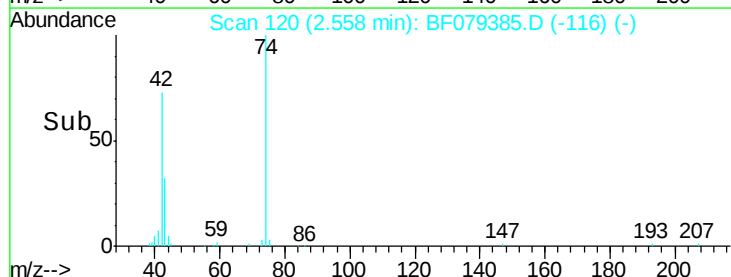
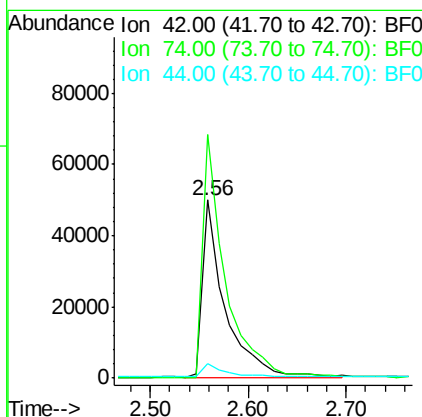
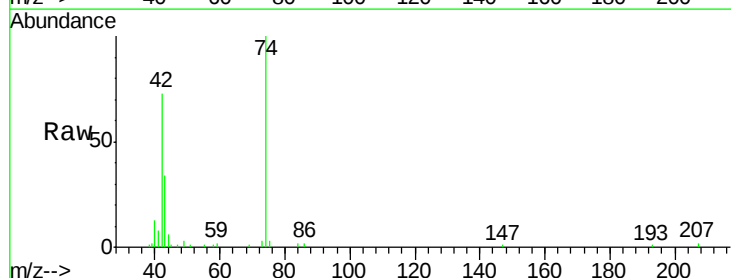
RT: 2.56 min Scan# 120

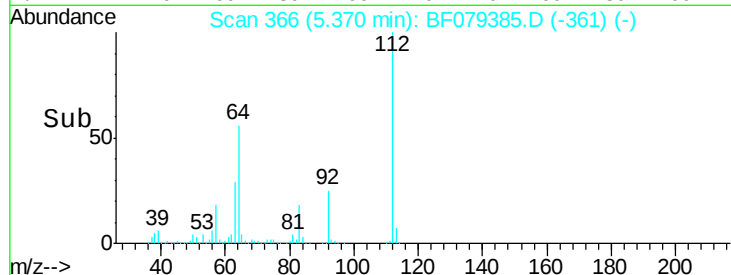
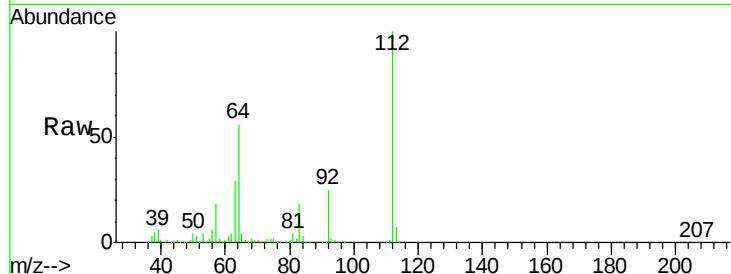
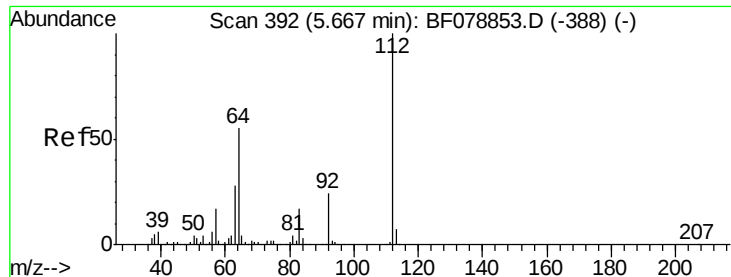
Delta R.T. 0.02 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 81450 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 136.7 | 104.4 | 156.6 |
| 44        | 8.0   | 6.2   | 9.2   |





#5

2-Fluorophenol

Concen: 123.66 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 112     | 100  |       | 525972 |       |       |
| 64      | 55.6 | 44.2  | 66.2   |       |       |
| 63      | 28.6 | 22.7  | 34.1   |       |       |

Instrument :

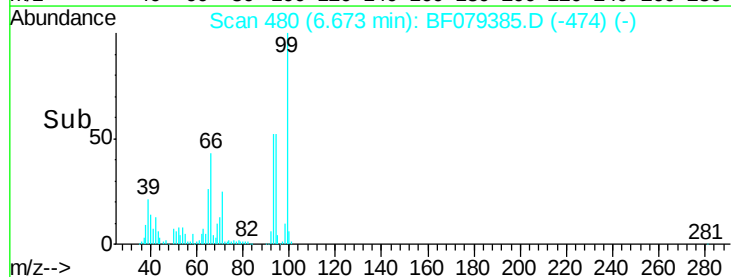
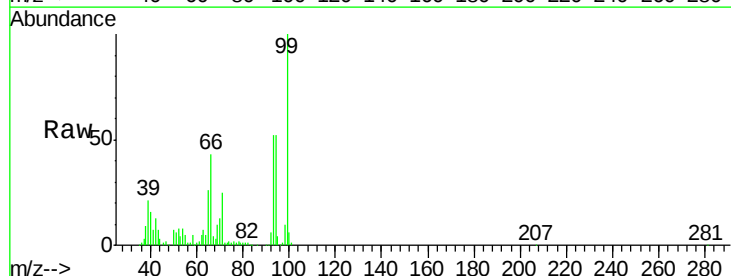
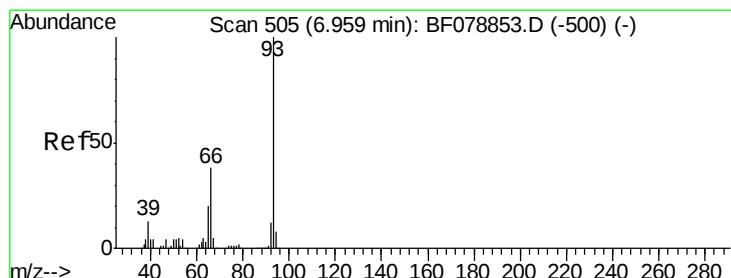
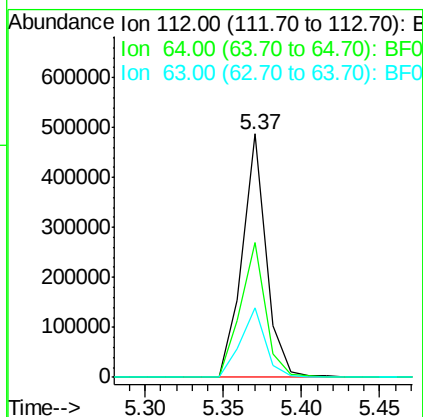
BNA\_F

ClientSampleId :

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Manual Integrations  
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5/21/2015 4:27:52 PM



#6

Aniline

Concen: 18.48 ng/mL

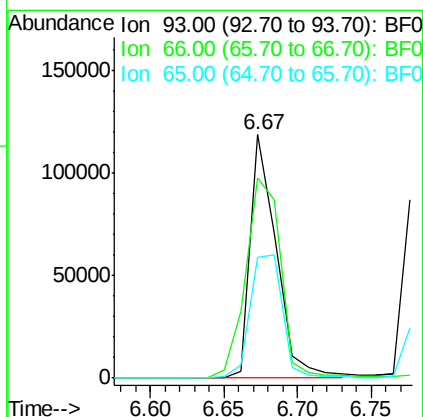
RT: 6.67 min Scan# 480

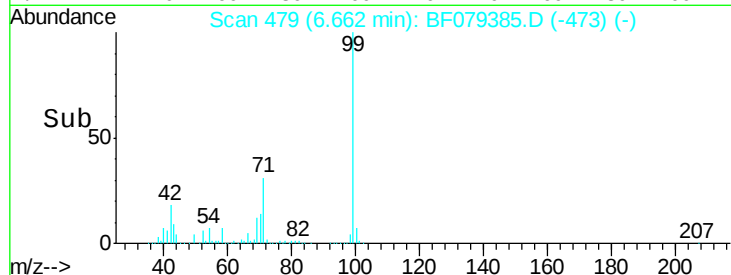
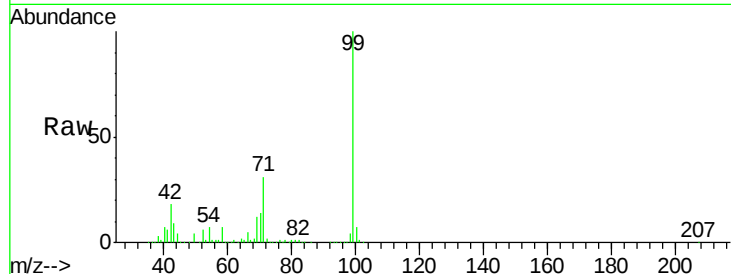
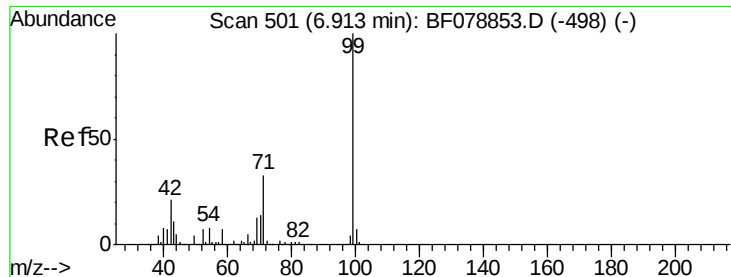
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 146685 |       |       |
| 66      | 82.0 | 30.7  | 46.1#  |       |       |
| 65      | 49.5 | 15.8  | 23.8#  |       |       |





#7

Phenol-d6

Concen: 116.75 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 656365 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.2  | 17.1  | 25.7   |
| 71        | 31.2  | 26.3  | 39.5   |

Instrument :

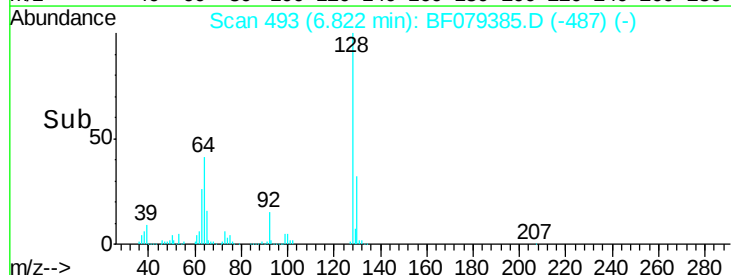
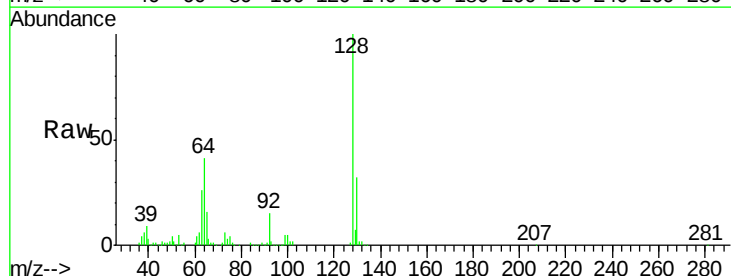
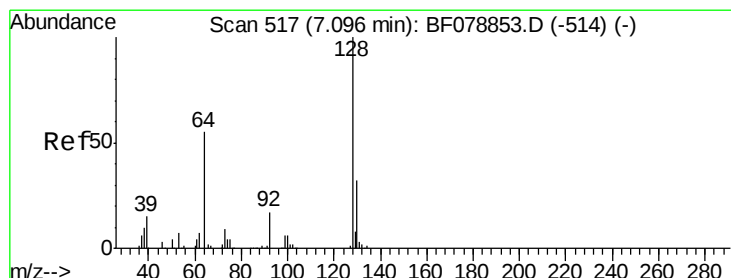
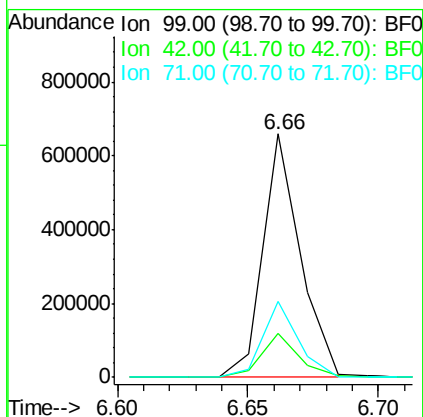
BNA\_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 40.59 ng

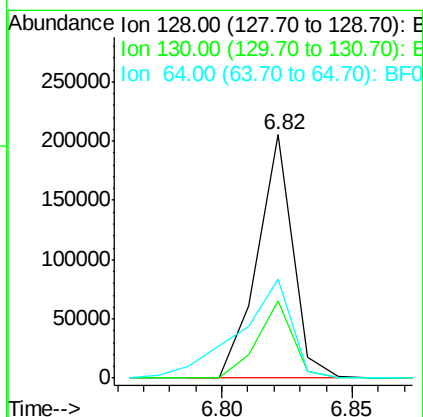
RT: 6.82 min Scan# 493

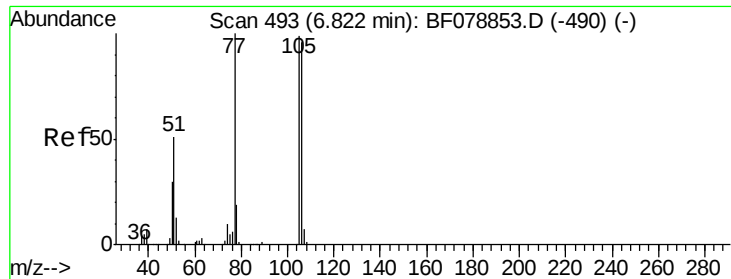
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 195794 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.7  | 12.4  | 52.4   |
| 64        | 40.6  | 37.8  | 77.8   |





#9

Benzaldehyde

Concen: 8.92 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF079385.D

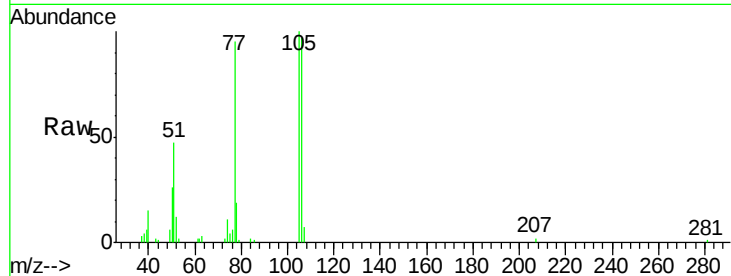
Acq: 20 May 2015 18:31

Instrument :

BNA\_F

ClientSampleId :

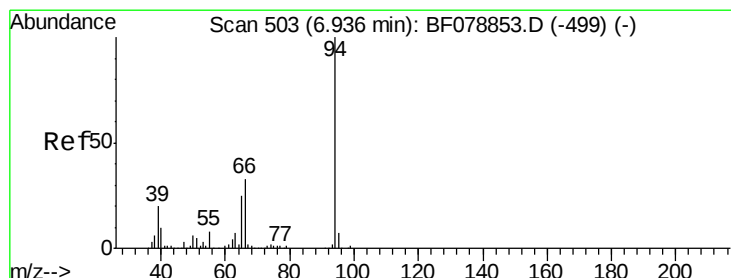
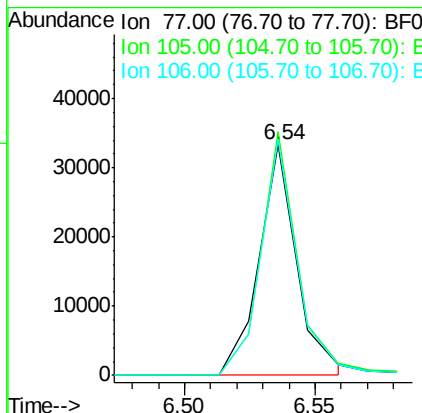
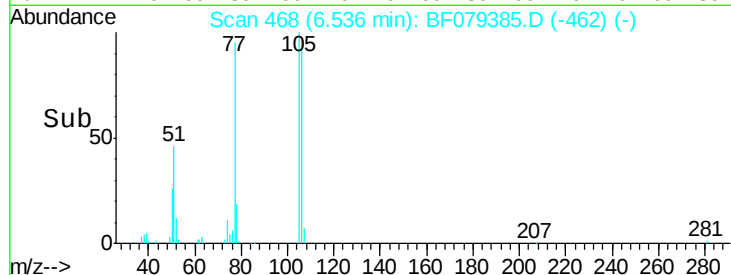
KM-SP-001-150518MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 33776 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 105.7 | 78.9  | 118.9 |
| 106      | 102.2 | 75.8  | 115.8 |

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#10

Phenol

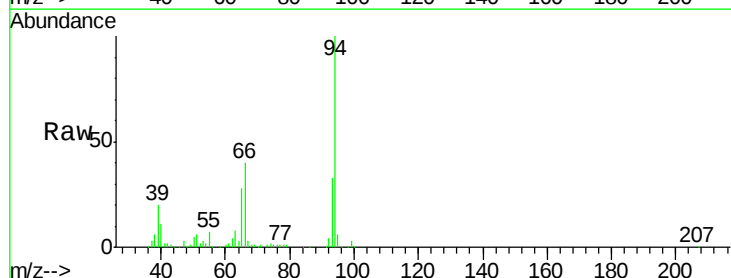
Concen: 37.07 ng

RT: 6.68 min Scan# 481

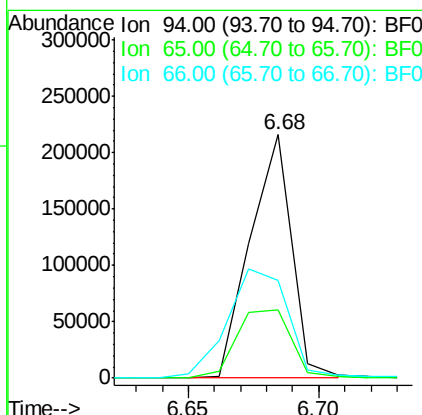
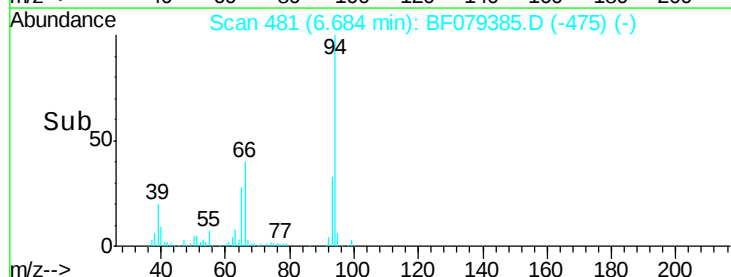
Delta R.T. -0.00 min

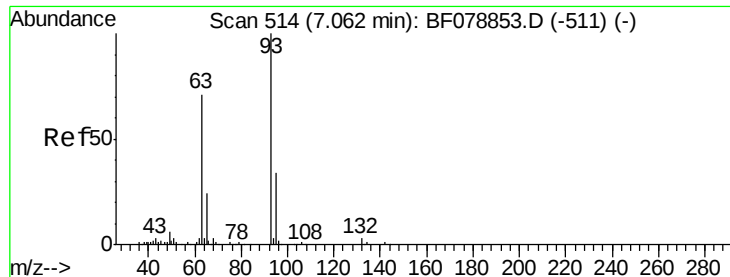
Lab File: BF079385.D

Acq: 20 May 2015 18:31



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 241777 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.9  | 5.1   | 45.1   |
| 66       | 40.3  | 13.1  | 53.1   |





#11

bis(2-Chloroethyl)ether

Concen: 39.96 ng/mL

RT: 6.79 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

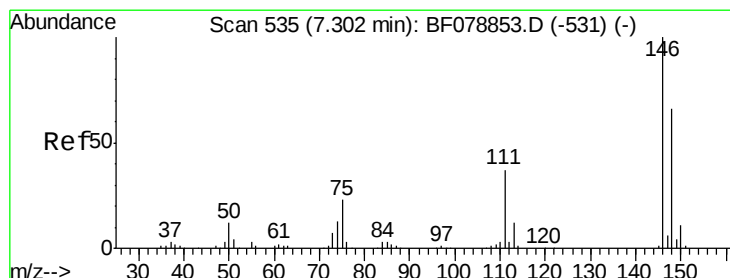
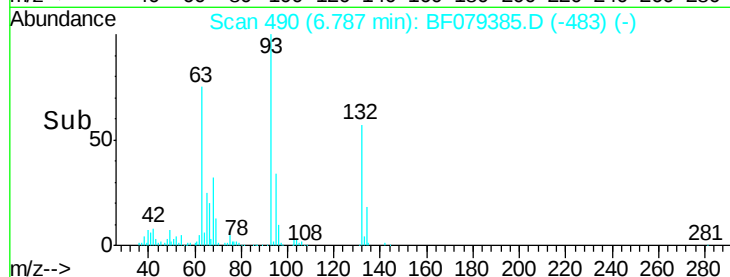
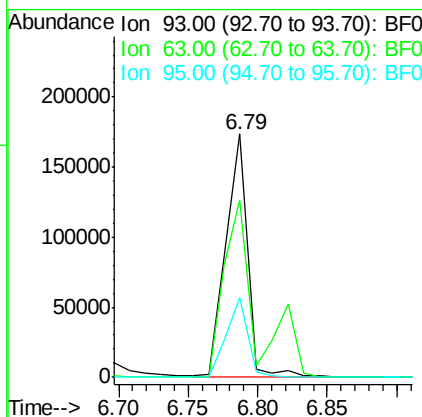
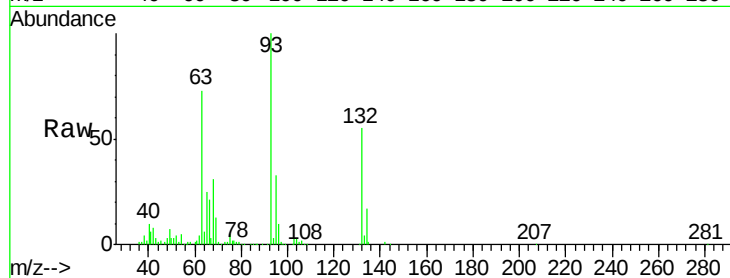
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 191051 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 72.7  | 50.8  | 90.8   |
| 95        | 32.9  | 13.9  | 53.9   |

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#12

1,3-Dichlorobenzene

Concen: 36.45 ng/mL

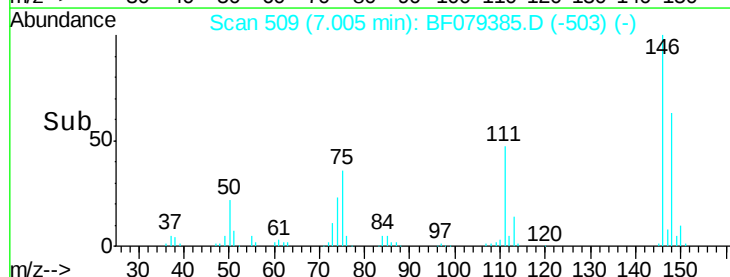
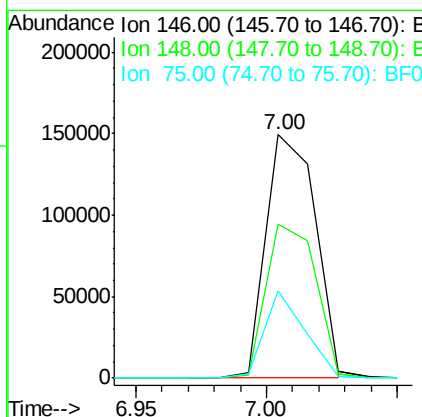
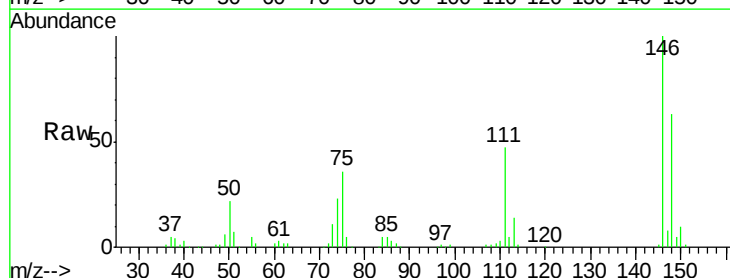
RT: 7.00 min Scan# 509

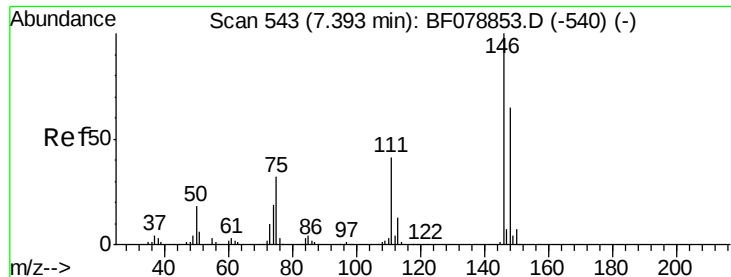
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 197646 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.1  | 52.4  | 78.6   |
| 75        | 35.8  | 18.6  | 27.8#  |





#13

1,4-Dichlorobenzene

Concen: 37.17 ng

RT: 7.11 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

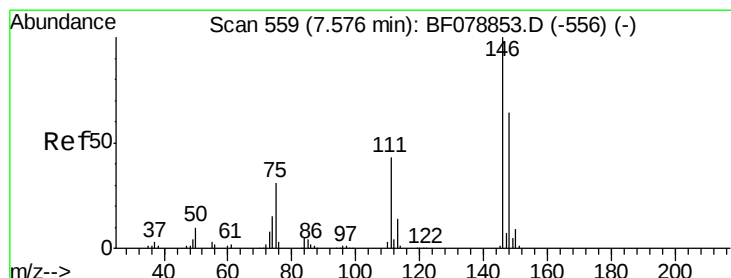
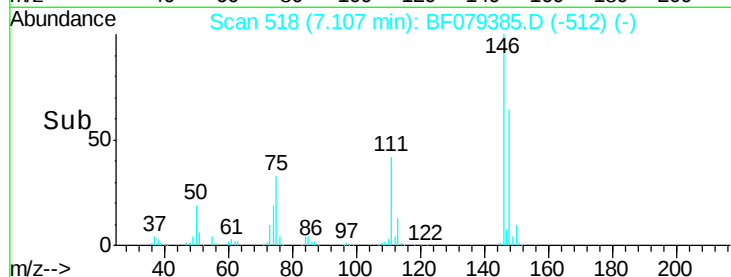
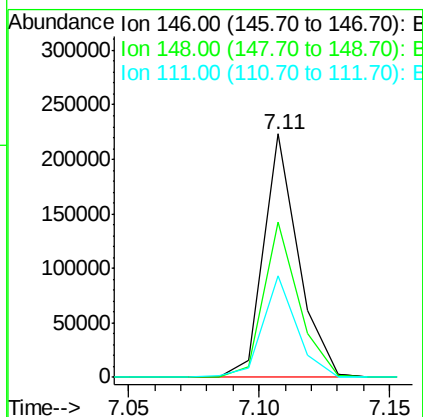
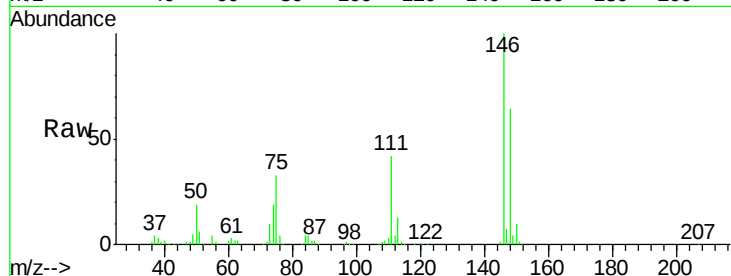
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 207430 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 51.7  | 77.5   |
| 111       | 41.8  | 32.8  | 49.2   |

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#14

1,2-Dichlorobenzene

Concen: 38.03 ng

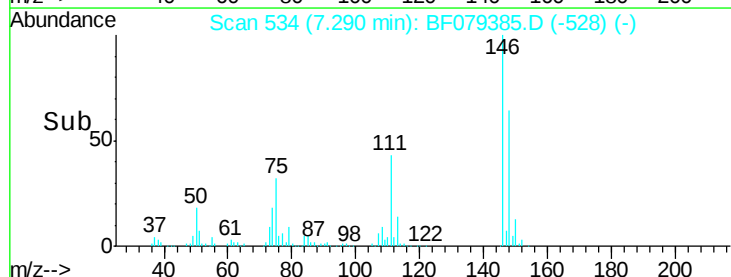
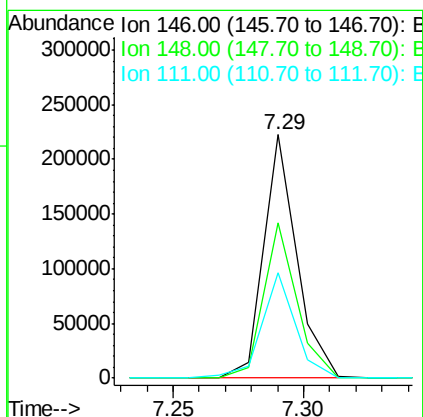
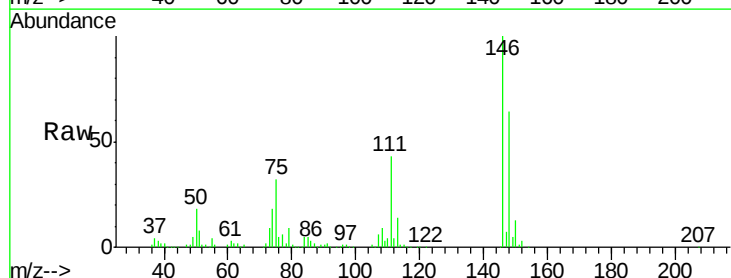
RT: 7.29 min Scan# 534

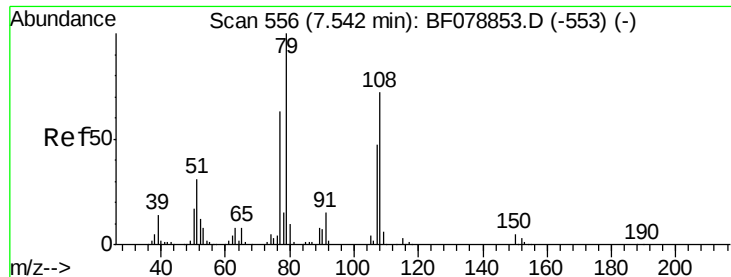
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 197581 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 51.1  | 76.7   |
| 111       | 43.5  | 34.6  | 52.0   |





#15

Benzyl Alcohol

Concen: 37.52 ng

RT: 7.28 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

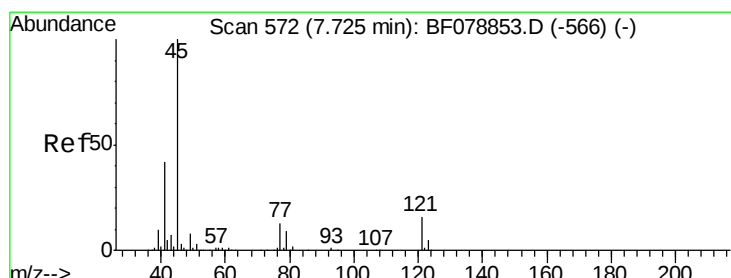
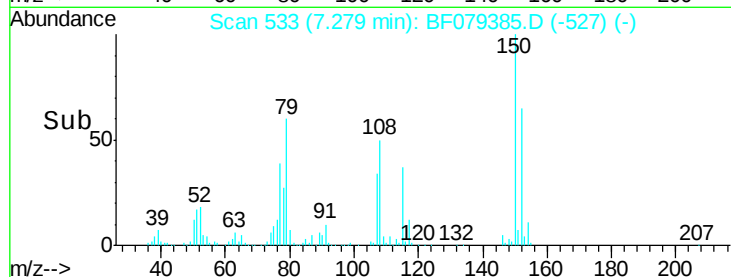
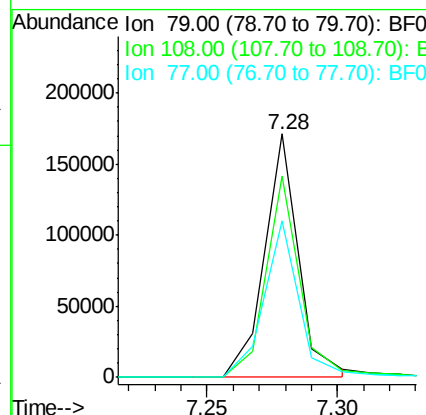
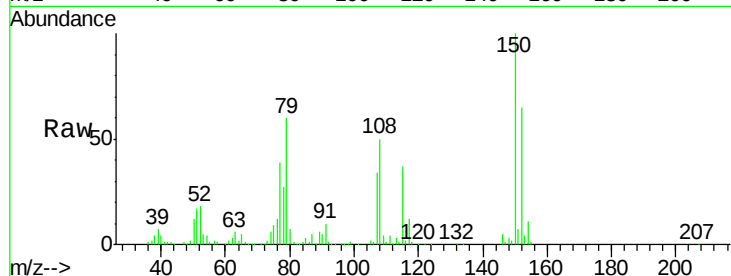
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 156583 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 82.6  | 57.4  | 86.2   |
| 77        | 64.2  | 50.2  | 75.4   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.63 ng

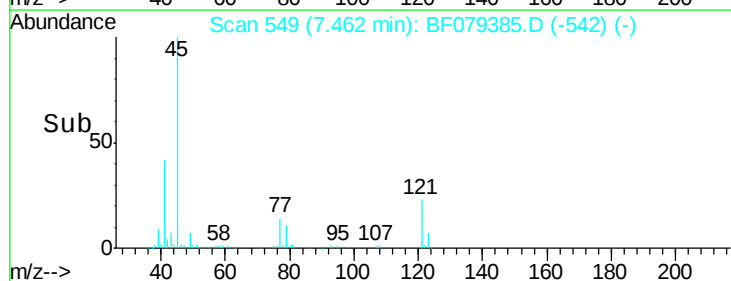
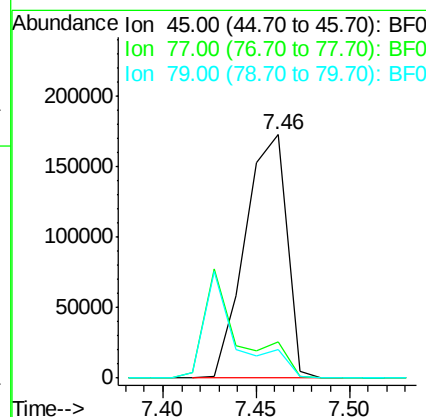
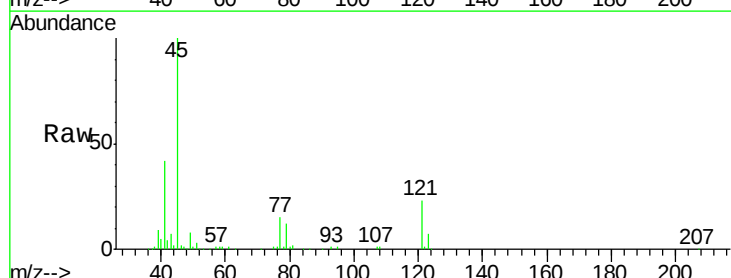
RT: 7.46 min Scan# 549

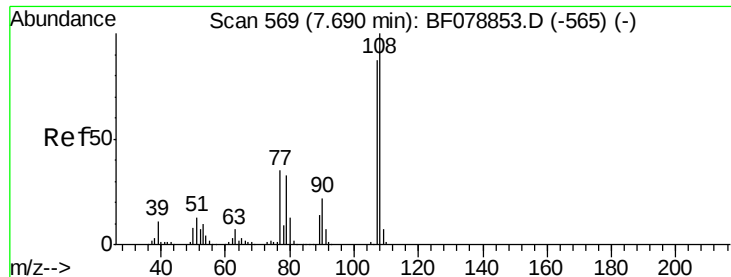
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 267970 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 14.8  | 0.0   | 32.6   |
| 79        | 11.7  | 0.0   | 29.3   |





#17

2-Methylphenol

Concen: 40.00 ng

RT: 7.43 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF079385.D

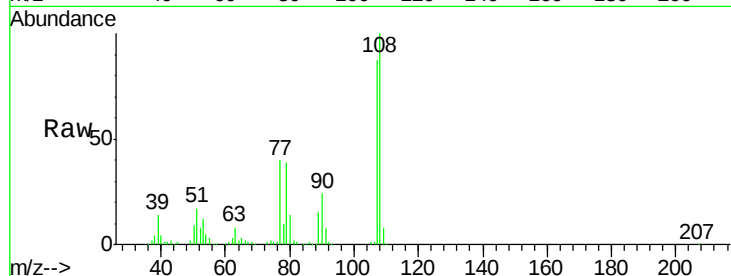
Acq: 20 May 2015 18:31

Instrument :

BNA\_F

ClientSampleId :

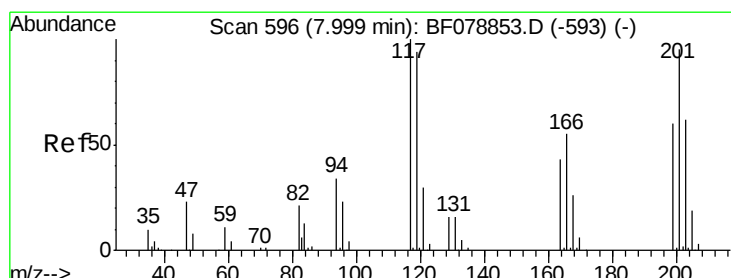
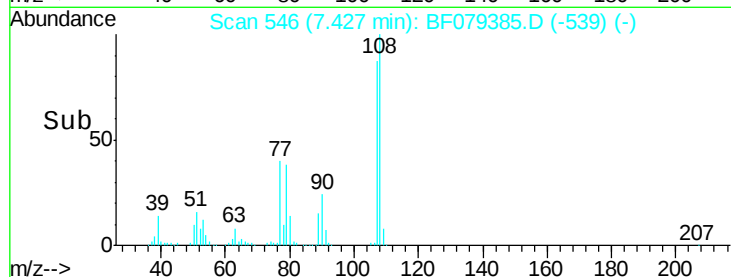
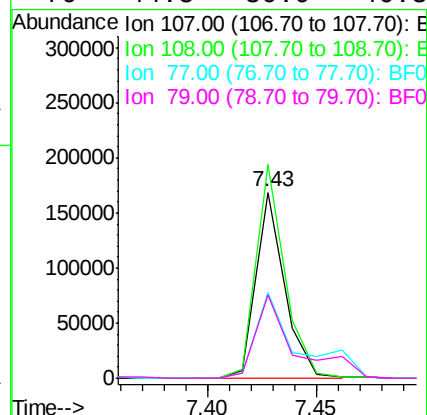
KM-SP-001-150518MSD



| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.8 | 92.4 | 138.6 |       |
| 77      | 46.0  | 32.6 | 49.0  |       |
| 79      | 44.5  | 30.9 | 46.3  |       |

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#18

Hexachloroethane

Concen: 35.30 ng

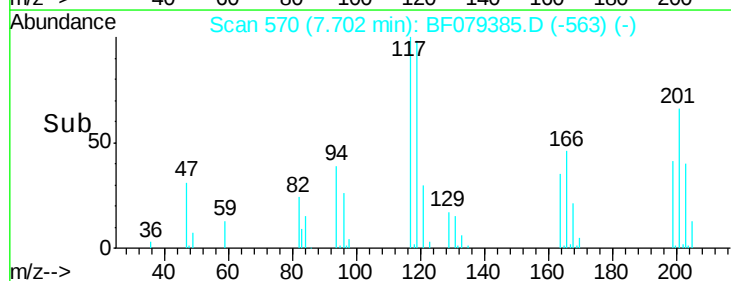
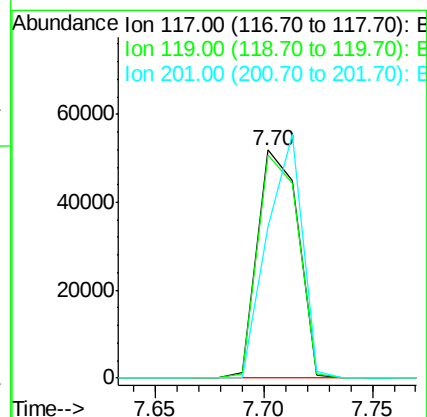
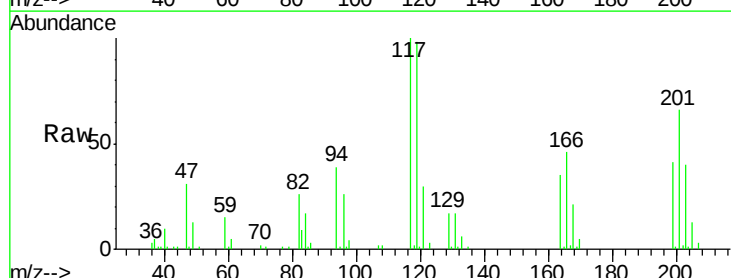
RT: 7.70 min Scan# 570

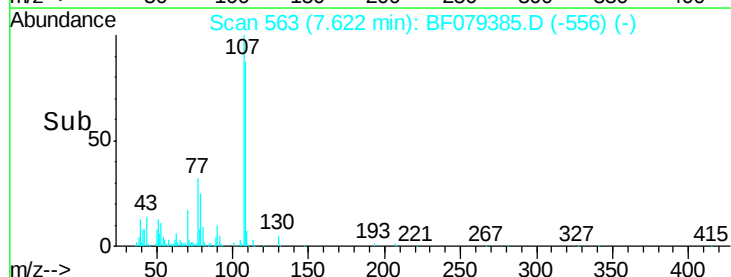
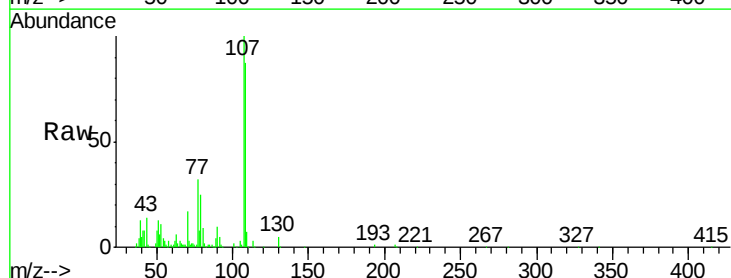
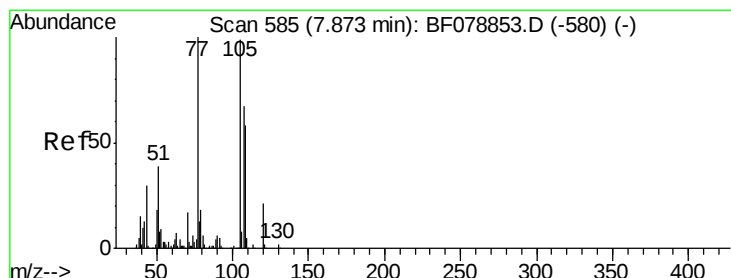
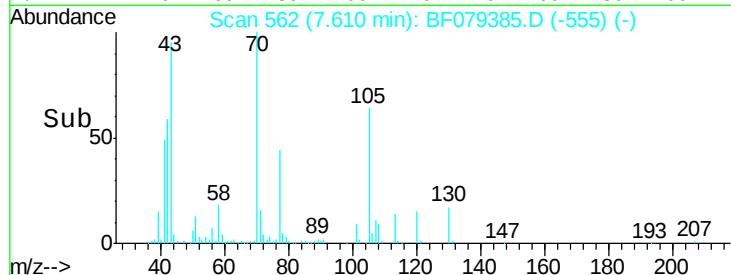
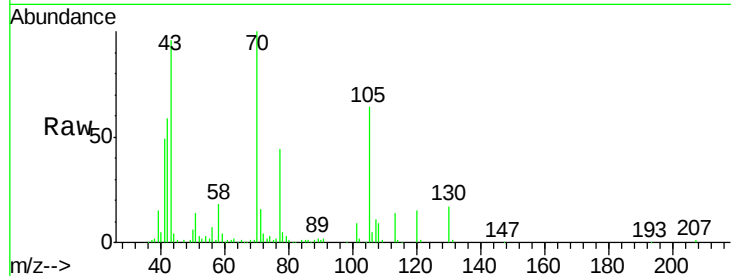
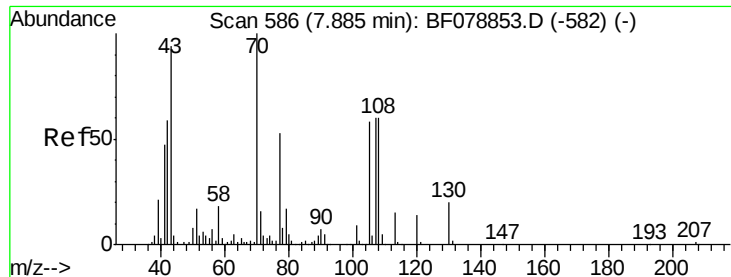
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

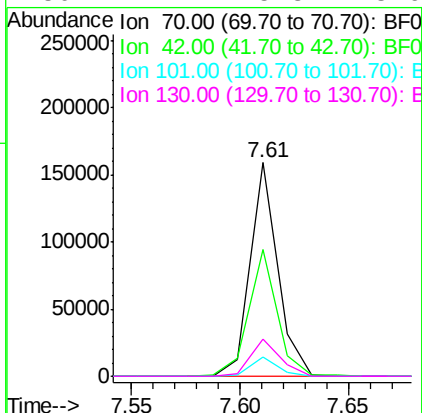
| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 117     | 100   |      |        |       |
| 119     | 97.7  | 75.2 | 112.8  |       |
| 201     | 66.2  | 75.8 | 113.8# |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 36.85 ng  
RT: 7.61 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 59.2 | 47.3  | 70.9 |       |       |
| 101     | 8.8  | 7.5   | 11.3 |       |       |
| 130     | 17.4 | 15.8  | 23.6 |       |       |



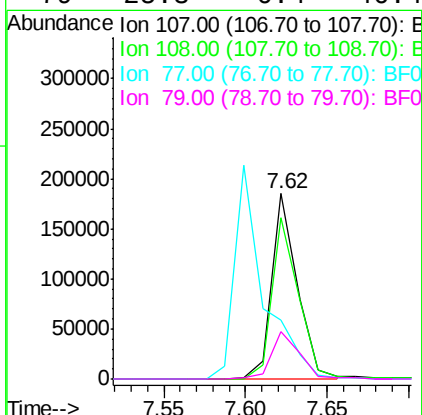
Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

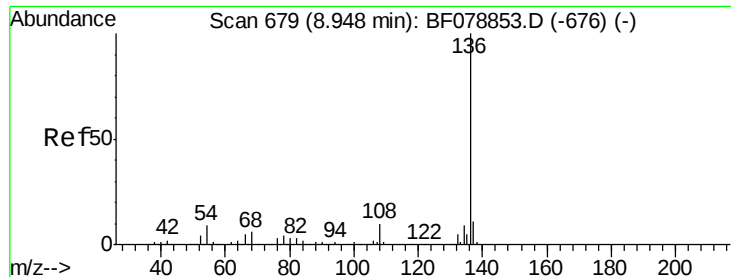
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#20  
3+4-Methylphenols  
Concen: 39.26 ng  
RT: 7.62 min Scan# 563  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 108     | 87.1 | 66.5  | 106.5 |       |       |
| 77      | 32.1 | 130.6 | 170.6 |       |       |
| 79      | 25.3 | 6.4   | 46.4  |       |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

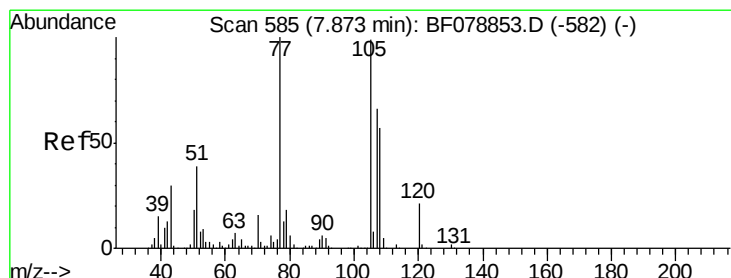
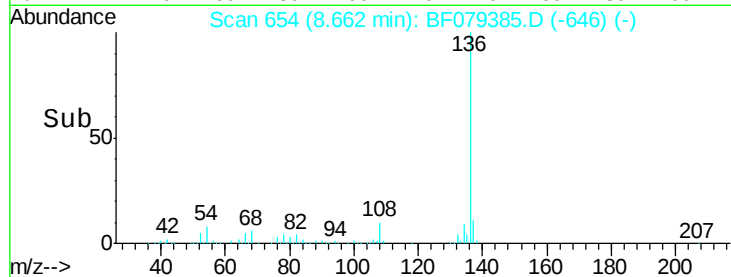
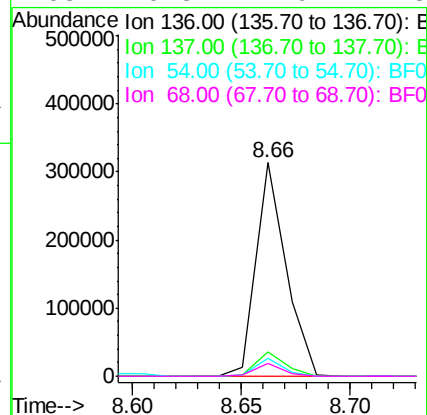
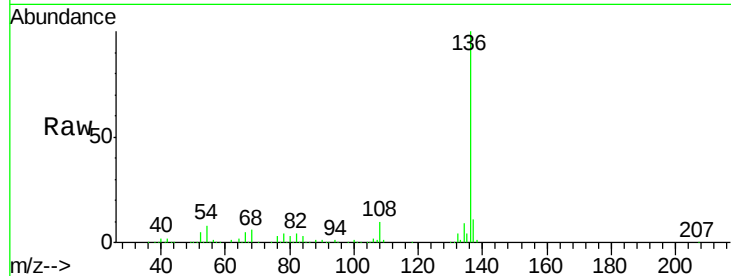
ClientSampleId :

KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 299791 |       |       |
| 137     | 11.2  | 8.8    | 13.2  |       |
| 54      | 8.4   | 6.9    | 10.3  |       |
| 68      | 6.3   | 4.9    | 7.3   |       |

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#22

Acetophenone

Concen: 39.48 ng

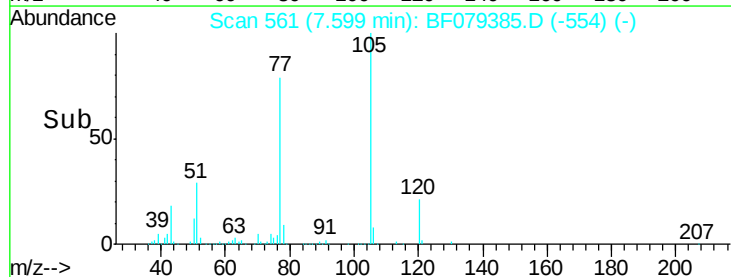
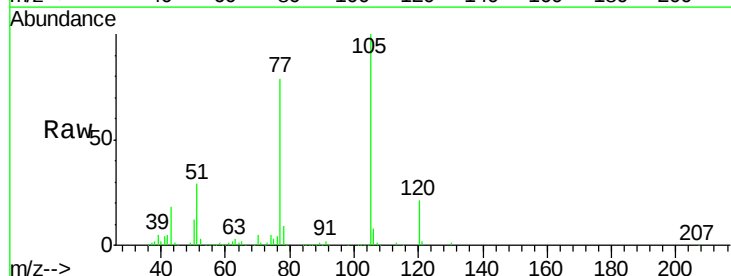
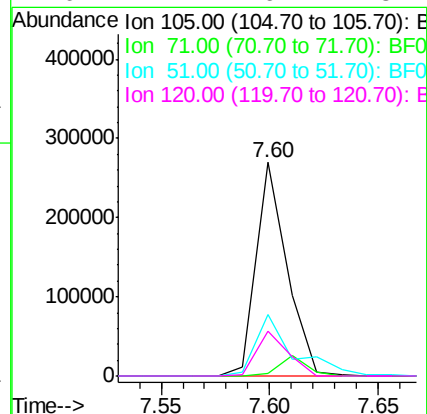
RT: 7.60 min Scan# 561

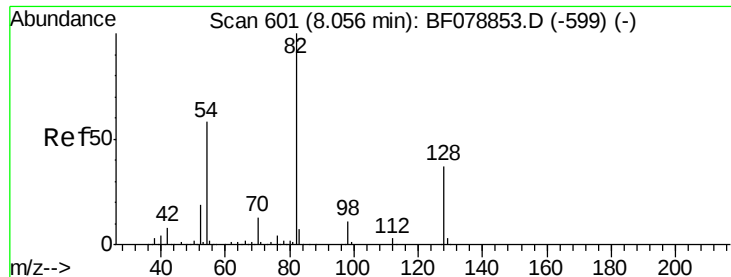
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 267428 |       |       |
| 71      | 0.9   | 2.2    | 3.4#  |       |
| 51      | 29.0  | 31.1   | 46.7# |       |
| 120     | 21.1  | 16.7   | 25.1  |       |





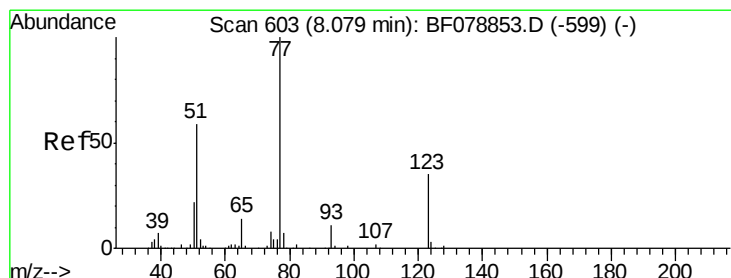
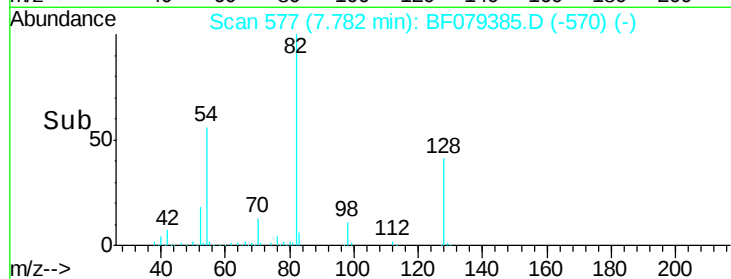
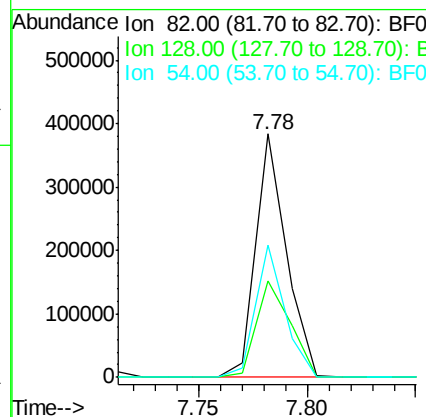
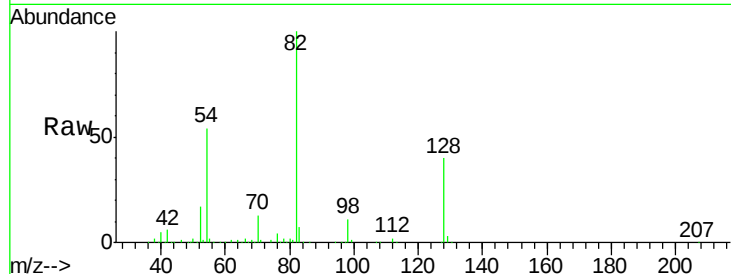
#23  
 Nitrobenzene-d5  
 Concen: 72.33 ng  
 RT: 7.78 min Scan# 577  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.5  | 29.7  | 44.5  |
| 54      | 54.3  | 46.2  | 69.4  |

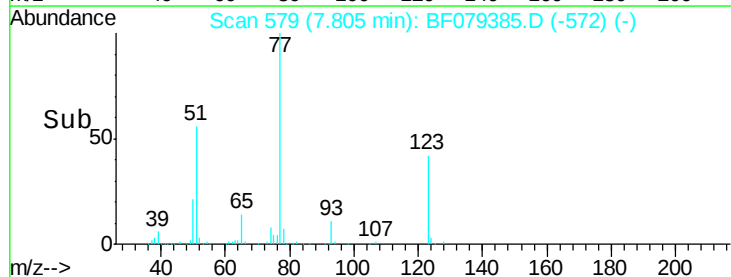
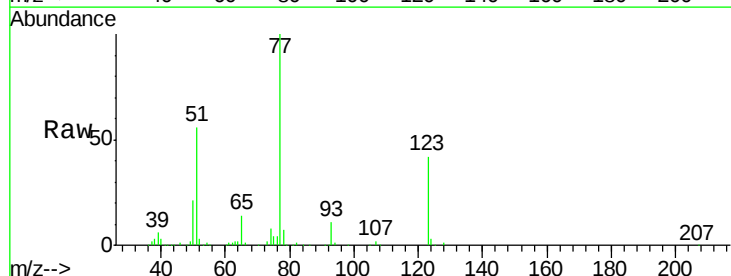
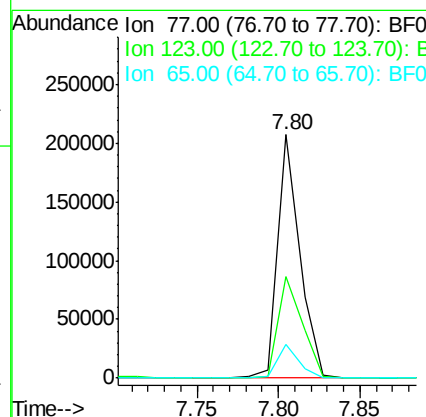
Manual Integrations  
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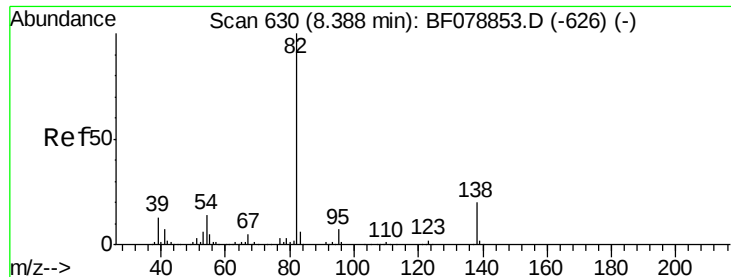
apatel  
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#24  
 Nitrobenzene  
 Concen: 38.21 ng  
 RT: 7.80 min Scan# 579  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 41.7  | 28.3  | 42.5  |
| 65      | 13.7  | 11.0  | 16.4  |





#25

Isophorone

Concen: 38.05 ng

RT: 8.11 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

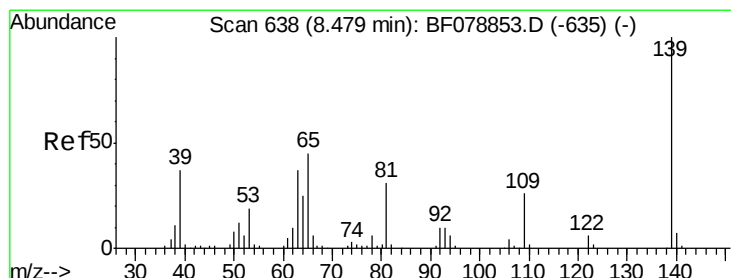
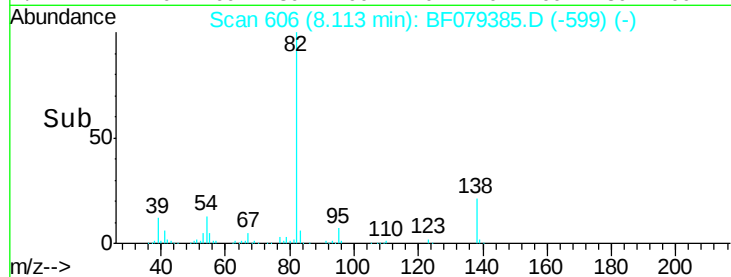
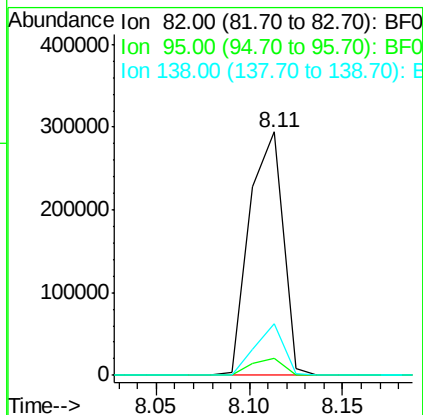
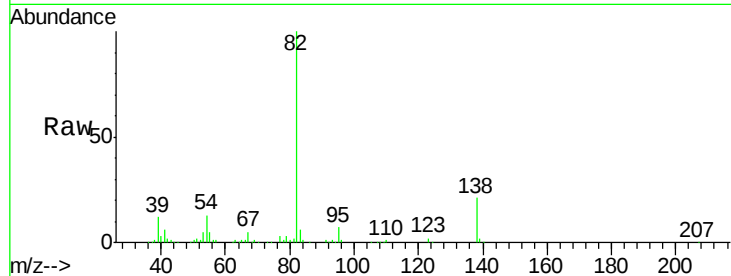
ClientSampleId :

KM-SP-001-150518MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 367949 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 7.1  | 5.4   | 8.2    |
| 138       | 21.2 | 16.1  | 24.1   |

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#26

2-Nitrophenol

Concen: 43.93 ng

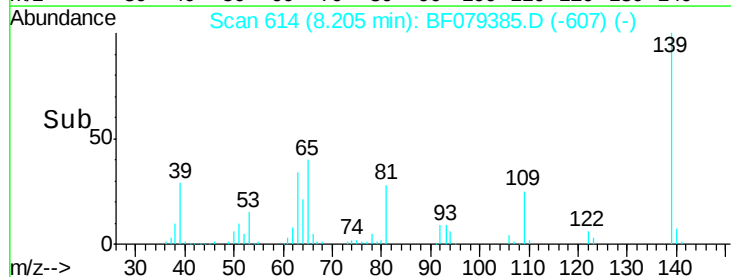
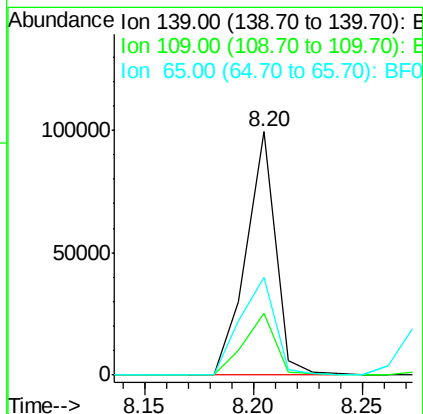
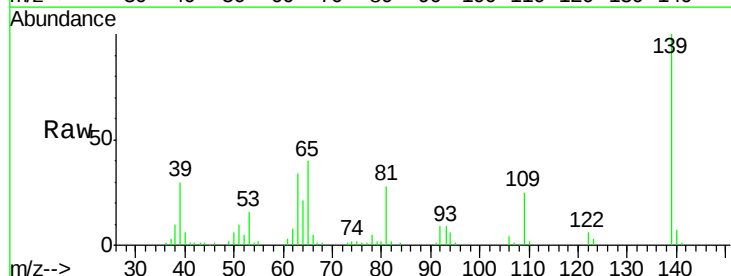
RT: 8.20 min Scan# 614

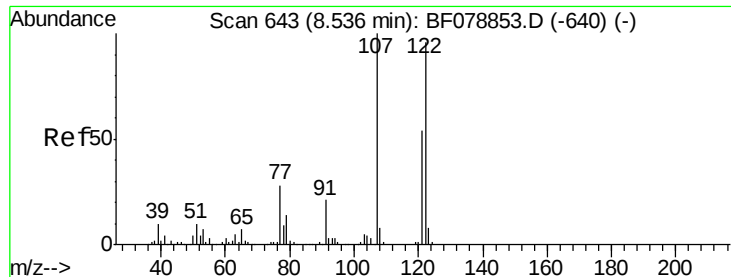
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 94020 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 25.2 | 20.9  | 31.3  |
| 65        | 40.4 | 35.8  | 53.8  |





#27

2,4-Dimethylphenol

Concen: 40.95 ng

RT: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

ClientSampleId :

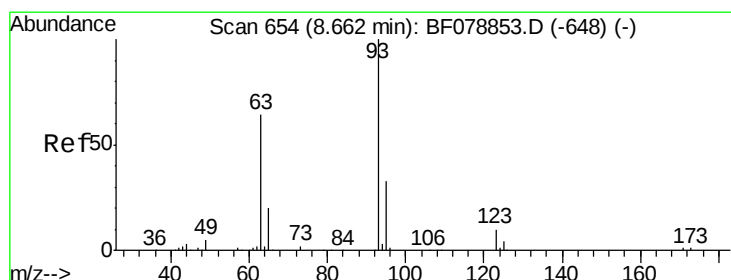
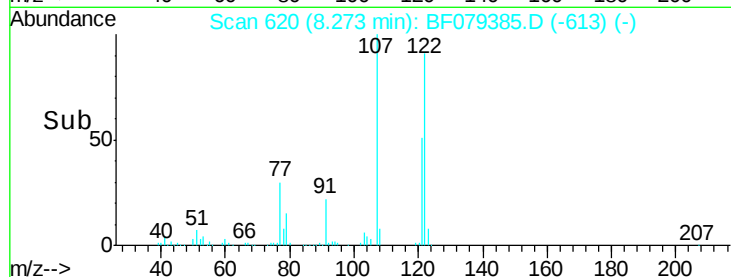
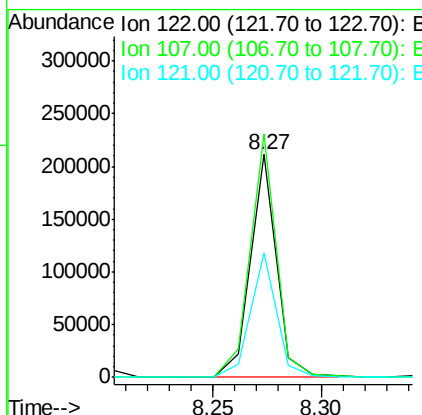
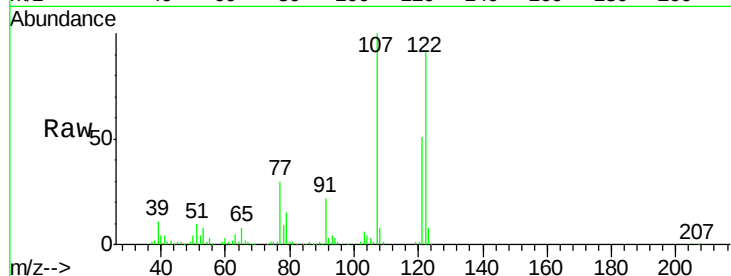
KM-SP-001-150518MSD

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| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |       |
| 107     | 109.4 | 83.6  | 125.4 |       |       |
| 121     | 55.7  | 44.9  | 67.3  |       |       |



#28

bis(2-Chloroethoxy)methane

Concen: 37.77 ng

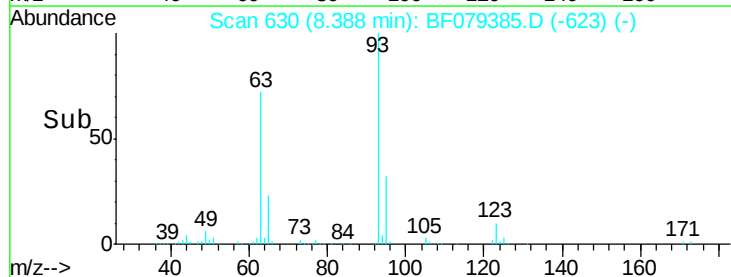
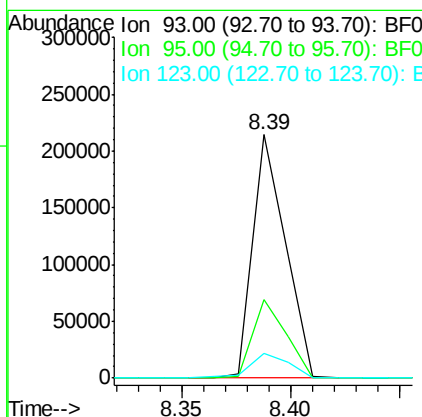
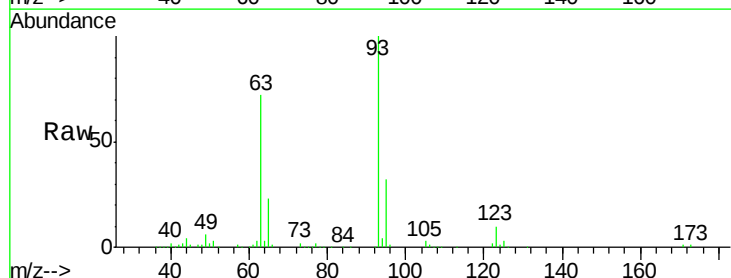
RT: 8.39 min Scan# 630

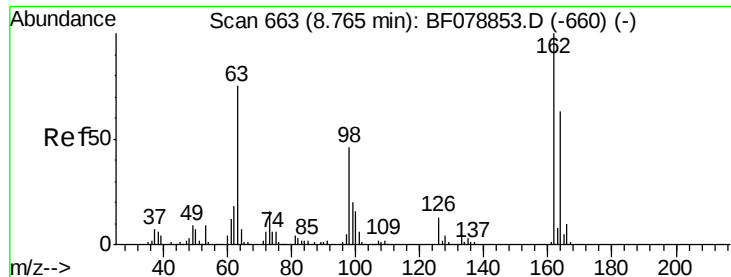
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 93      | 100  |       |      |       |       |
| 95      | 32.5 | 26.2  | 39.2 |       |       |
| 123     | 9.9  | 8.6   | 12.8 |       |       |





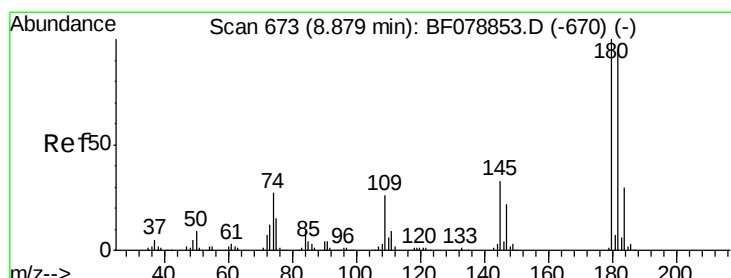
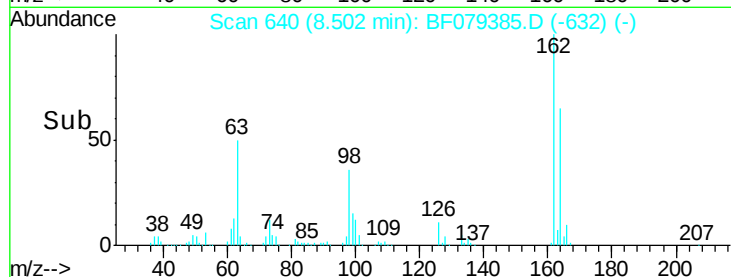
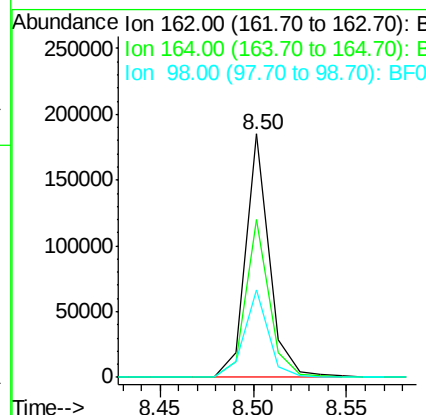
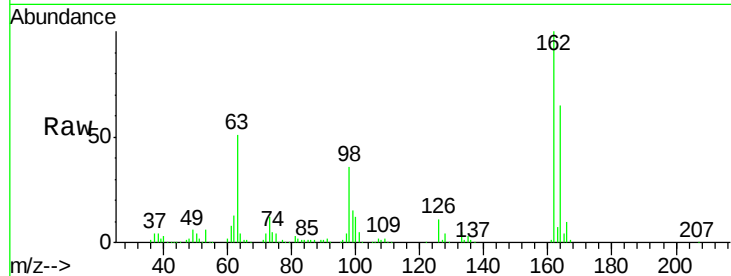
#29  
2,4-Dichlorophenol  
Concen: 43.00 ng  
RT: 8.50 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 163753 |       |       |
| 164     | 64.6  | 42.7   | 82.7  |       |
| 98      | 36.1  | 26.3   | 66.3  |       |

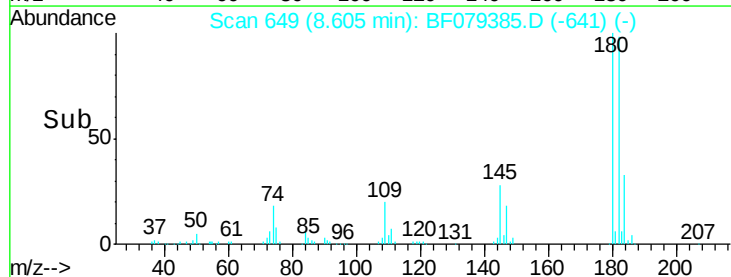
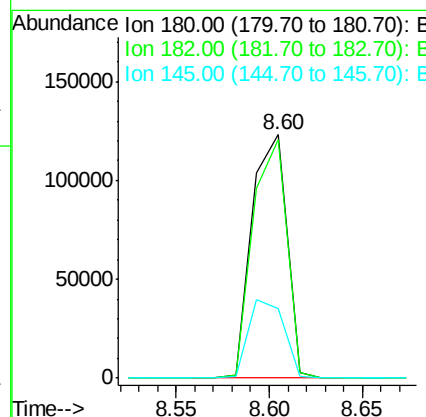
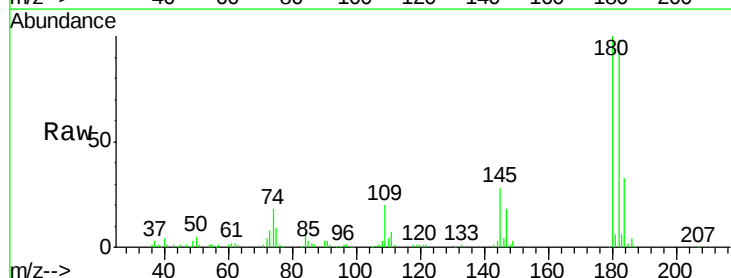
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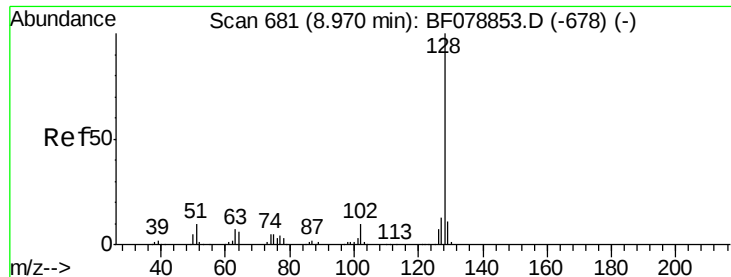
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#30  
1,2,4-Trichlorobenzene  
Concen: 37.86 ng  
RT: 8.60 min Scan# 649  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 158366 |       |       |
| 182     | 98.1  | 75.7   | 113.5 |       |
| 145     | 28.3  | 26.2   | 39.4  |       |





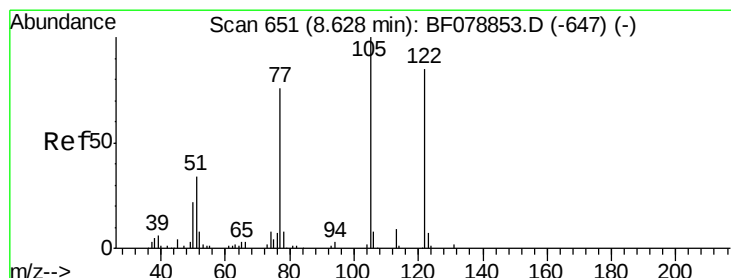
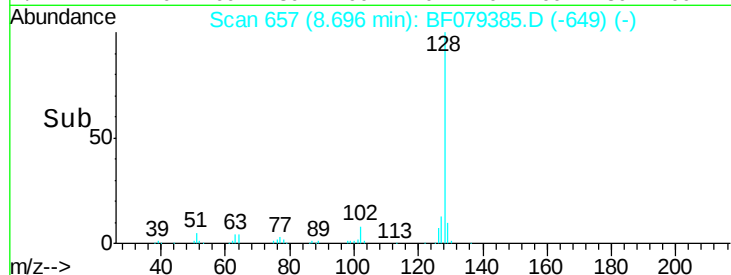
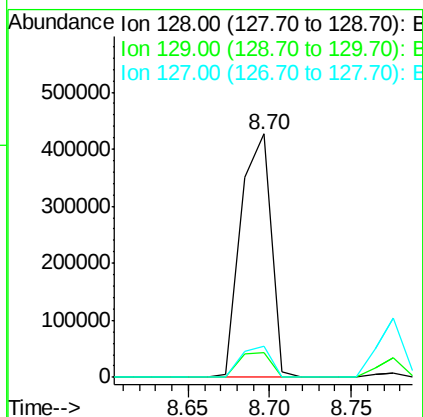
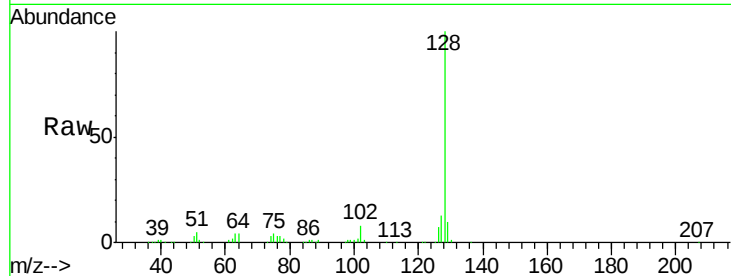
#31  
Naphthalene  
Concen: 38.15 ng  
RT: 8.70 min Scan# 657  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 544907 |       |       |
| 129     | 10.3  |        | 9.2   | 13.8  |
| 127     | 12.8  |        | 10.3  | 15.5  |

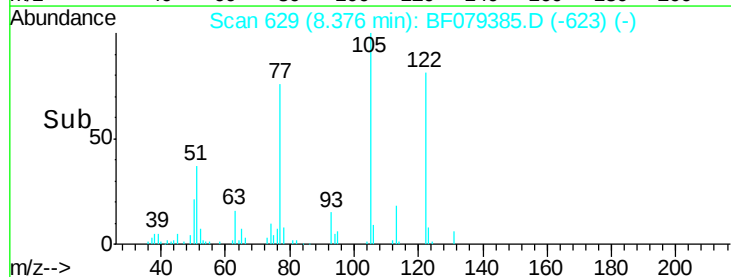
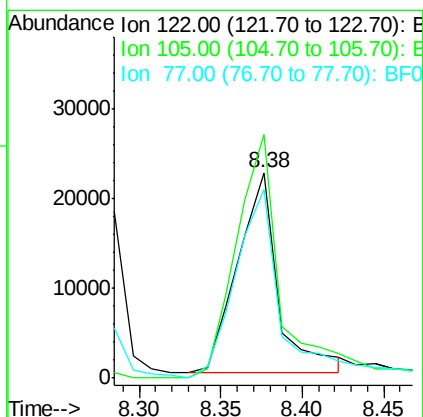
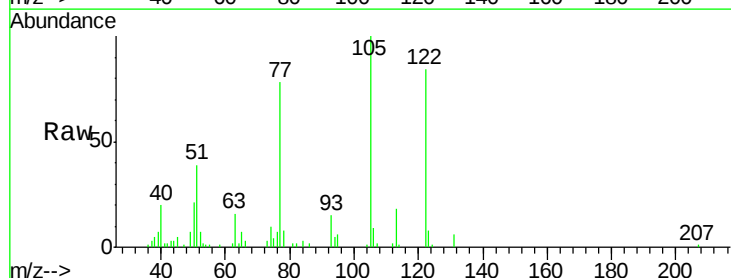
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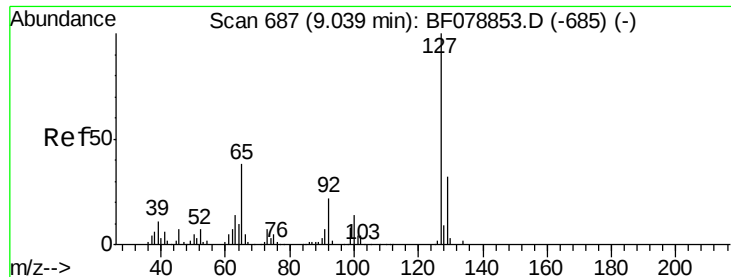
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#32  
Benzoic acid  
Concen: 18.73 ng  
RT: 8.38 min Scan# 629  
Delta R.T. -0.01 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 38362 |       |       |
| 105     | 118.6 |       | 100.7 | 140.7 |
| 77      | 92.1  |       | 72.0  | 112.0 |





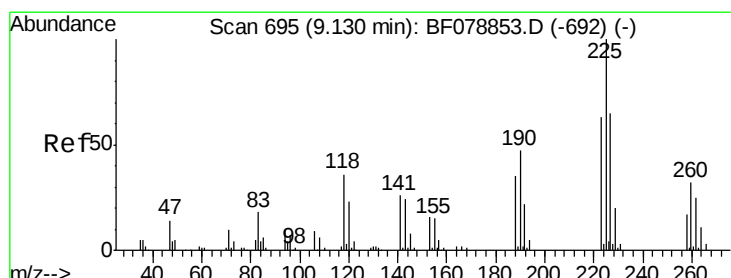
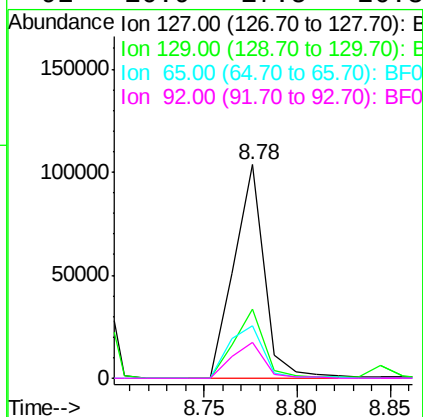
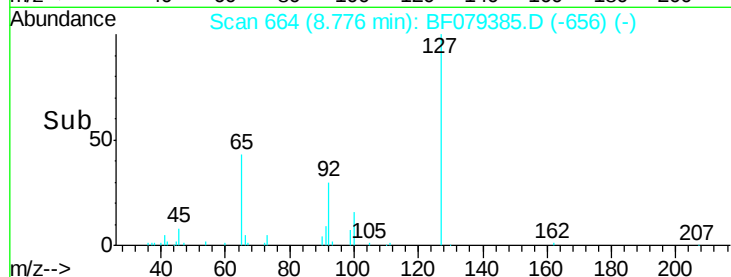
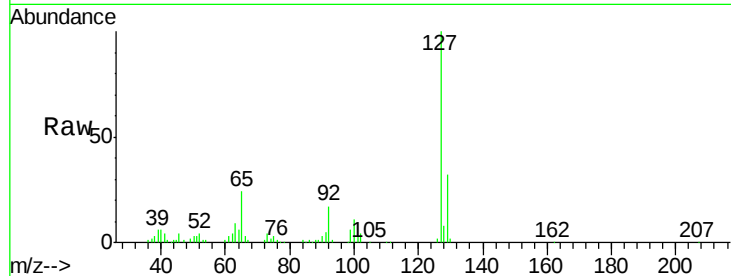
#33  
4-Chloroaniline  
Concen: 19.50 ng  
RT: 8.78 min Scan# 664  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.4 | 25.6  | 38.4 |       |       |
| 65      | 24.4 | 30.2  | 45.4 |       |       |
| 92      | 16.9 | 17.5  | 26.3 |       |       |

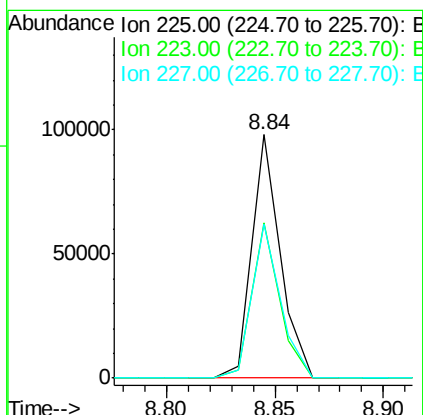
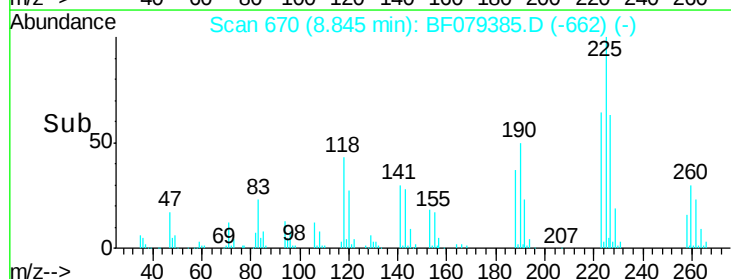
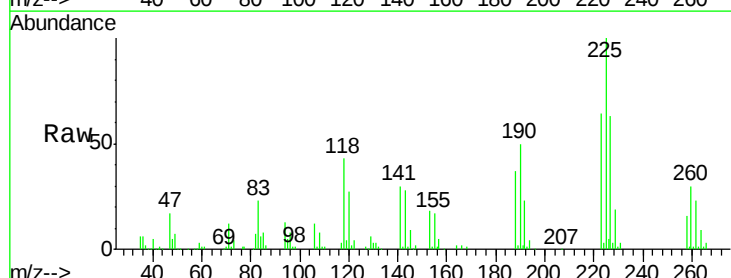
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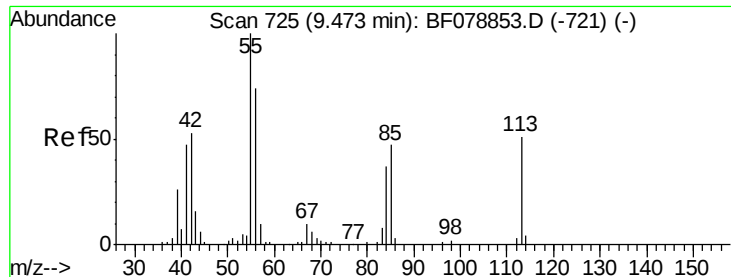
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#34  
Hexachlorobutadiene  
Concen: 36.80 ng  
RT: 8.84 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.9 | 50.6  | 75.8 |       |       |
| 227     | 63.4 | 52.1  | 78.1 |       |       |





#35

Caprolactam

Concen: 39.59 ng/ml

RT: 9.20 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

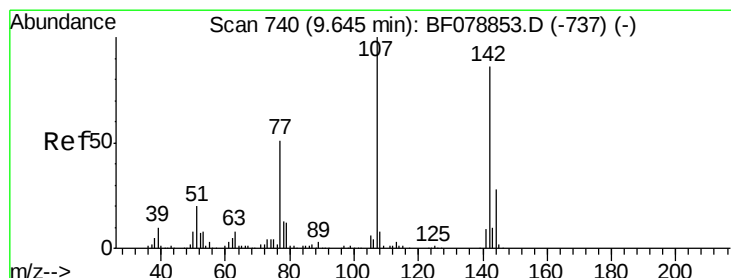
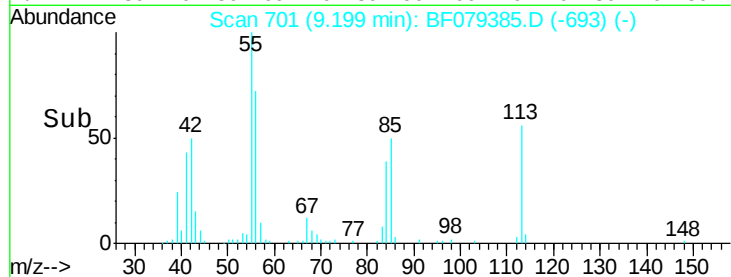
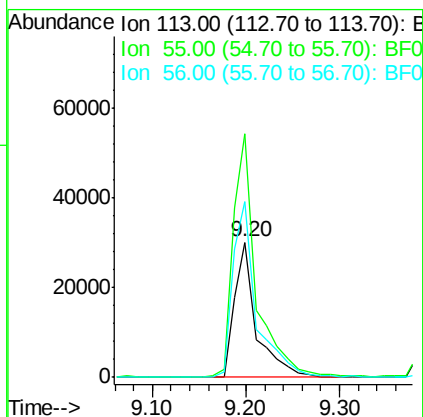
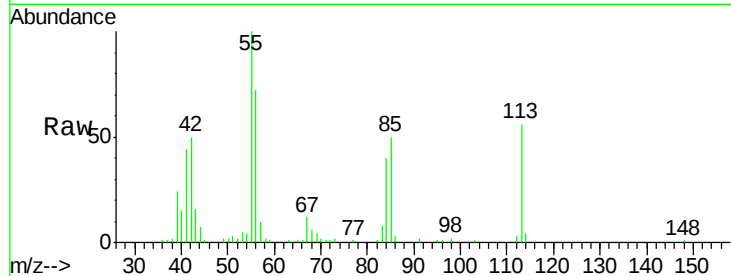
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 48744 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 179.8 | 176.0 | 216.0 |
| 56        | 129.6 | 123.8 | 163.8 |

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#36

4-Chloro-3-methylphenol

Concen: 41.12 ng/ml

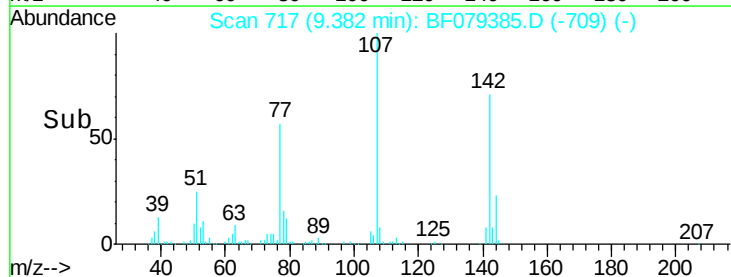
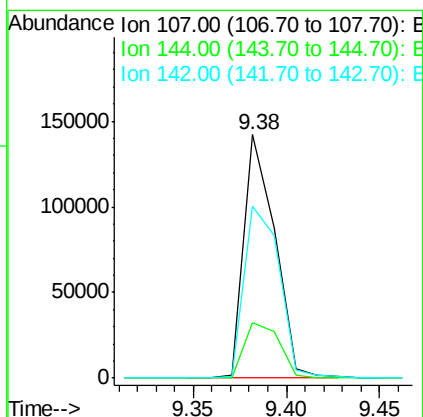
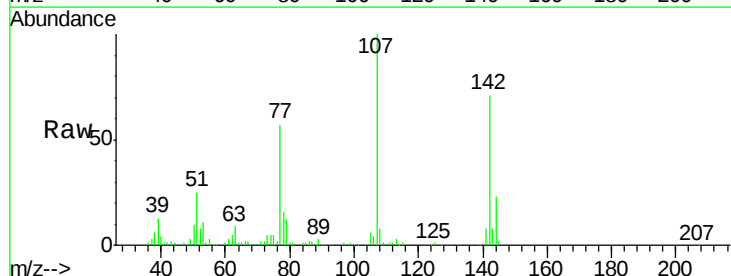
RT: 9.38 min Scan# 717

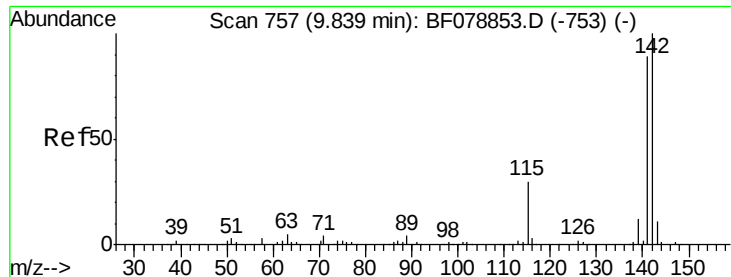
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 164472 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 22.9  | 22.5  | 33.7   |
| 142       | 70.7  | 68.6  | 103.0  |





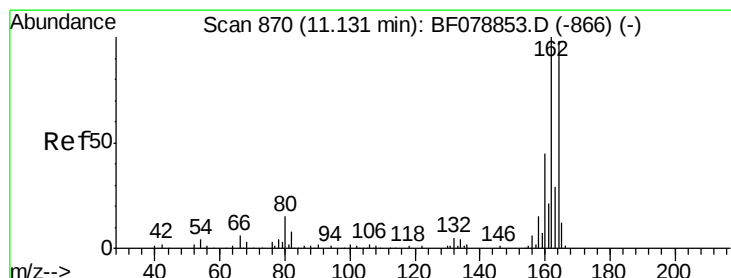
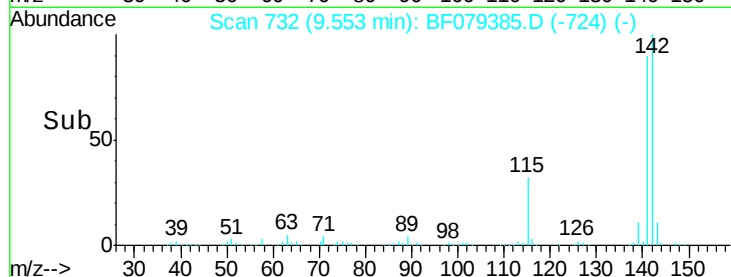
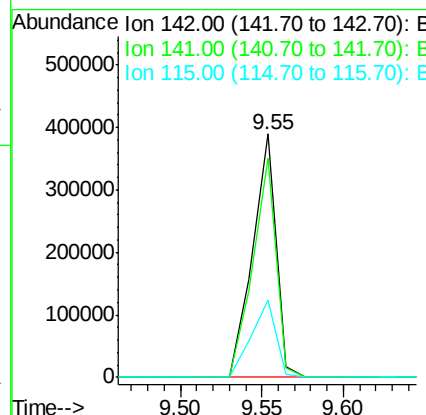
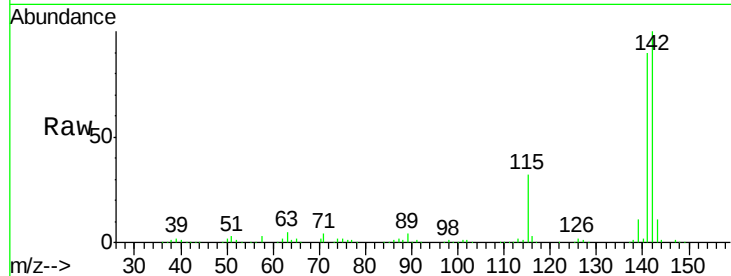
#37  
2-Methylnaphthalene  
Concen: 39.20 ng  
RT: 9.55 min Scan# 732  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 71.6  | 107.4 |
| 115     | 31.7  | 24.2  | 36.4  |

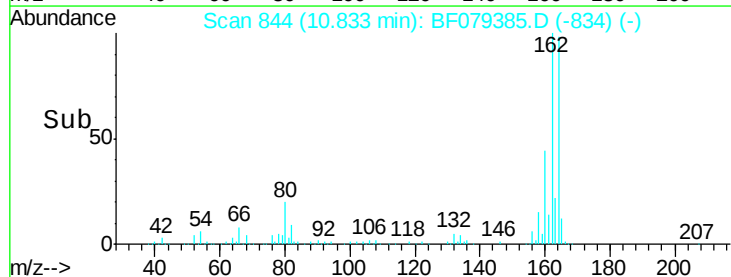
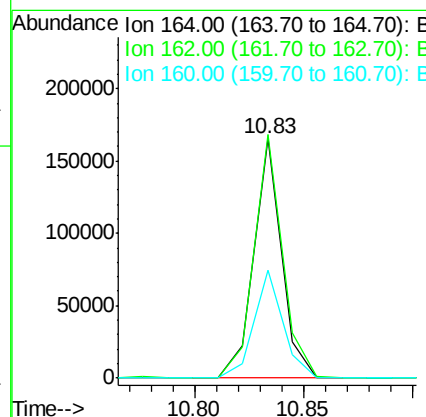
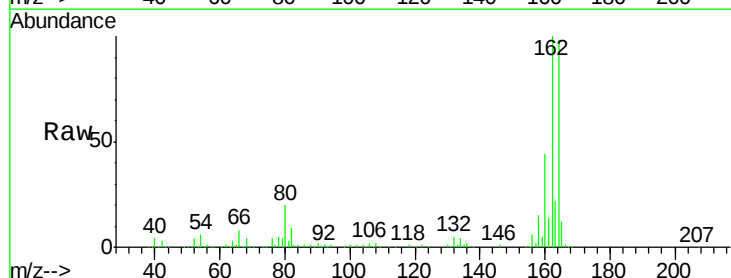
Manual Integrations  
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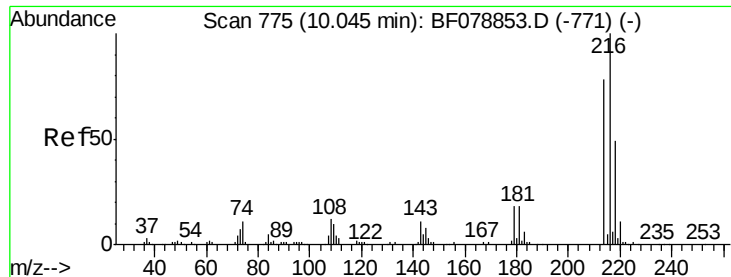
apatel  
5/21/2015 4:27:52 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.83 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.7 | 81.4  | 122.0 |
| 160     | 44.9  | 36.6  | 54.8  |





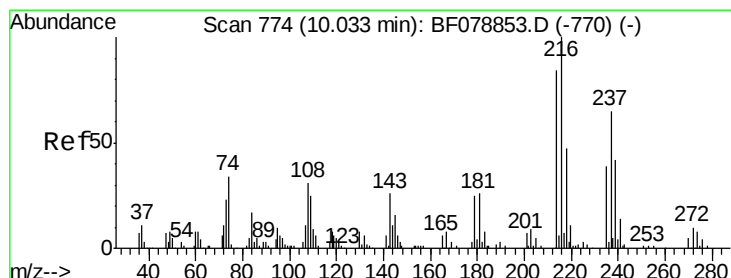
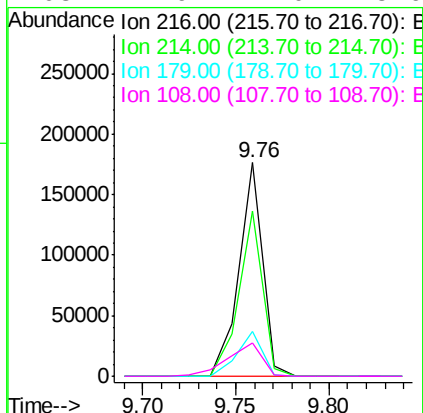
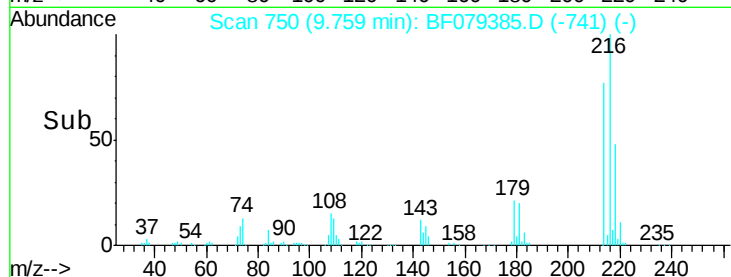
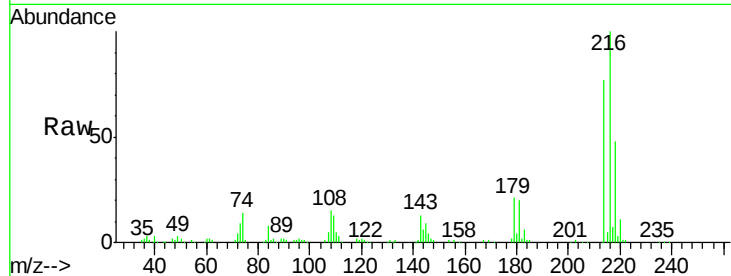
#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.16 ng  
RT: 9.76 min Scan# 750  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 78.1 |       | 64.0 | 96.0  |       |
| 179     | 22.2 |       | 17.0 | 25.4  |       |
| 108     | 22.9 |       | 17.0 | 25.6  |       |

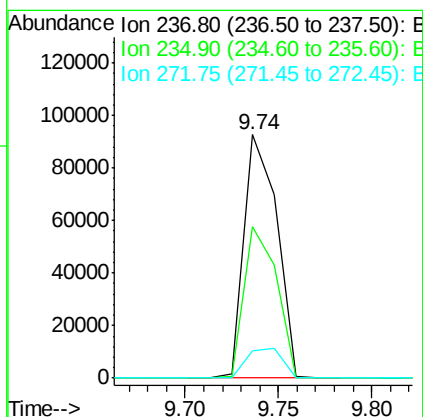
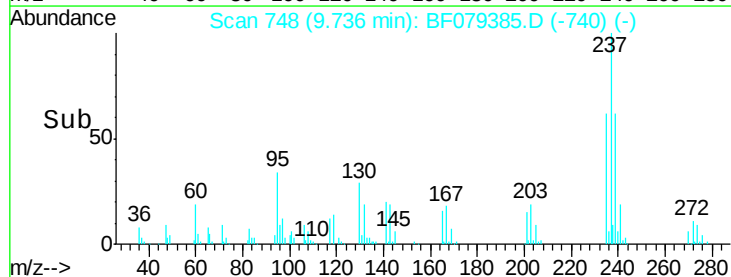
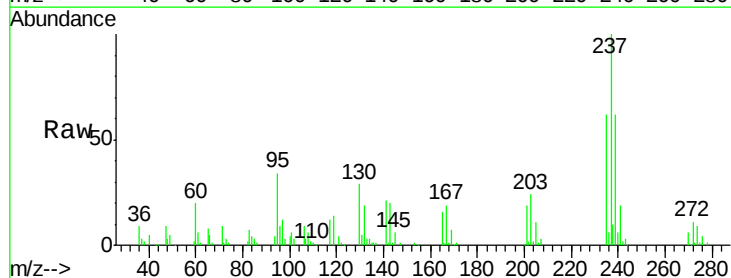
Manual Integrations  
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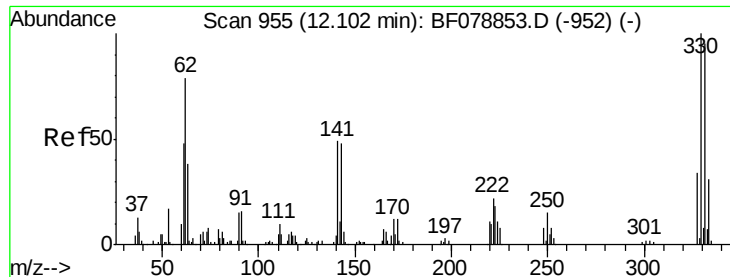
apatel  
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#40  
Hexachlorocyclopentadiene  
Concen: 54.72 ng  
RT: 9.74 min Scan# 748  
Delta R.T. -0.01 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 62.2 |       | 40.0 | 80.0  |       |
| 272     | 11.3 |       | 0.0  | 36.0  |       |





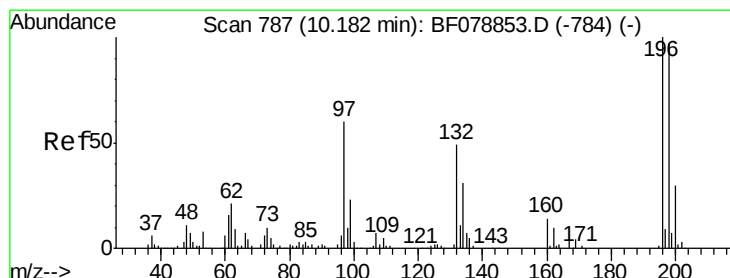
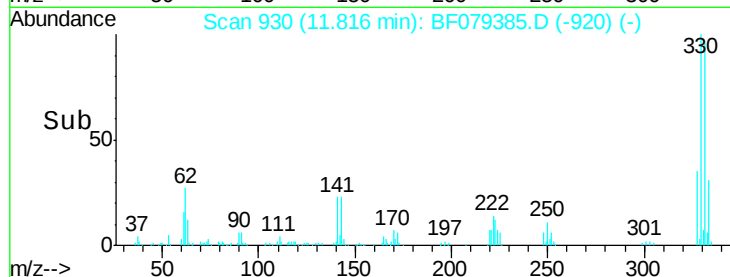
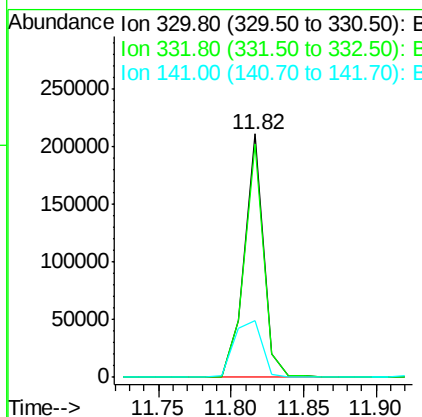
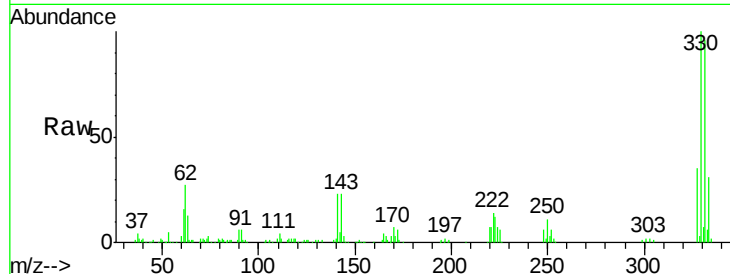
#41  
 2,4,6-Tribromophenol  
 Concen: 124.24 ng  
 RT: 11.82 min Scan# 930  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 195791 |       |       |
| 332     | 96.8  | 76.9   | 115.3 |       |
| 141     | 33.6  | 27.8   | 41.8  |       |

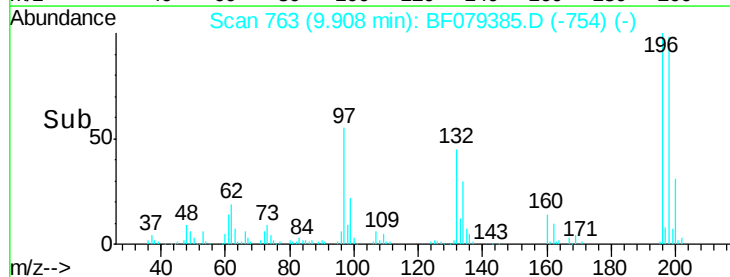
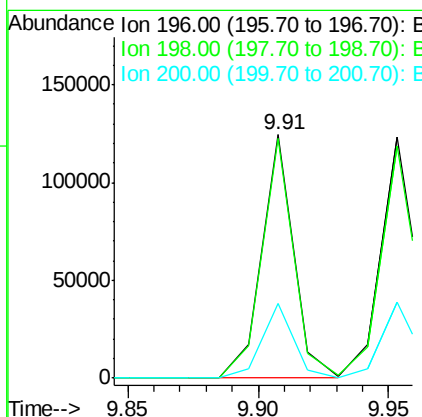
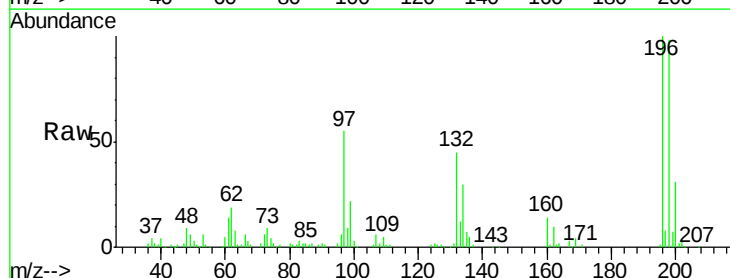
Manual Integrations  
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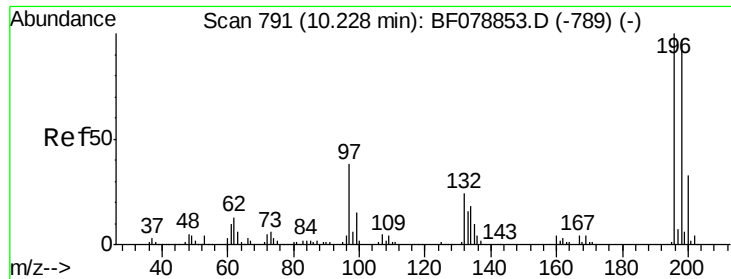
apatel  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 37.90 ng  
 RT: 9.91 min Scan# 763  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 106894 |       |       |
| 198     | 98.4  | 77.4   | 116.2 |       |
| 200     | 30.8  | 23.7   | 35.5  |       |





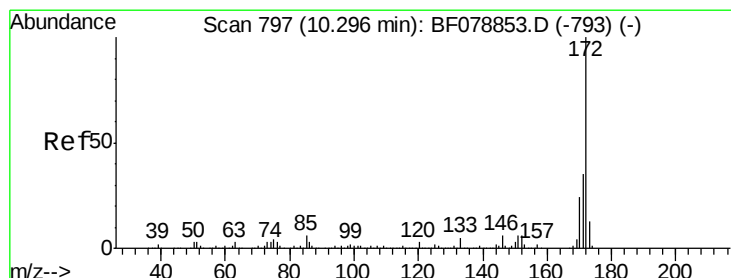
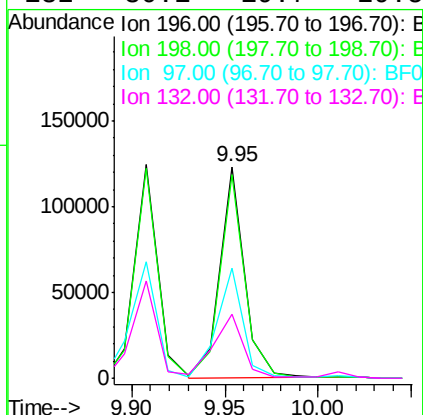
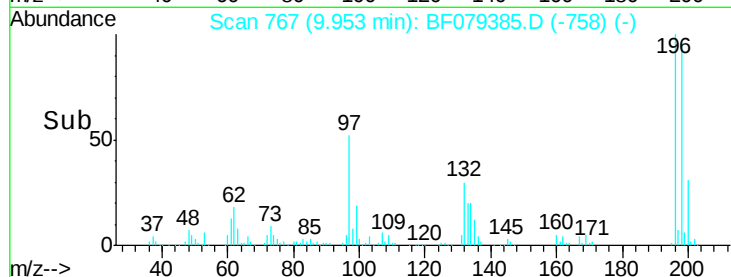
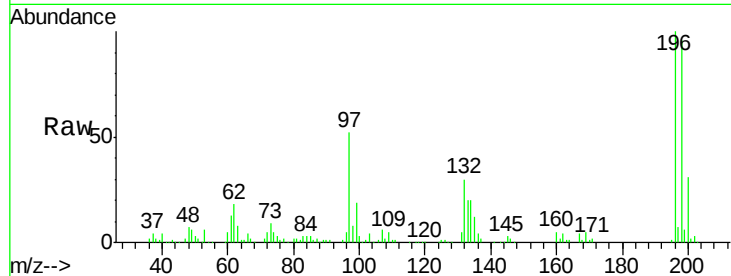
#43  
2,4,5-Trichlorophenol  
Concen: 39.97 ng  
RT: 9.95 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 113963 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.3  | 77.3  | 115.9  |
| 97        | 52.1  | 31.3  | 46.9#  |
| 132       | 30.1  | 19.7  | 29.5#  |

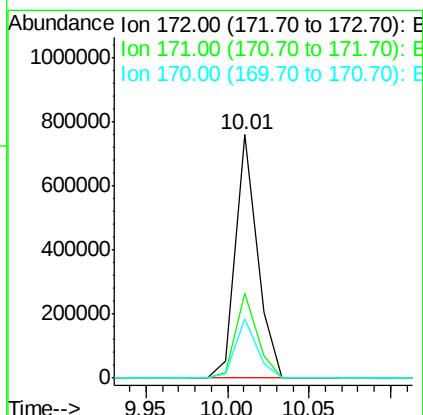
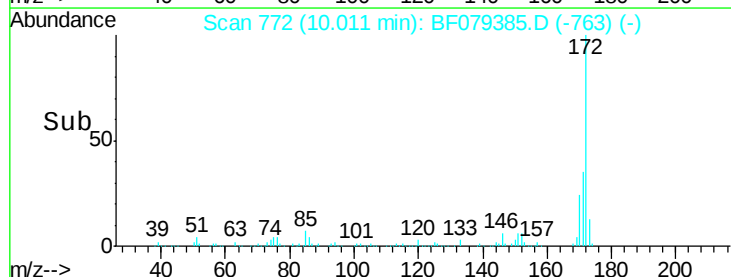
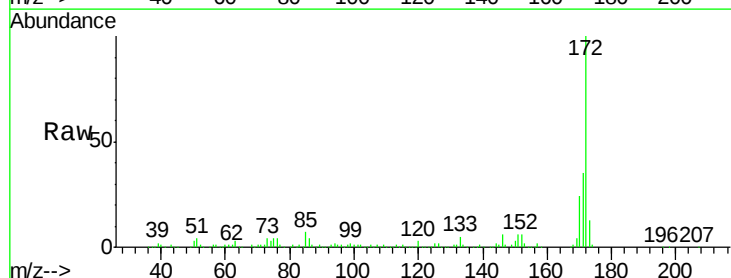
Manual Integrations  
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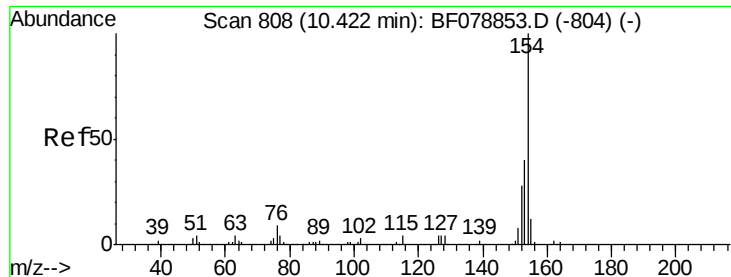
apatel  
5/21/2015 4:27:52 PM



#44  
2-Fluorobiphenyl  
Concen: 67.12 ng  
RT: 10.01 min Scan# 772  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 701784 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.0  | 28.3  | 42.5   |
| 170       | 24.3  | 19.4  | 29.2   |





#45

1,1'-Biphenyl

Concen: 39.76 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

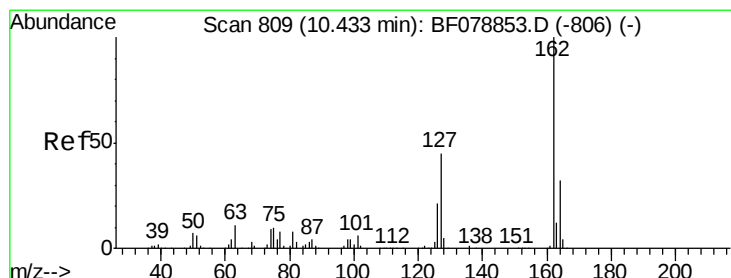
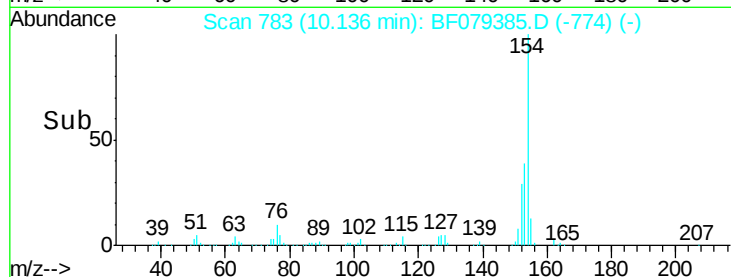
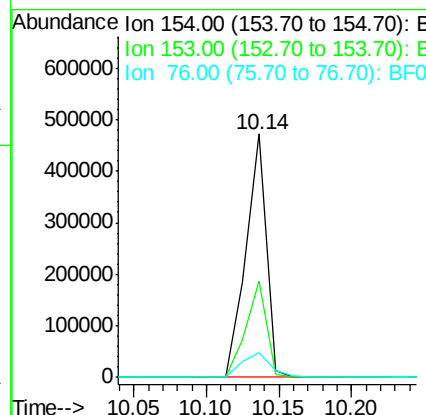
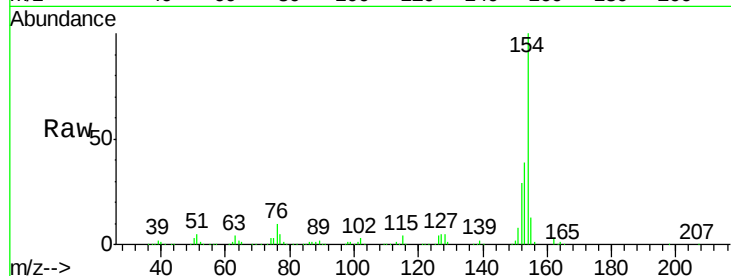
ClientSampleId :

KM-SP-001-150518MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 154  | Resp: | 460460 |
| Ion Ratio |      | Lower | Upper  |
| 154       | 100  |       |        |
| 153       | 39.4 | 19.7  | 59.7   |
| 76        | 10.1 | 0.0   | 29.1   |

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#46

2-Chloronaphthalene

Concen: 37.46 ng

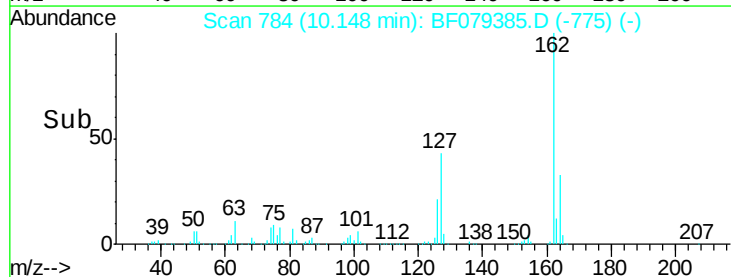
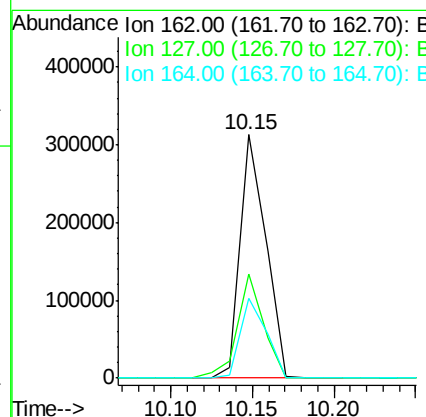
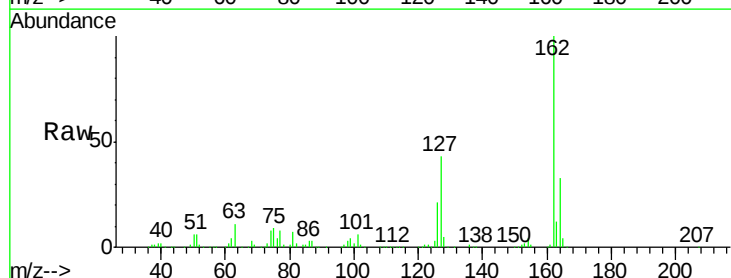
RT: 10.15 min Scan# 784

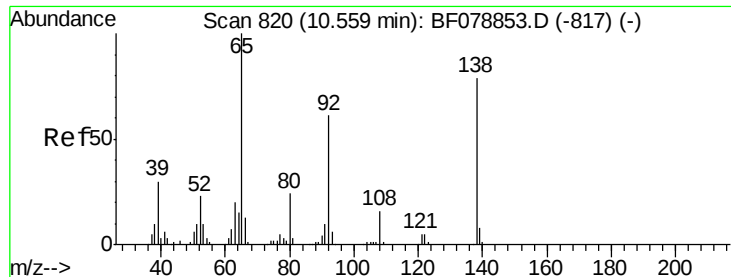
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 162  | Resp: | 338408 |
| Ion Ratio |      | Lower | Upper  |
| 162       | 100  |       |        |
| 127       | 42.8 | 36.3  | 54.5   |
| 164       | 32.9 | 25.9  | 38.9   |





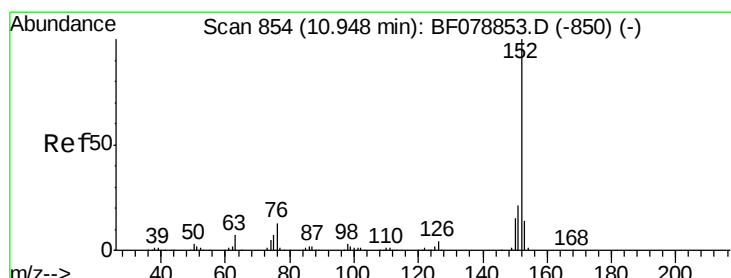
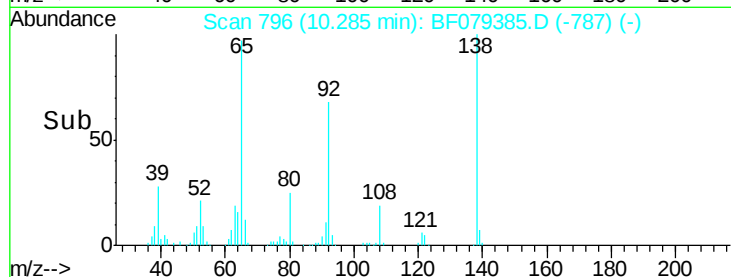
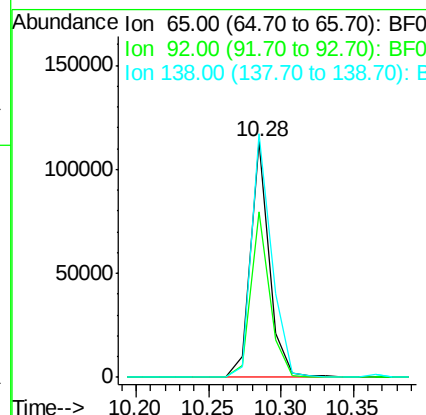
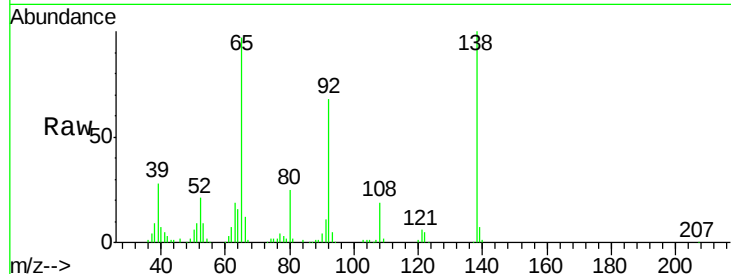
#47  
2-Nitroaniline  
Concen: 39.00 ng  
RT: 10.28 min Scan# 796  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.3  | 49.1  | 73.7  |
| 138     | 103.4 | 63.2  | 94.8  |

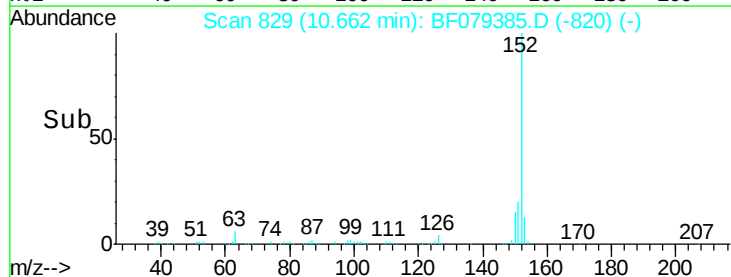
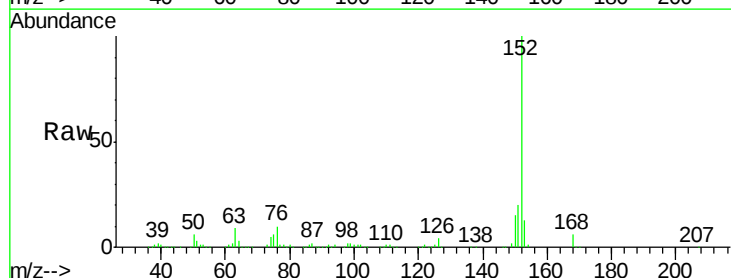
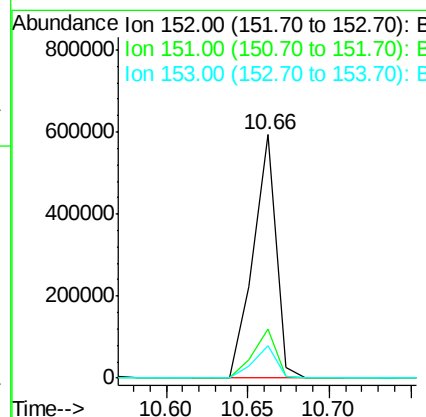
Manual Integrations  
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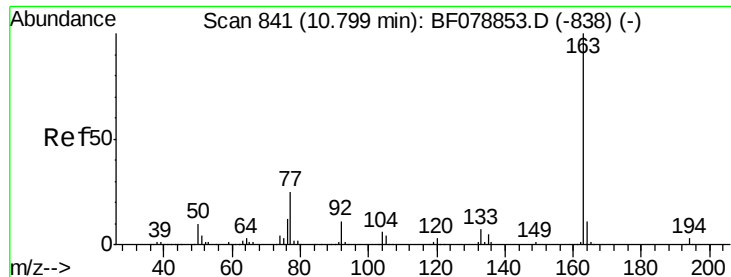
apatel  
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#48  
Acenaphthylene  
Concen: 39.20 ng  
RT: 10.66 min Scan# 829  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 16.6  | 24.8  |
| 153     | 13.1  | 11.0  | 16.6  |





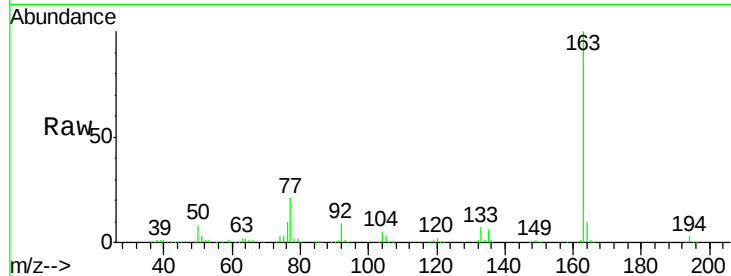
#49  
Dimethylphthalate  
Concen: 43.97 ng  
RT: 10.52 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

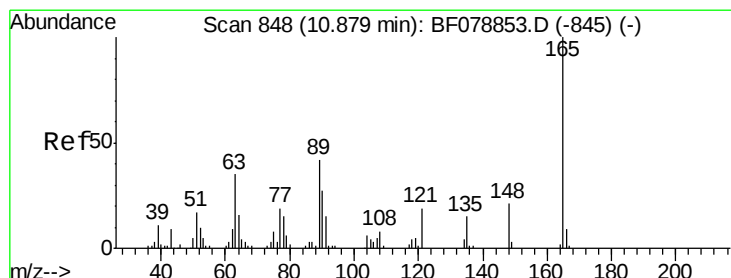
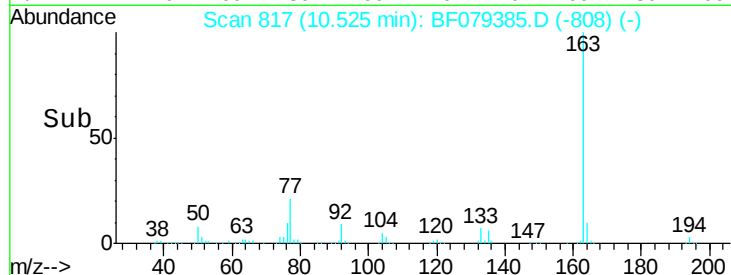
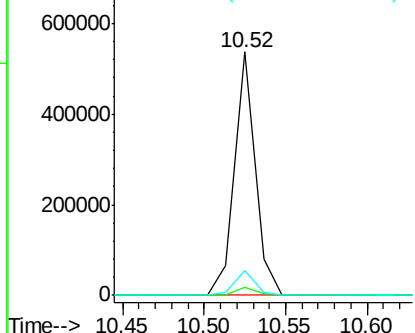
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 470126 |       |       |
| 194     | 3.2   | 2.4    | 3.6   |       |
| 164     | 10.4  | 8.6    | 12.8  |       |

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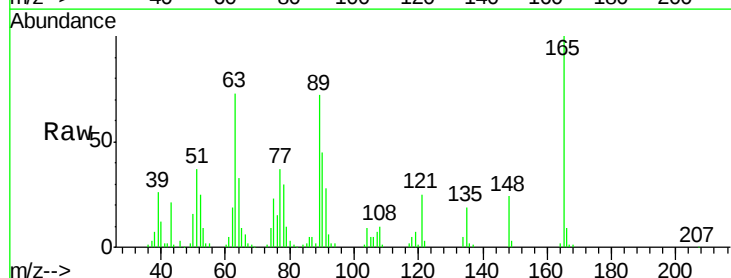


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

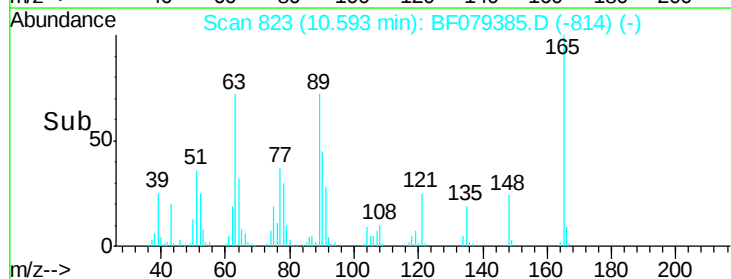
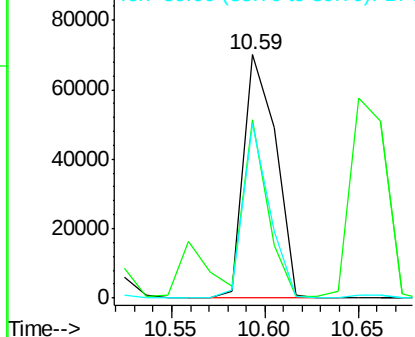


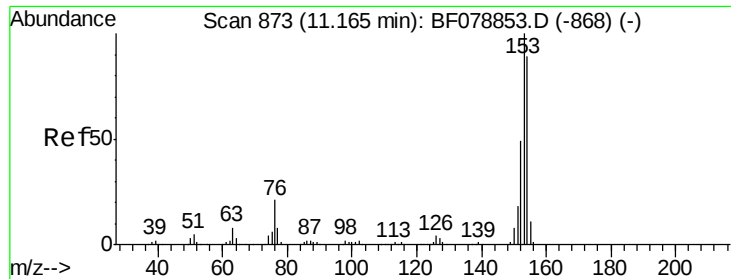
#50  
2,6-Dinitrotoluene  
Concen: 39.54 ng  
RT: 10.59 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 83418 |       |       |
| 63      | 73.4  | 29.2  | 43.8# |       |
| 89      | 71.9  | 33.3  | 49.9# |       |



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





#51

Acenaphthene

Concen: 36.83 ng

RT: 10.88 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

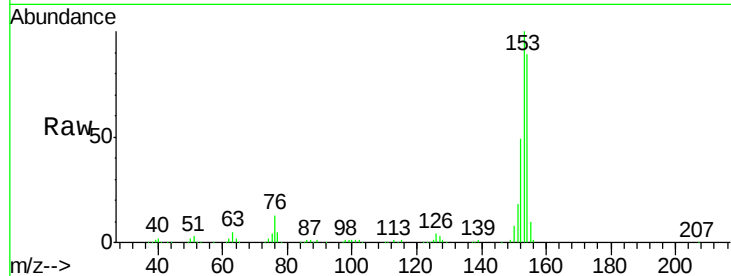
ClientSampleId :

KM-SP-001-150518MSD

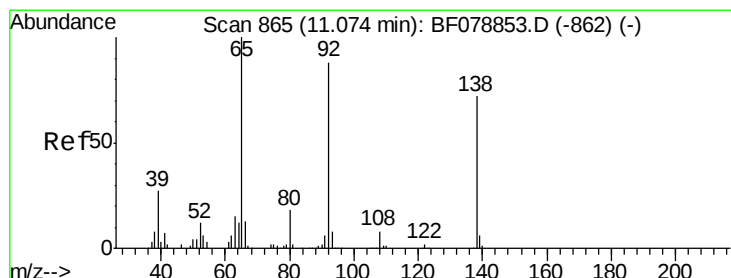
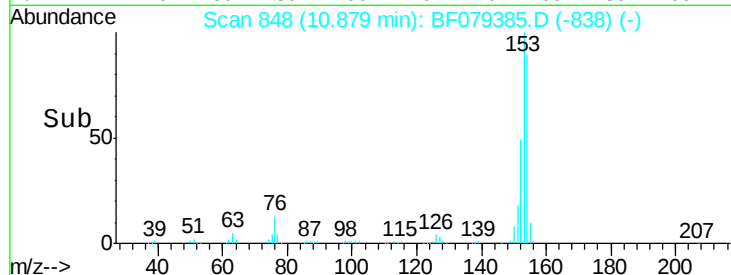
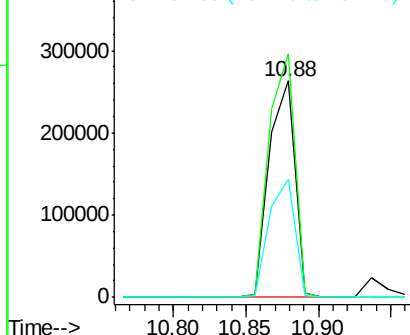
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 325755 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.5 | 90.2  | 135.2  |
| 152       | 54.8  | 43.8  | 65.8   |

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



#52

3-Nitroaniline

Concen: 29.22 ng

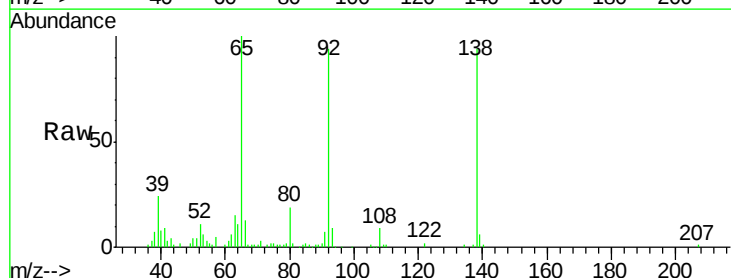
RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

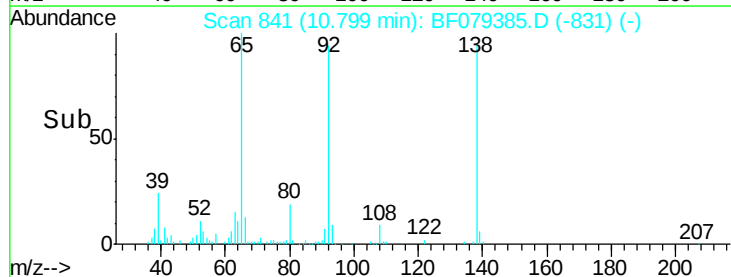
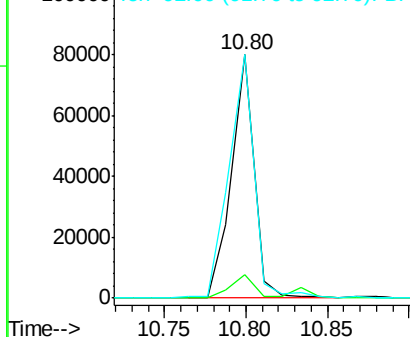
Lab File: BF079385.D

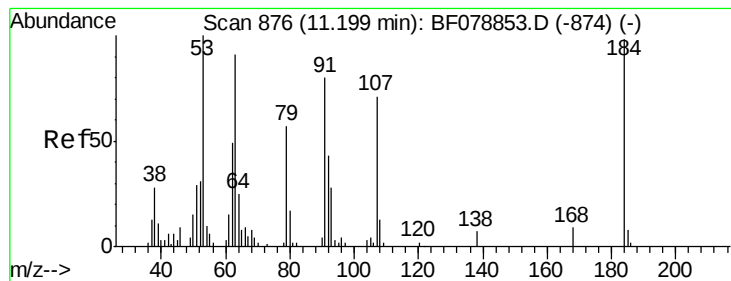
Acq: 20 May 2015 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 77000 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.4   | 8.5   | 12.7  |
| 92        | 100.0 | 97.4  | 146.0 |



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





#53

2,4-Dinitrophenol

Concen: 56.79 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF079385.D

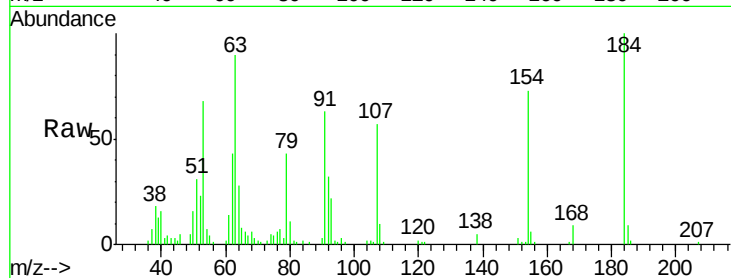
Acq: 20 May 2015 18:31

Instrument :

BNA\_F

ClientSampleId :

KM-SP-001-150518MSD



Tot Ion:184 Resp: 40558

Ion Ratio Lower Upper

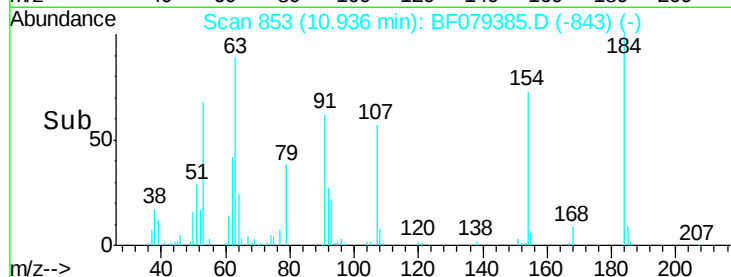
184 100

63 90.1 98.8 148.2#

154 73.1 63.4 95.0

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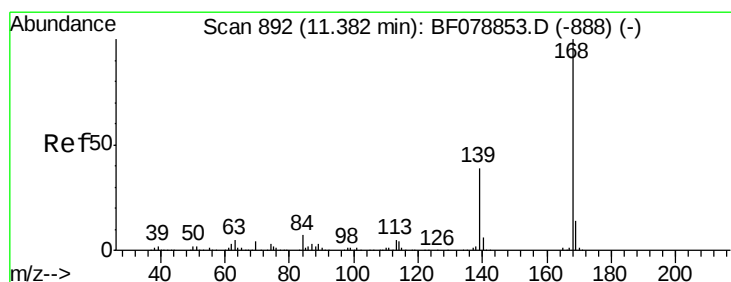
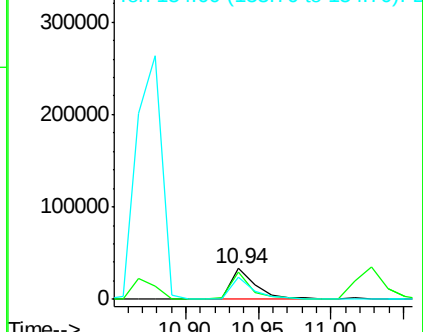
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 38.09 ng

RT: 11.08 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

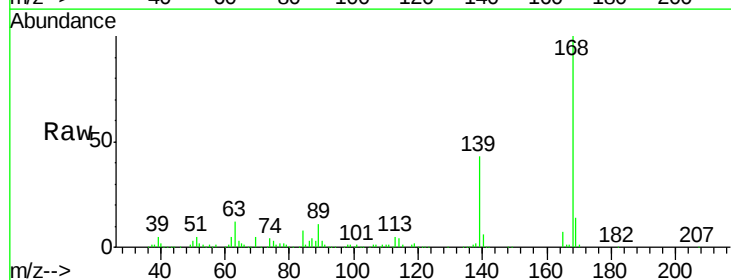
Tgt Ion:168 Resp: 486662

Ion Ratio Lower Upper

168 100

139 42.8 31.5 47.3

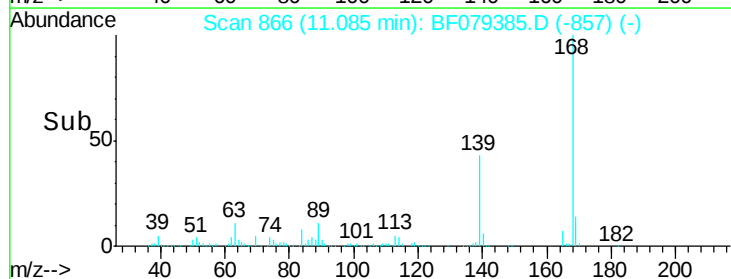
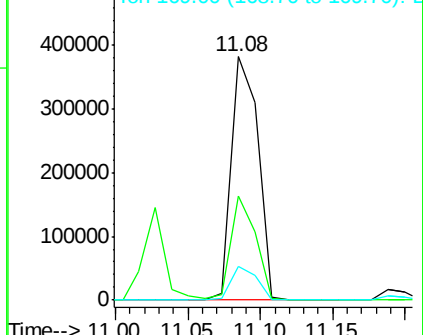
169 14.1 11.0 16.4

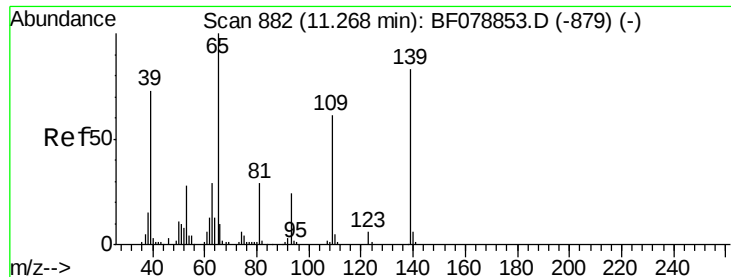


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 71.24 ng

RT: 11.03 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

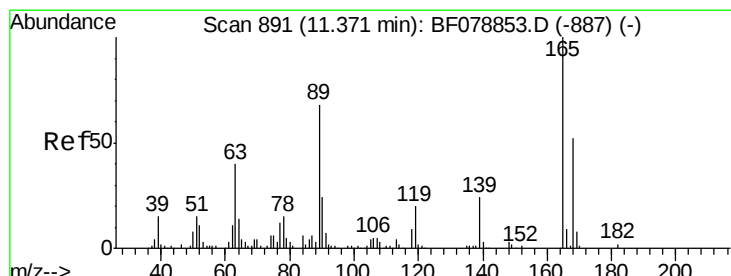
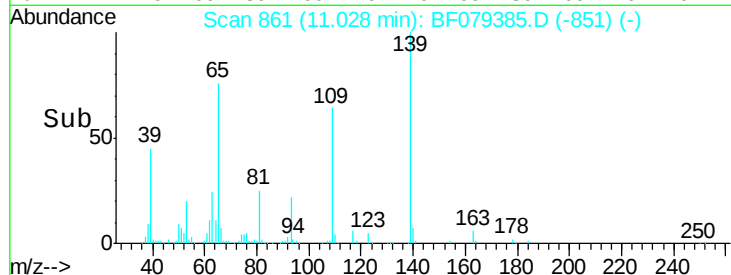
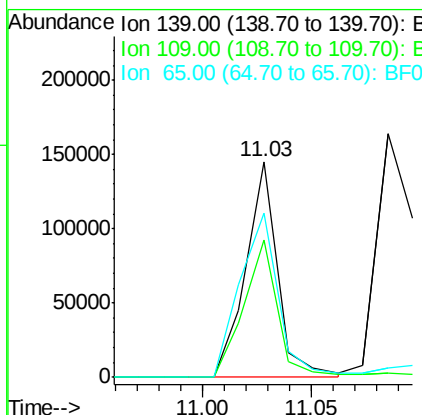
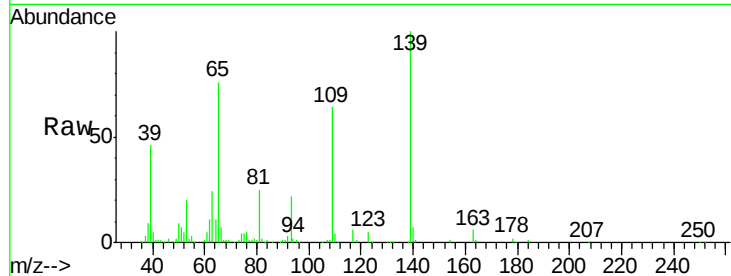
ClientSampleId :

KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 148611 |       |       |
| 109     | 63.8  | 54.4   | 94.4  |       |
| 65      | 76.0  | 101.0  | 141.0 |       |

Manual Integrations  
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#56

2,4-Dinitrotoluene

Concen: 42.67 ng

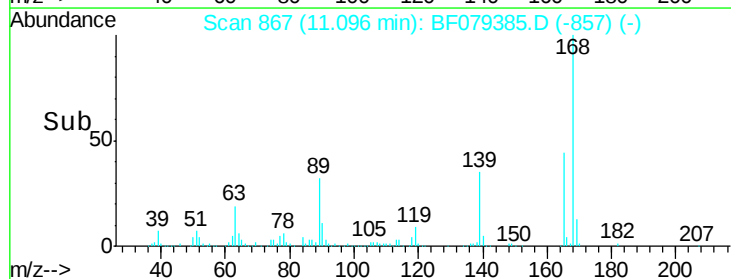
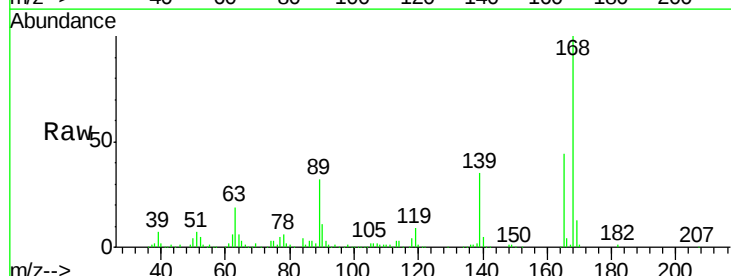
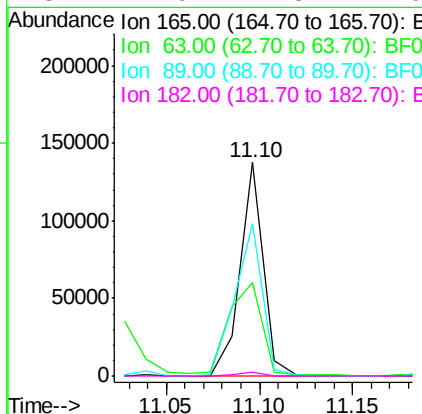
RT: 11.10 min Scan# 867

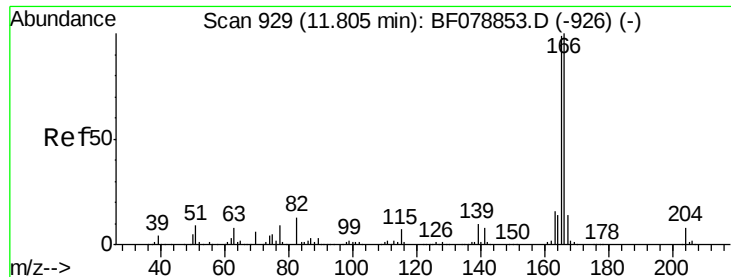
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 119011 |       |       |
| 63      | 43.7  | 32.3   | 48.5  |       |
| 89      | 71.1  | 54.6   | 81.8  |       |
| 182     | 2.0   | 1.8    | 2.6   |       |





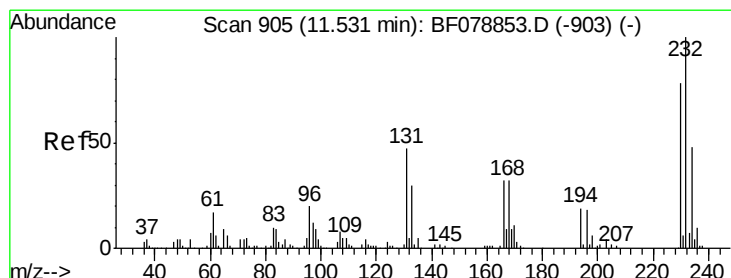
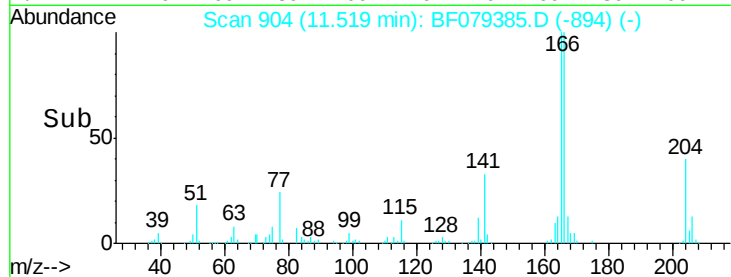
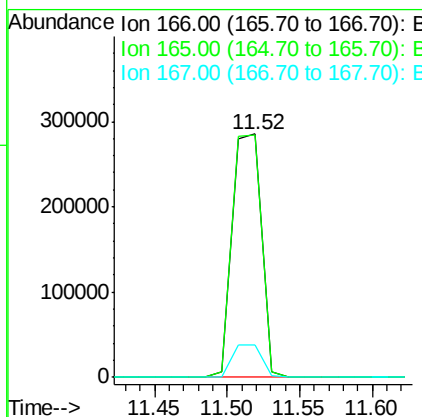
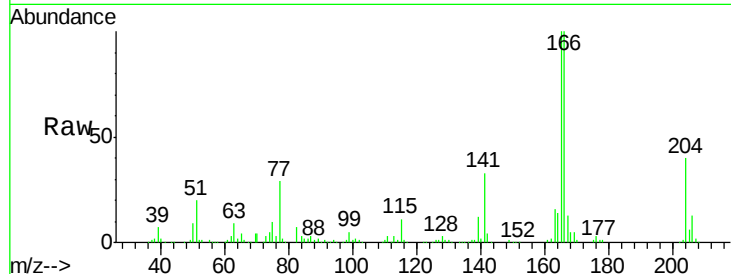
#57  
 Fluorene  
 Concen: 37.97 ng  
 RT: 11.52 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 398122 |       |       |
| 165     | 99.7  | 79.5   | 119.3 |       |
| 167     | 13.1  | 11.0   | 16.6  |       |

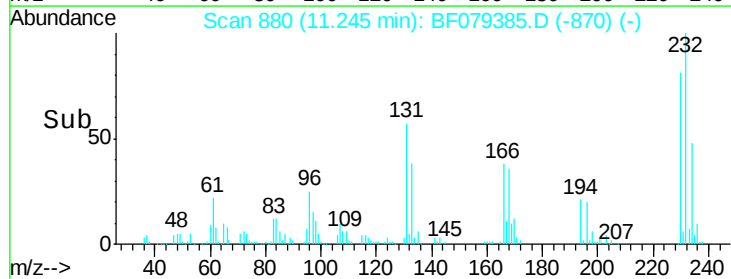
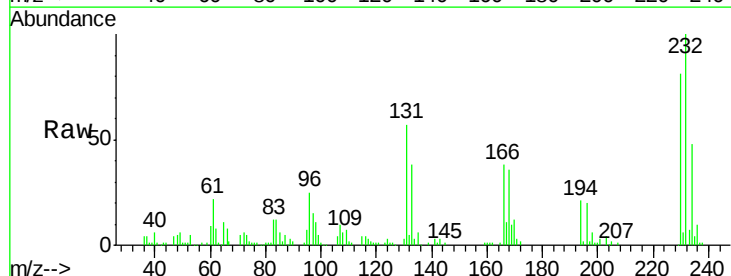
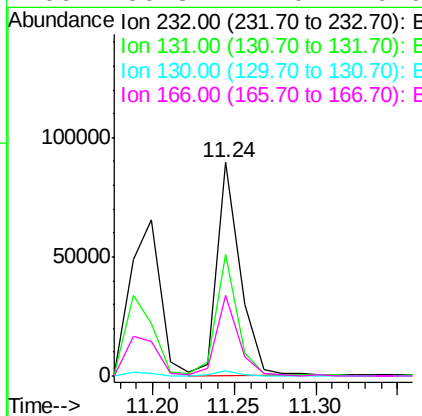
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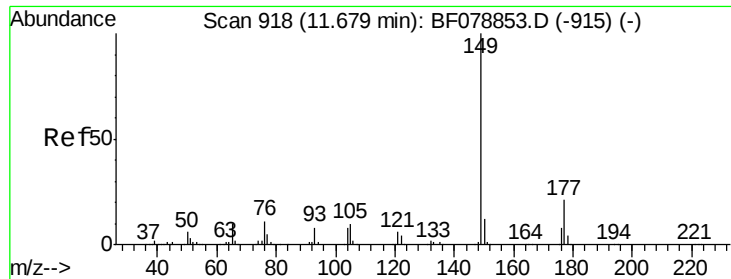
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 37.47 ng  
 RT: 11.24 min Scan# 880  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 87314 |       |       |
| 131     | 53.5  | 41.9  | 62.9  |       |
| 130     | 2.5   | 1.9   | 2.9   |       |
| 166     | 36.3  | 27.0  | 40.6  |       |





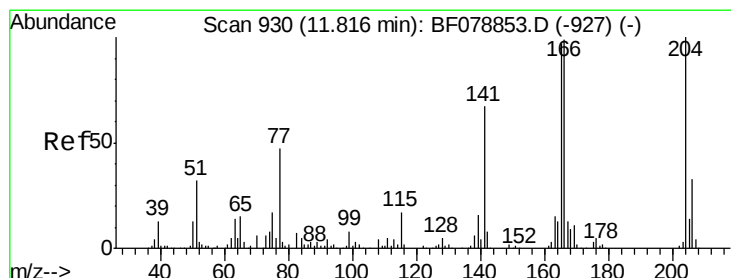
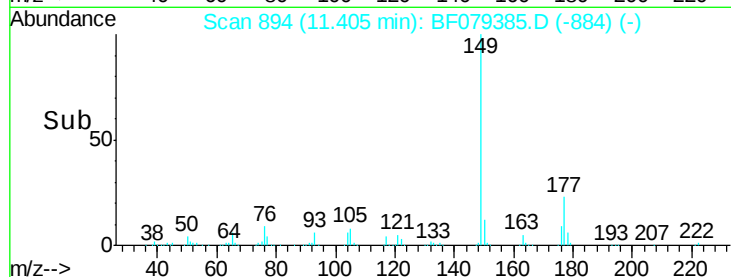
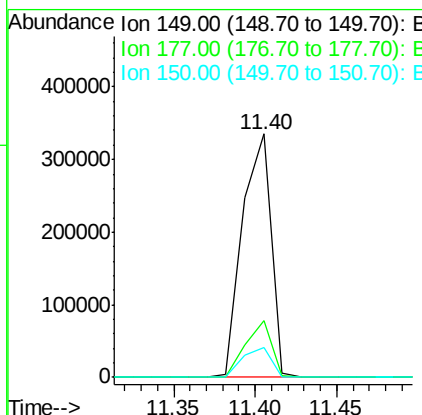
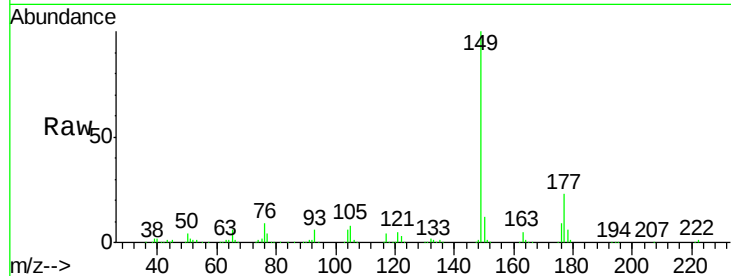
#59  
Diethylphthalate  
Concen: 38.50 ng  
RT: 11.40 min Scan# 894  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.1  | 16.4  | 24.6  |
| 150     | 12.0  | 9.8   | 14.6  |

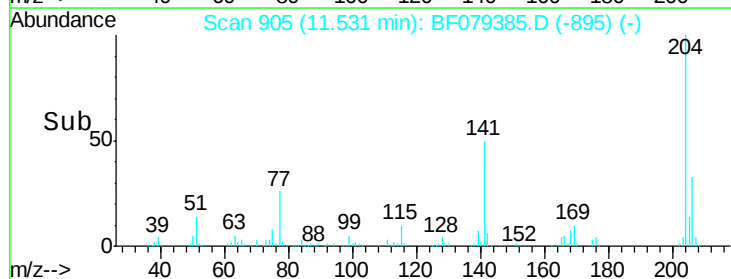
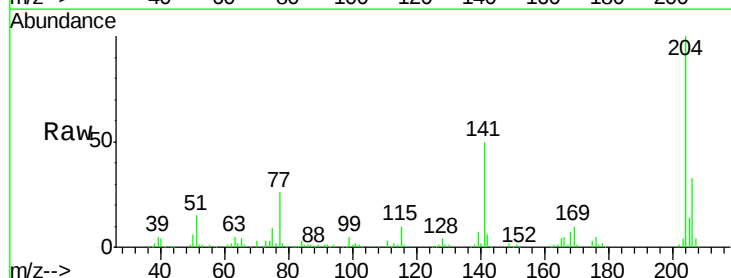
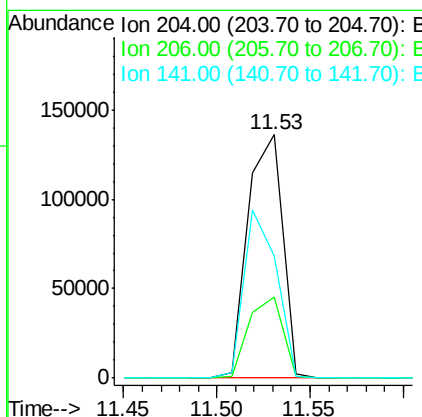
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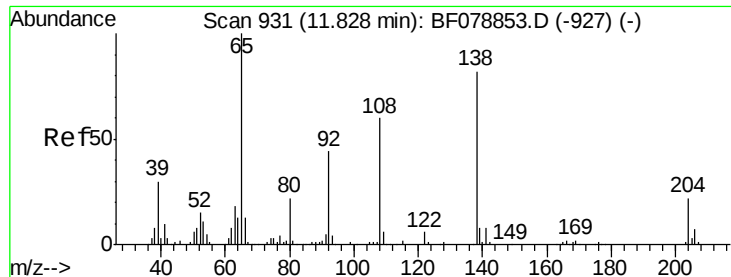
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#60  
4-Chlorophenyl-phenylether  
Concen: 37.75 ng  
RT: 11.53 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.2  | 39.4  |
| 141     | 50.2  | 53.6  | 80.4# |





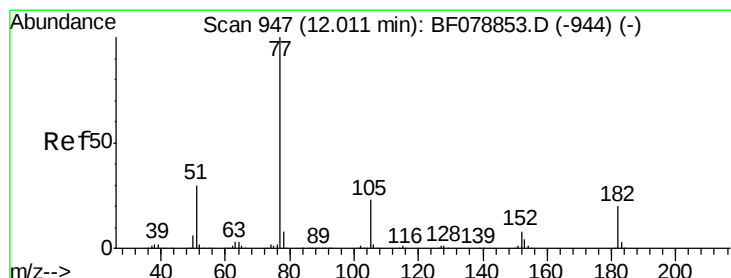
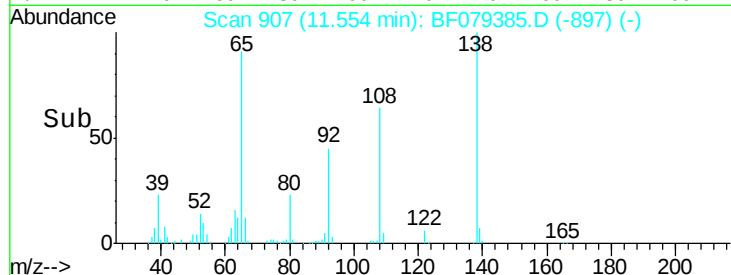
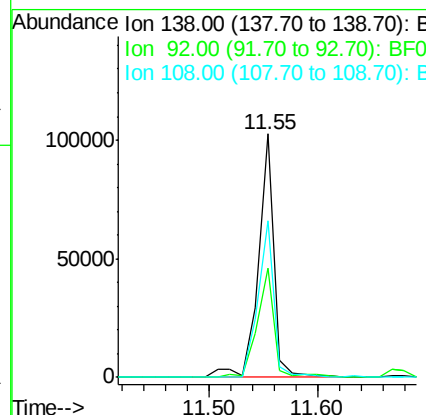
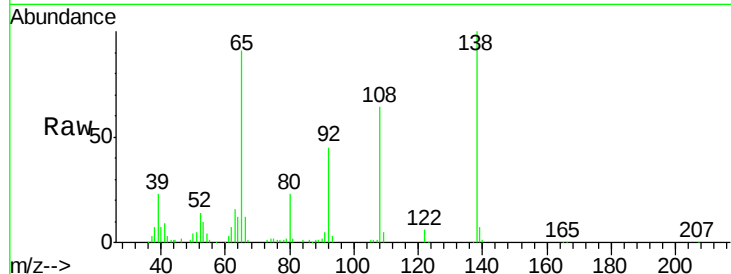
#61  
4-Nitroaniline  
Concen: 39.27 ng  
RT: 11.55 min Scan# 907  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 103547 |       |       |
| 92      | 44.7  | 33.7   | 73.7  |       |
| 108     | 64.3  | 53.4   | 93.4  |       |

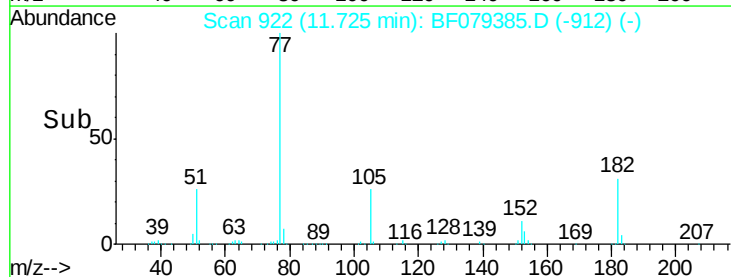
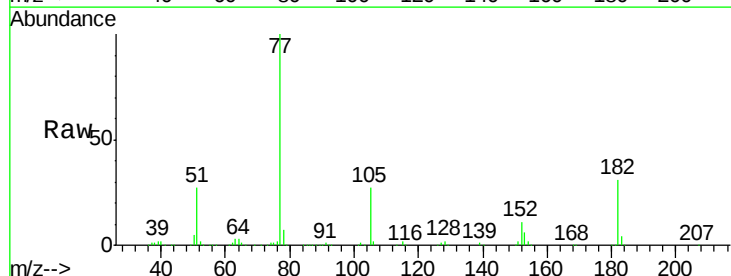
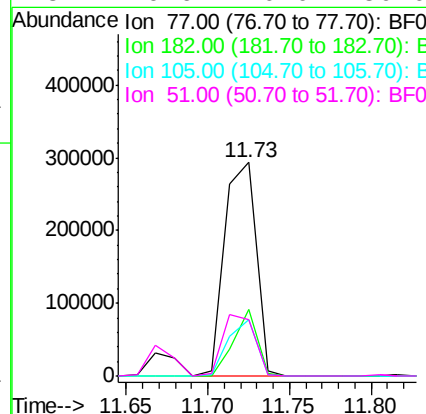
Manual Integrations  
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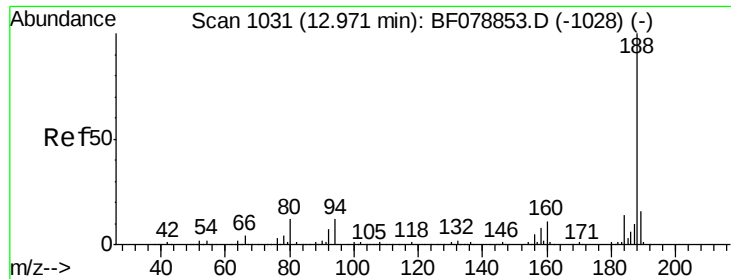
apatel  
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#62  
Azobenzene  
Concen: 37.40 ng  
RT: 11.73 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 390342 |       |       |
| 182     | 31.2  | 0.0    | 40.0  |       |
| 105     | 26.5  | 2.9    | 42.9  |       |
| 51      | 26.6  | 10.0   | 50.0  |       |





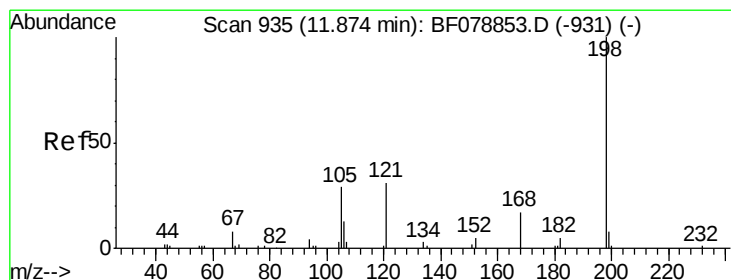
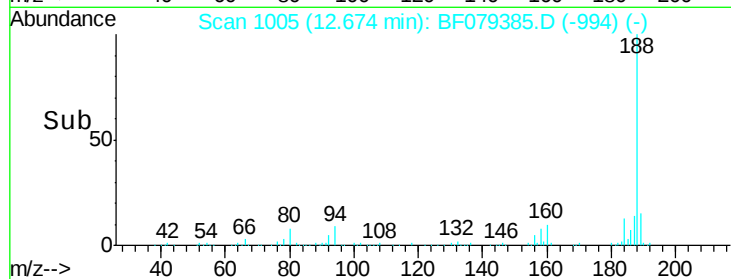
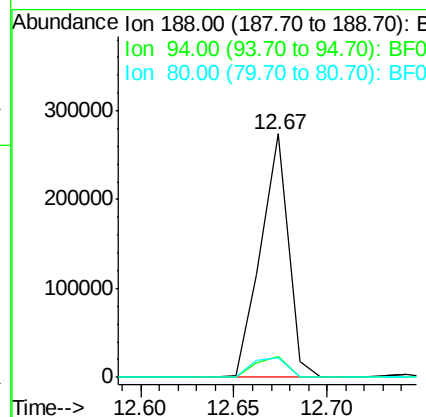
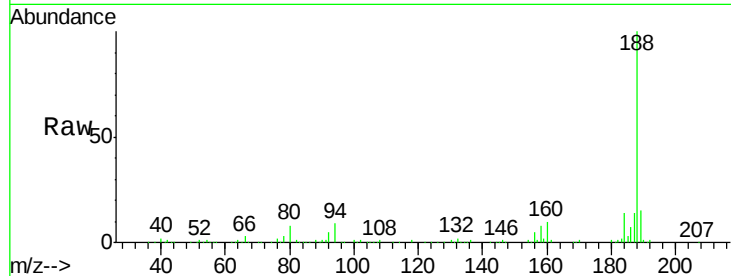
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.67 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 8.5   | 9.4        | 14.0# |
| 80      | 8.2   | 9.8        | 14.6# |

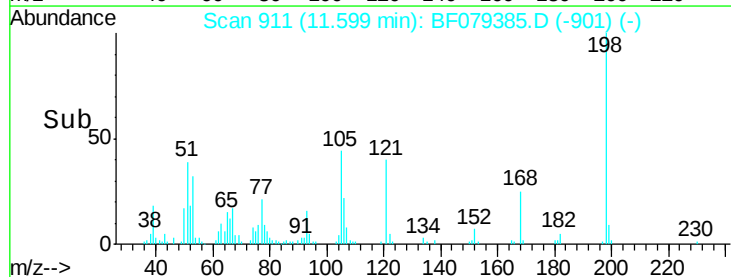
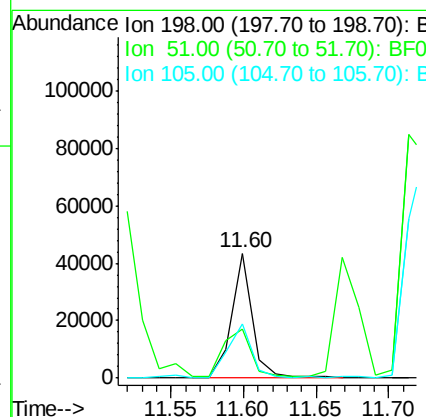
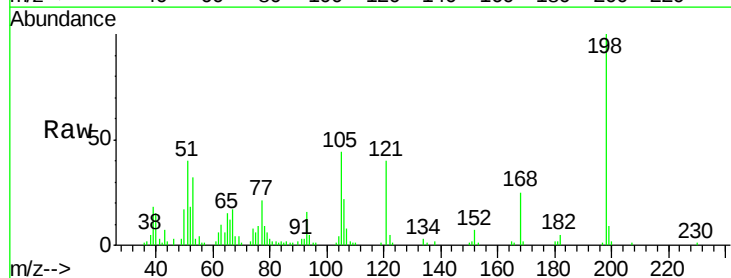
Manual Integrations  
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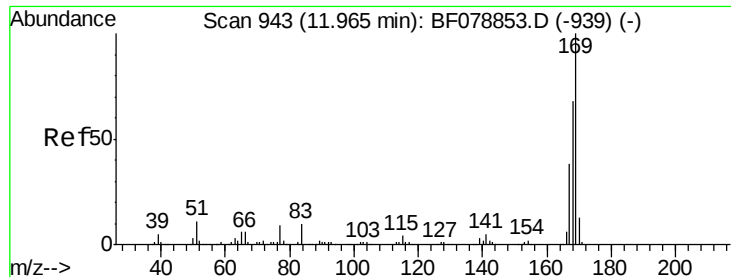
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 39.58 ng  
RT: 11.60 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 39.7  | 7.0        | 47.0  |
| 105     | 43.8  | 13.7       | 53.7  |





#65

n-Nitrosodiphenylamine

Concen: 37.15 ng

RT: 11.68 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

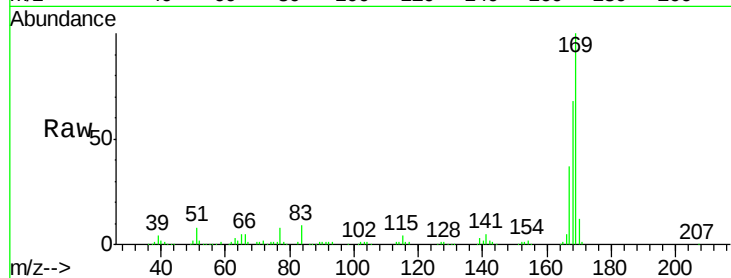
ClientSampleId :

KM-SP-001-150518MSD

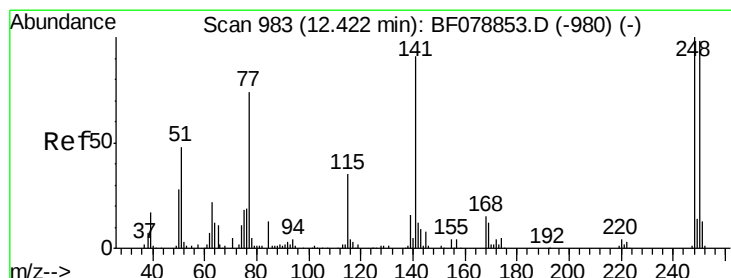
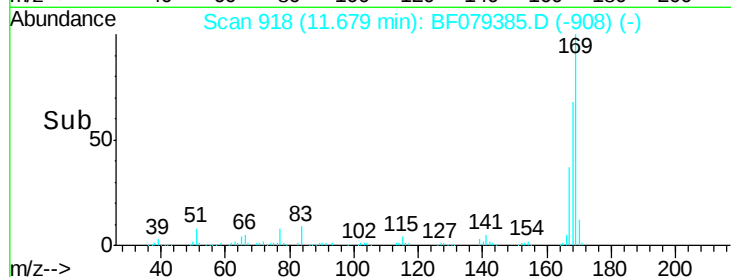
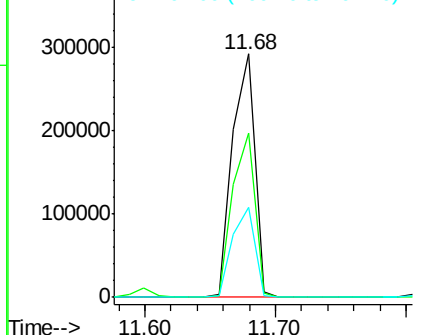
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 347098 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.7  | 54.1  | 81.1   |
| 167       | 37.2  | 30.1  | 45.1   |

Manual Integrations  
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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: 37.03 ng

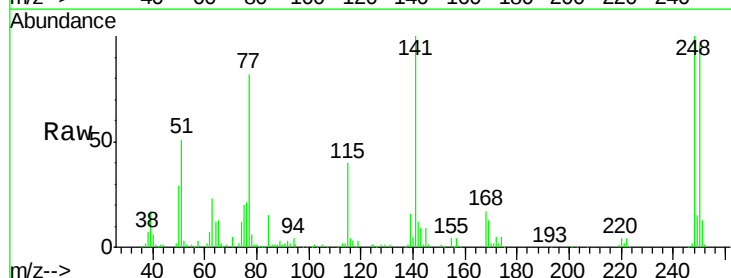
RT: 12.13 min Scan# 957

Delta R.T. -0.00 min

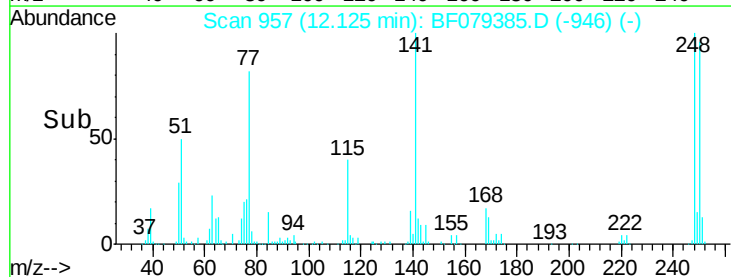
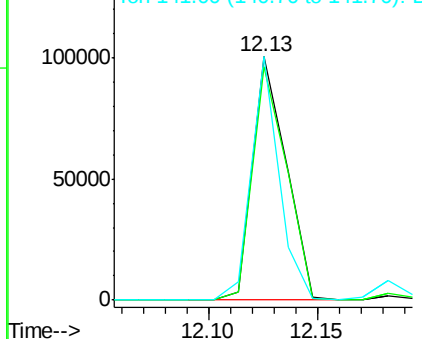
Lab File: BF079385.D

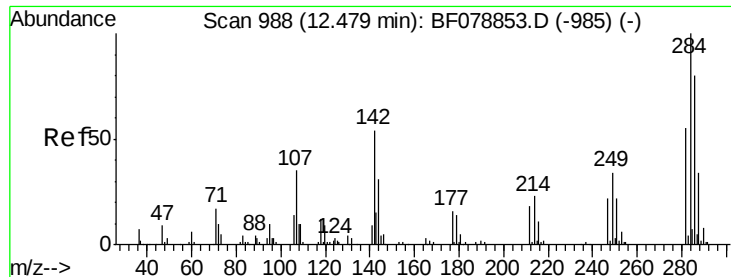
Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 108300 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.2  | 78.0  | 117.0  |
| 141       | 100.1 | 72.6  | 109.0  |



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





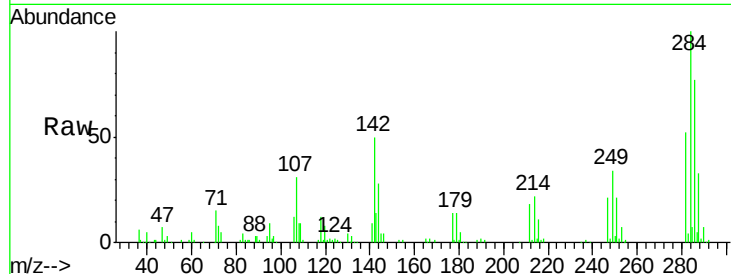
#67  
Hexachlorobenzene  
Concen: 37.02 ng  
RT: 12.18 min Scan# 962  
Delta R.T. -0.01 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

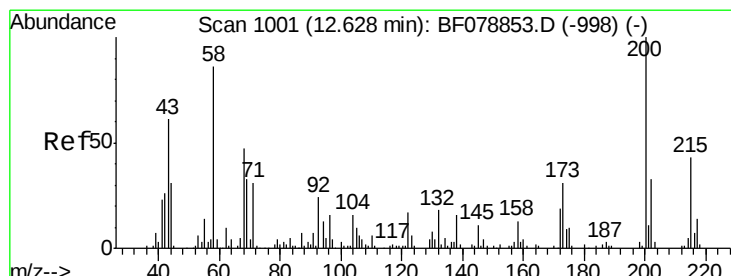
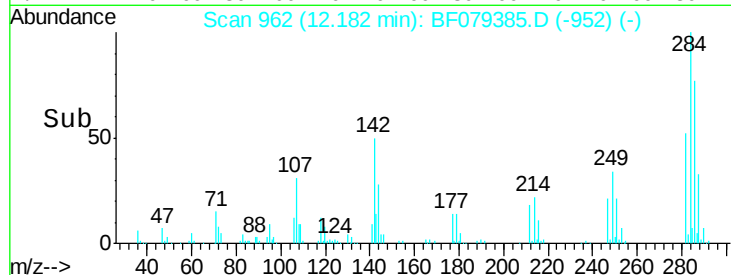
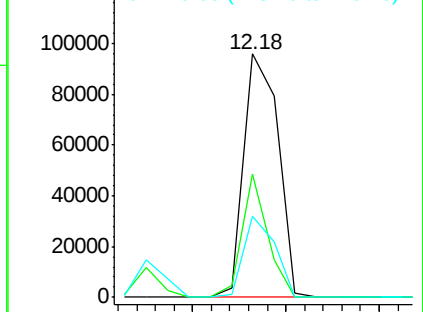
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 123721 |       |       |
| 142     | 50.4  | 43.2   | 64.8  |       |
| 249     | 33.6  | 27.5   | 41.3  |       |

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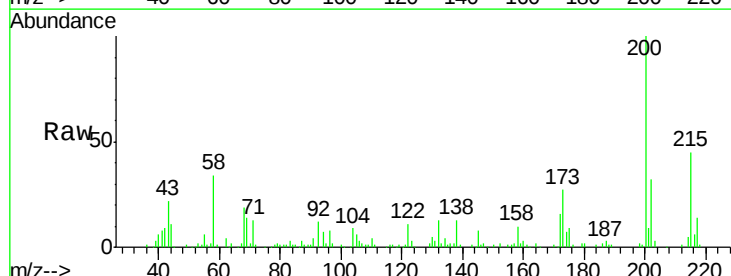


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

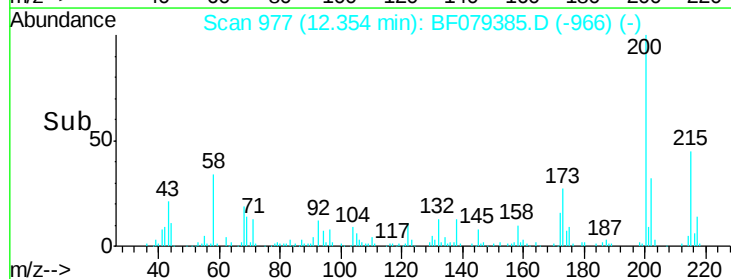
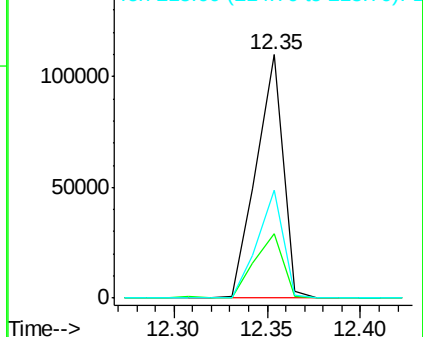


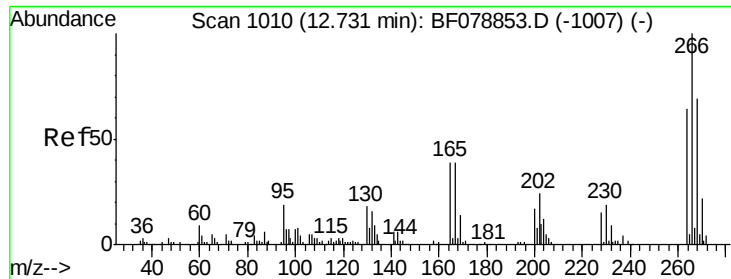
#68  
Atrazine  
Concen: 41.17 ng  
RT: 12.35 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 111852 |       |       |
| 173     | 26.6  | 10.9   | 50.9  |       |
| 215     | 44.5  | 23.2   | 63.2  |       |



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





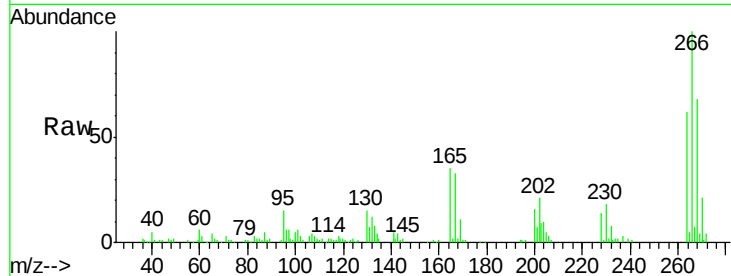
#69  
 Pentachlorophenol  
 Concen: 60.62 ng  
 RT: 12.45 min Scan# 985  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

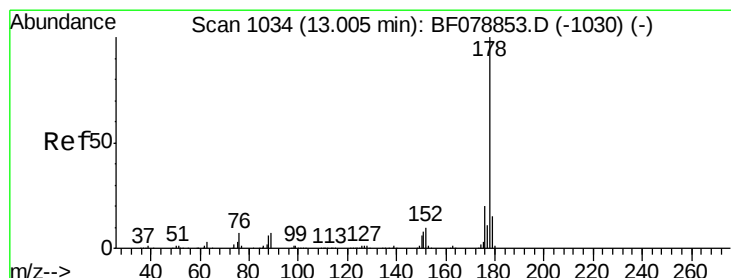
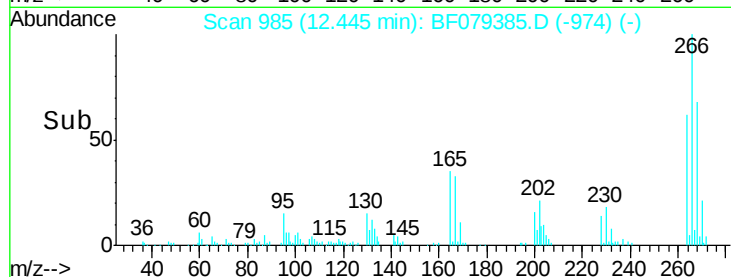
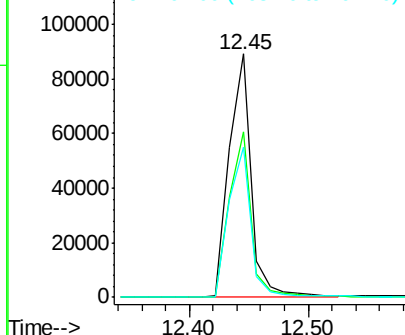
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 114994 |       |       |
| 268     | 68.1  | 55.0   | 82.6  |       |
| 264     | 61.5  | 50.9   | 76.3  |       |

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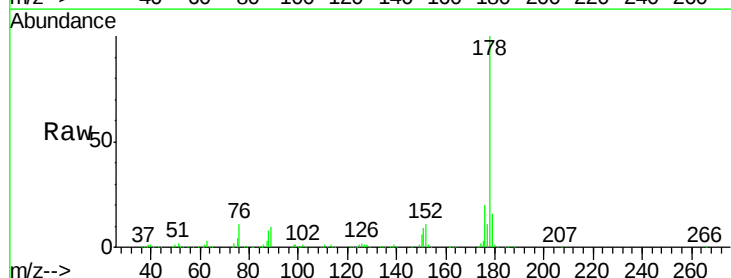


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

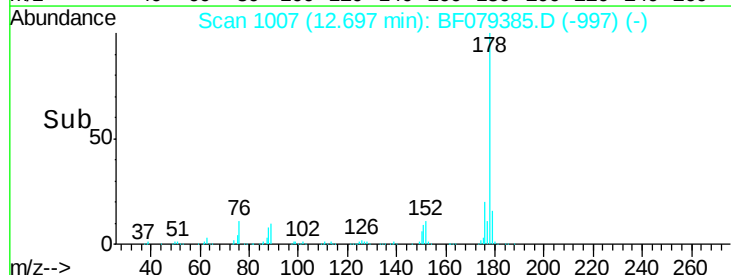
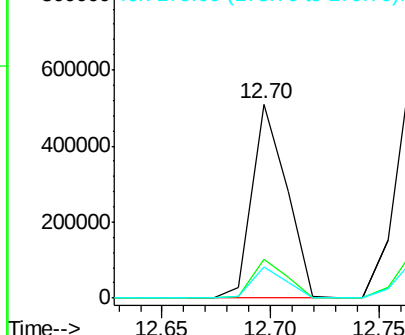


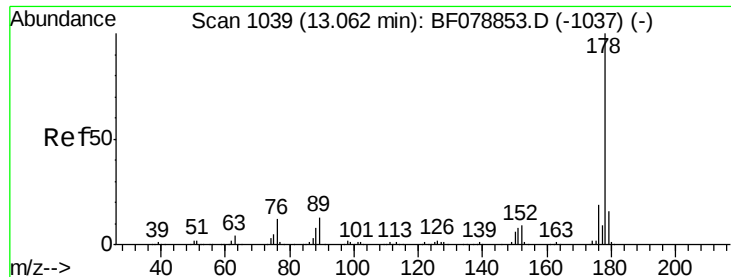
#70  
 Phenanthrene  
 Concen: 36.03 ng  
 RT: 12.70 min Scan# 1007  
 Delta R.T. -0.01 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 565439 |       |       |
| 176     | 19.9  | 15.9   | 23.9  |       |
| 179     | 15.9  | 12.2   | 18.4  |       |



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





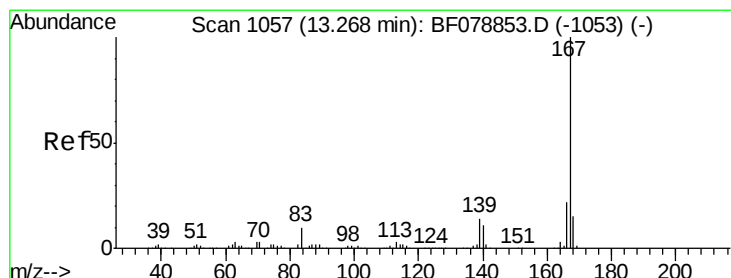
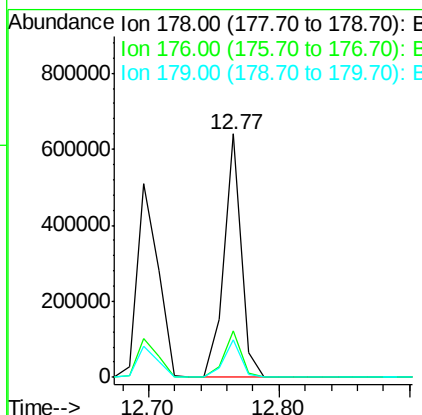
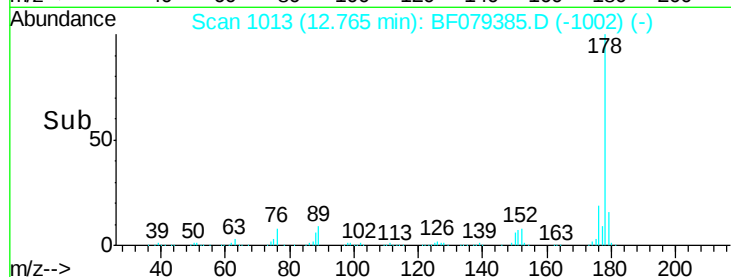
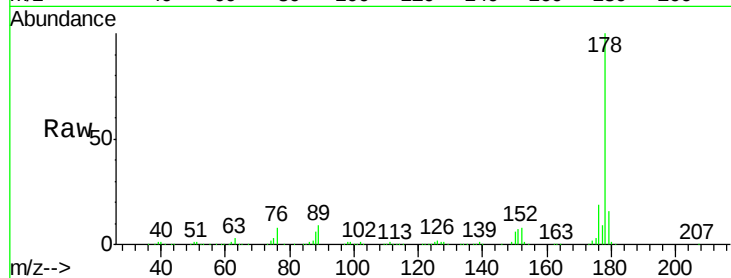
#71  
 Anthracene  
 Concen: 38.39 ng  
 RT: 12.77 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.3  | 22.9  |
| 179     | 15.5  | 12.6  | 19.0  |

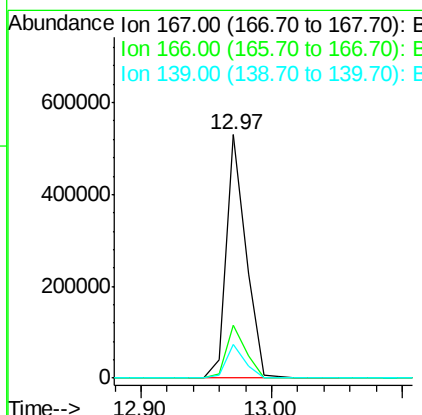
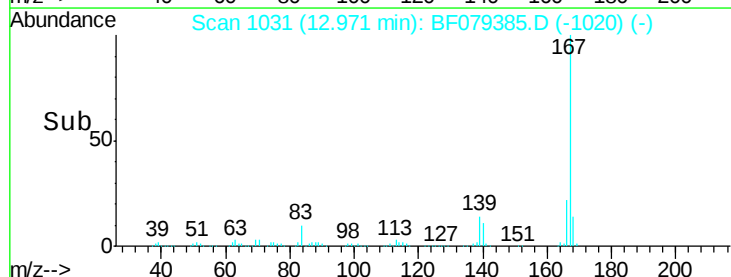
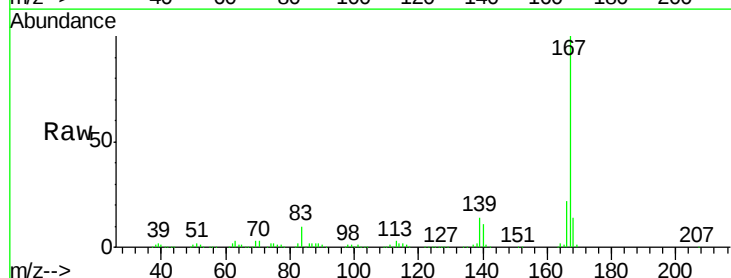
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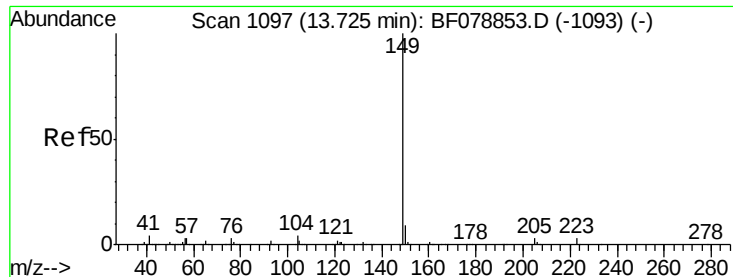
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#72  
 Carbazole  
 Concen: 37.93 ng  
 RT: 12.97 min Scan# 1031  
 Delta R.T. -0.00 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 17.5  | 26.3  |
| 139     | 14.0  | 11.0  | 16.4  |





#73

Di-n-butylphthalate

Concen: 37.68 ng

RT: 13.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

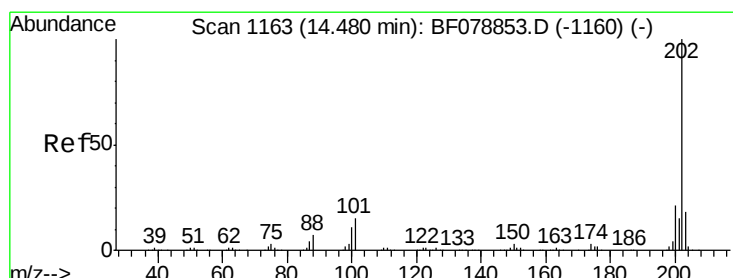
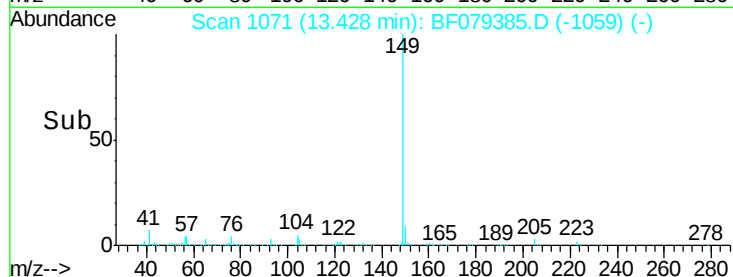
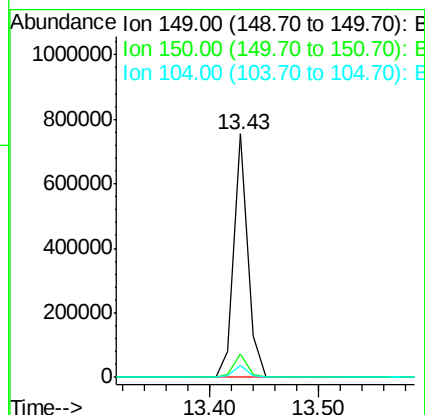
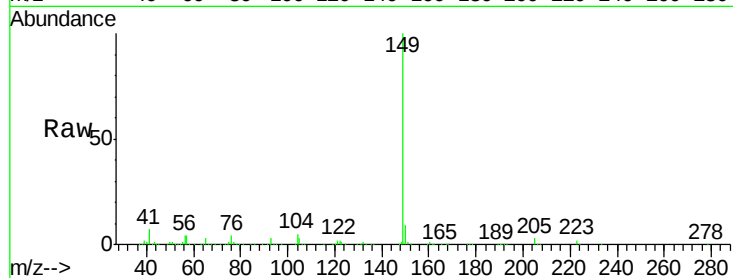
ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 663253 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.4   | 7.0   | 10.4   |
| 104       | 4.8   | 3.3   | 4.9    |

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#74

Fluoranthene

Concen: 37.77 ng

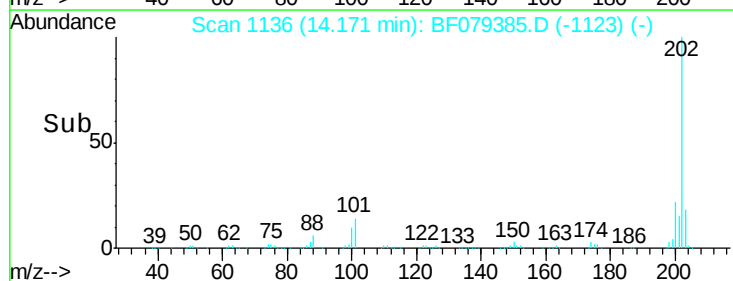
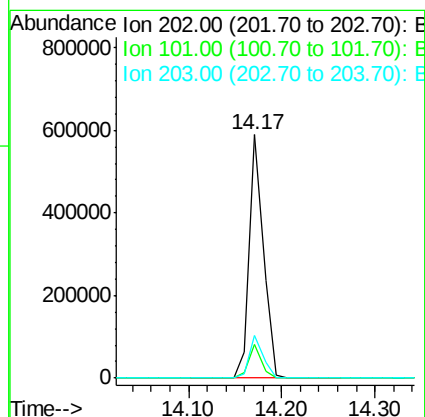
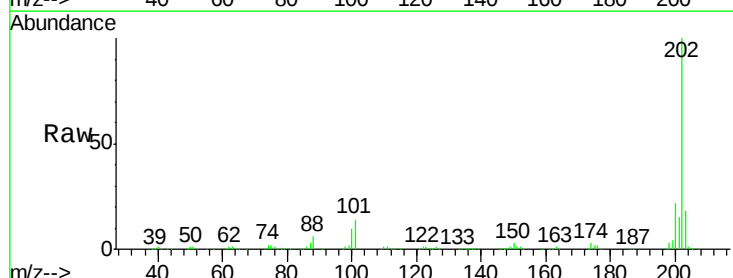
RT: 14.17 min Scan# 1136

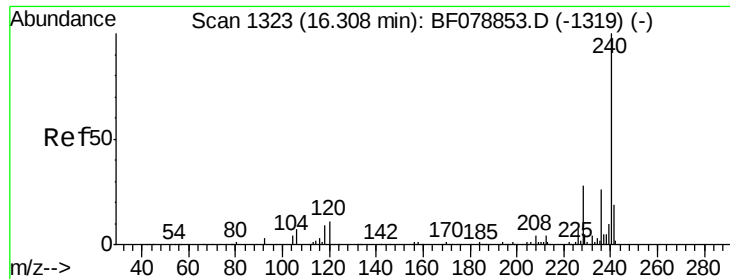
Delta R.T. -0.00 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 617728 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.8  | 0.0   | 34.7   |
| 203       | 17.7  | 0.0   | 37.9   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

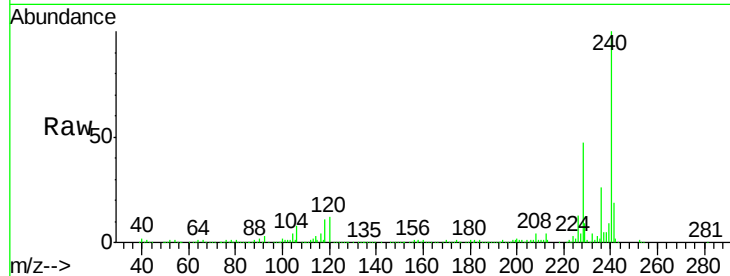
ClientSampleId :

KM-SP-001-150518MSD

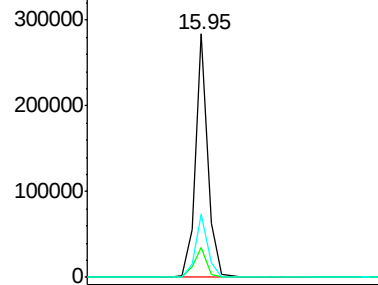
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 283213 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.3  | 8.6   | 12.8   |
| 236       | 26.2  | 21.0  | 31.6   |

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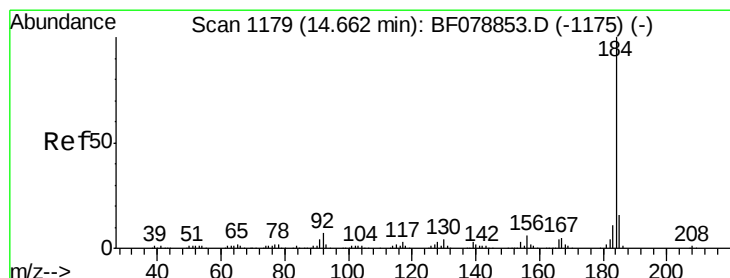
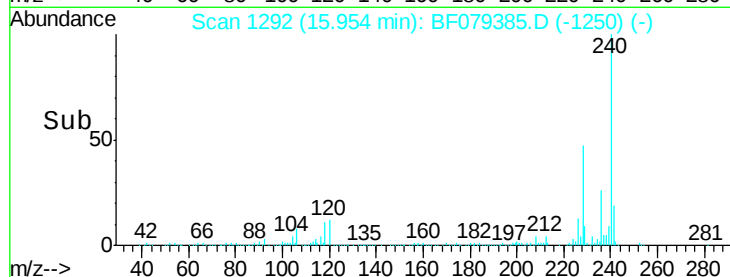
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Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 28.20 ng

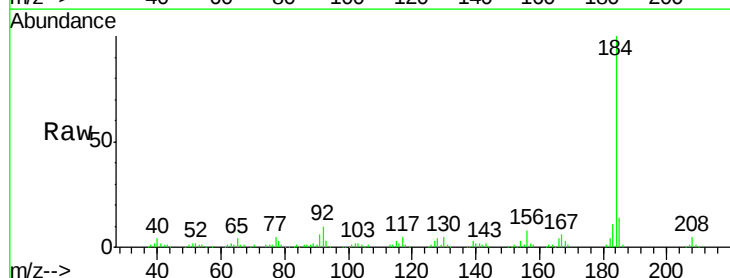
RT: 14.35 min Scan# 1152

Delta R.T. -0.01 min

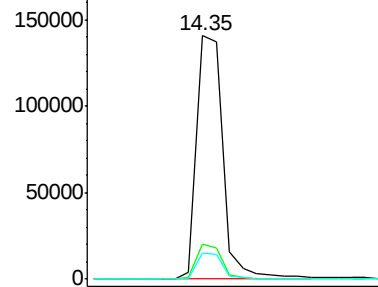
Lab File: BF079385.D

Acq: 20 May 2015 18:31

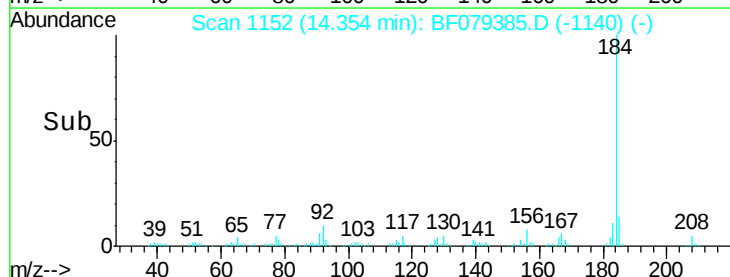
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 215258 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 12.8  | 19.2   |
| 183       | 10.8  | 9.0   | 13.4   |

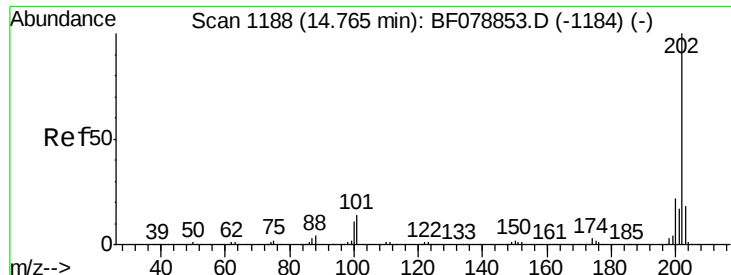


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



Time-->





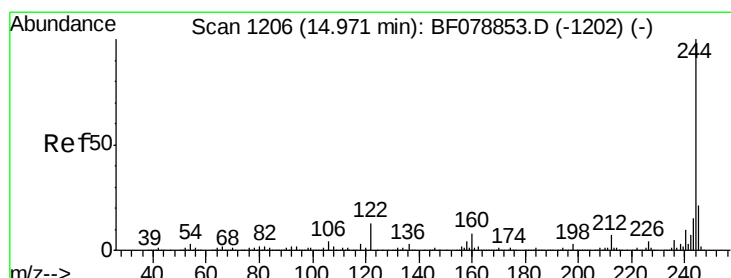
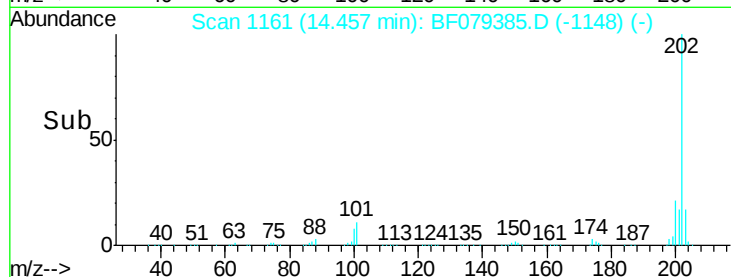
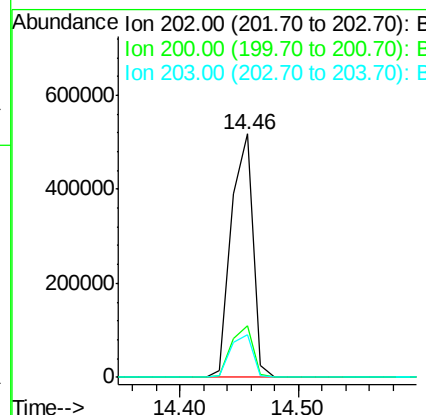
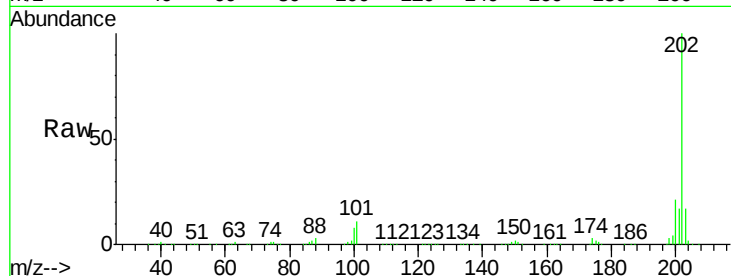
#77  
Pvrene  
Concen: 40.09 ng  
RT: 14.46 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 654227 |       |       |
| 200     | 21.2  |        | 17.5  | 26.3  |
| 203     | 17.4  |        | 14.7  | 22.1  |

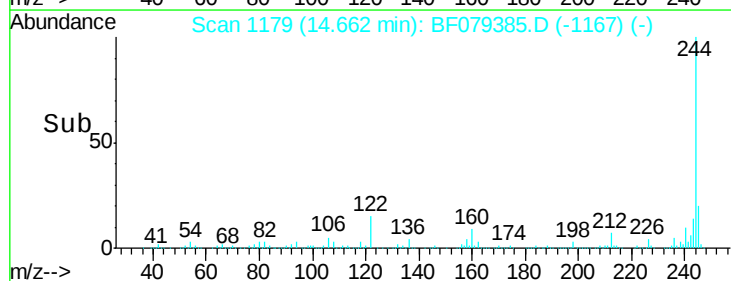
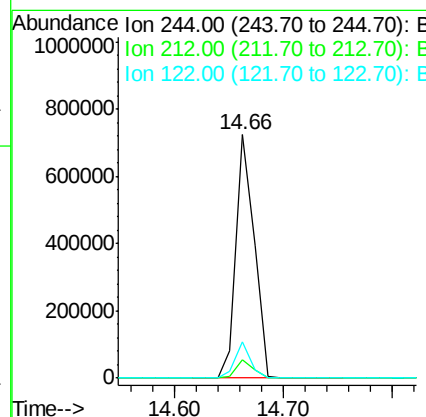
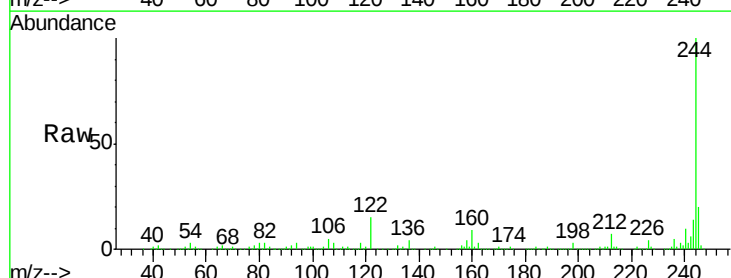
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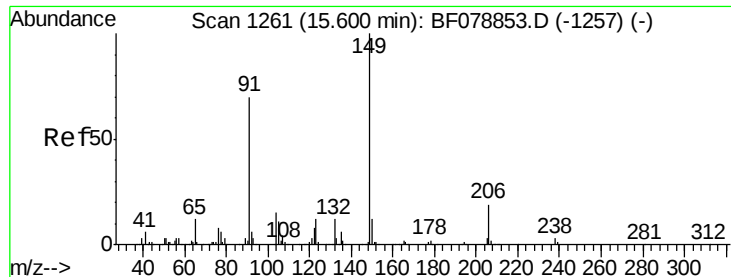
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#78  
Terphenyl-d14  
Concen: 70.21 ng  
RT: 14.66 min Scan# 1179  
Delta R.T. -0.01 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 830549 |       |       |
| 212     | 7.3   |        | 5.6   | 8.4   |
| 122     | 15.0  |        | 10.5  | 15.7  |





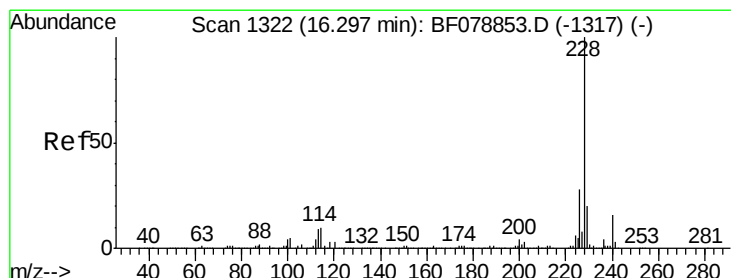
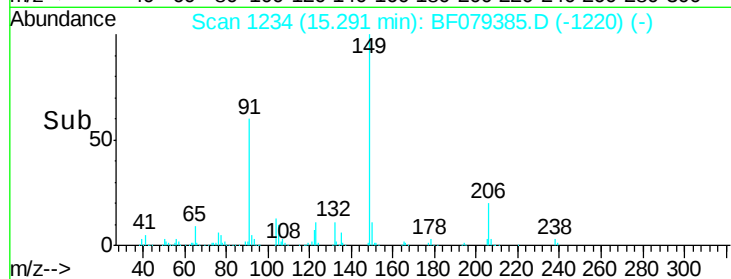
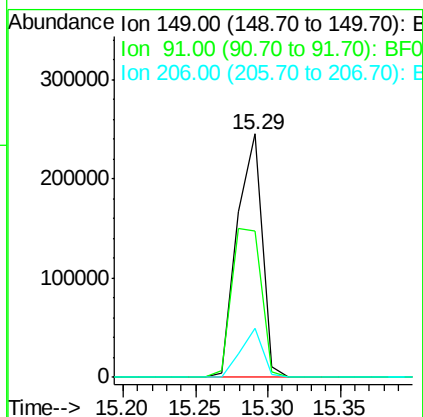
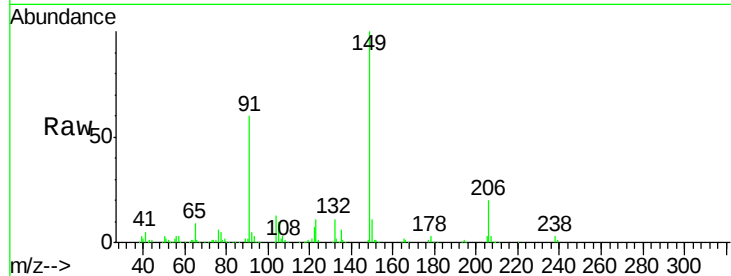
#79  
Butylbenzylphthalate  
Concen: 41.13 ng  
RT: 15.29 min Scan# 1234  
Delta R.T. -0.00 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 293406 |       |       |
| 91      | 59.9 | 56.2  | 84.2   |       |       |
| 206     | 20.3 | 15.2  | 22.8   |       |       |

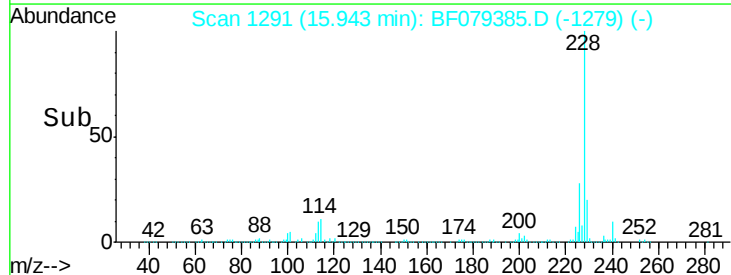
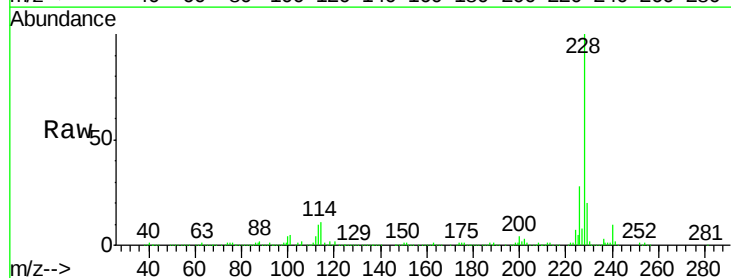
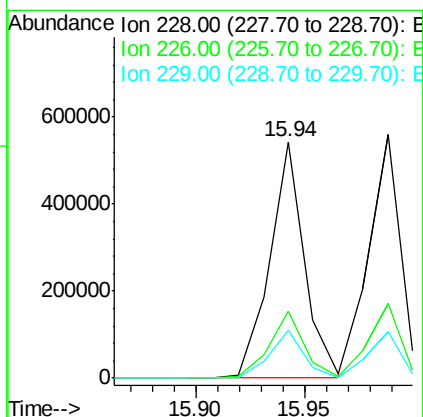
Manual Integrations  
APPROVED

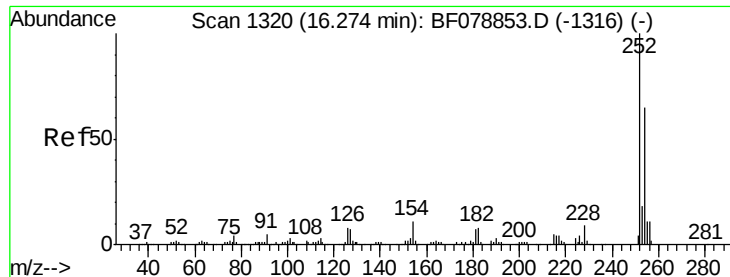
apatel  
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#80  
Benzo(a)anthracene  
Concen: 38.90 ng  
RT: 15.94 min Scan# 1291  
Delta R.T. -0.02 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 228     | 100  |       | 603319 |       |       |
| 226     | 28.2 | 22.3  | 33.5   |       |       |
| 229     | 20.3 | 16.1  | 24.1   |       |       |





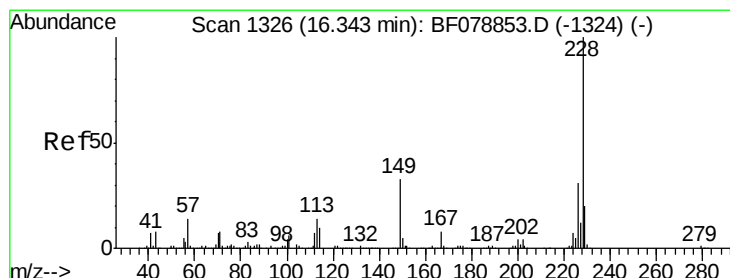
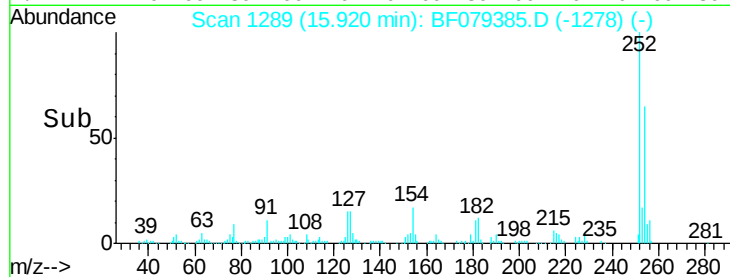
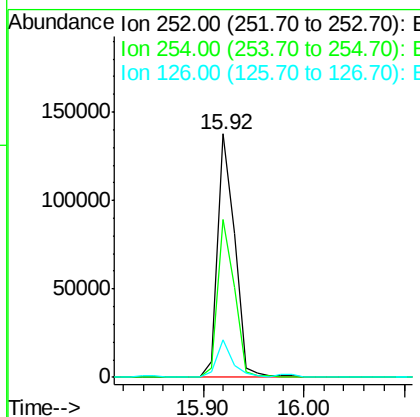
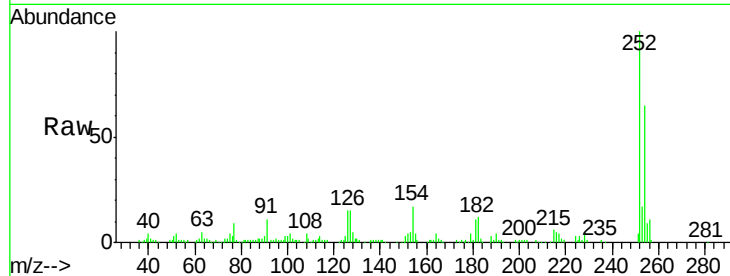
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.73 ng  
 RT: 15.92 min Scan# 1289  
 Delta R.T. -0.03 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 164235 |       |       |
| 254     | 64.7  | 52.2   | 78.2  |       |
| 126     | 15.3  | 6.6    | 9.8   |       |

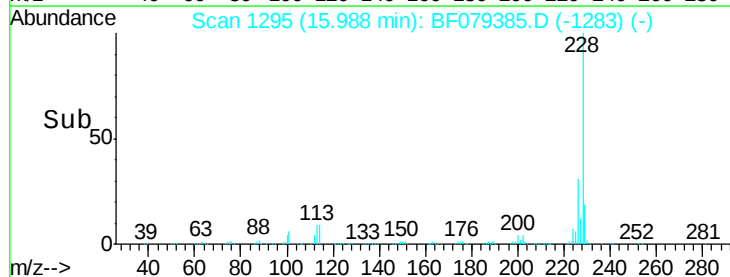
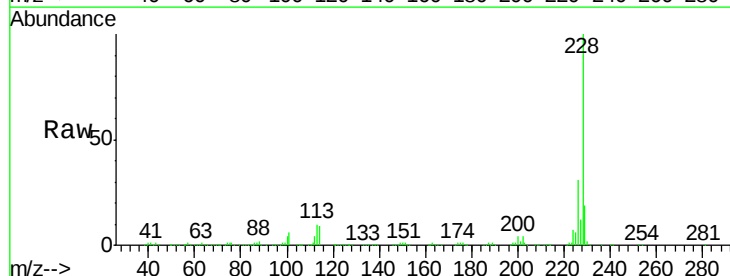
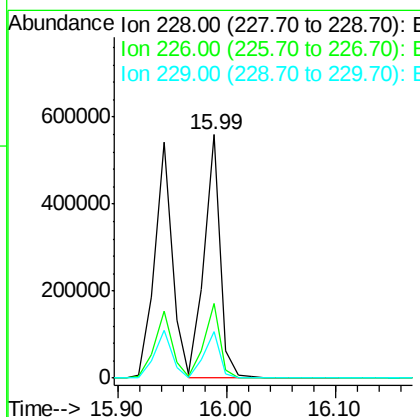
Manual Integrations  
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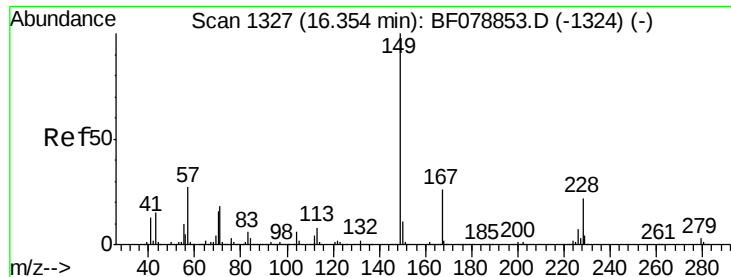
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#82  
 Chrysene  
 Concen: 38.64 ng  
 RT: 15.99 min Scan# 1295  
 Delta R.T. -0.02 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 576338 |       |       |
| 226     | 30.6  | 24.8   | 37.2  |       |
| 229     | 19.3  | 16.1   | 24.1  |       |





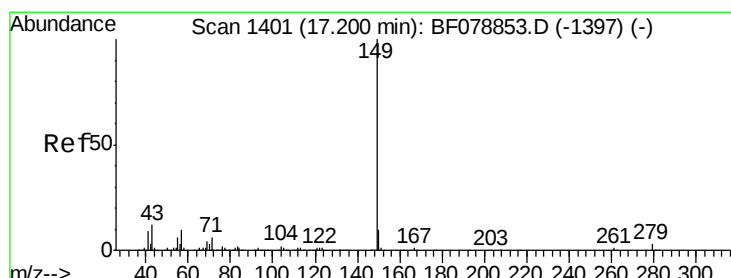
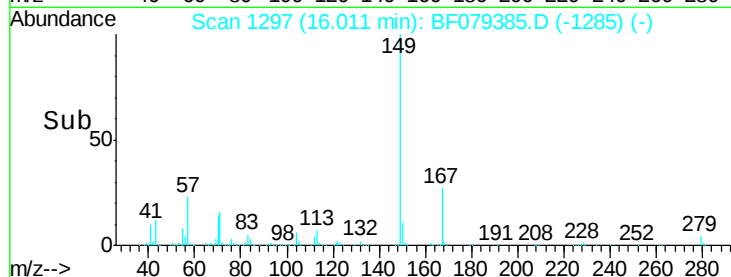
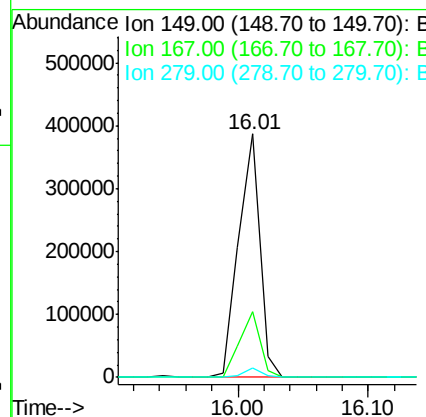
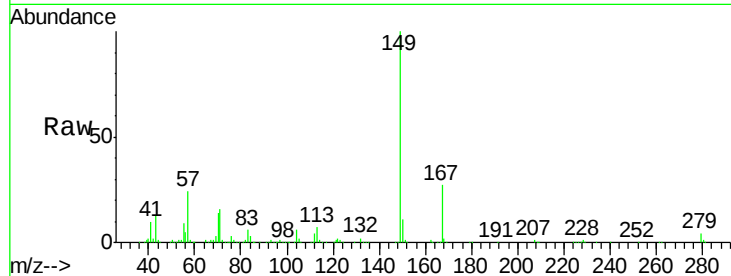
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.49 ng  
 RT: 16.01 min Scan# 1297  
 Delta R.T. -0.03 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KM-SP-001-150518MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 437464 |       |       |
| 167     | 26.7 |       | 21.2   | 31.8  |       |
| 279     | 3.6  |       | 2.6    | 4.0   |       |

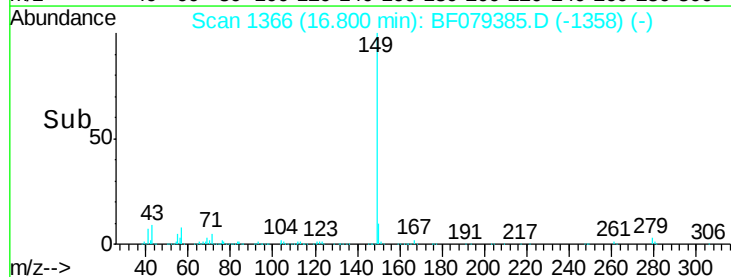
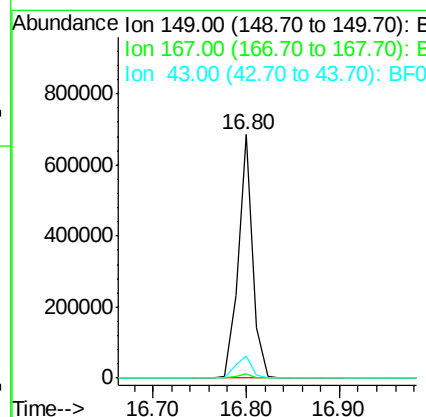
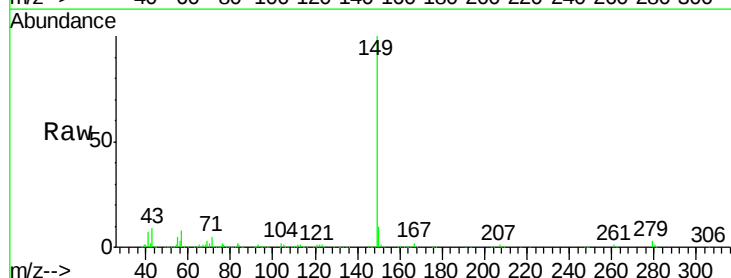
Manual Integrations  
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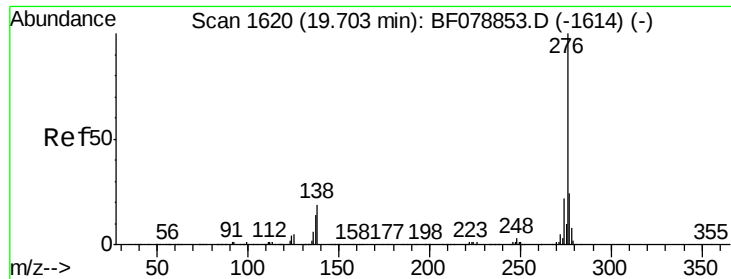
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#84  
 Di-n-octyl phthalate  
 Concen: 38.73 ng  
 RT: 16.80 min Scan# 1366  
 Delta R.T. -0.08 min  
 Lab File: BF079385.D  
 Acq: 20 May 2015 18:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 737081 |       |       |
| 167     | 1.5  |       | 1.2    | 1.8   |       |
| 43      | 10.0 |       | 9.0    | 13.6  |       |





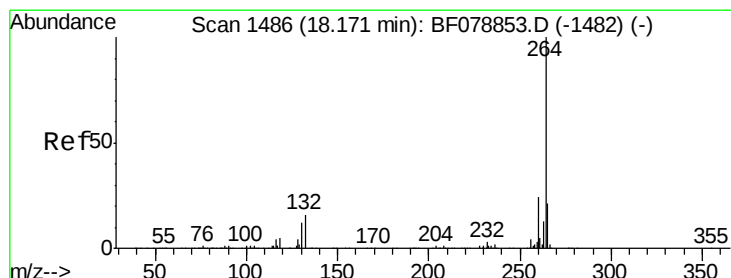
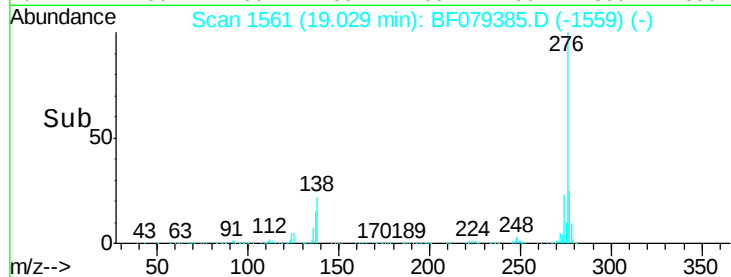
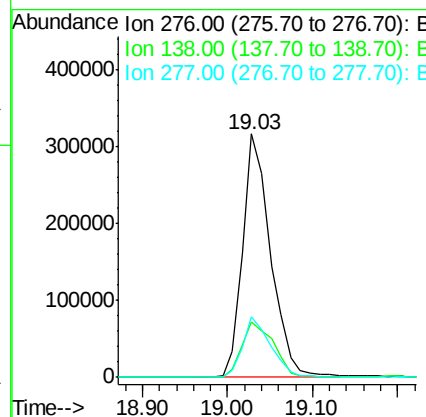
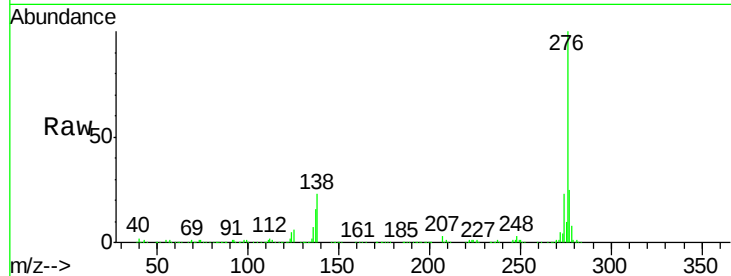
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 38.10 ng/ml  
RT: 19.03 min Scan# 1561  
Delta R.T. -0.18 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 724049 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.6  | 21.1  | 31.7   |
| 277       | 24.3  | 19.9  | 29.9   |

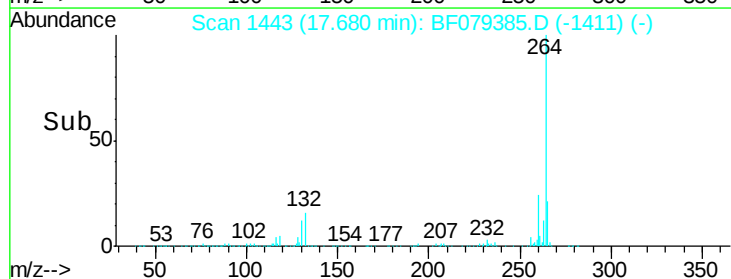
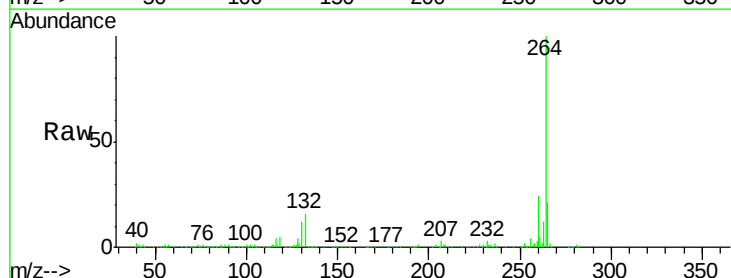
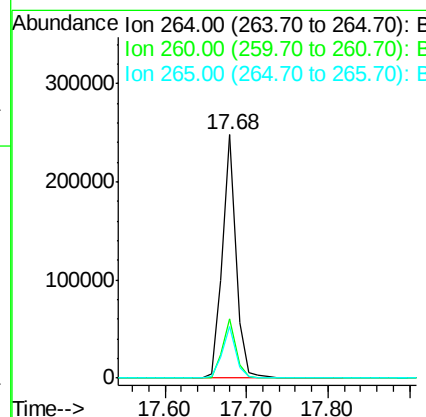
Manual Integrations  
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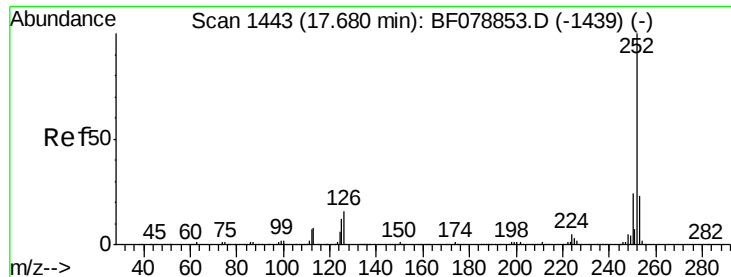
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.68 min Scan# 1443  
Delta R.T. -0.14 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 289249 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.4  | 19.2  | 28.8   |
| 265       | 21.4  | 17.2  | 25.8   |





#87

Benzo(b)fluoranthene

Concen: 43.15 ng

RT: 17.23 min Scan# 1404

Delta R.T. -0.10 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

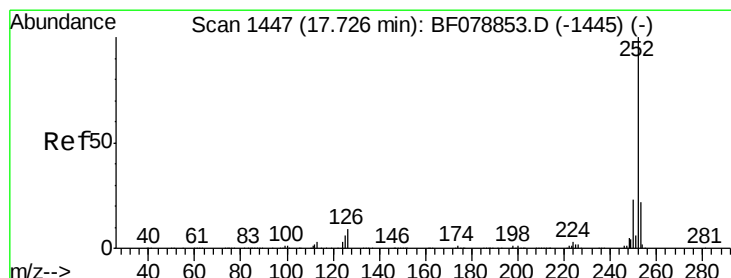
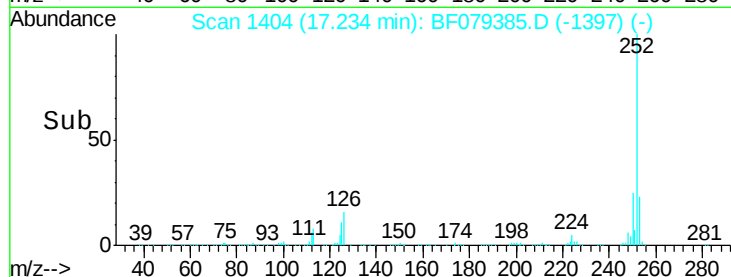
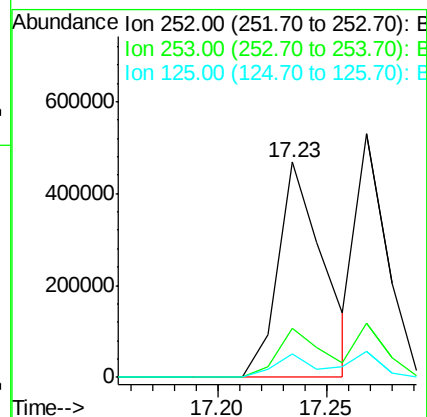
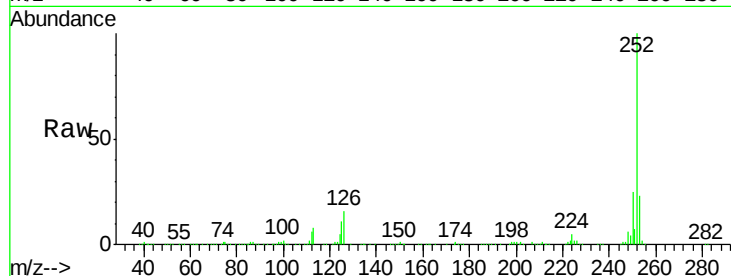
ClientSampleId :

KM-SP-001-150518MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 252  | Resp: | 683154 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.5 | 18.1  | 27.1   |
| 125       | 11.2 | 9.4   | 14.2   |

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#88

Benzo(k)fluoranthene

Concen: 34.33 ng m

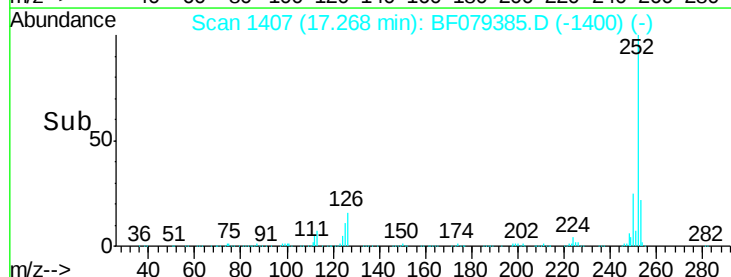
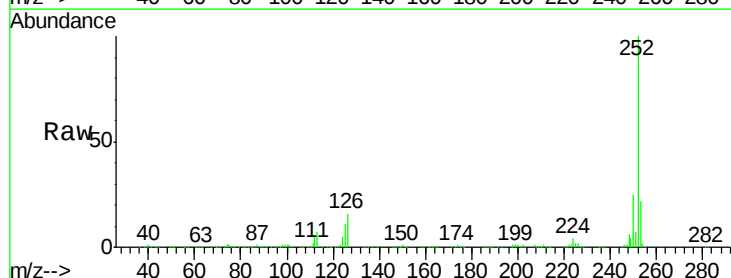
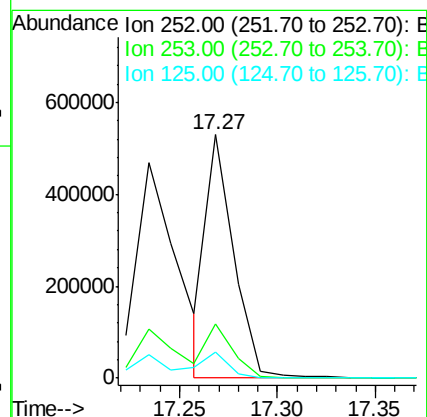
RT: 17.27 min Scan# 1407

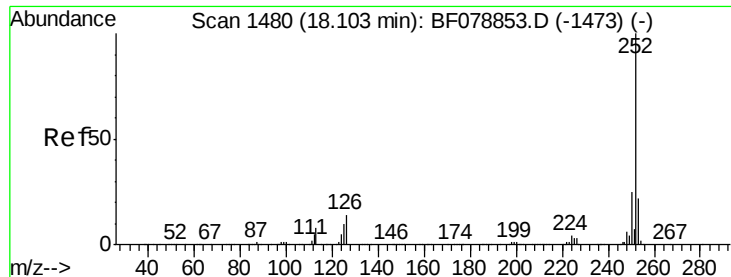
Delta R.T. -0.10 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 526155 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.1 | 17.4  | 26.0   |
| 125       | 10.5 | 6.1   | 9.1#   |





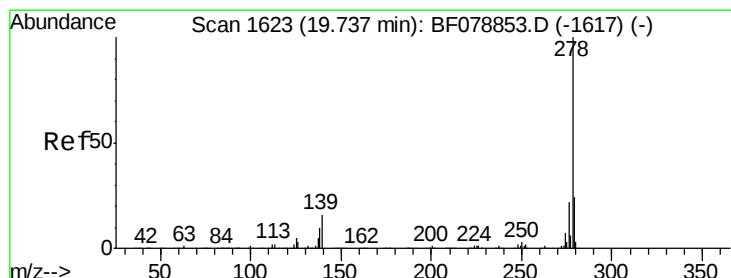
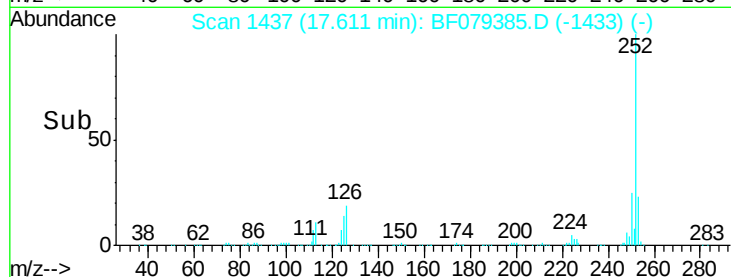
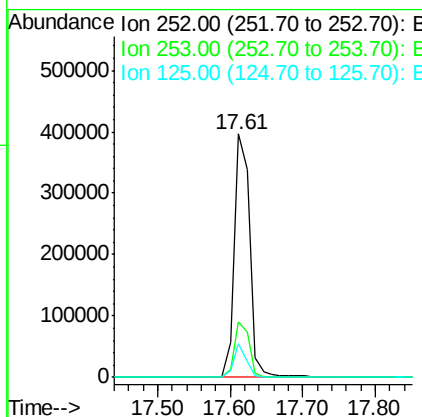
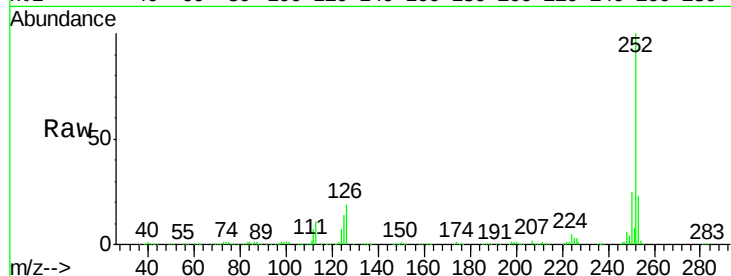
#89  
Benzo(a)pyrene  
Concen: 39.86 ng  
RT: 17.61 min Scan# 1437  
Delta R.T. -0.14 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
KM-SP-001-150518MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 581077 |       |       |
| 253     | 22.6  | 18.0   | 27.0  |       |
| 125     | 14.1  | 8.2    | 12.2  |       |

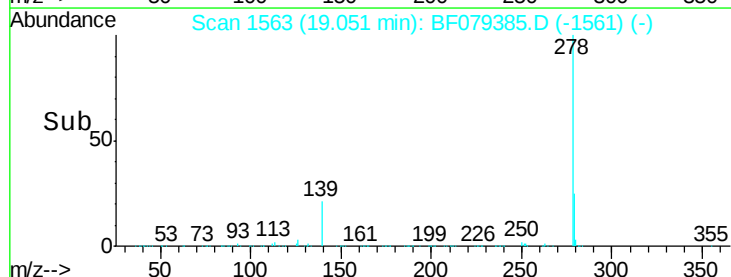
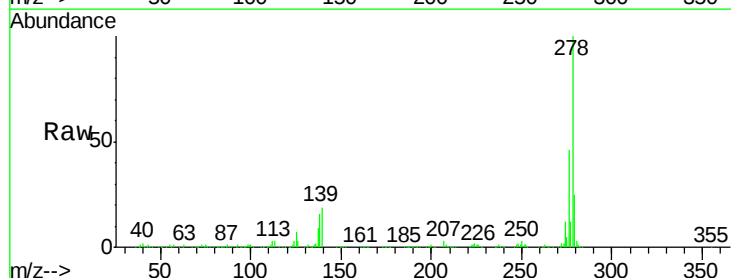
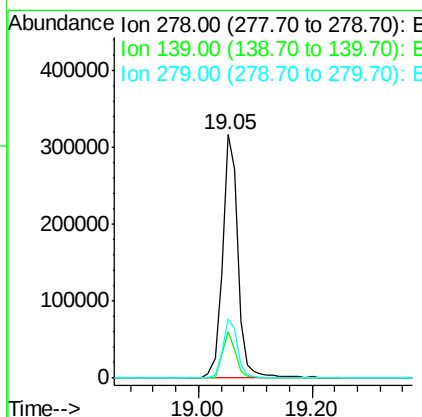
Manual Integrations  
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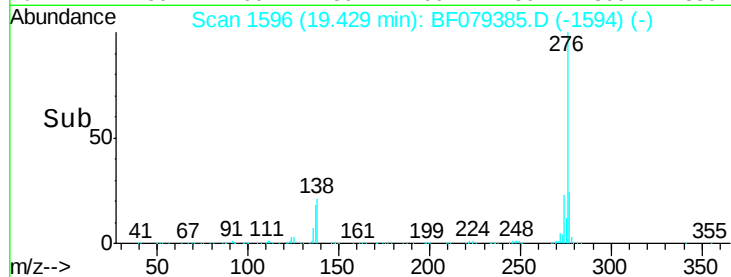
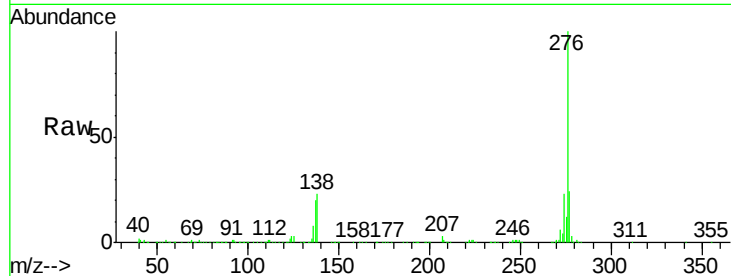
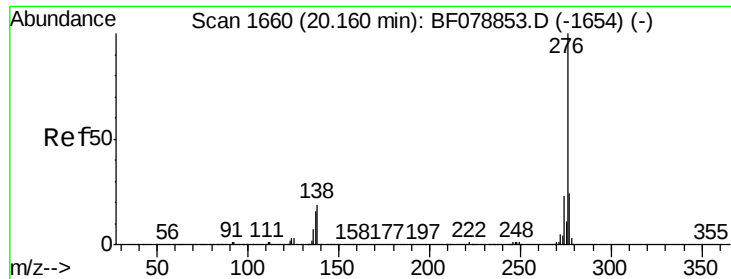
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#90  
Dibenzo(a,h)anthracene  
Concen: 39.00 ng  
RT: 19.05 min Scan# 1563  
Delta R.T. -0.18 min  
Lab File: BF079385.D  
Acq: 20 May 2015 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 604222 |       |       |
| 139     | 19.1  | 13.1   | 19.7  |       |
| 279     | 24.5  | 19.1   | 28.7  |       |





#91

Benzo(a,h,i)perylene

Concen: 38.63 ng

RT: 19.43 min Scan# 1596

Delta R.T. -0.18 min

Lab File: BF079385.D

Acq: 20 May 2015 18:31

Instrument :

BNA\_F

ClientSampleId :

KM-SP-001-150518MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 599853 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.2  | 18.8  | 28.2   |
| 138       | 23.3  | 15.2  | 22.8#  |

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