

Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\  
 Data File : BF077035.D  
 Acq On : 23 Jan 2015 6:51  
 Operator : TP/IZ  
 Sample : SSTDC0040  
 Misc : S  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 23 07:34:37 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 23 03:40:26 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 33412    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.77 | 136  | 142693   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.89 | 164  | 77375    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.69 | 188  | 126596   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 119179   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 22.88 | 264  | 108705   | 20.00 | ng    | 0.06     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 4.89  | 112 | 159618 | 78.55 | ng | 0.00 |
| 7) Phenol-d6             | 7.26  | 99  | 204039 | 79.59 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 207184 | 80.44 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.60 | 330 | 52513  | 83.61 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 13.42 | 172 | 403843 | 79.43 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.93 | 244 | 439641 | 84.93 | ng | 0.01 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.20  | 88  | 26872  | 30.88 | ng | 100    |
| 3) Pyridine                    | 1.66  | 79  | 81056  | 36.00 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 1.62  | 42  | 45380  | 40.69 | ng | 95     |
| 6) Aniline                     | 7.14  | 93  | 140821 | 39.69 | ng | 95     |
| 8) 2-Chlorophenol              | 7.38  | 128 | 91495  | 39.05 | ng | 98     |
| 9) Benzaldehyde                | 6.86  | 77  | 60217  | 41.48 | ng | 99     |
| 10) Phenol                     | 7.29  | 94  | 110471 | 40.58 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.40  | 93  | 85595  | 40.19 | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 7.70  | 146 | 105971 | 39.76 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 7.89  | 146 | 110704 | 39.17 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.21  | 146 | 102756 | 39.46 | ng | 98     |
| 15) Benzyl Alcohol             | 8.30  | 79  | 85887  | 41.40 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 113424 | 39.61 | ng | 90     |
| 17) 2-Methylphenol             | 8.64  | 107 | 78233  | 40.86 | ng | 97     |
| 18) Hexachloroethane           | 8.95  | 117 | 39252  | 39.93 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70  | 70439  | 39.25 | ng | 96     |
| 20) 3+4-Methylphenols          | 9.02  | 107 | 98613  | 38.90 | ng | 97     |
| 22) Acetophenone               | 8.85  | 105 | 141015 | 40.35 | ng | 97     |
| 24) Nitrobenzene               | 9.20  | 77  | 102506 | 39.07 | ng | 96     |
| 25) Isophorone                 | 9.80  | 82  | 184362 | 39.30 | ng | 97     |
| 26) 2-Nitrophenol              | 9.93  | 139 | 53021  | 39.78 | ng | # 83   |
| 27) 2,4-Dimethylphenol         | 10.22 | 122 | 82717  | 40.77 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.42 | 93  | 111117 | 41.68 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.54 | 162 | 76836  | 40.63 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.68 | 180 | 86000  | 40.94 | ng | 96     |
| 31) Naphthalene                | 10.81 | 128 | 295620 | 40.24 | ng | 99     |
| 33) 4-Chloroaniline            | 11.05 | 127 | 115424 | 38.88 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.18 | 225 | 49696  | 39.88 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.36 | 107 | 86206  | 39.81 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.47 | 142 | 200624 | 39.99 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 76223  | 39.85 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.86 | 237 | 28784  | 30.93 | ng | 93     |
| 42) 2,4,6-Trichlorophenol      | 13.21 | 196 | 57562  | 41.30 | ng | 99     |
| 43) 2,4,5-Trichlorophenol      | 13.31 | 196 | 60767  | 42.75 | ng | 97     |

Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\  
 Data File : BF077035.D  
 Acq On : 23 Jan 2015 6:51  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc : S  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 23 07:34:37 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 23 03:40:26 2015  
 Response via : Initial Calibration

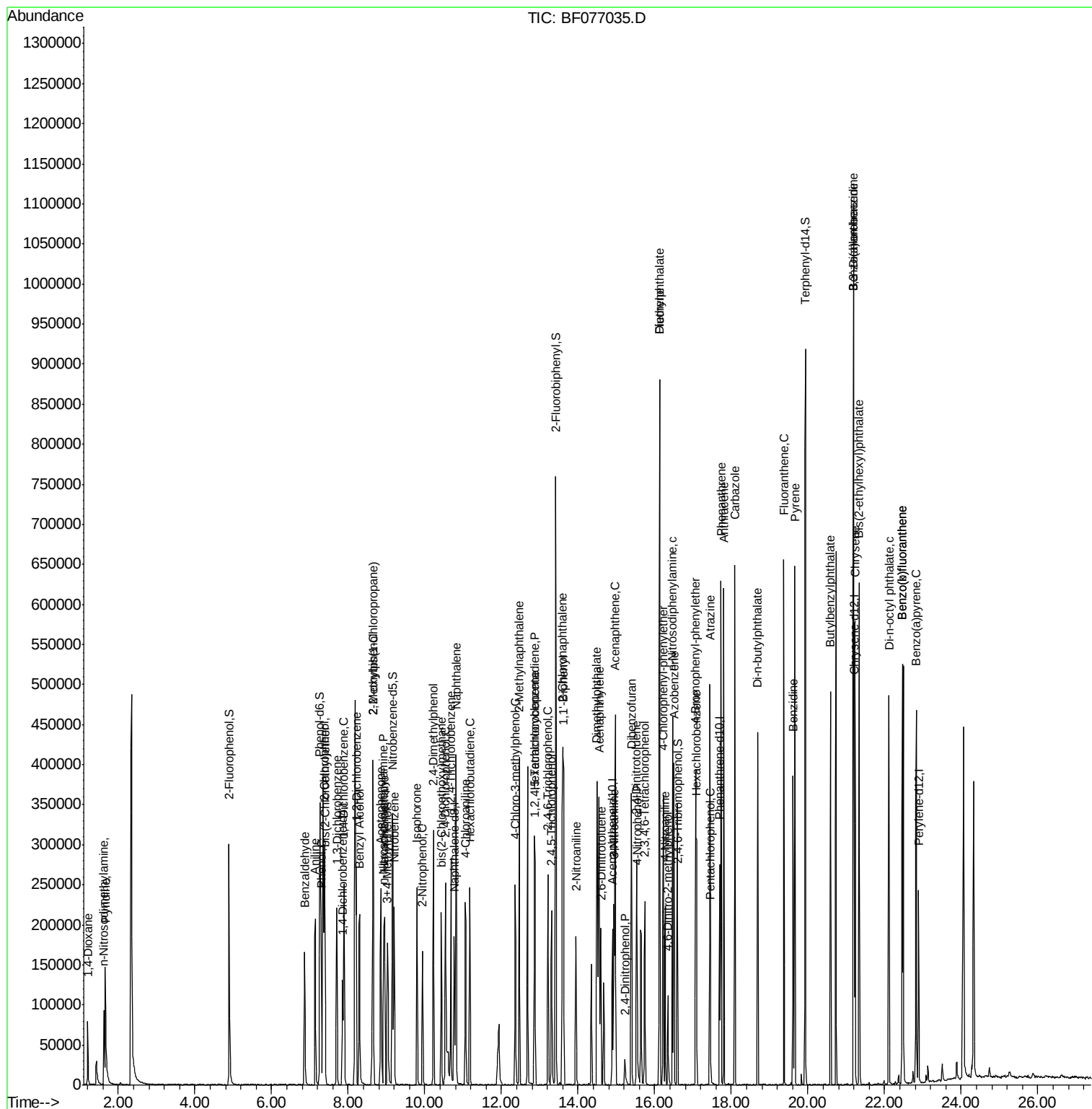
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 45) 1,1'-Biphenyl              | 13.63 | 154  | 233521   | 40.71 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.60 | 162  | 189406   | 40.13 | nq    | 94       |
| 47) 2-Nitroaniline             | 13.95 | 65   | 58729    | 41.01 | nq    | # 84     |
| 48) Acenaphthylene             | 14.55 | 152  | 317473   | 39.87 | nq    | 99       |
| 49) Dimethylphthalate          | 14.49 | 163  | 215292   | 39.24 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.60 | 165  | 45547    | 41.55 | nq    | 93       |
| 51) Acenaphthene               | 14.97 | 154  | 177188   | 39.22 | nq    | 95       |
| 52) 3-Nitroaniline             | 14.94 | 138  | 53873    | 38.02 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 15.23 | 184  | 9479     | 27.47 | nq    | 94       |
| 54) Dibenzofuran               | 15.40 | 168  | 262492   | 39.89 | nq    | 99       |
| 55) 4-Nitrophenol              | 15.53 | 139  | 34432    | 40.03 | nq    | 93       |
| 56) 2,4-Dinitrotoluene         | 15.52 | 165  | 63951    | 39.31 | nq    | # 95     |
| 57) Fluorene                   | 16.13 | 166  | 218195   | 39.14 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.74 | 232  | 43046    | 41.59 | nq    | 96       |
| 59) Diethylphthalate           | 16.13 | 149  | 224840   | 40.54 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 16.22 | 204  | 91020    | 39.90 | nq    | 90       |
| 61) 4-Nitroaniline             | 16.28 | 138  | 53085    | 38.70 | nq    | 97       |
| 62) Azobenzene                 | 16.51 | 77   | 231985   | 40.15 | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 16.35 | 198  | 20838    | 27.15 | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 16.46 | 169  | 183062   | 40.55 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.07 | 248  | 50286    | 39.21 | nq    | 97       |
| 67) Hexachlorobenzene          | 17.09 | 284  | 54095    | 40.02 | nq    | 94       |
| 68) Atrazine                   | 17.44 | 200  | 56428    | 41.19 | nq    | 98       |
| 69) Pentachlorophenol          | 17.45 | 266  | 24831    | 43.50 | nq    | 97       |
| 70) Phenanthrene               | 17.73 | 178  | 301655   | 38.21 | nq    | 99       |
| 71) Anthracene                 | 17.81 | 178  | 308215   | 40.04 | nq    | 98       |
| 72) Carbazole                  | 18.09 | 167  | 303499   | 40.65 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.69 | 149  | 359936   | 41.64 | nq    | 99       |
| 74) Fluoranthene               | 19.37 | 202  | 313501   | 38.75 | nq    | 99       |
| 76) Benzidine                  | 19.61 | 184  | 172314   | 45.18 | nq    | 99       |
| 77) Pyrene                     | 19.66 | 202  | 330922   | 40.51 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.59 | 149  | 163394   | 44.17 | nq    | # 84     |
| 80) Benzo(a)anthracene         | 21.19 | 228  | 306798   | 41.03 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 101936   | 42.90 | nq    | # 97     |
| 82) Chrysene                   | 21.23 | 228  | 274288   | 40.22 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 225756   | 44.11 | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 22.12 | 149  | 400736   | 45.11 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 22.46 | 252  | 283006   | 38.65 | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 22.46 | 252  | 282986   | 44.24 | nq    | 99       |
| 89) Benzo(a)pyrene             | 22.83 | 252  | 264215   | 40.91 | nq    | 96       |
| -----                          |       |      |          |       |       |          |

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

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 BNA\_F  
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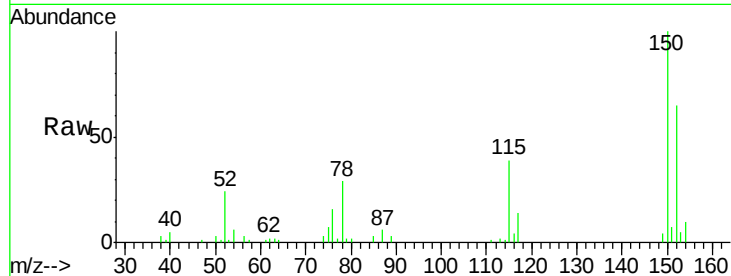


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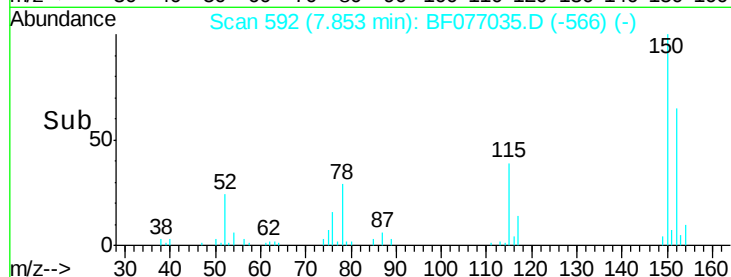
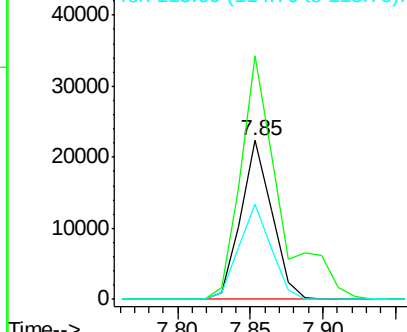
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.85 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 33412  
Ion Ratio Lower Upper  
152 100  
150 153.5 121.7 182.5  
115 60.1 47.0 70.6



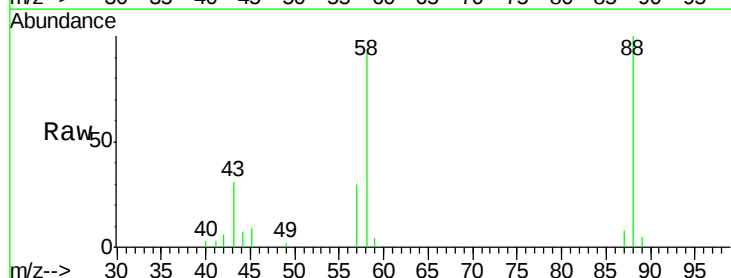
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



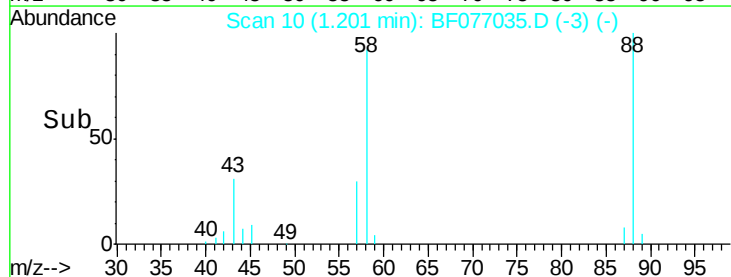
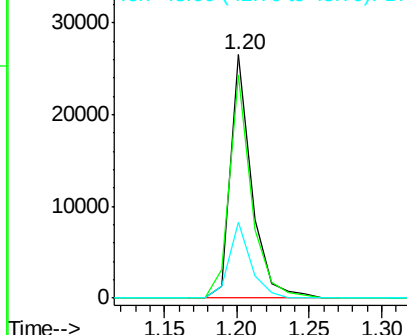
#2

1,4-Dioxane  
Concen: 30.88 ng  
RT: 1.20 min Scan# 10  
Delta R.T. -0.02 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion: 88 Resp: 26872  
Ion Ratio Lower Upper  
88 100  
58 95.9 77.0 115.4  
43 32.2 25.6 38.4



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

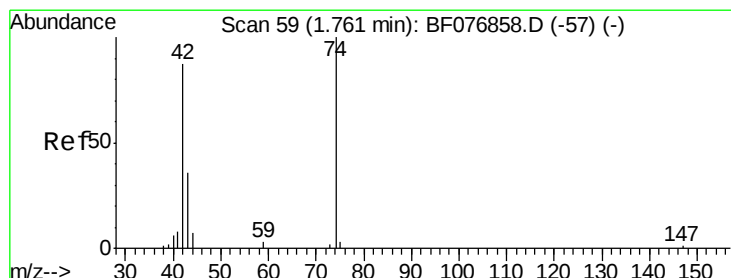
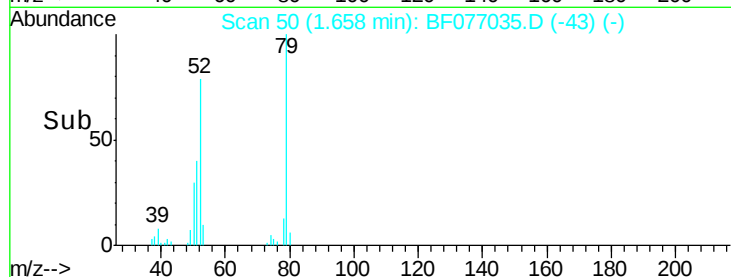
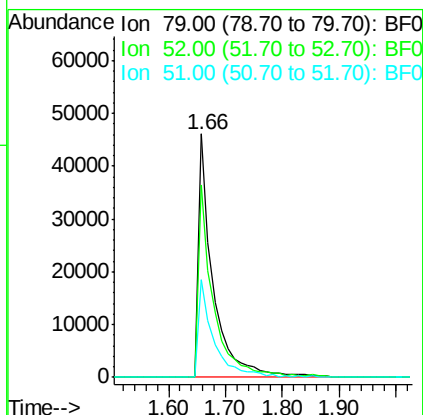
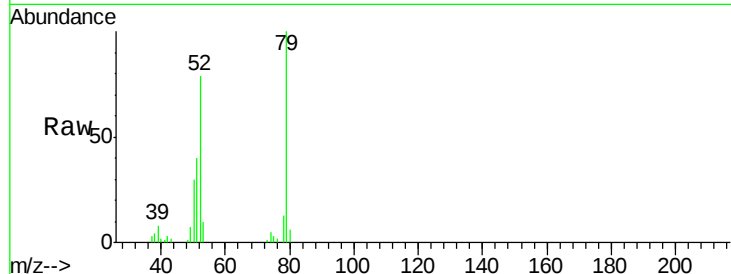




#3  
 Pvridine  
 Concen: 36.00 ng  
 RT: 1.66 min Scan# 50  
 Delta R.T. -0.02 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

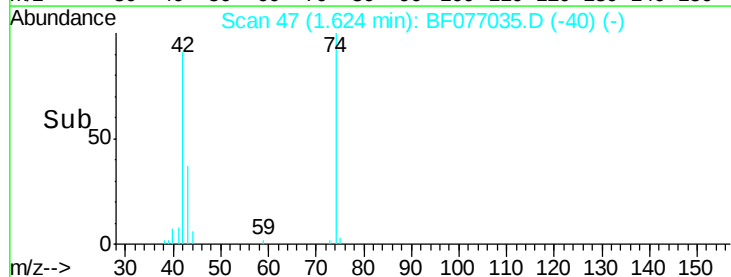
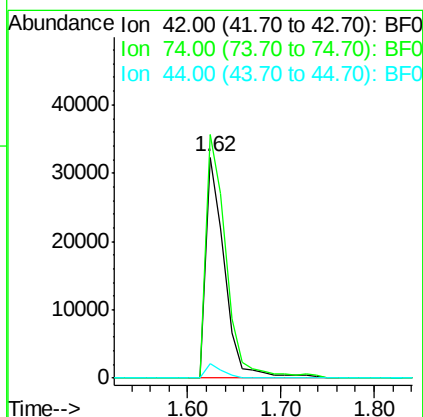
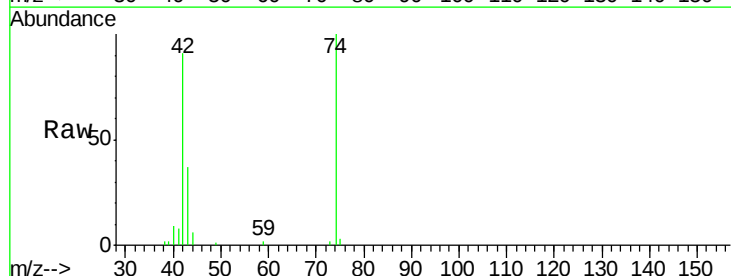
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 79 Resp: 81056  
 Ion Ratio Lower Upper  
 79 100  
 52 78.8 70.1 105.1  
 51 40.1 35.1 52.7



#4  
 n-Nitrosodimethylamine  
 Concen: 40.69 ng  
 RT: 1.62 min Scan# 47  
 Delta R.T. -0.02 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion: 42 Resp: 45380  
 Ion Ratio Lower Upper  
 42 100  
 74 110.3 92.4 138.6  
 44 6.3 6.2 9.2





#5

2-Fluorophenol

Concen: 78.55 ng

RT: 4.89 min Scan# 333

Delta R.T. 0.00 min

Lab File: BF077035.D

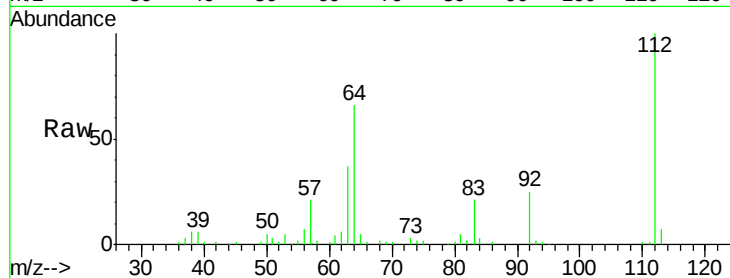
Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

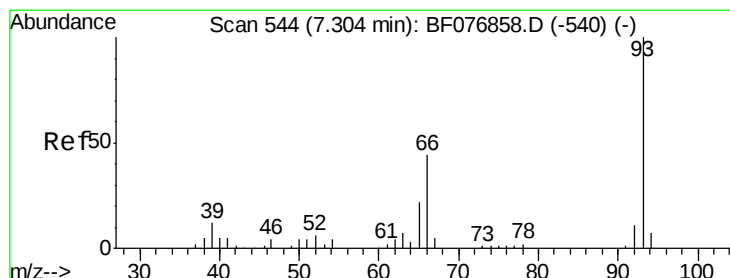
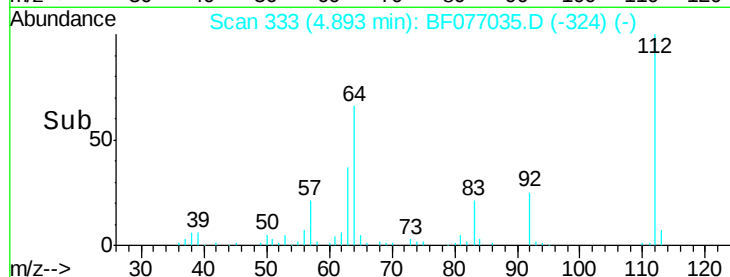
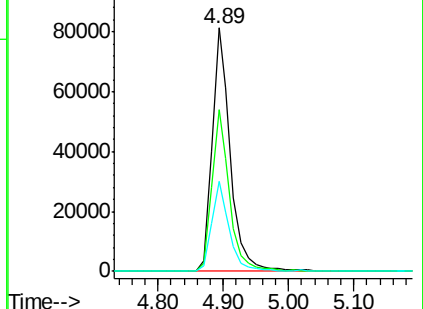
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 159618 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 66.3  | 54.2  | 81.4   |
| 63       | 36.9  | 28.4  | 42.6   |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 39.69 ng

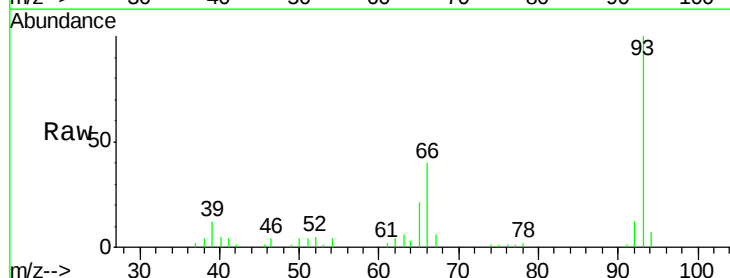
RT: 7.14 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

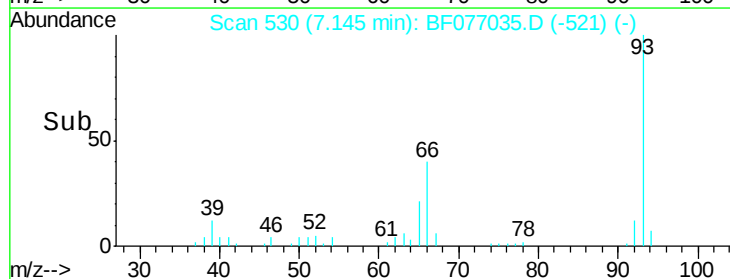
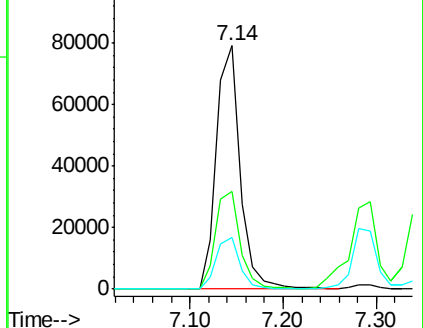
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 140821 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 40.0  | 35.0  | 52.4   |
| 65       | 21.2  | 17.7  | 26.5   |



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 79.59 ng

RT: 7.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

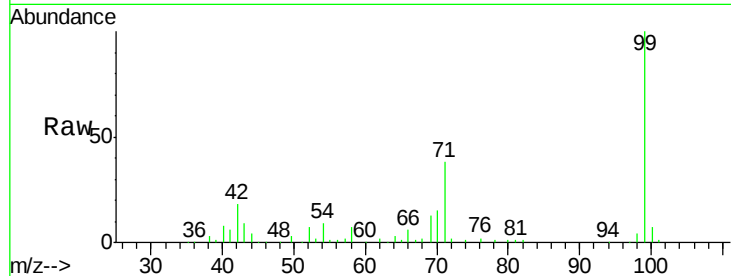
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 204039

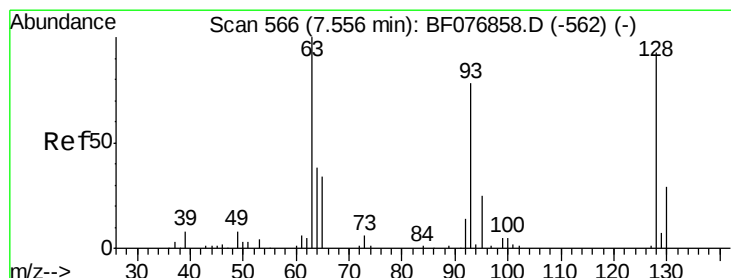
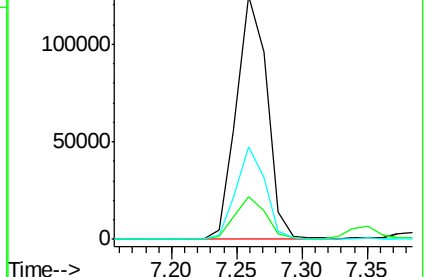
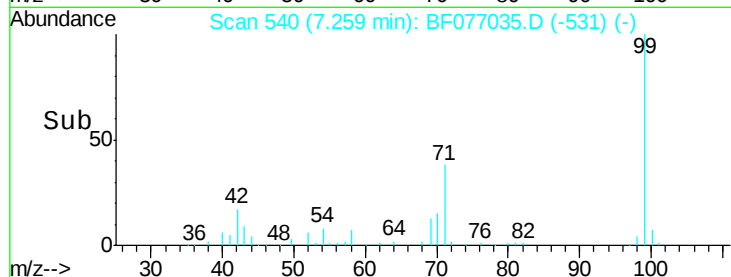
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 15.0  | 22.4  |
| 71  | 37.9  | 30.5  | 45.7  |



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.05 ng

RT: 7.38 min Scan# 551

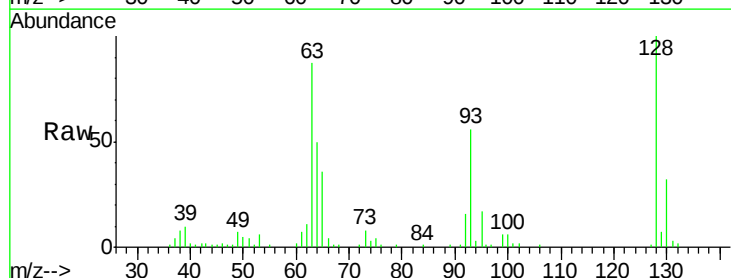
Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Tgt Ion: 128 Resp: 91495

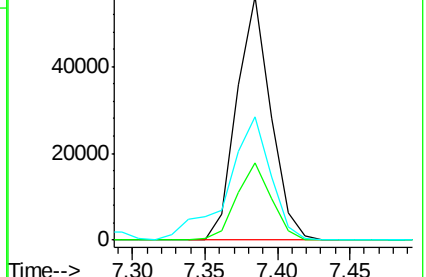
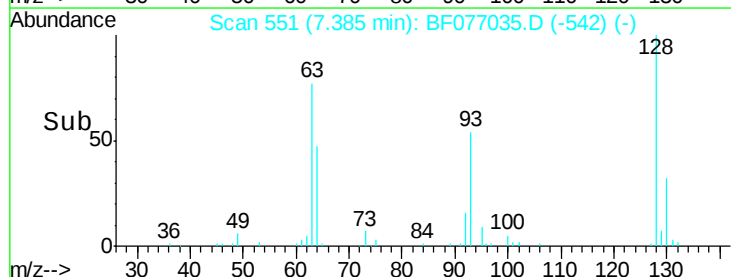
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.9  | 11.0  | 51.0  |
| 64  | 50.4  | 29.3  | 69.3  |

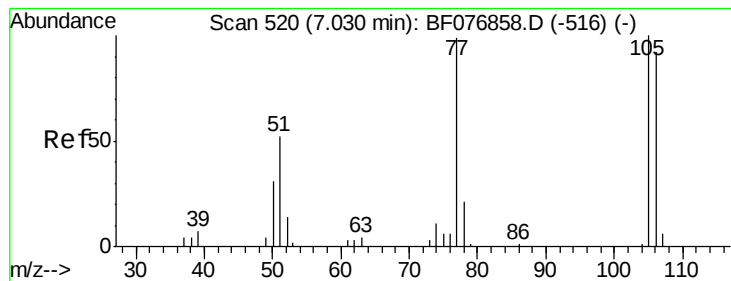


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 41.48 ng

RT: 6.86 min Scan# 505

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

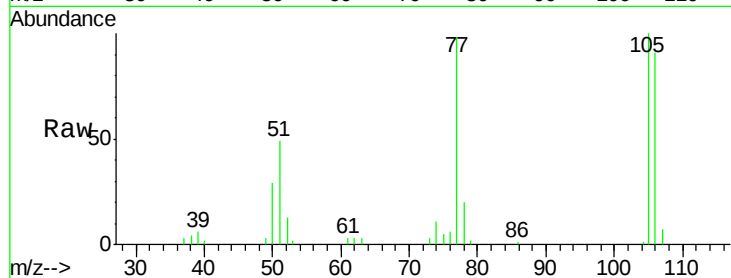
Tot Ion: 77 Resp: 60217

Ion Ratio Lower Upper

77 100

105 102.5 81.4 121.4

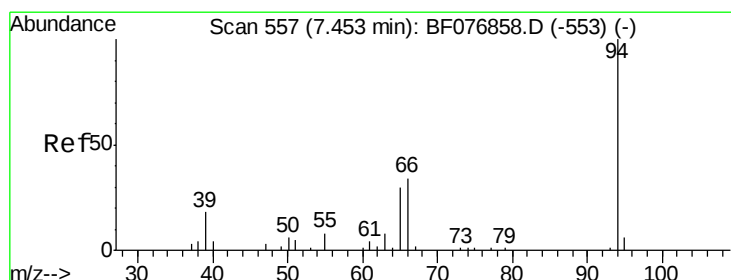
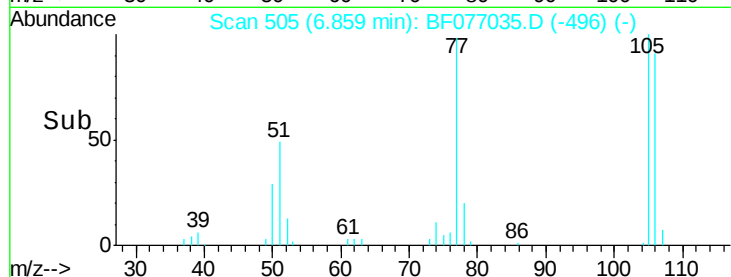
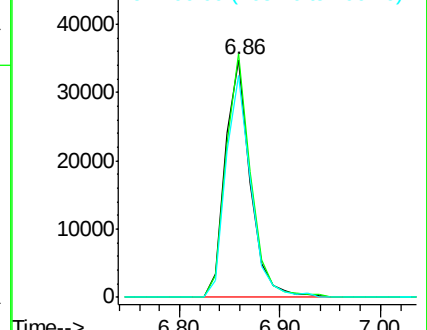
106 93.4 72.8 112.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 40.58 ng

RT: 7.29 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

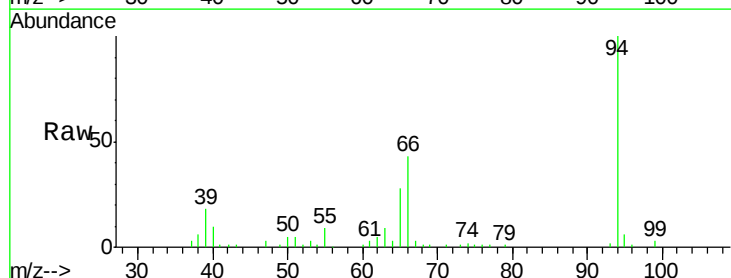
Tgt Ion: 94 Resp: 110471

Ion Ratio Lower Upper

94 100

65 28.2 11.3 51.3

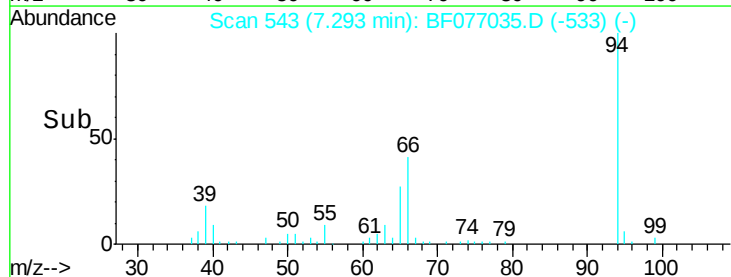
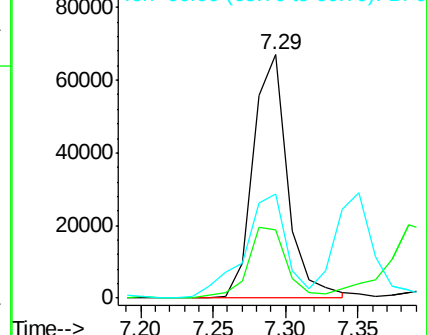
66 42.7 19.5 59.5

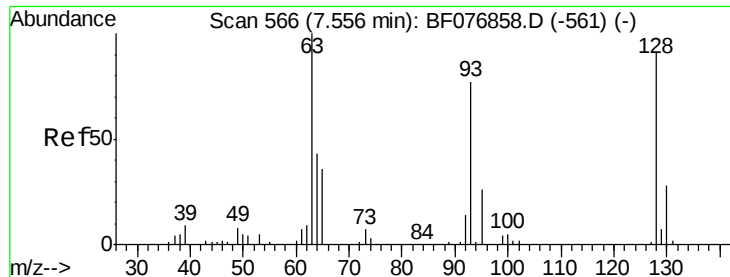


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

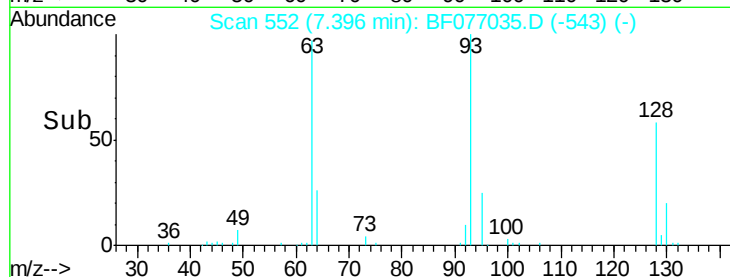
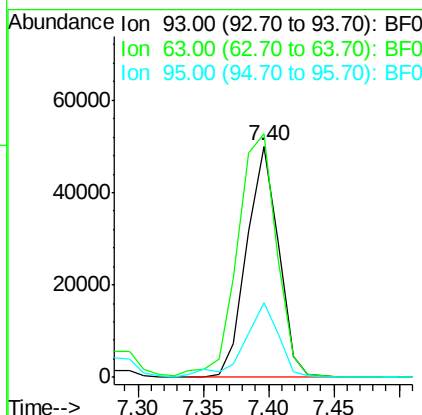
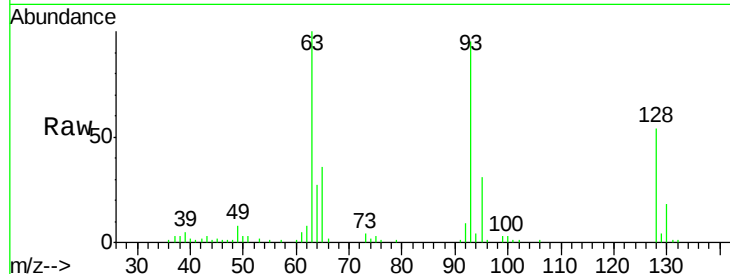




#11  
 bis(2-Chloroethyl)ether  
 Concen: 40.19 ng  
 RT: 7.40 min Scan# 552  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

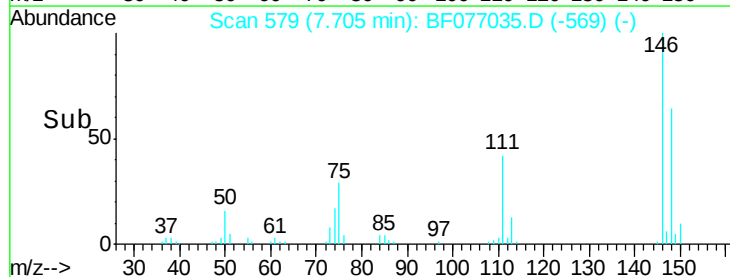
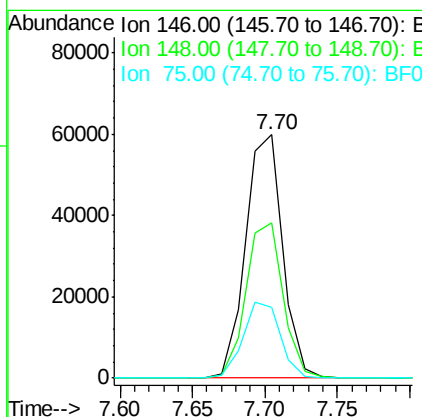
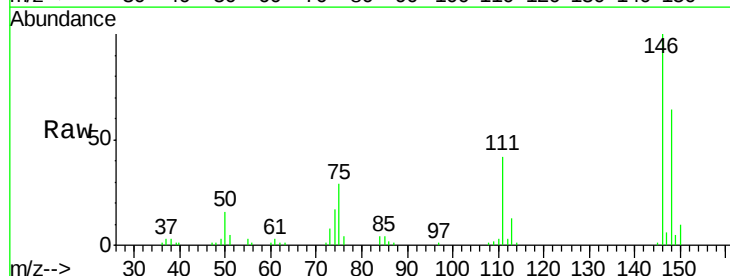
Instrument :  
 BNA\_F  
 ClientSampleId :

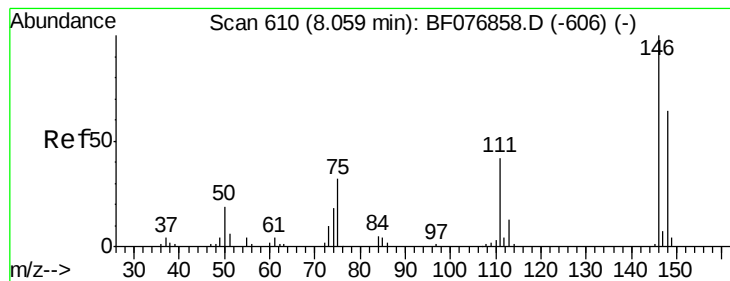
Tot Ion: 93 Resp: 85595  
 Ion Ratio Lower Upper  
 93 100  
 63 105.4 111.3 151.3#  
 95 32.3 13.8 53.8



#12  
 1,3-Dichlorobenzene  
 Concen: 39.76 ng  
 RT: 7.70 min Scan# 579  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion: 146 Resp: 105971  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 48.1 72.1  
 75 29.0 26.8 40.2





#13

1,4-Dichlorobenzene

Concen: 39.17 ng

RT: 7.89 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

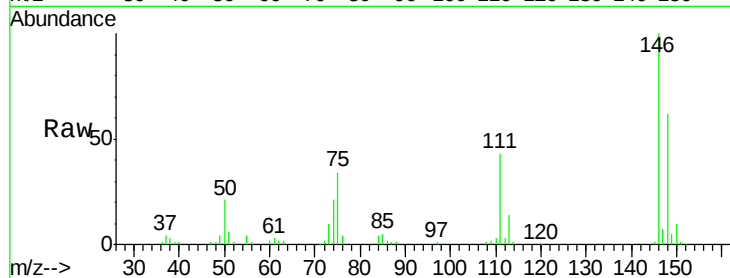
Tot Ion:146 Resp: 110704

Ion Ratio Lower Upper

146 100

148 61.9 51.5 77.3

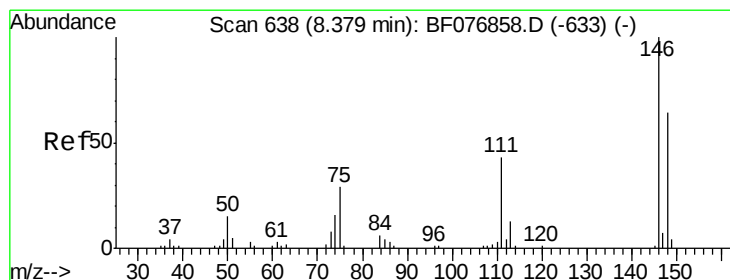
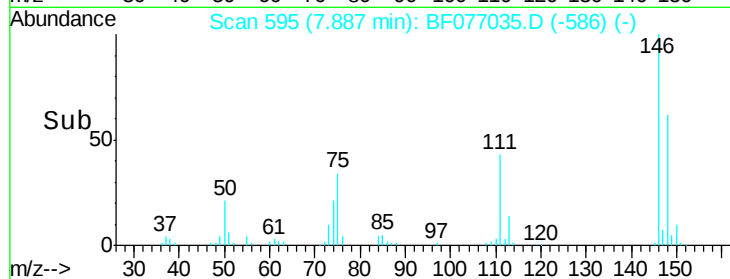
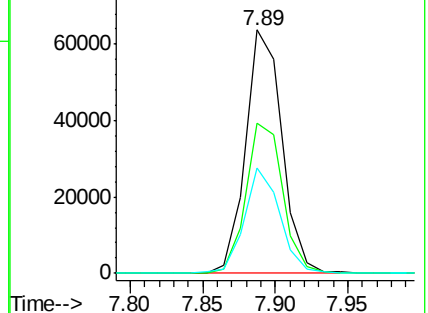
111 43.2 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.46 ng

RT: 8.21 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

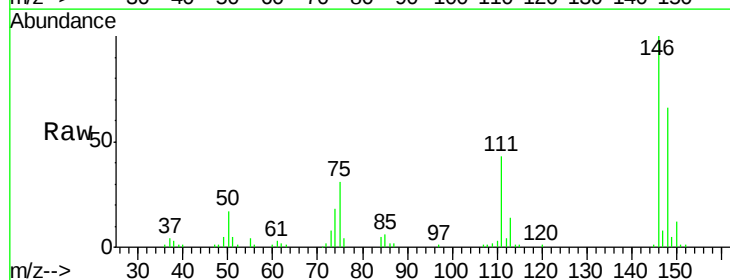
Tgt Ion:146 Resp: 102756

Ion Ratio Lower Upper

146 100

148 65.7 51.3 76.9

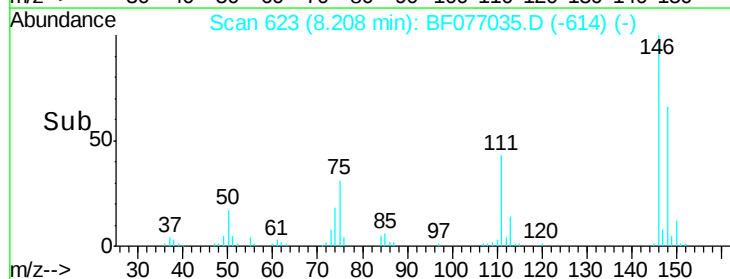
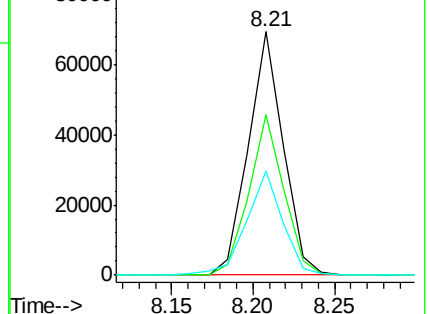
111 42.6 34.5 51.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.40 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

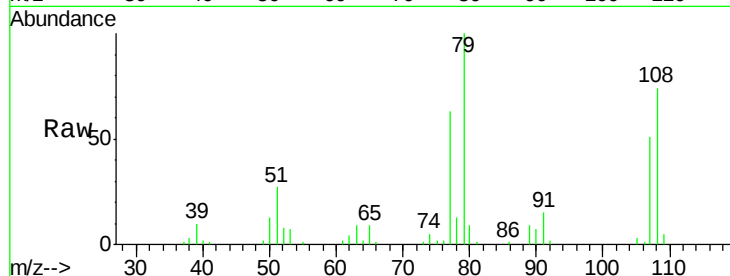
Tot Ion: 79 Resp: 85887

Ion Ratio Lower Upper

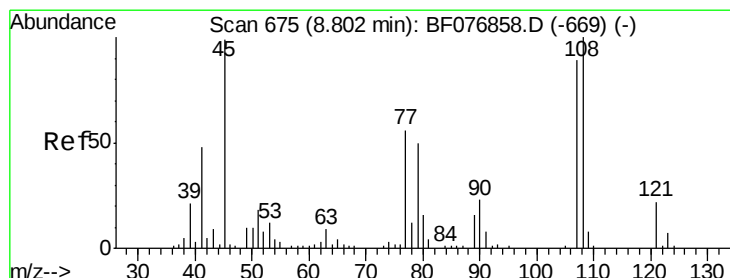
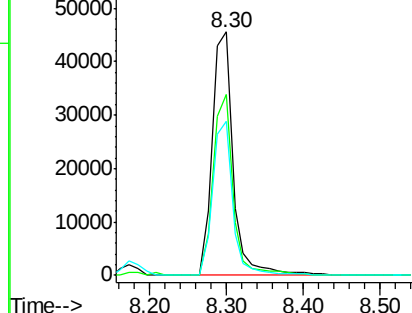
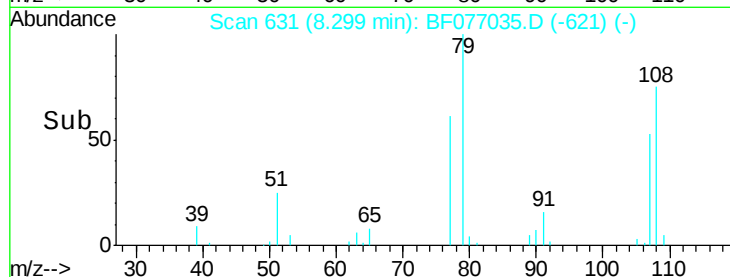
79 100

108 74.4 57.2 85.8

77 63.3 51.2 76.8



Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.61 ng

RT: 8.64 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

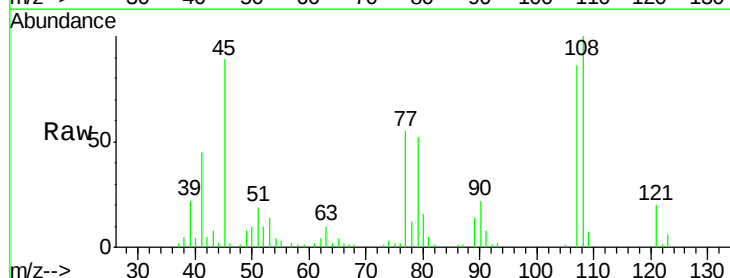
Tgt Ion: 45 Resp: 113424

Ion Ratio Lower Upper

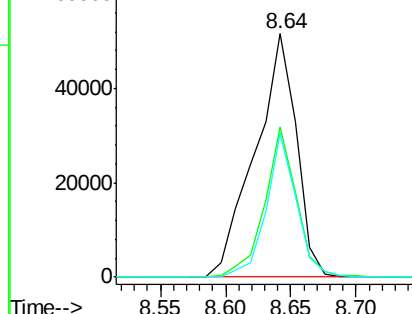
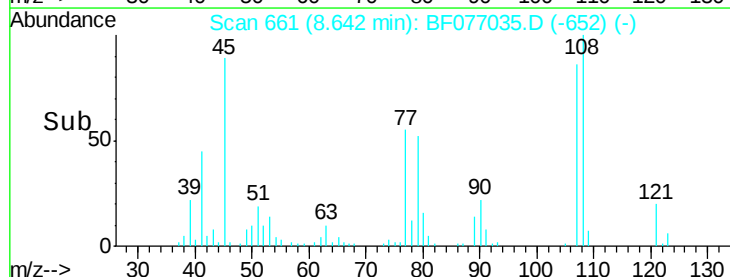
45 100

77 61.5 36.1 76.1

79 59.0 30.5 70.5



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

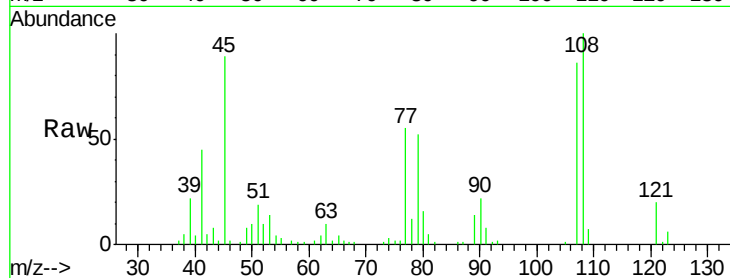




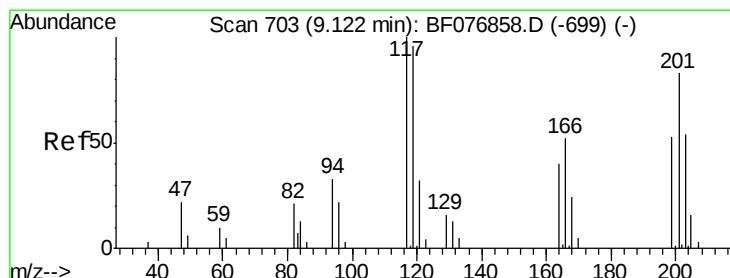
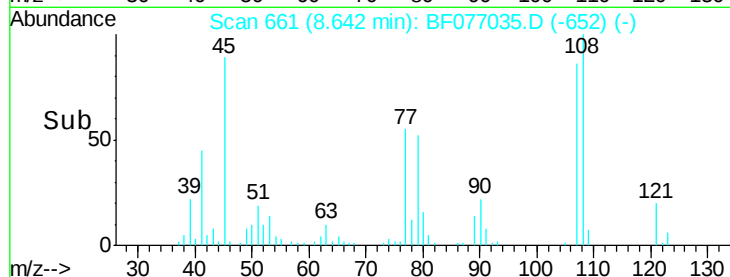
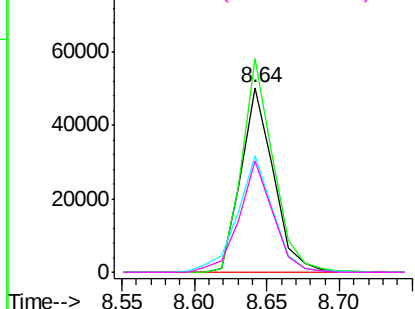
#17  
2-Methylphenol  
Concen: 40.86 ng  
RT: 8.64 min Scan# 661  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 78233  
Ion Ratio Lower Upper  
107 100  
108 115.7 89.7 134.5  
77 63.0 50.1 75.1  
79 60.5 45.0 67.6

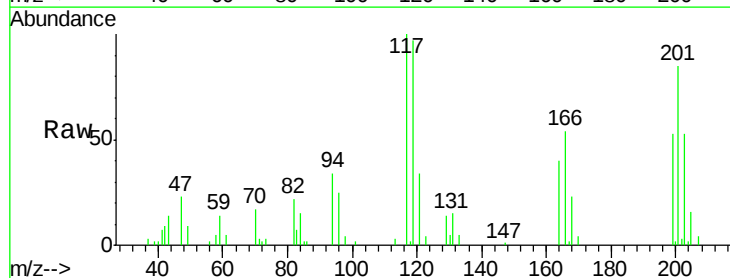


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

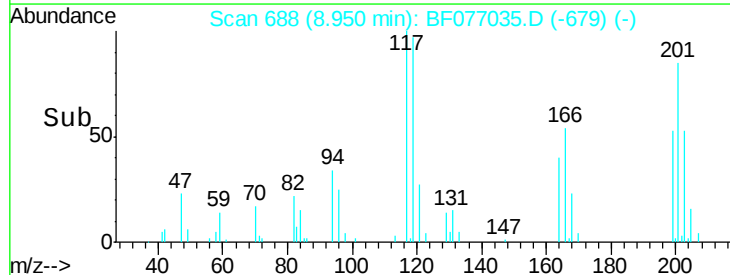
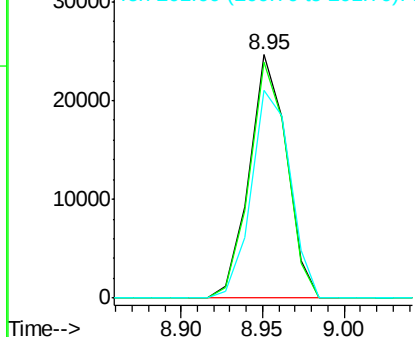


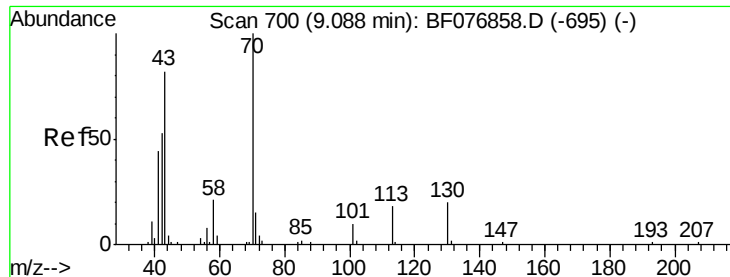
#18  
Hexachloroethane  
Concen: 39.93 ng  
RT: 8.95 min Scan# 688  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:117 Resp: 39252  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.1 115.7  
201 85.4 66.8 100.2



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

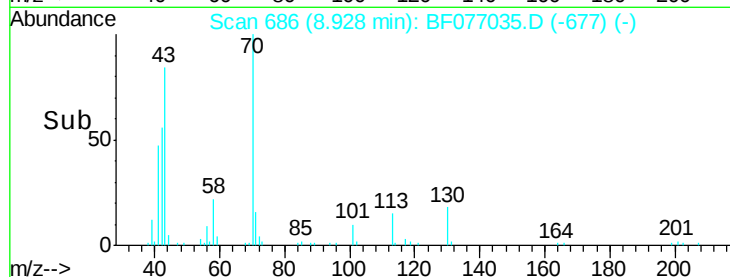
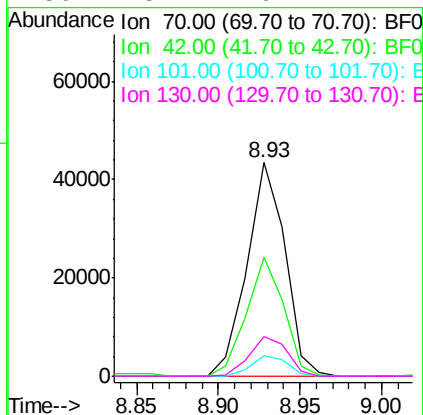
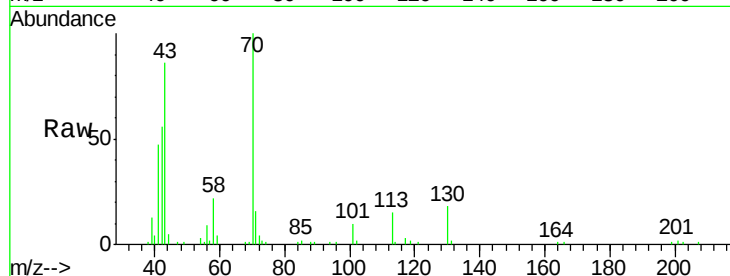




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.25 ng  
RT: 8.93 min Scan# 686  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

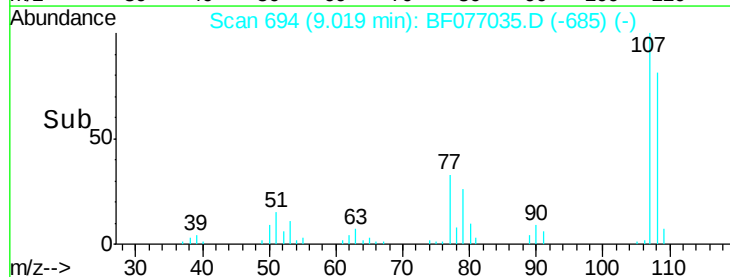
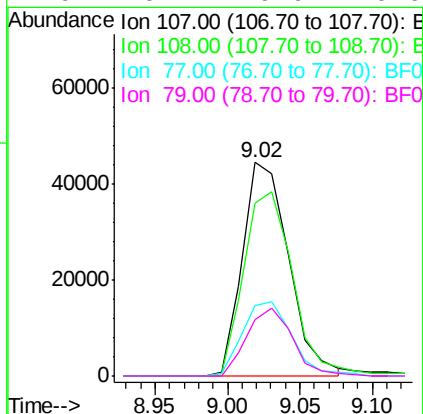
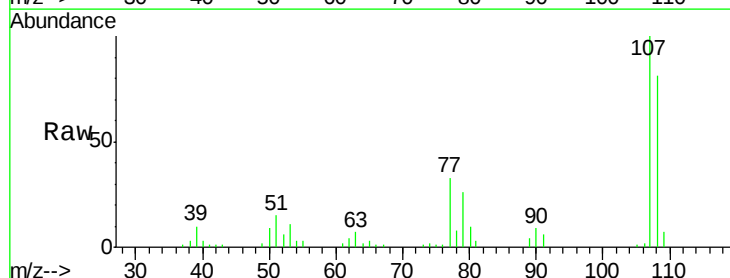
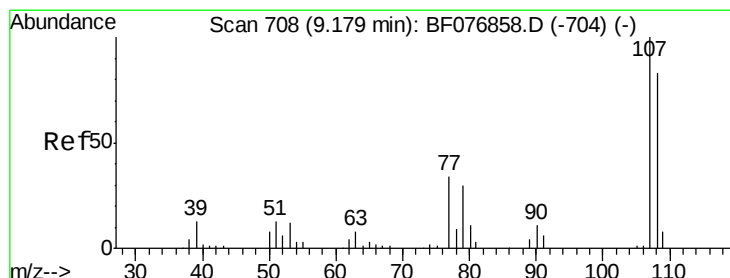
Instrument :  
BNA\_F  
ClientSampleId :

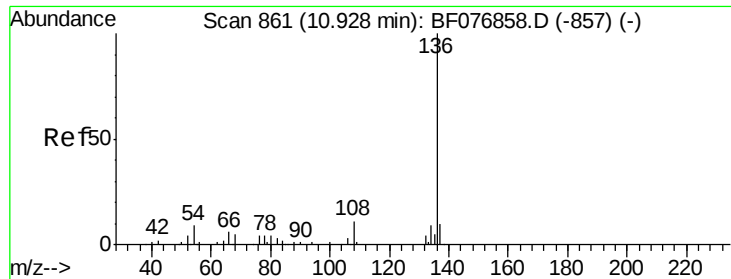
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 70439 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 56.0  | 42.1  | 63.1  |
| 101      | 9.8   | 7.8   | 11.8  |
| 130      | 18.4  | 16.2  | 24.4  |



#20  
3+4-Methylphenols  
Concen: 38.90 ng  
RT: 9.02 min Scan# 694  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 98613 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 81.1  | 63.5  | 103.5 |
| 77       | 33.1  | 14.0  | 54.0  |
| 79       | 26.4  | 9.9   | 49.9  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 142693

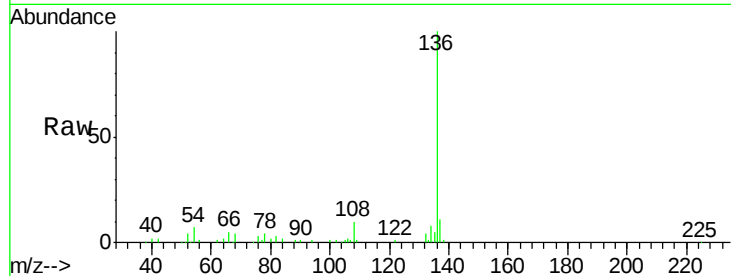
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 7.2 7.0 10.4

68 4.4 3.7 5.5

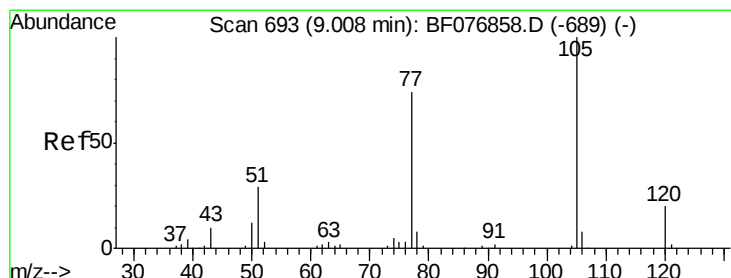
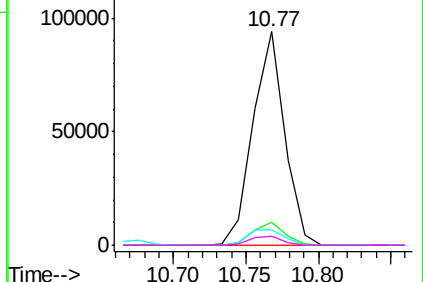
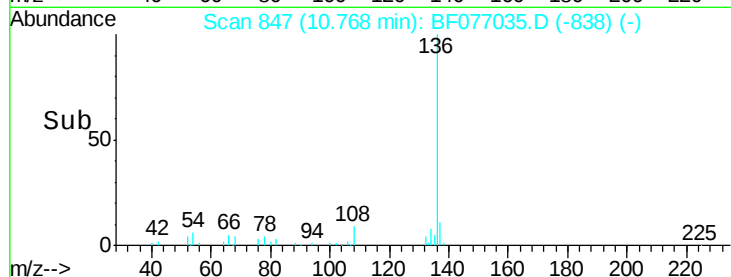


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 40.35 ng

RT: 8.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Tgt Ion:105 Resp: 141015

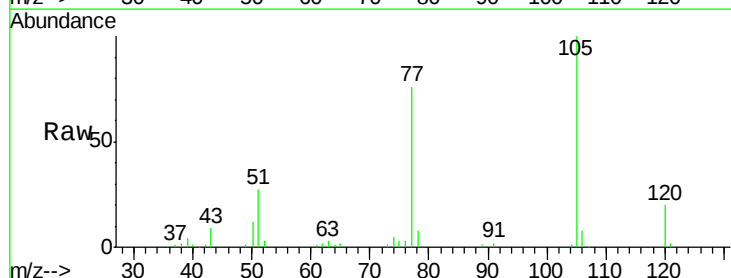
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 27.3 23.3 34.9

120 19.6 16.1 24.1

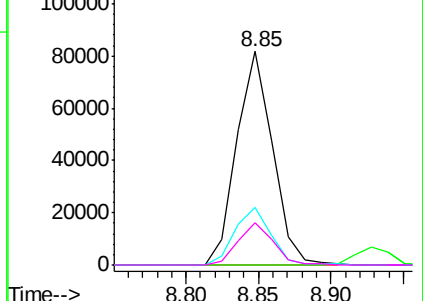
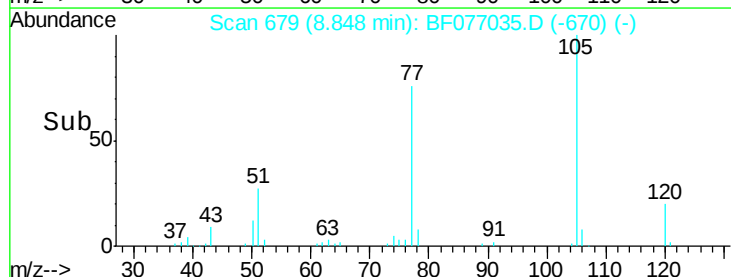


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

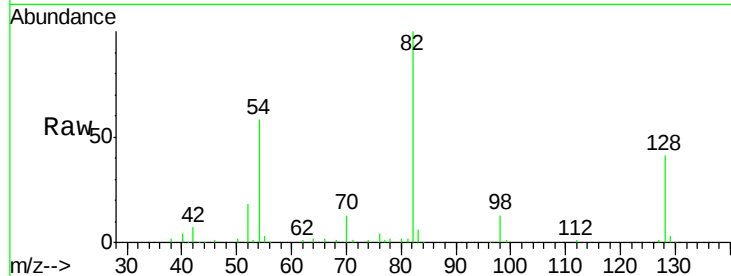




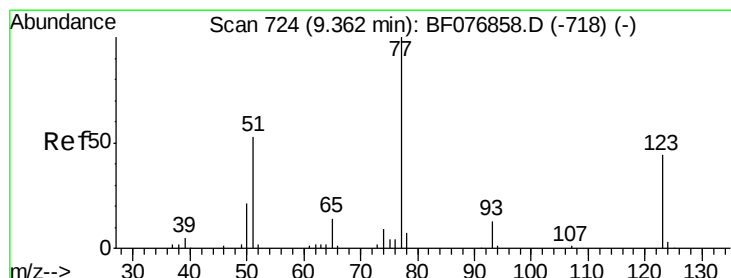
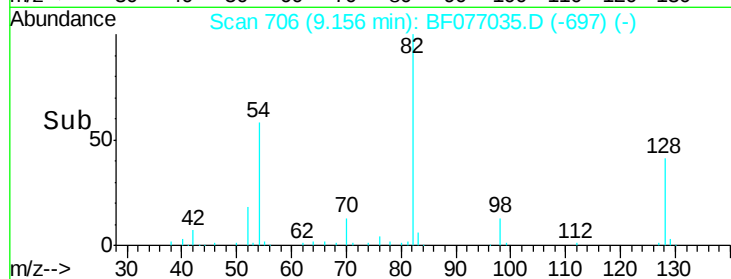
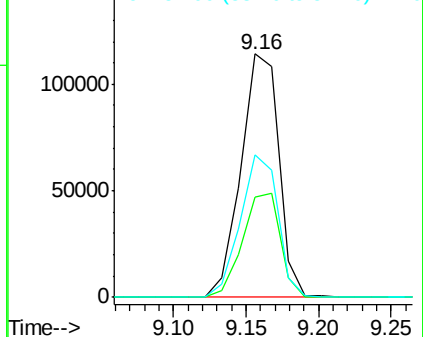
#23  
 Nitrobenzene-d5  
 Concen: 80.44 ng  
 RT: 9.16 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 207184 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 41.2 | 33.1  | 49.7   |
| 54        | 58.4 | 48.3  | 72.5   |

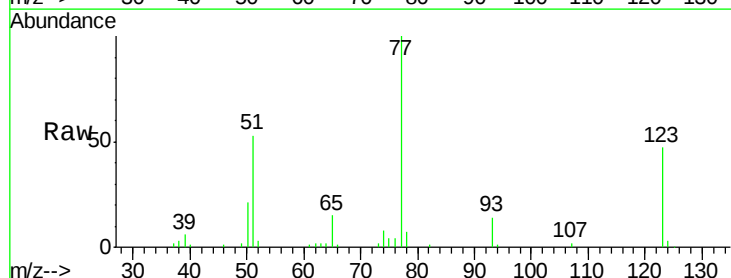


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

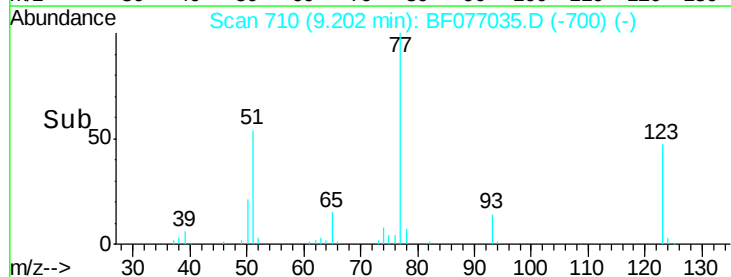
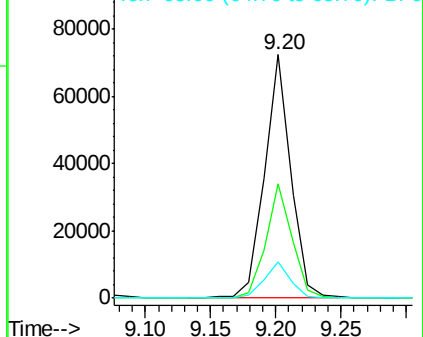


#24  
 Nitrobenzene  
 Concen: 39.07 ng  
 RT: 9.20 min Scan# 710  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

| Tgt Ion   | 77   | Resp  | 102506 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 46.7 | 35.2  | 52.8   |
| 65        | 14.9 | 11.4  | 17.2   |



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 39.30 ng

RT: 9.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

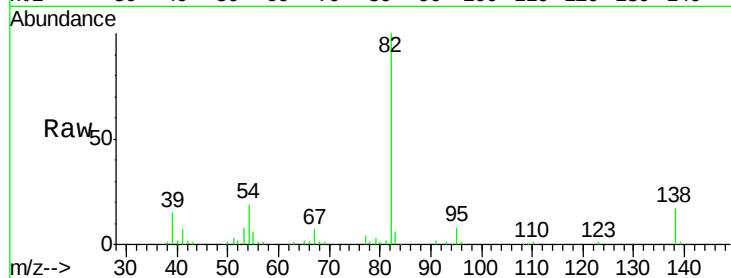
Tot Ion: 82 Resp: 184362

Ion Ratio Lower Upper

82 100

95 7.9 6.6 10.0

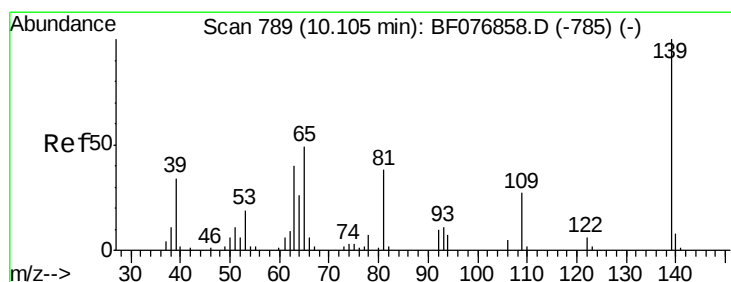
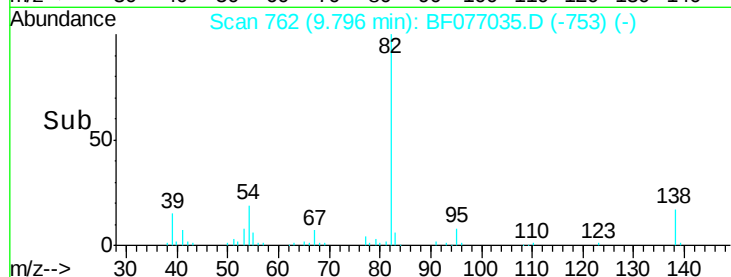
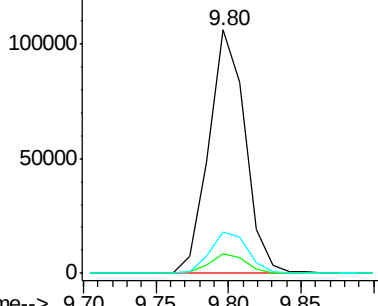
138 17.1 12.6 18.8



Abundance Ion 82.00 (81.70 to 82.70): BF076858.D (-772) (-)

Ion 95.00 (94.70 to 95.70): BF076858.D (-772) (-)

Ion 138.00 (137.70 to 138.70): BF076858.D (-772) (-)



#26

2-Nitrophenol

Concen: 39.78 ng

RT: 9.93 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

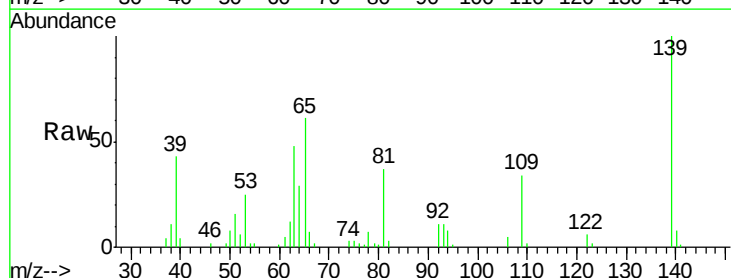
Tgt Ion: 139 Resp: 53021

Ion Ratio Lower Upper

139 100

109 33.9 21.3 31.9#

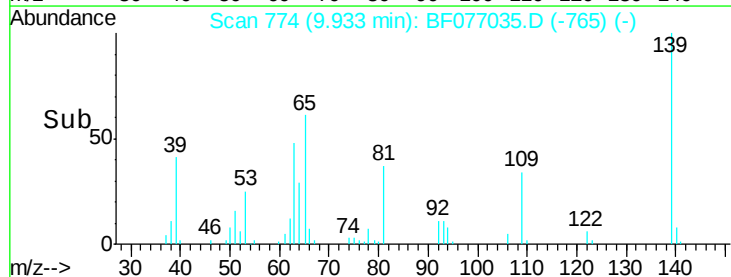
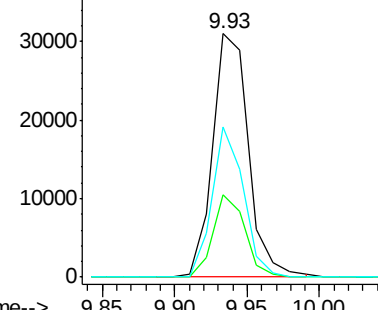
65 61.4 39.4 59.0#



Abundance Ion 139.00 (138.70 to 139.70): BF076858.D (-785) (-)

Ion 109.00 (108.70 to 109.70): BF076858.D (-785) (-)

Ion 65.00 (64.70 to 65.70): BF076858.D (-785) (-)

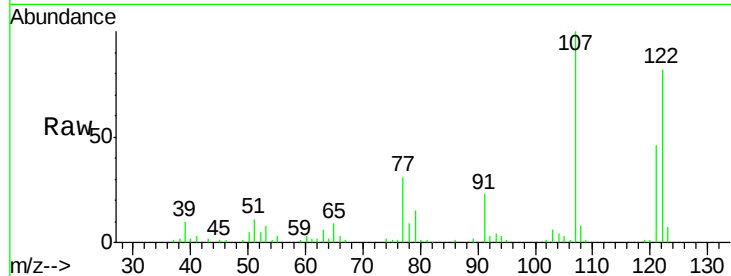




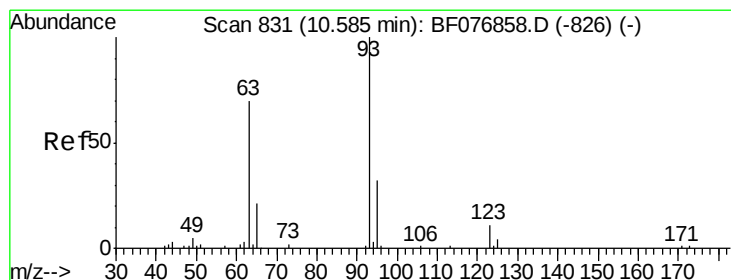
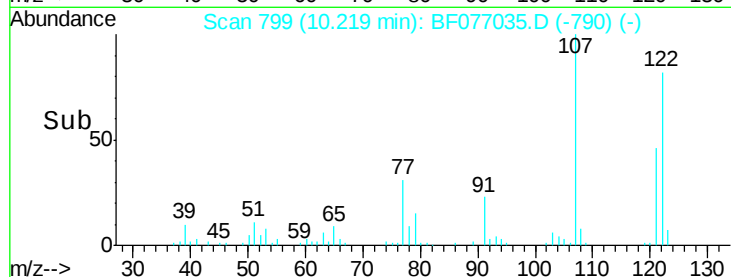
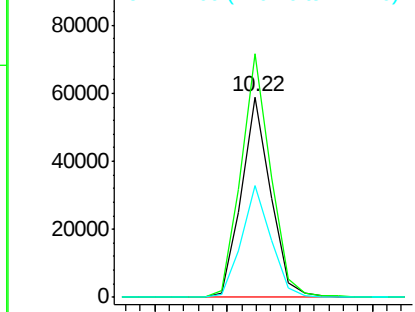
#27  
 2,4-Dimethylphenol  
 Concen: 40.77 ng  
 RT: 10.22 min Scan# 799  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:122 Resp: 82717  
 Ion Ratio Lower Upper  
 122 100  
 107 121.4 95.2 142.8  
 121 56.0 42.9 64.3

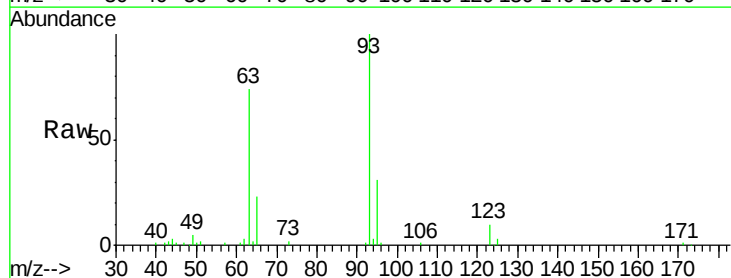


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

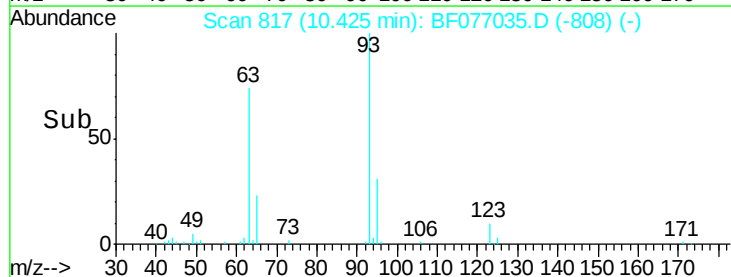
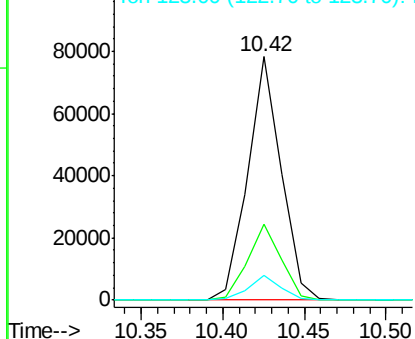


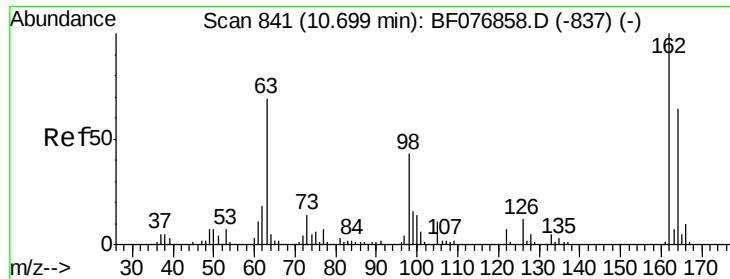
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.68 ng  
 RT: 10.42 min Scan# 817  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion: 93 Resp: 111117  
 Ion Ratio Lower Upper  
 93 100  
 95 31.3 25.6 38.4  
 123 10.3 8.9 13.3



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E

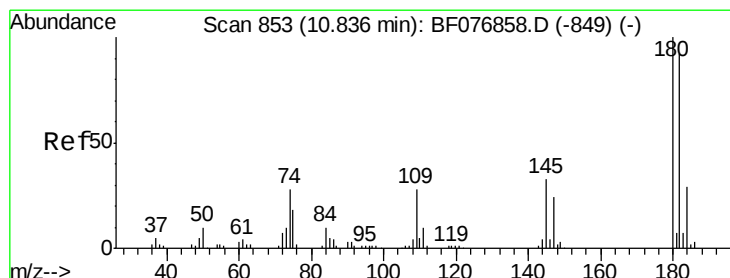
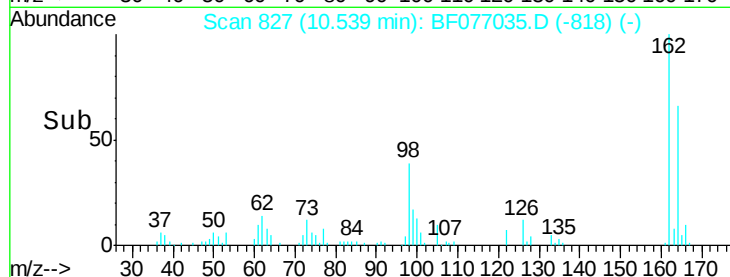
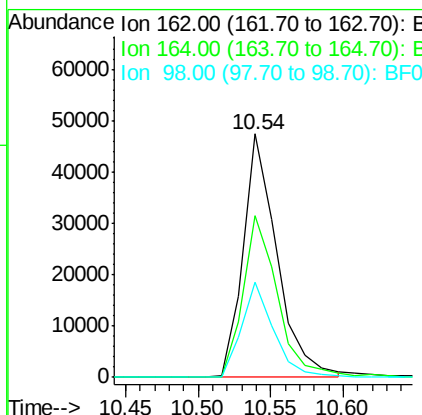
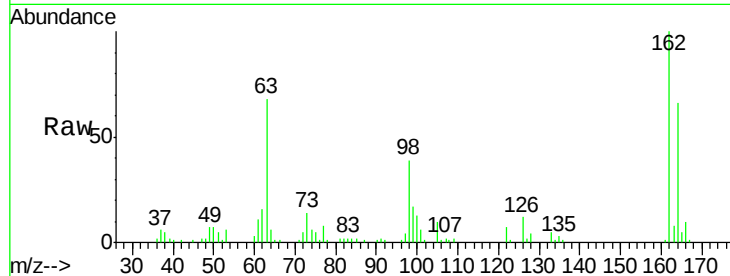




#29  
2,4-Dichlorophenol  
Concen: 40.63 ng  
RT: 10.54 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

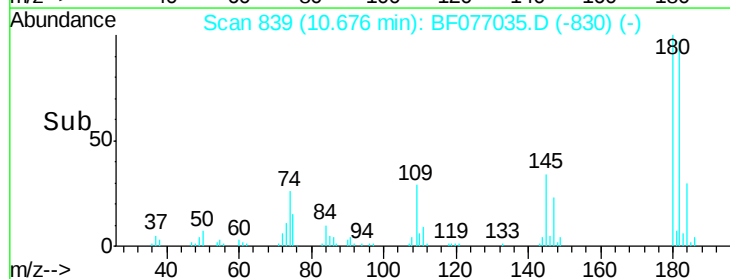
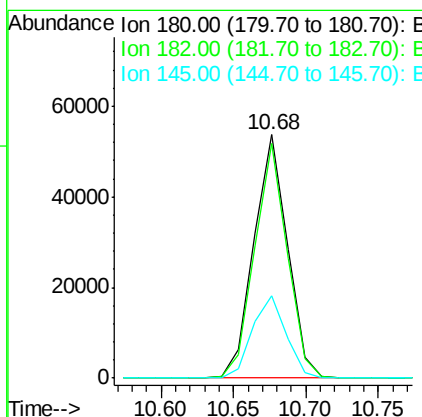
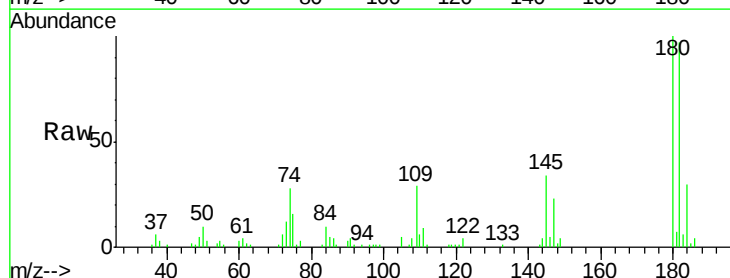
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 76836  
Ion Ratio Lower Upper  
162 100  
164 66.3 43.8 83.8  
98 39.3 22.5 62.5



#30  
1,2,4-Trichlorobenzene  
Concen: 40.94 ng  
RT: 10.68 min Scan# 839  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:180 Resp: 86000  
Ion Ratio Lower Upper  
180 100  
182 96.5 73.6 110.4  
145 34.0 26.6 39.8

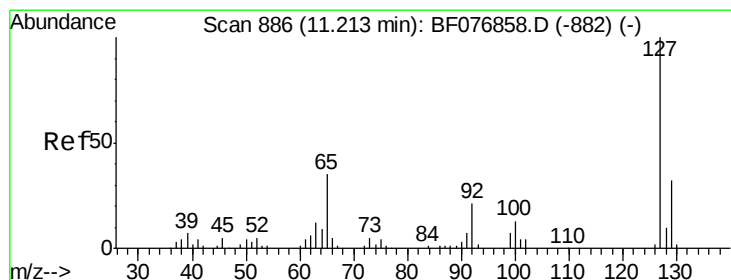
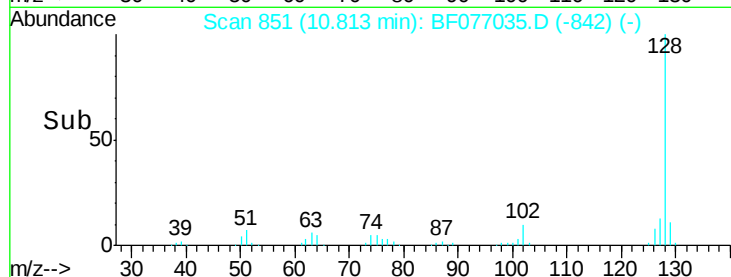
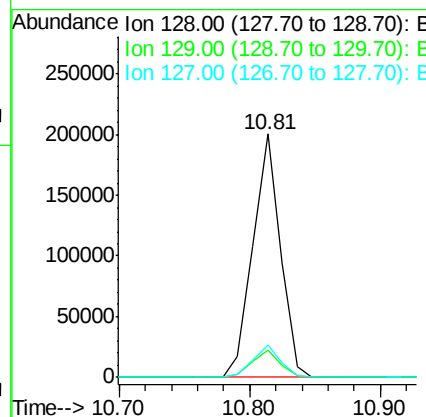
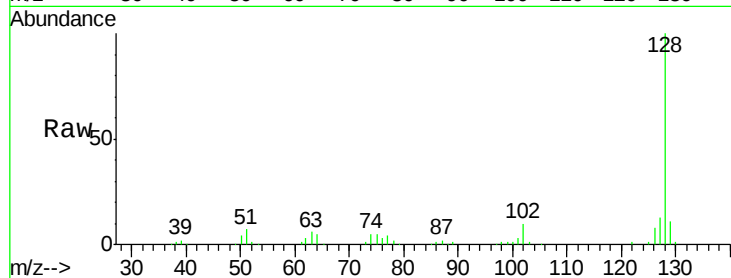




#31  
Naphthalene  
Concen: 40.24 ng  
RT: 10.81 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

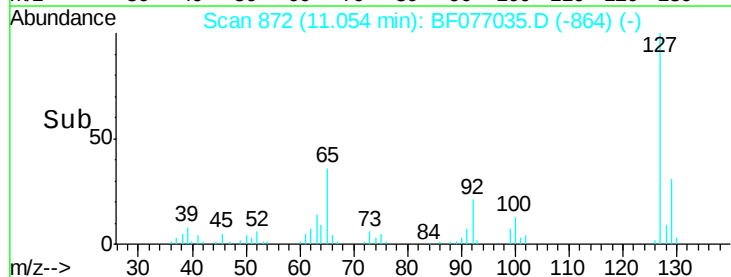
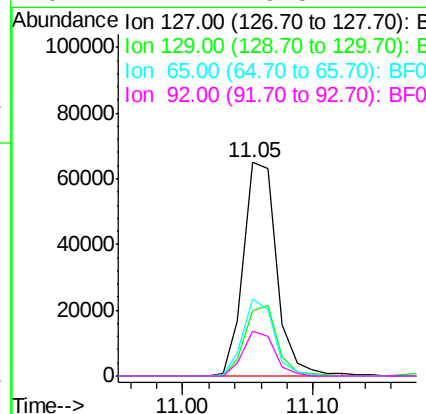
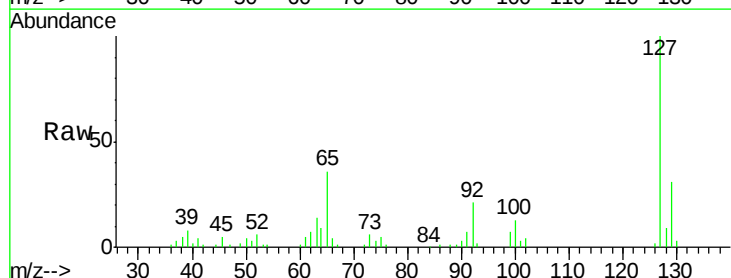
Instrument :  
BNA\_F  
ClientSampled :

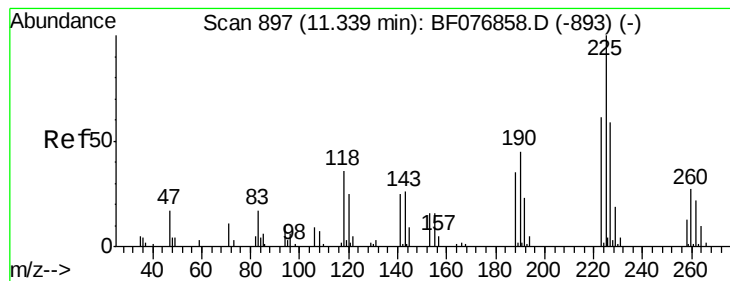
Tot Ion:128 Resp: 295620  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.5 10.2 15.2



#33  
4-Chloroaniline  
Concen: 38.88 ng  
RT: 11.05 min Scan# 872  
Delta R.T. -0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:127 Resp: 115424  
Ion Ratio Lower Upper  
127 100  
129 30.8 25.3 37.9  
65 36.0 27.8 41.6  
92 21.1 16.5 24.7





#34

Hexachlorobutadiene

Concen: 39.88 ng

RT: 11.18 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

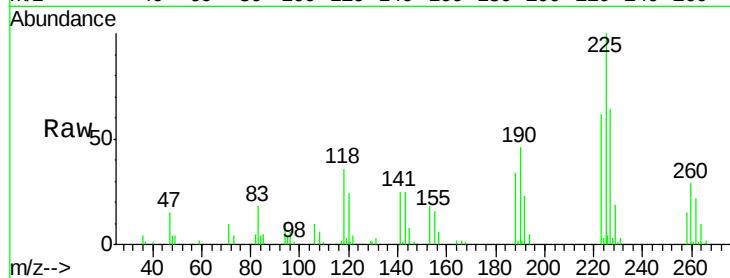
Tot Ion:225 Resp: 49696

Ion Ratio Lower Upper

225 100

223 61.9 49.1 73.7

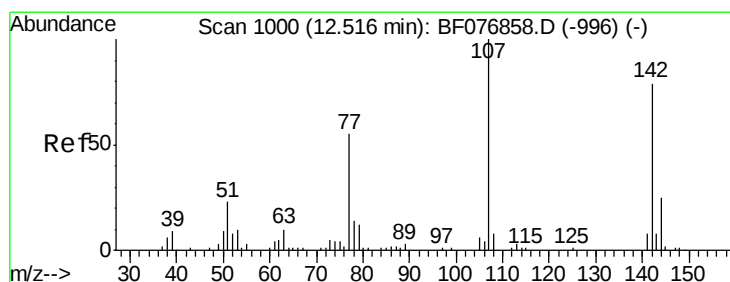
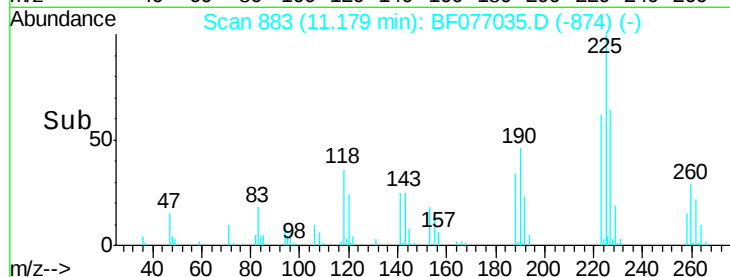
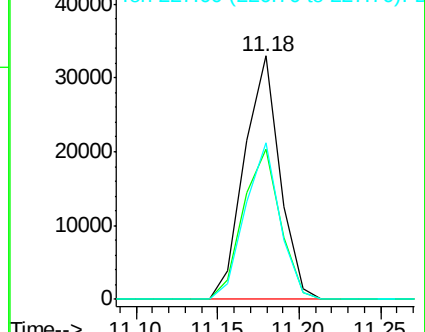
227 64.2 47.5 71.3



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 39.81 ng

RT: 12.36 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

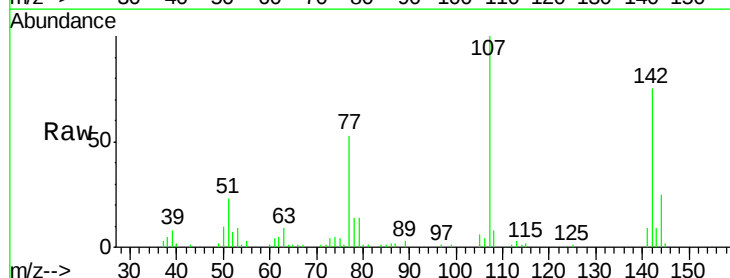
Tgt Ion:107 Resp: 86206

Ion Ratio Lower Upper

107 100

144 25.0 20.0 30.0

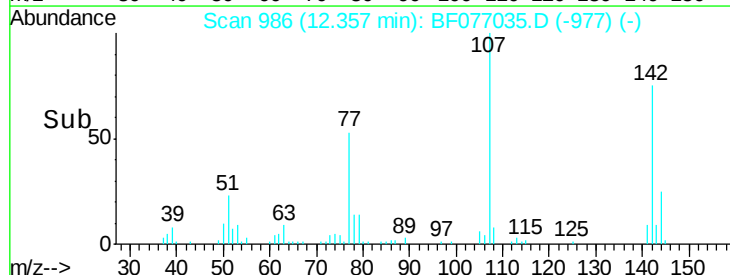
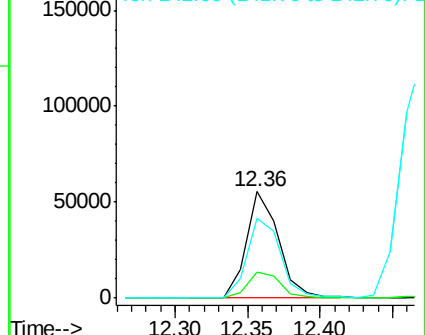
142 74.9 63.5 95.3

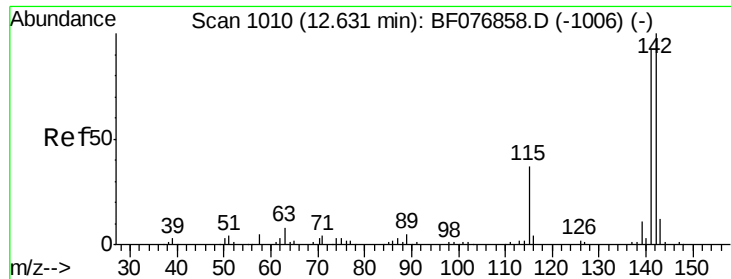


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

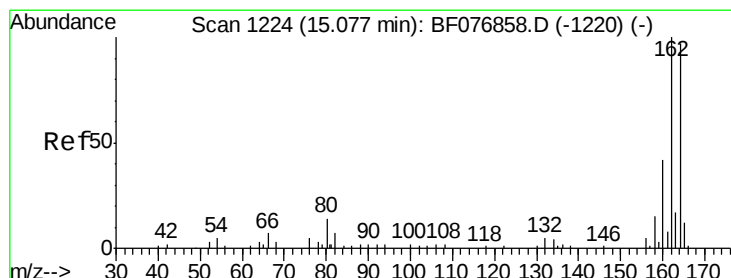
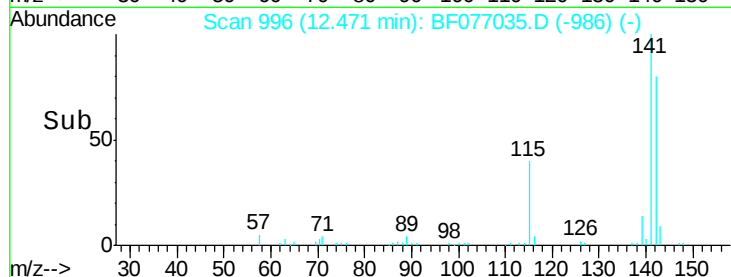
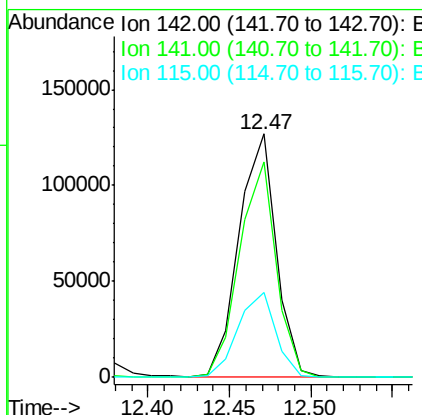
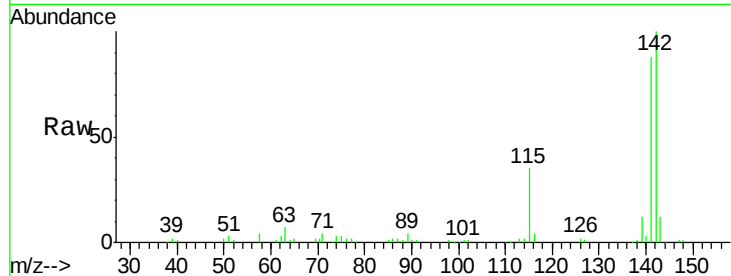




#37  
2-Methylnaphthalene  
Concen: 39.99 ng  
RT: 12.47 min Scan# 996  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

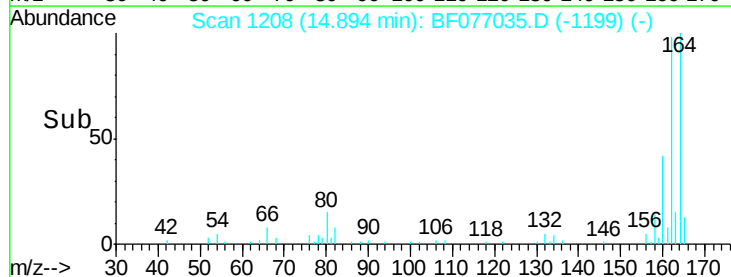
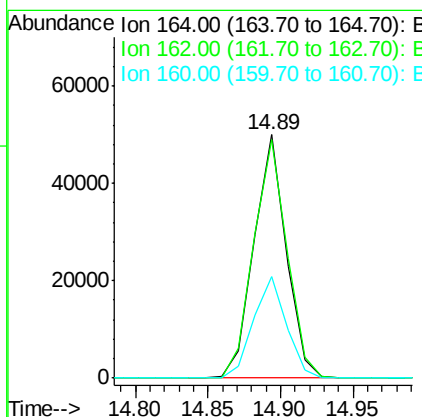
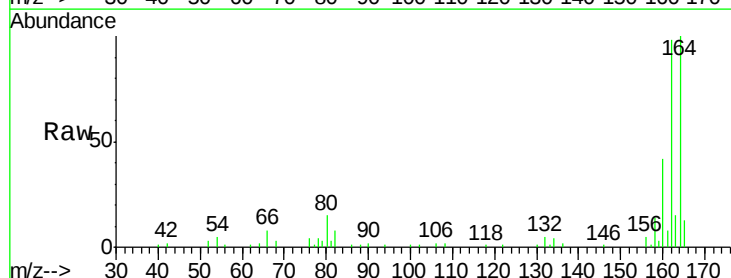
Instrument :  
BNA\_F  
ClientSampleId :

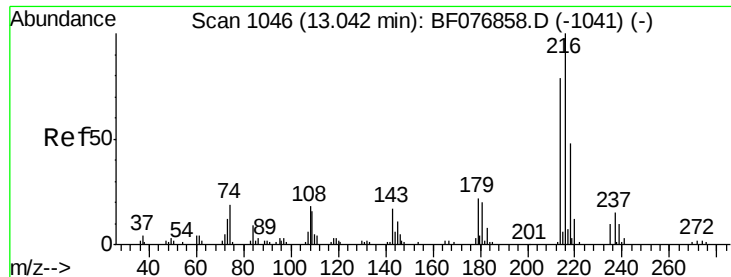
Tot Ion:142 Resp: 200624  
Ion Ratio Lower Upper  
142 100  
141 88.4 74.5 111.7  
115 34.8 29.7 44.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.89 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:164 Resp: 77375  
Ion Ratio Lower Upper  
164 100  
162 97.9 82.4 123.6  
160 41.8 34.8 52.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.85 ng

RT: 12.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 76223

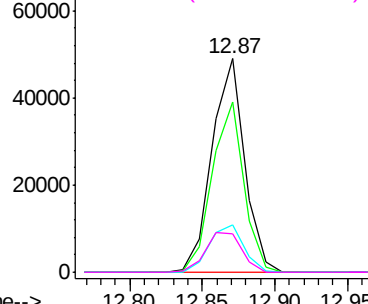
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 77.8  | 64.9  | 97.3  |
| 179 | 23.2  | 18.6  | 28.0  |
| 108 | 20.9  | 18.1  | 27.1  |

Abundance Ion 216.00 (215.70 to 216.70): E

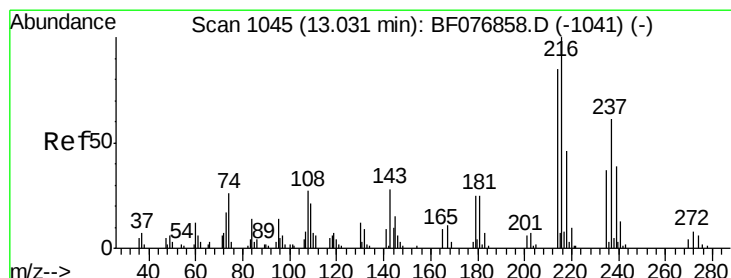
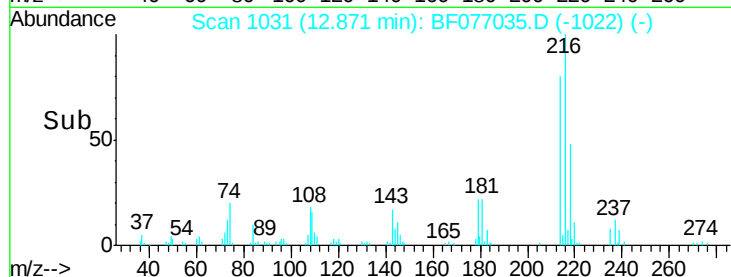
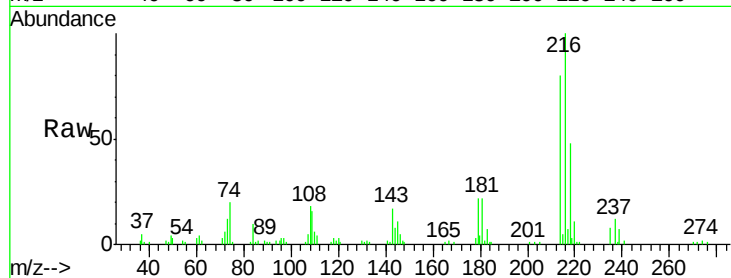
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 30.93 ng

RT: 12.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

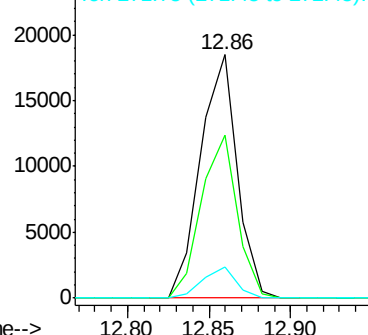
Tgt Ion:237 Resp: 28784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 66.7  | 40.4  | 80.4  |
| 272 | 12.9  | 0.0   | 33.2  |

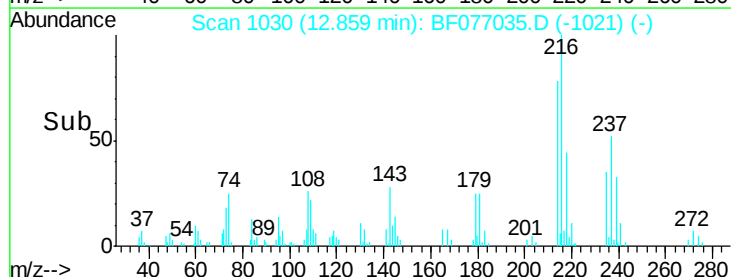
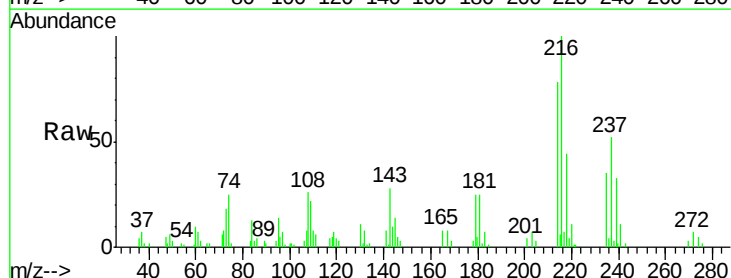
Abundance Ion 236.80 (236.50 to 237.50): E

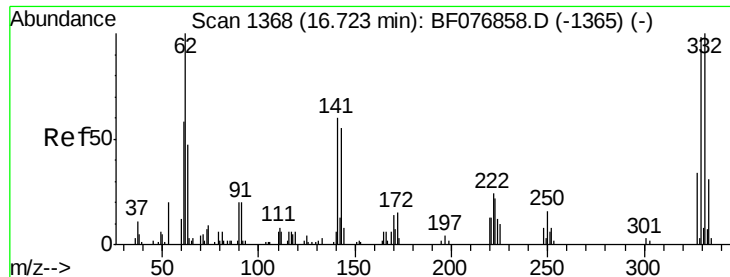
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

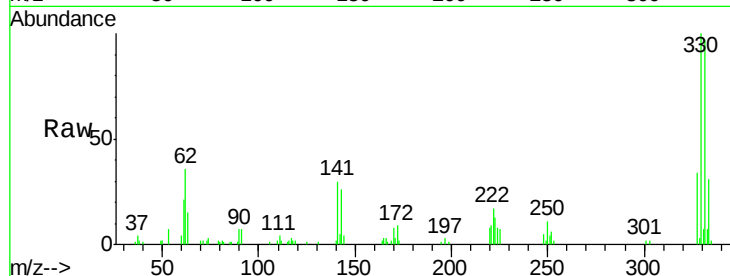




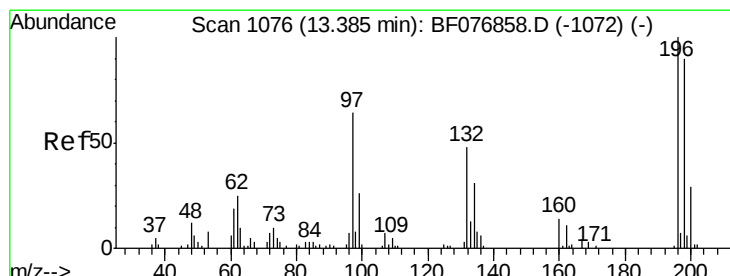
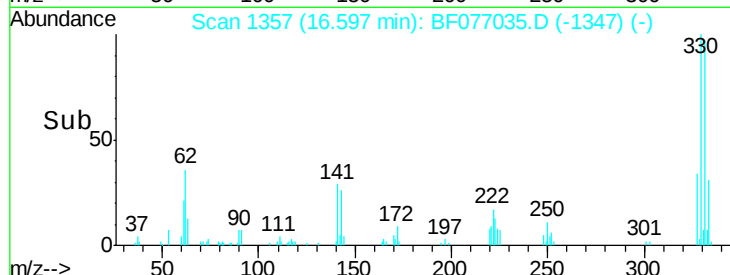
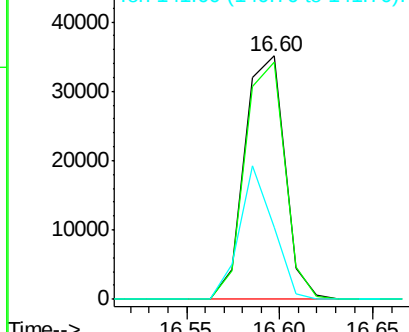
#41  
 2,4,6-Tribromophenol  
 Concen: 83.61 ng  
 RT: 16.60 min Scan# 1357  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 52513  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.8 116.6  
 141 46.4 38.5 57.7

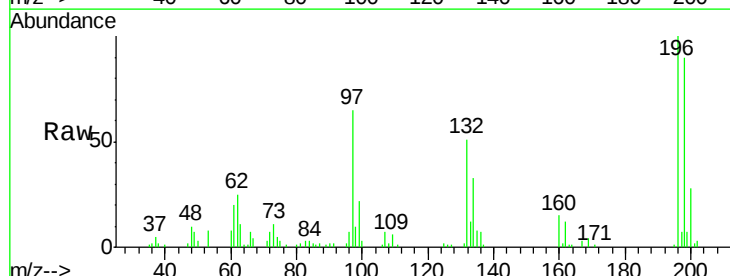


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

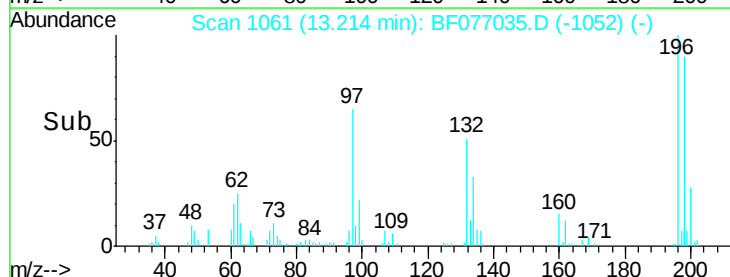
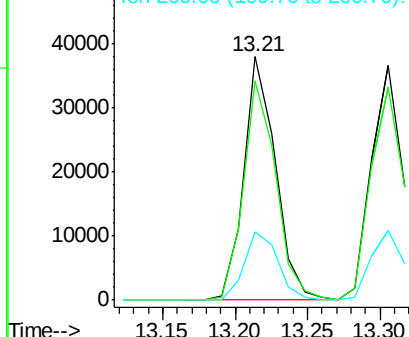


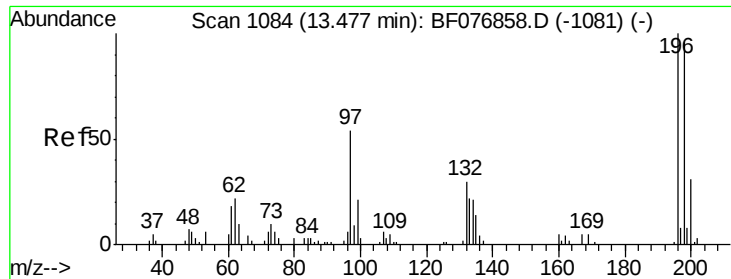
#42  
 2,4,6-Trichlorophenol  
 Concen: 41.30 ng  
 RT: 13.21 min Scan# 1061  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:196 Resp: 57562  
 Ion Ratio Lower Upper  
 196 100  
 198 90.0 72.0 108.0  
 200 28.2 23.4 35.2



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

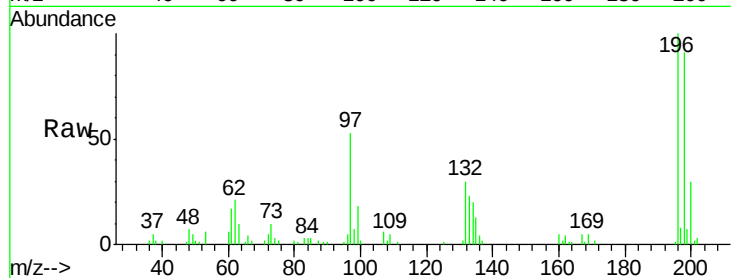




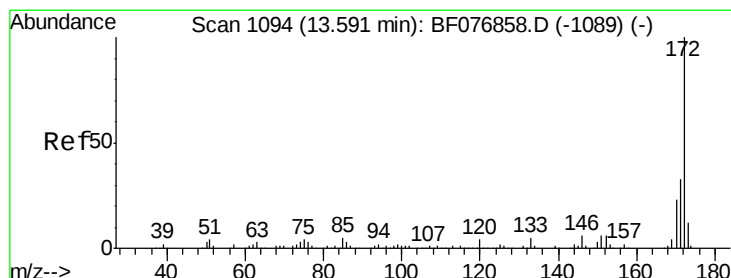
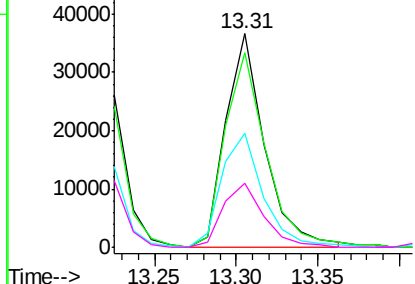
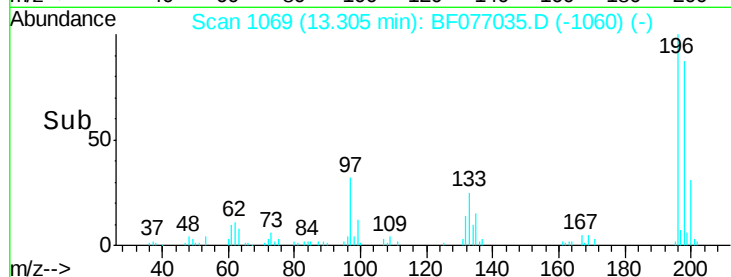
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.75 ng  
 RT: 13.31 min Scan# 1069  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 60767  
 Ion Ratio Lower Upper  
 196 100  
 198 90.8 76.6 115.0  
 97 53.1 43.4 65.0  
 132 30.3 23.7 35.5

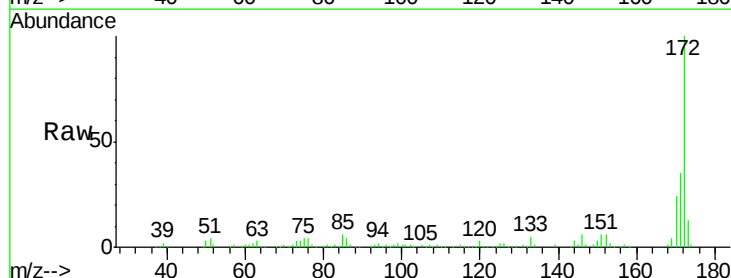


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

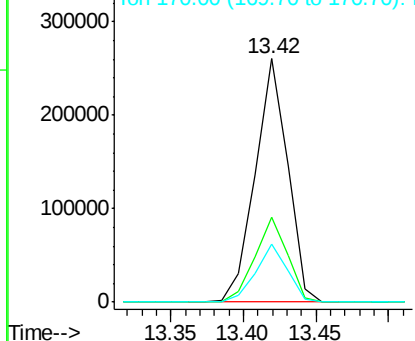
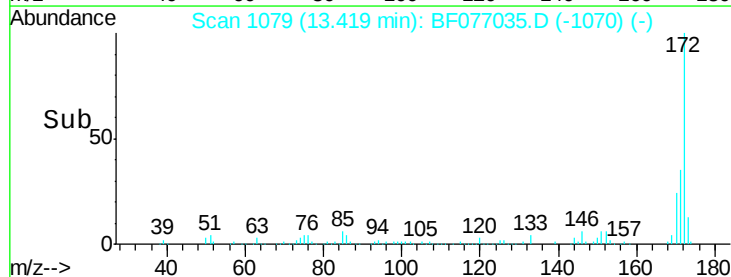


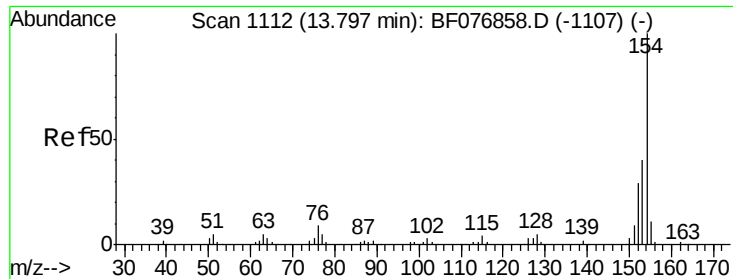
#44  
 2-Fluorobiphenyl  
 Concen: 79.43 ng  
 RT: 13.42 min Scan# 1079  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:172 Resp: 403843  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 26.6 40.0  
 170 23.8 18.0 27.0



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

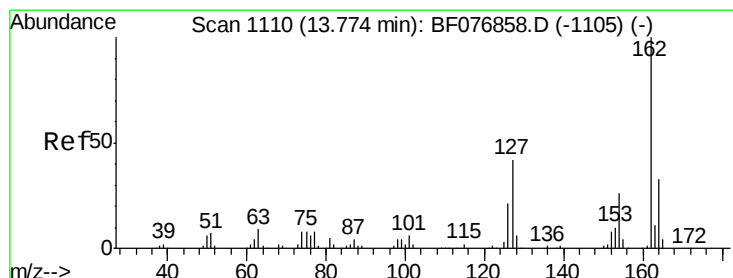
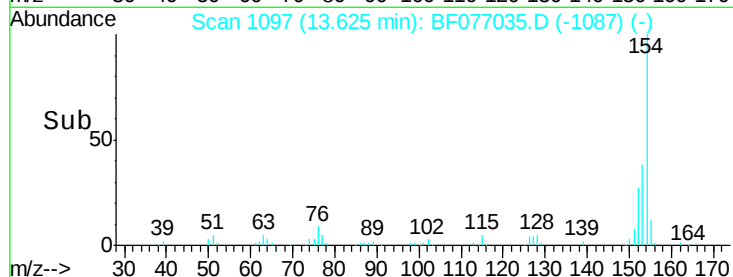
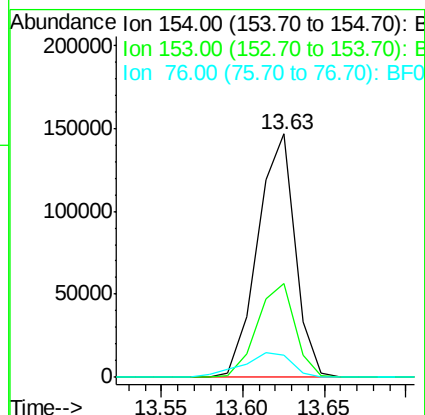
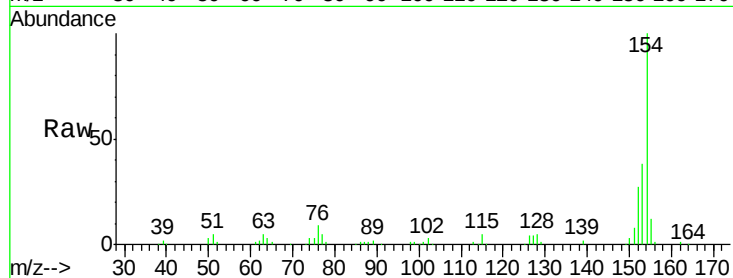




#45  
 1,1'-Biphenyl  
 Concen: 40.71 ng  
 RT: 13.63 min Scan# 1097  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

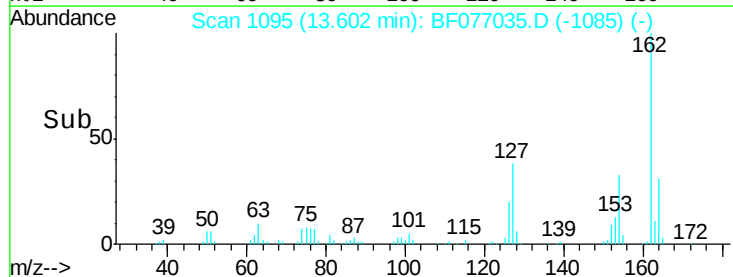
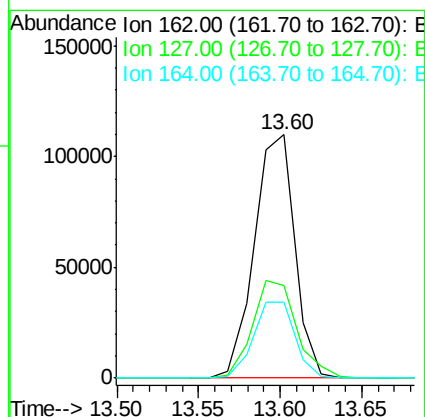
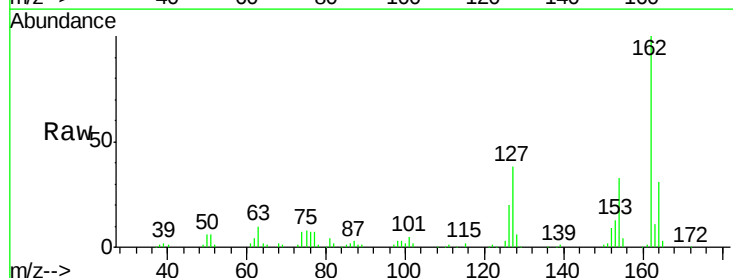
Instrument :  
 BNA\_F  
 ClientSampleId :

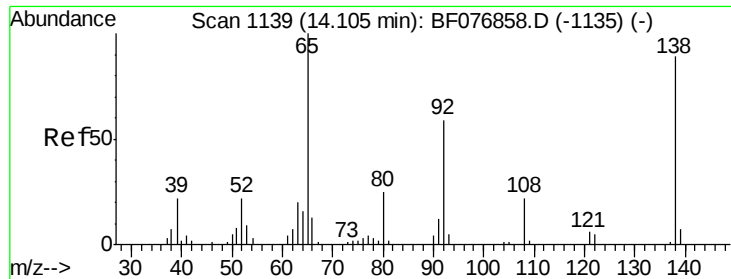
Tot Ion:154 Resp: 233521  
 Ion Ratio Lower Upper  
 154 100  
 153 38.4 20.2 60.2  
 76 9.0 0.0 29.0



#46  
 2-Chloronaphthalene  
 Concen: 40.13 ng  
 RT: 13.60 min Scan# 1095  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:162 Resp: 189406  
 Ion Ratio Lower Upper  
 162 100  
 127 37.9 33.8 50.6  
 164 31.2 26.8 40.2





#47

2-Nitroaniline

Concen: 41.01 ng

RT: 13.95 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampled :

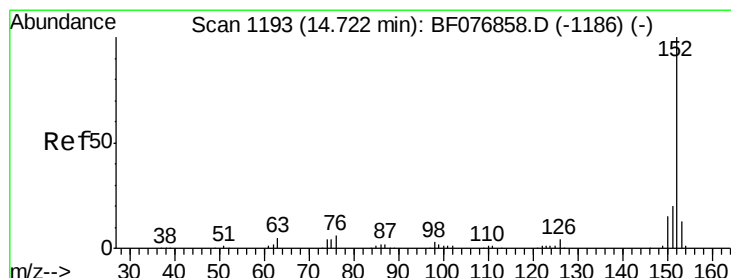
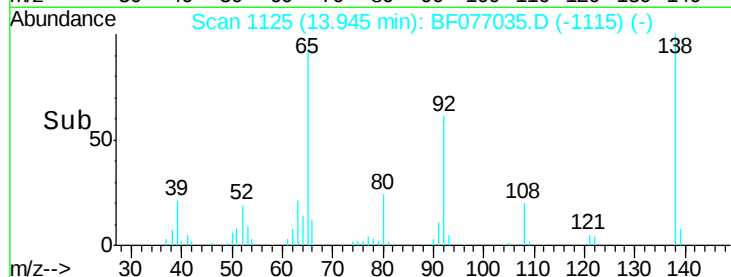
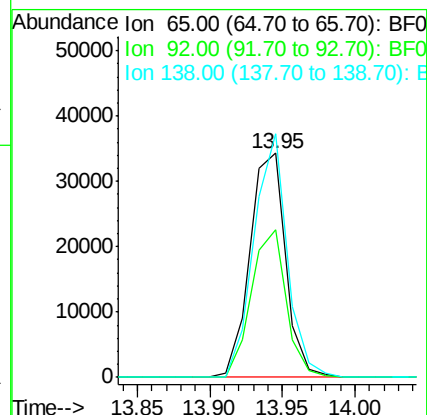
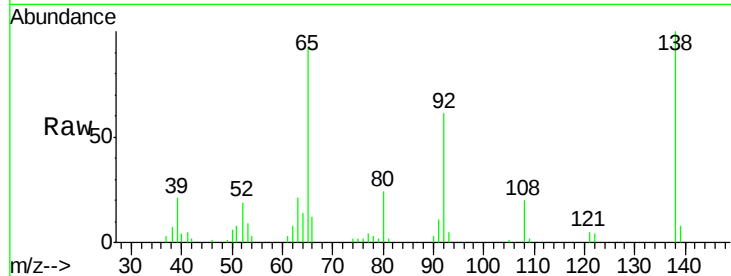
Tot Ion: 65 Resp: 58729

Ion Ratio Lower Upper

65 100

92 65.8 47.3 70.9

138 108.8 71.4 107.2#



#48

Acenaphthylene

Concen: 39.87 ng

RT: 14.55 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

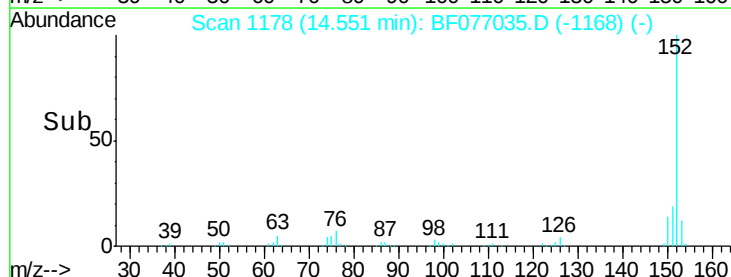
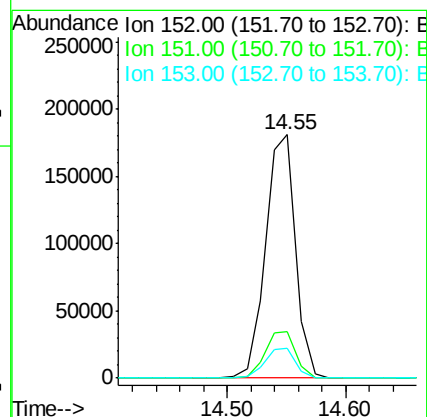
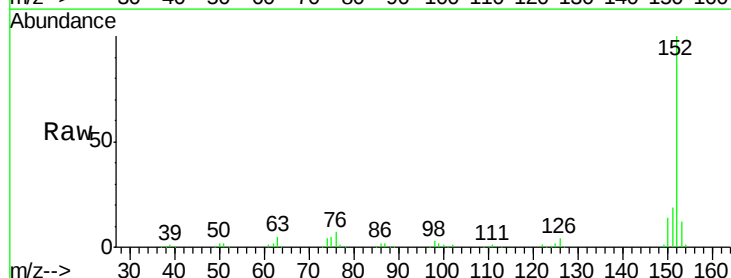
Tgt Ion: 152 Resp: 317473

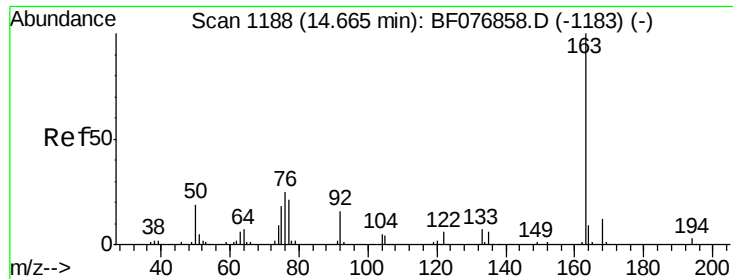
Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

153 12.4 10.2 15.4

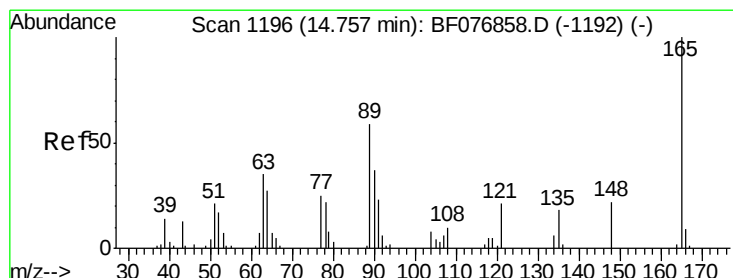
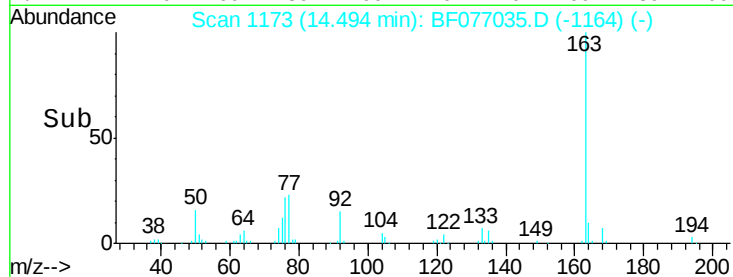
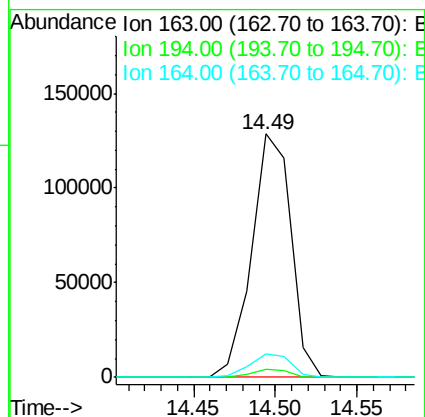
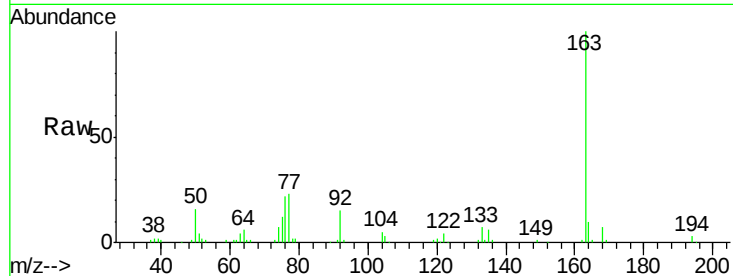




#49  
Dimethylphthalate  
Concen: 39.24 ng  
RT: 14.49 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

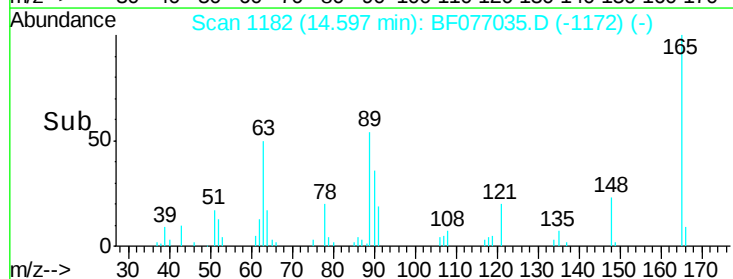
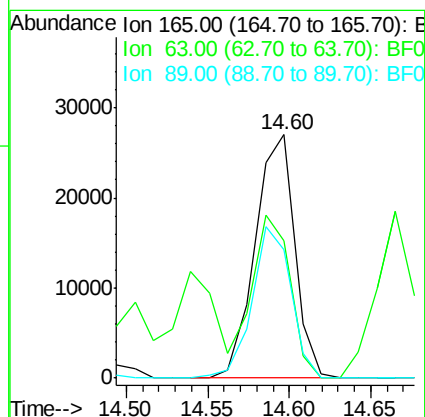
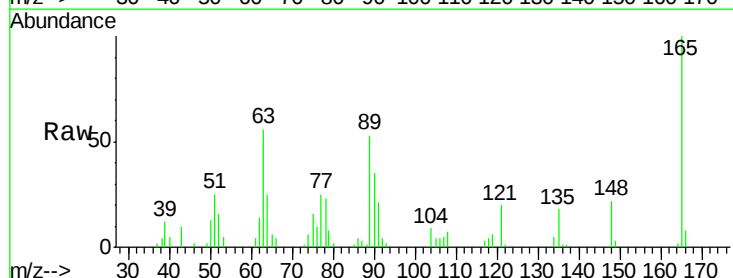
Instrument :  
BNA\_F  
ClientSampleId :

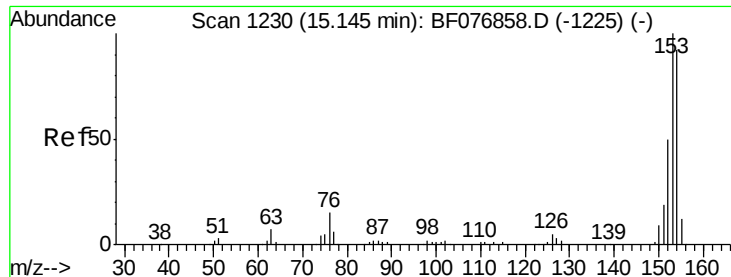
Tot Ion:163 Resp: 215292  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 9.8 7.5 11.3



#50  
2,6-Dinitrotoluene  
Concen: 41.55 ng  
RT: 14.60 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:165 Resp: 45547  
Ion Ratio Lower Upper  
165 100  
63 56.5 48.1 72.1  
89 52.8 47.2 70.8





#51

Acenaphthene

Concen: 39.22 ng

RT: 14.97 min Scan# 1215

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

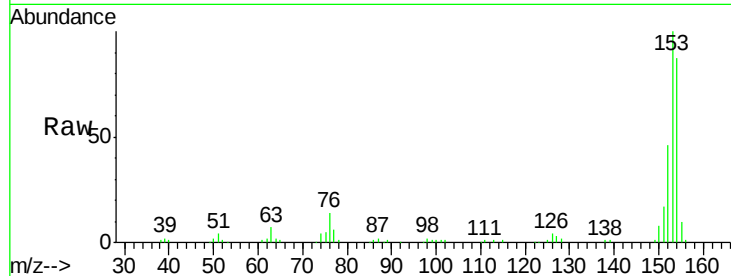
Tot Ion:154 Resp: 177188

Ion Ratio Lower Upper

154 100

153 114.5 87.0 130.6

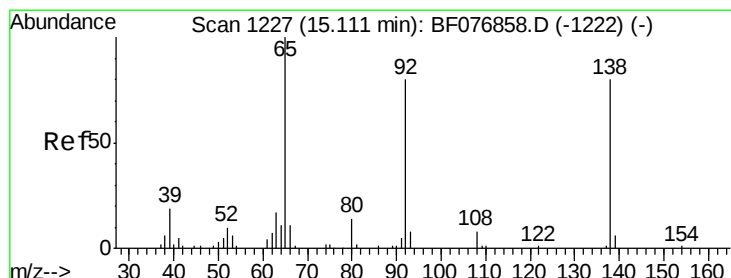
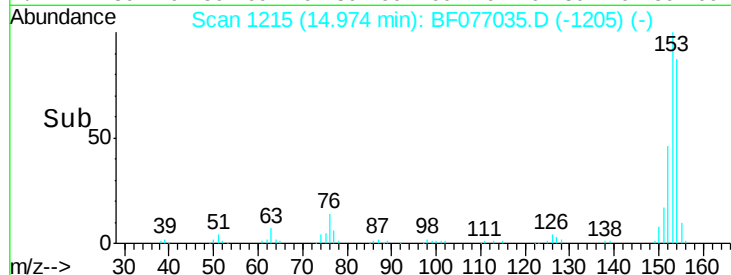
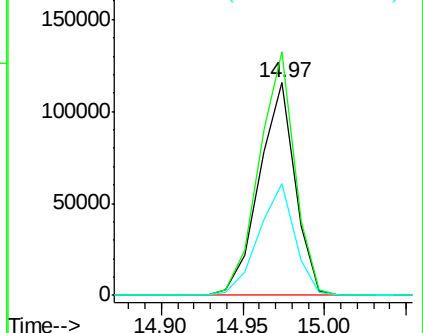
152 52.4 43.5 65.3



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: 38.02 ng

RT: 14.94 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

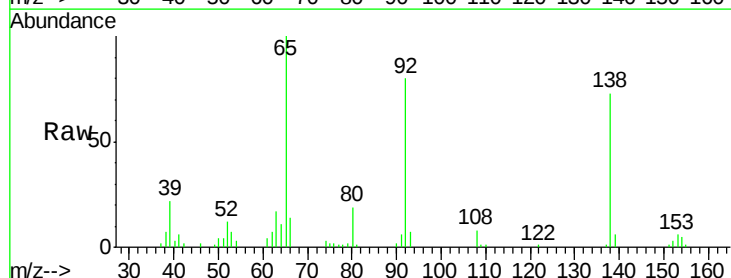
Tgt Ion:138 Resp: 53873

Ion Ratio Lower Upper

138 100

108 10.6 8.3 12.5

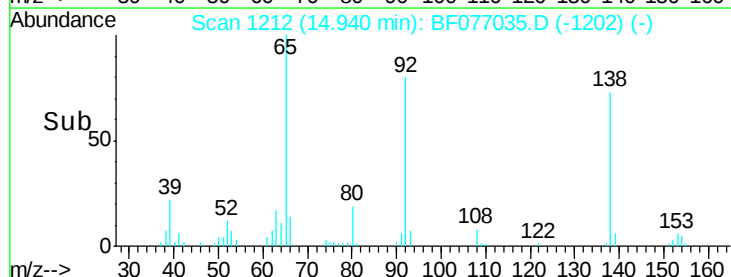
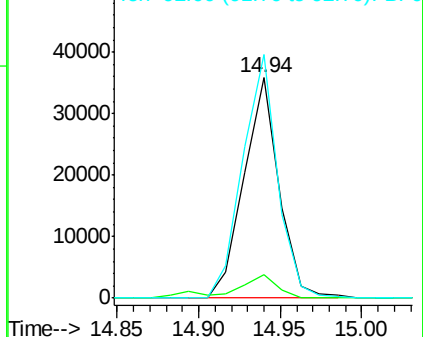
92 110.6 80.9 121.3

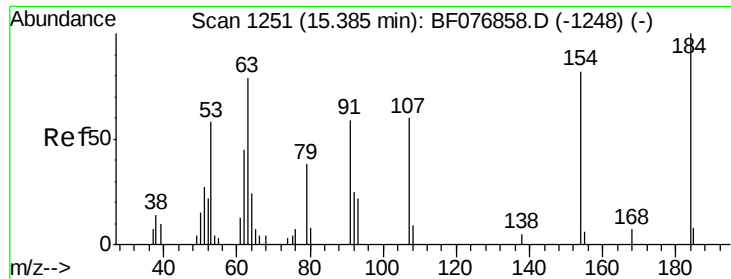


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

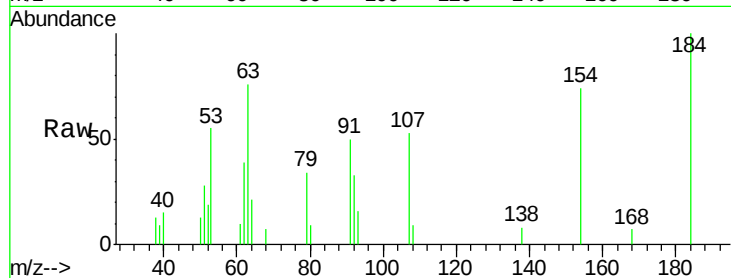




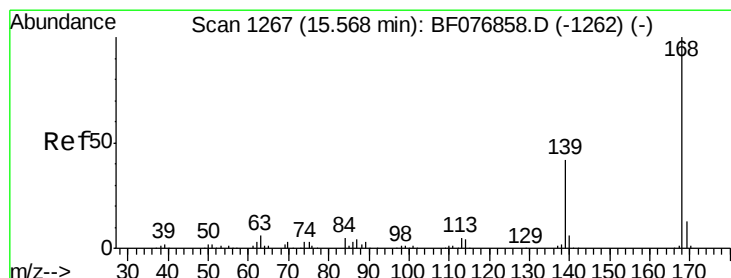
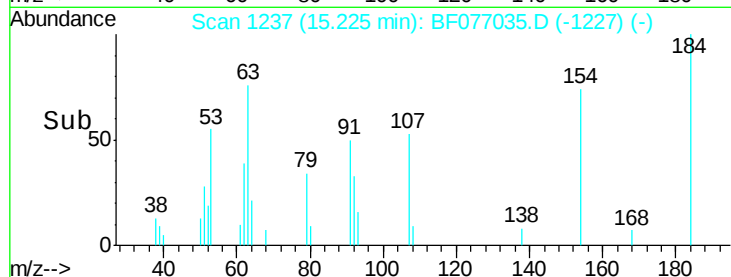
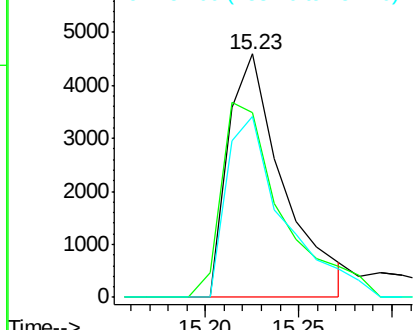
#53  
 2,4-Dinitrophenol  
 Concen: 27.47 ng  
 RT: 15.23 min Scan# 1237  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 9479  
 Ion Ratio Lower Upper  
 184 100  
 63 76.1 63.0 94.6  
 154 74.2 65.5 98.3

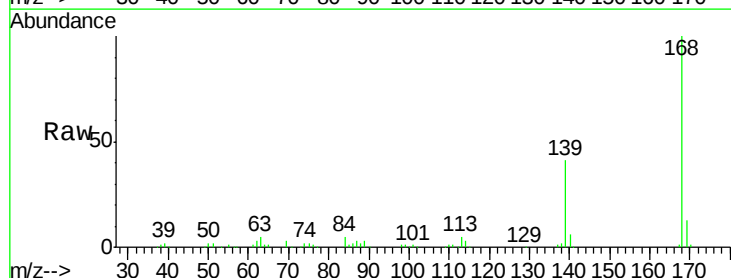


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

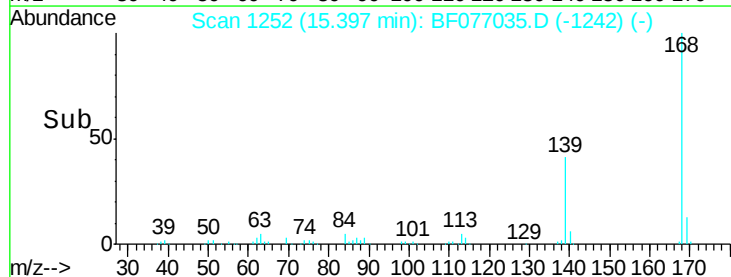
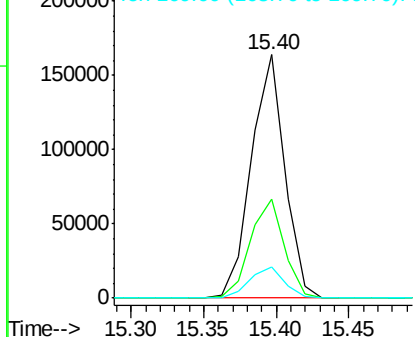


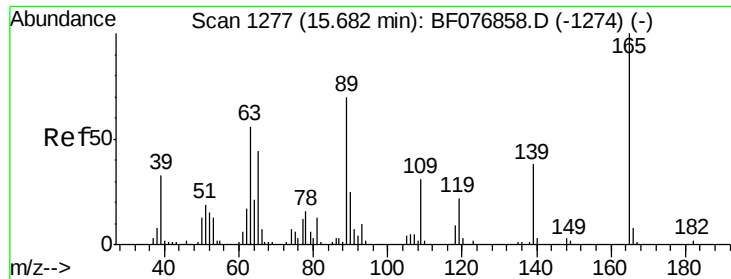
#54  
 Dibenzofuran  
 Concen: 39.89 ng  
 RT: 15.40 min Scan# 1252  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:168 Resp: 262492  
 Ion Ratio Lower Upper  
 168 100  
 139 40.9 33.4 50.2  
 169 12.6 10.6 15.8



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

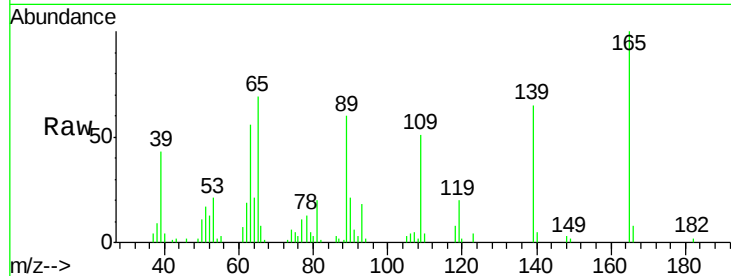




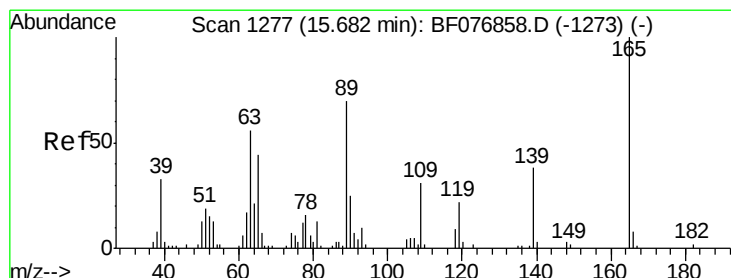
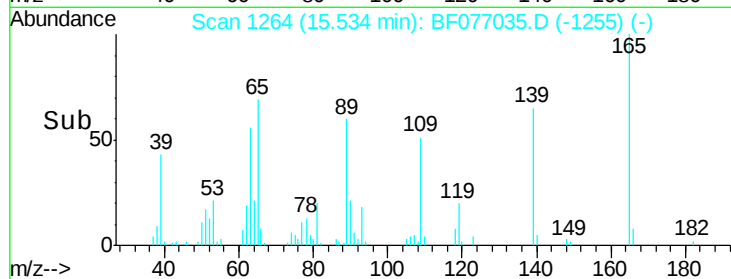
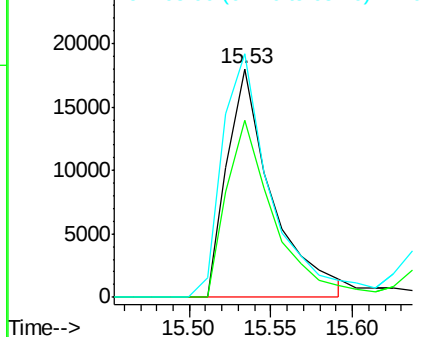
#55  
4-Nitrophenol  
Concen: 40.03 ng  
RT: 15.53 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 34432  
Ion Ratio Lower Upper  
139 100  
109 77.6 61.0 101.0  
65 106.5 96.6 136.6

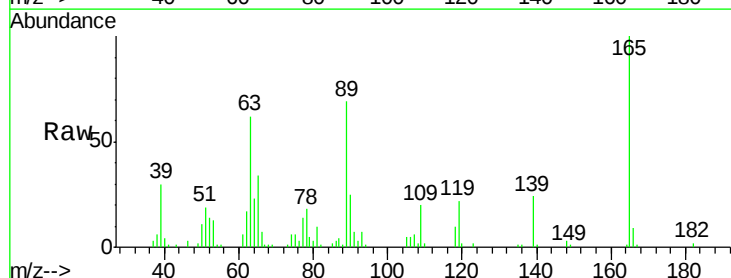


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

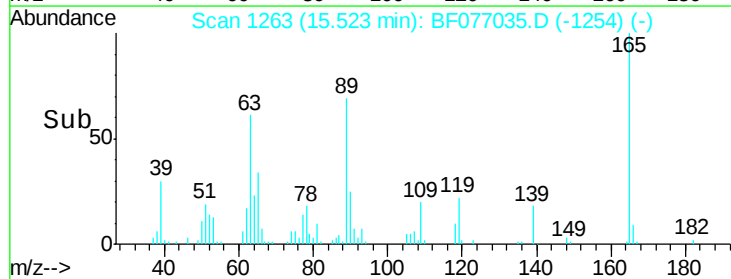
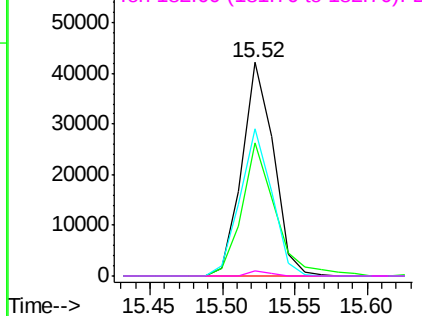


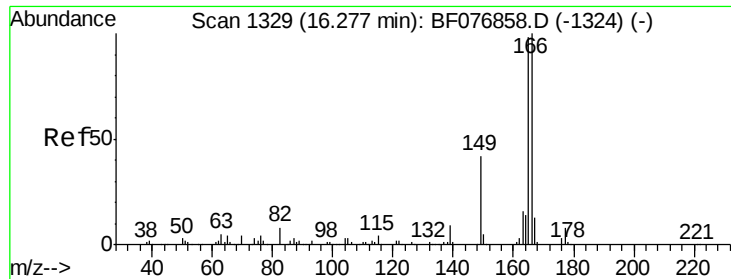
#56  
2,4-Dinitrotoluene  
Concen: 39.31 ng  
RT: 15.52 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:165 Resp: 63951  
Ion Ratio Lower Upper  
165 100  
63 62.1 44.8 67.2  
89 68.8 56.2 84.2  
182 2.3 1.5 2.3#



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  
Ion 182.00 (181.70 to 182.70): E

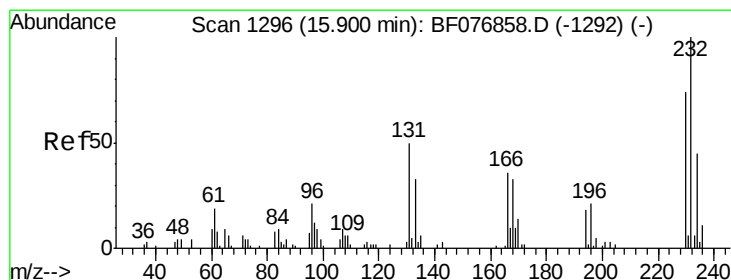
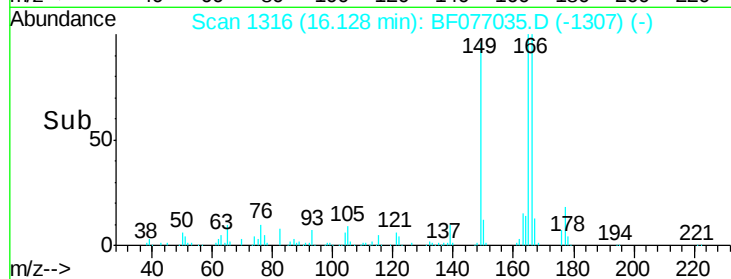
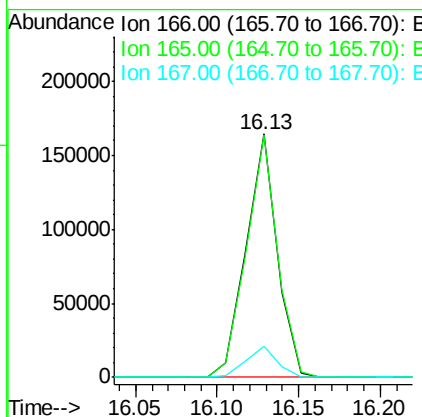
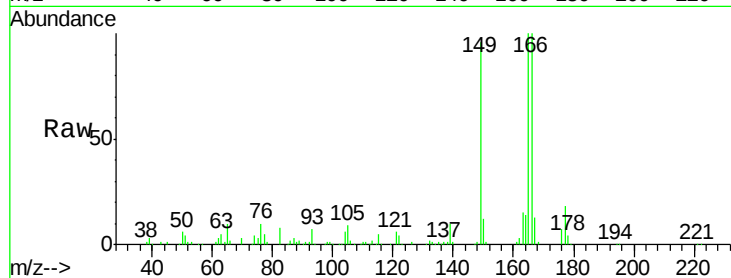




#57  
 Fluorene  
 Concen: 39.14 ng  
 RT: 16.13 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

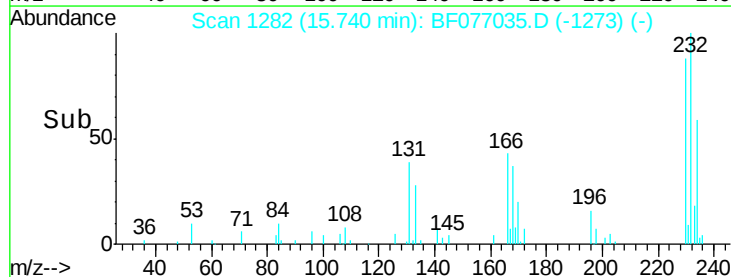
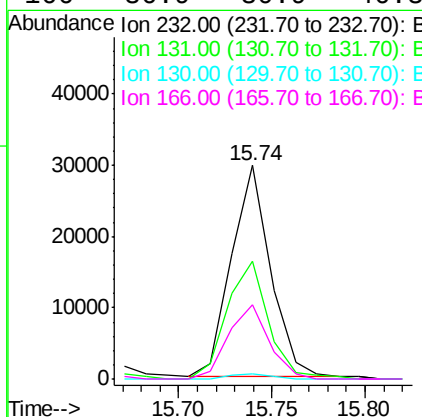
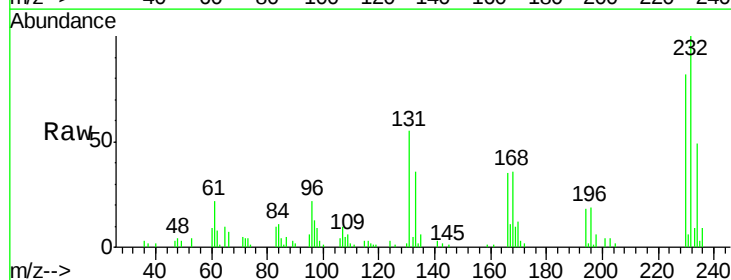
Instrument :  
 BNA\_F  
 ClientSampleId :

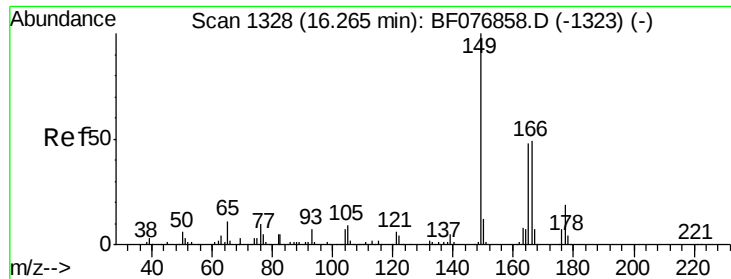
Tot Ion:166 Resp: 218195  
 Ion Ratio Lower Upper  
 166 100  
 165 99.7 78.5 117.7  
 167 12.8 10.4 15.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.59 ng  
 RT: 15.74 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:232 Resp: 43046  
 Ion Ratio Lower Upper  
 232 100  
 131 60.0 45.0 67.6  
 130 2.6 2.6 3.8  
 166 36.9 30.9 46.3





#59

Diethylphthalate

Concen: 40.54 ng

RT: 16.13 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampled :

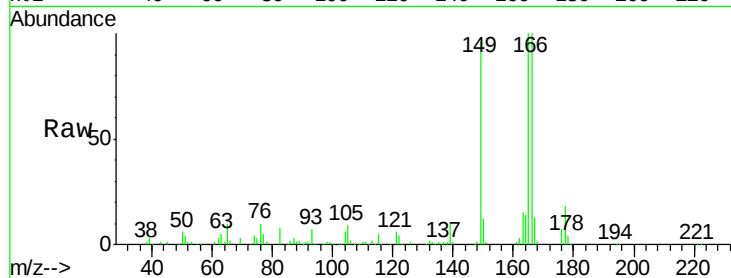
Tot Ion:149 Resp: 224840

Ion Ratio Lower Upper

149 100

177 19.0 15.0 22.6

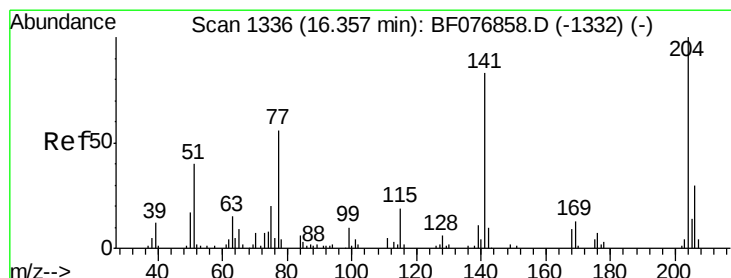
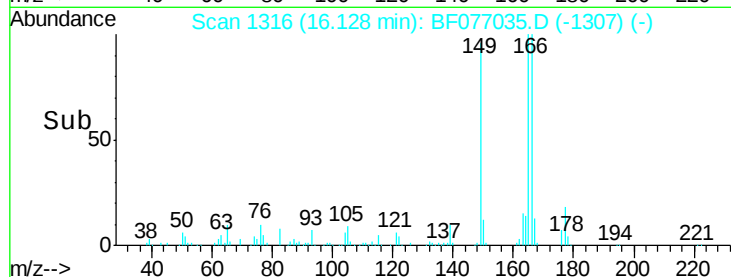
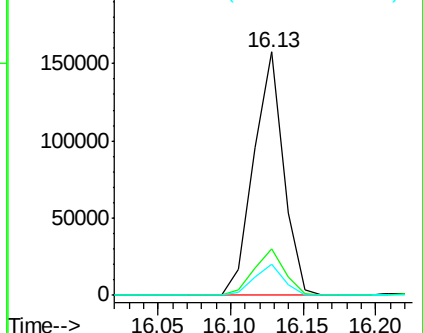
150 12.8 9.4 14.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 39.90 ng

RT: 16.22 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

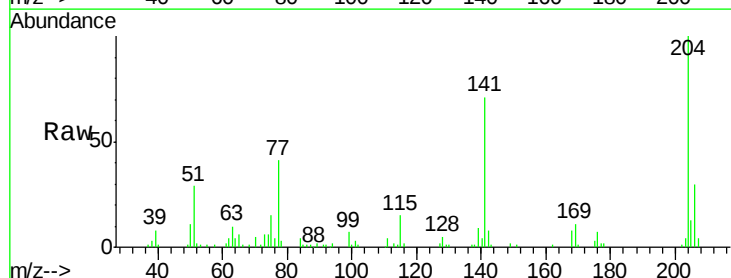
Tgt Ion:204 Resp: 91020

Ion Ratio Lower Upper

204 100

206 29.6 24.2 36.2

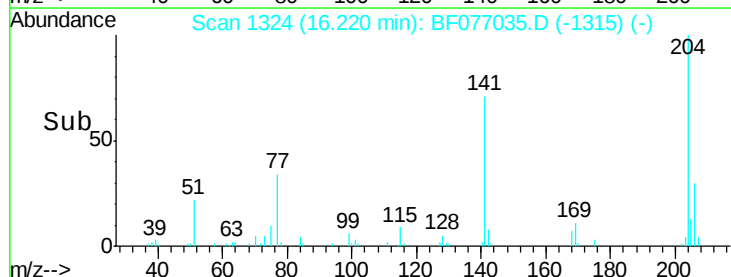
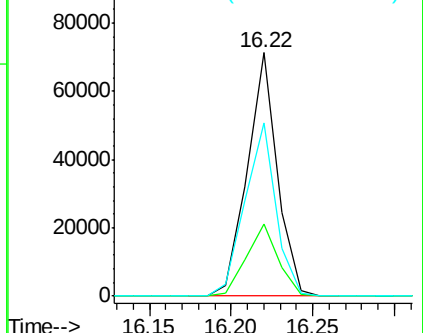
141 71.2 66.7 100.1

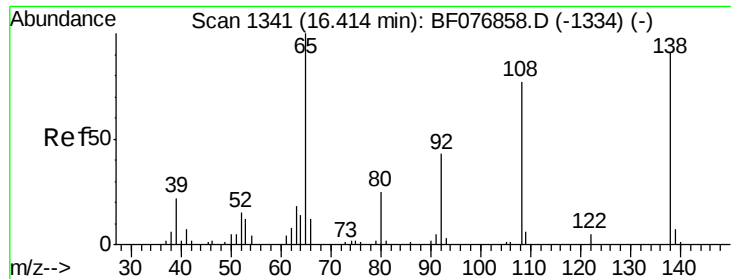


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

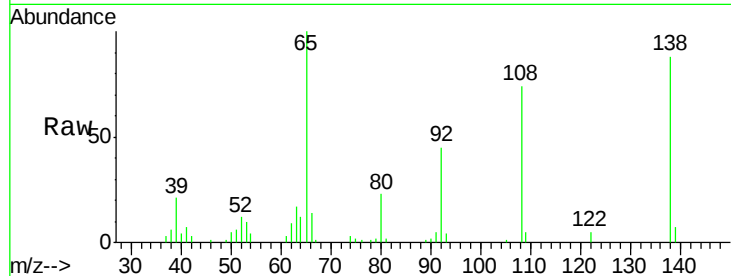




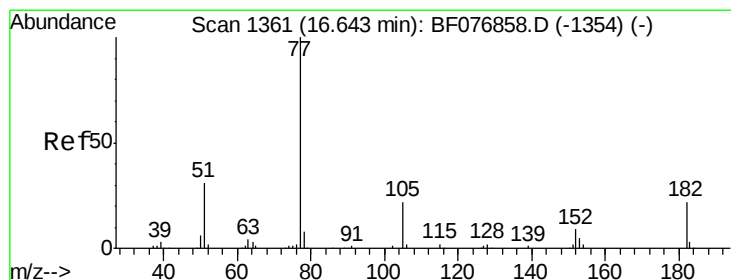
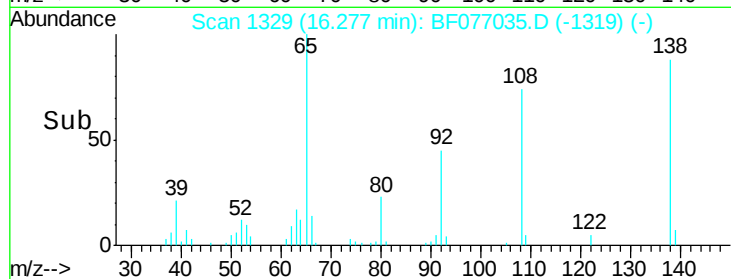
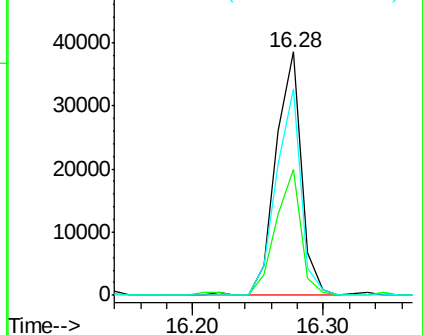
#61  
4-Nitroaniline  
Concen: 38.70 ng  
RT: 16.28 min Scan# 1329  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 53085  
Ion Ratio Lower Upper  
138 100  
92 51.5 26.7 66.7  
108 84.6 64.5 104.5

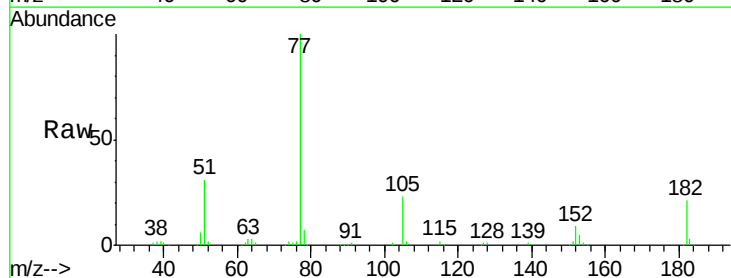


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

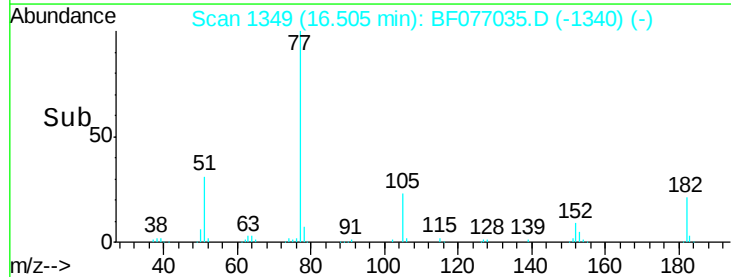
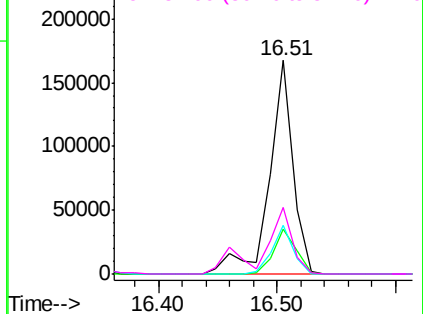


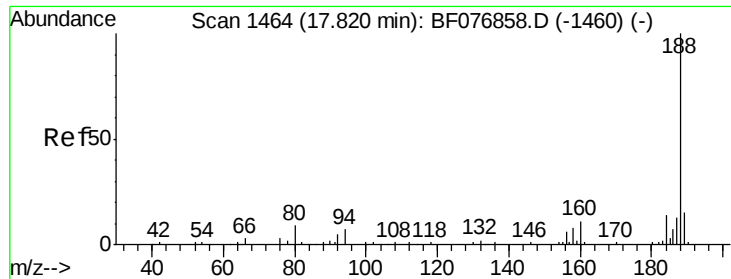
#62  
Azobenzene  
Concen: 40.15 ng  
RT: 16.51 min Scan# 1349  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion: 77 Resp: 231985  
Ion Ratio Lower Upper  
77 100  
182 20.9 2.0 42.0  
105 22.5 2.3 42.3  
51 31.4 10.7 50.7



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

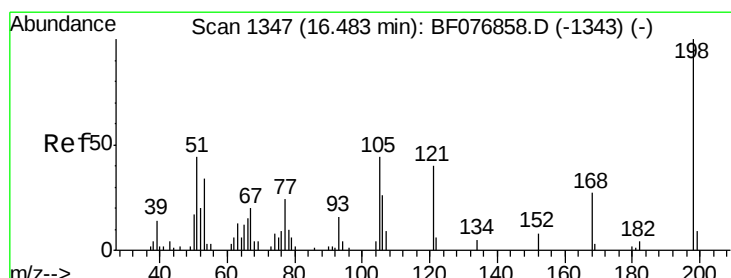
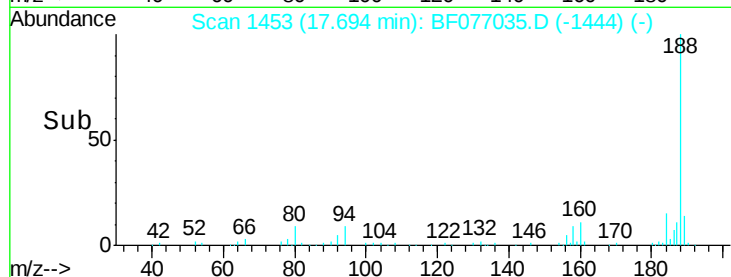
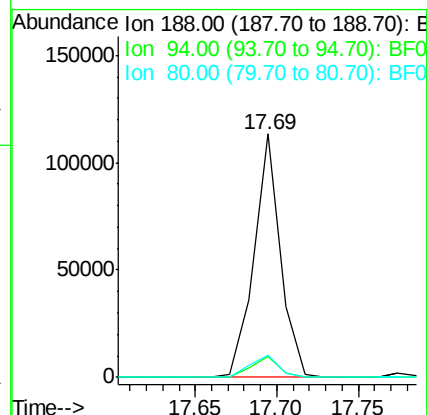
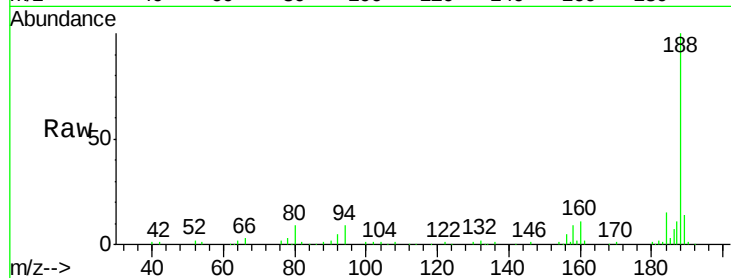




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.69 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

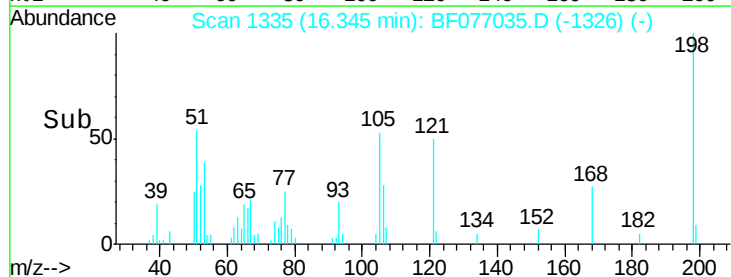
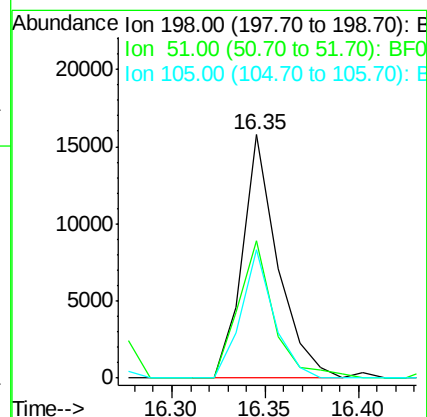
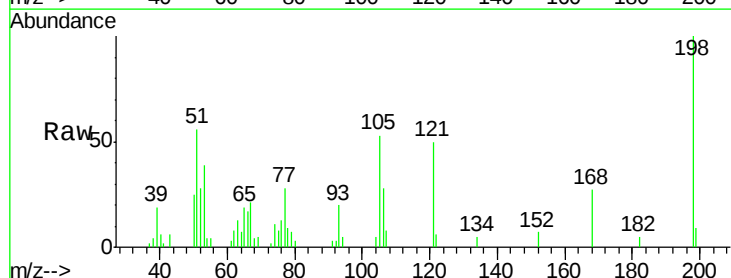
Instrument :  
 BNA\_F  
 ClientSampled :

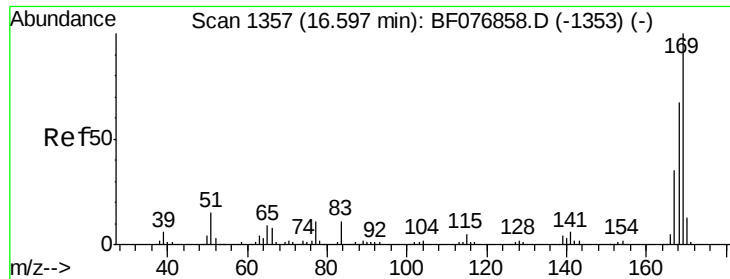
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 6.0   | 9.0   |
| 80      | 8.9   | 6.9   | 10.3  |



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 27.15 ng  
 RT: 16.35 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 56.4  | 24.2  | 64.2  |
| 105     | 52.8  | 24.0  | 64.0  |

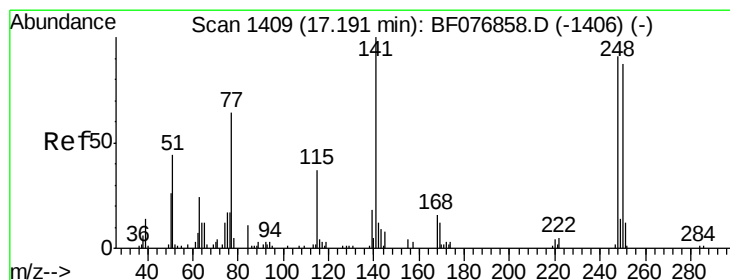
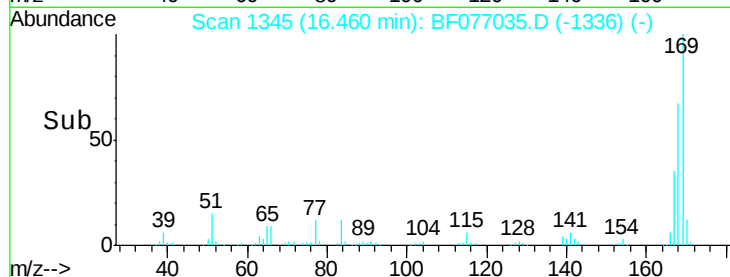
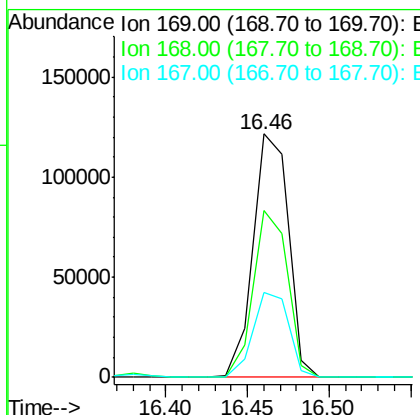
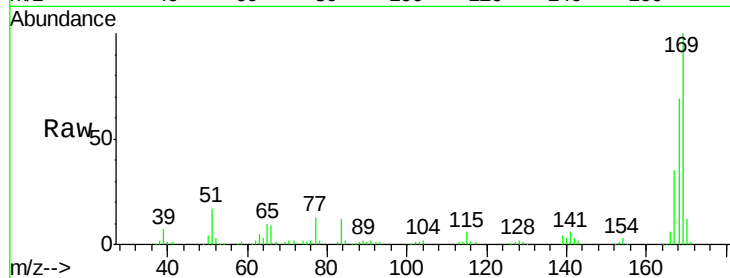




#65  
 n-Nitrosodiphenylamine  
 Concen: 40.55 ng  
 RT: 16.46 min Scan# 1345  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

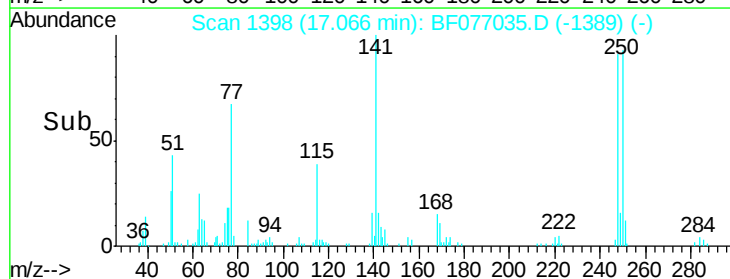
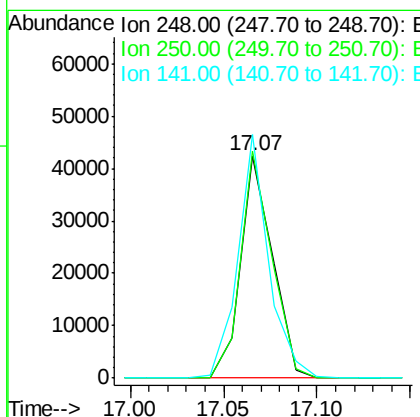
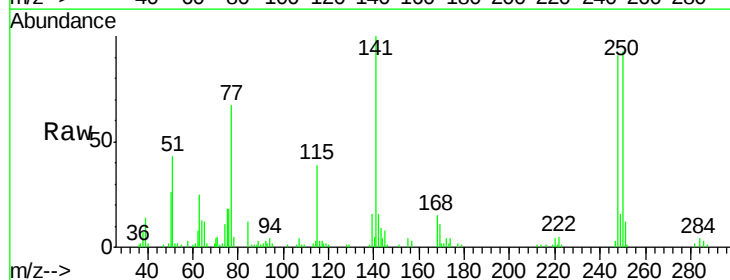
Instrument :  
 BNA\_F  
 ClientSampleId :

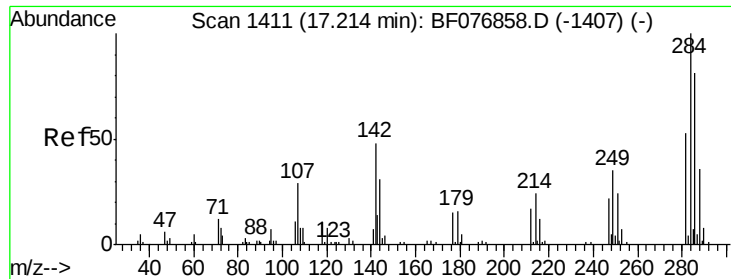
Tot Ion:169 Resp: 183062  
 Ion Ratio Lower Upper  
 169 100  
 168 68.6 53.8 80.6  
 167 34.9 27.8 41.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 39.21 ng  
 RT: 17.07 min Scan# 1398  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:248 Resp: 50286  
 Ion Ratio Lower Upper  
 248 100  
 250 101.9 77.1 115.7  
 141 109.5 88.2 132.4

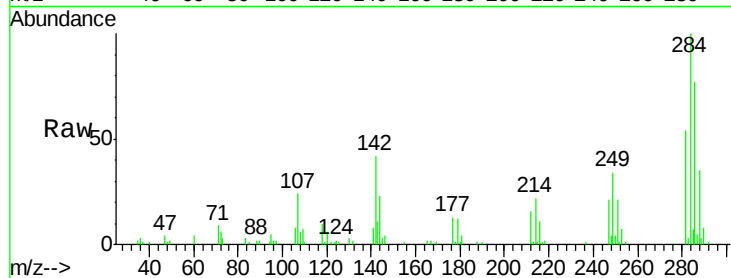




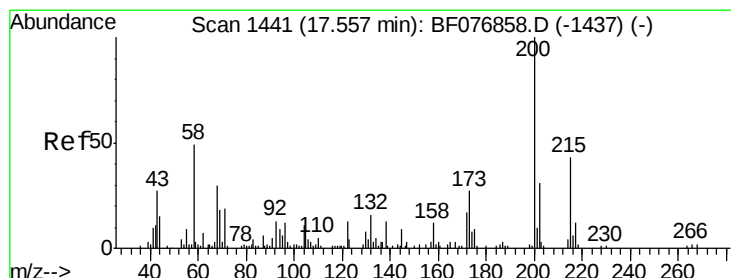
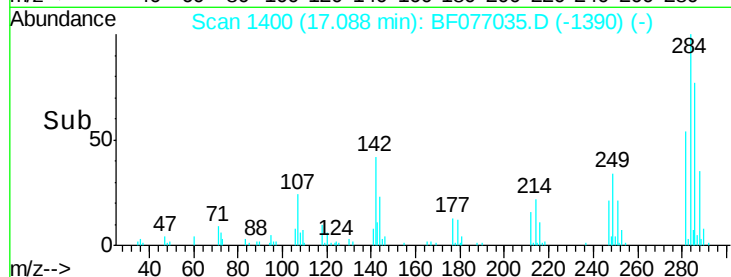
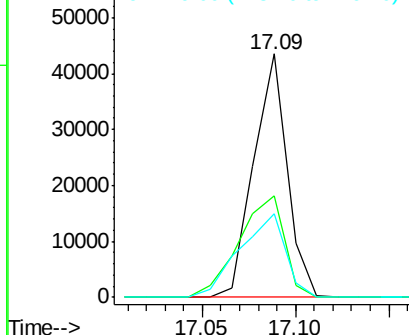
#67  
Hexachlorobenzene  
Concen: 40.02 ng  
RT: 17.09 min Scan# 1400  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 54095  
Ion Ratio Lower Upper  
284 100  
142 42.0 38.2 57.4  
249 34.2 28.2 42.2

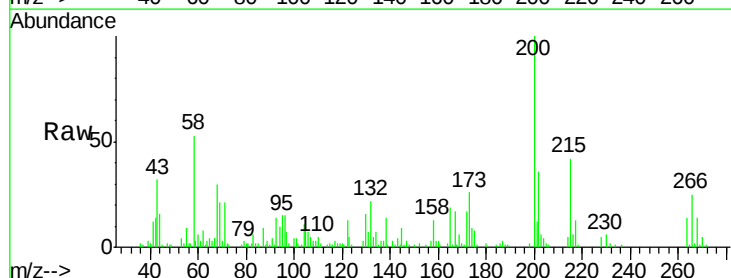


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

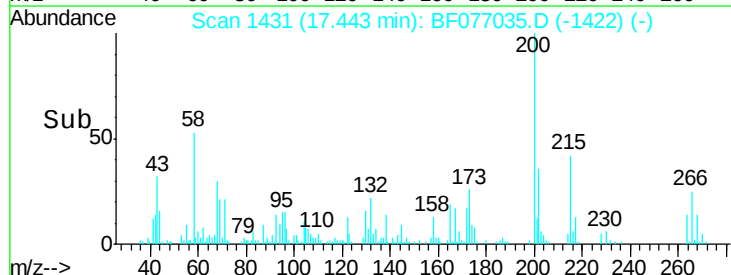
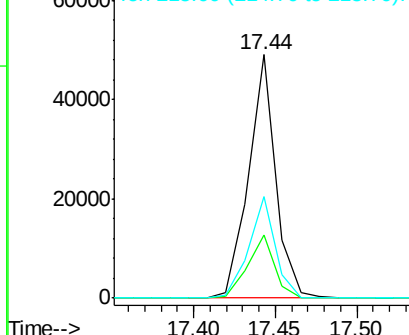


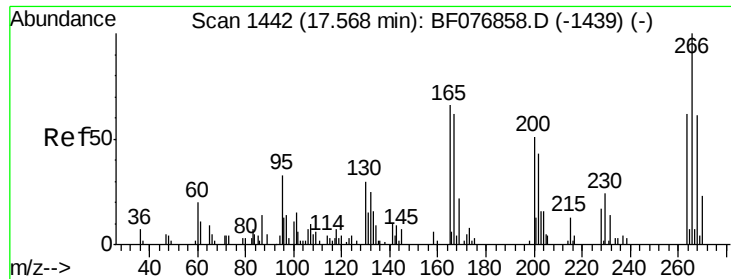
#68  
Atrazine  
Concen: 41.19 ng  
RT: 17.44 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:200 Resp: 56428  
Ion Ratio Lower Upper  
200 100  
173 25.9 6.6 46.6  
215 41.6 22.9 62.9



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

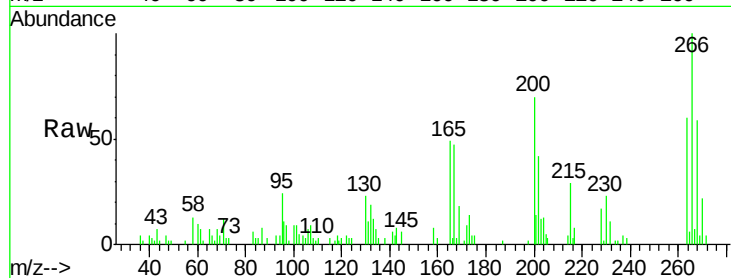




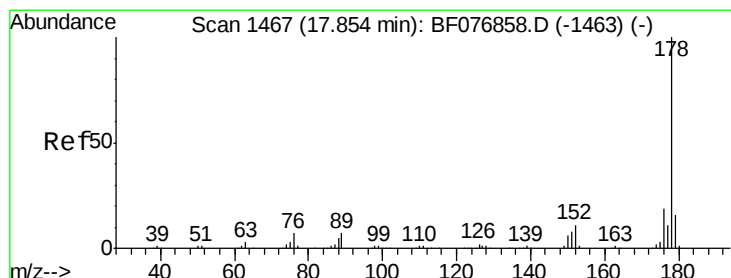
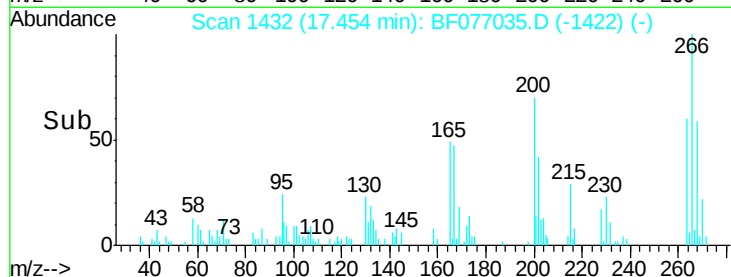
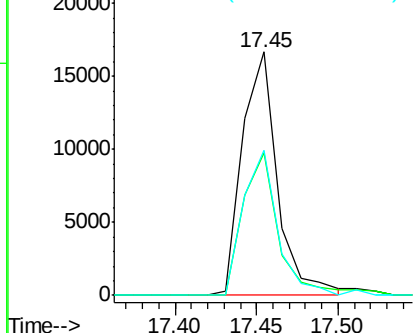
#69  
 Pentachlorophenol  
 Concen: 43.50 ng  
 RT: 17.45 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 24831  
 Ion Ratio Lower Upper  
 266 100  
 268 58.6 48.6 72.8  
 264 59.5 49.5 74.3

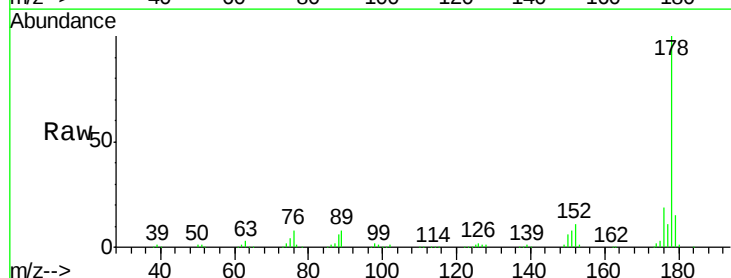


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

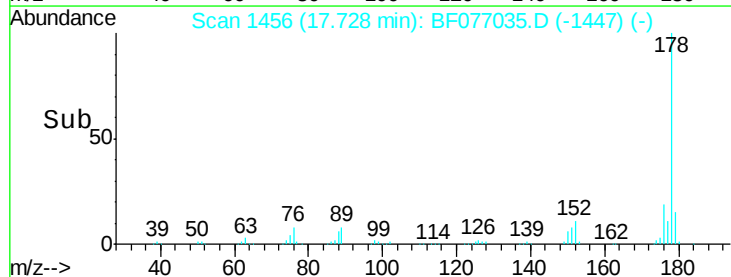
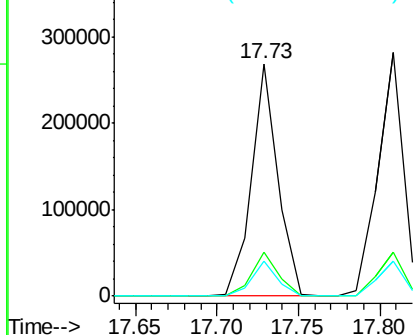


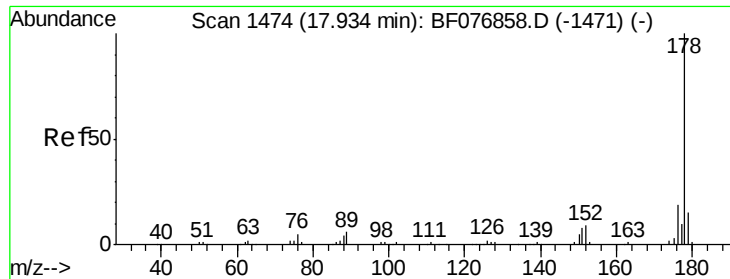
#70  
 Phenanthrene  
 Concen: 38.21 ng  
 RT: 17.73 min Scan# 1456  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:178 Resp: 301655  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.1 22.7  
 179 15.2 12.7 19.1



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

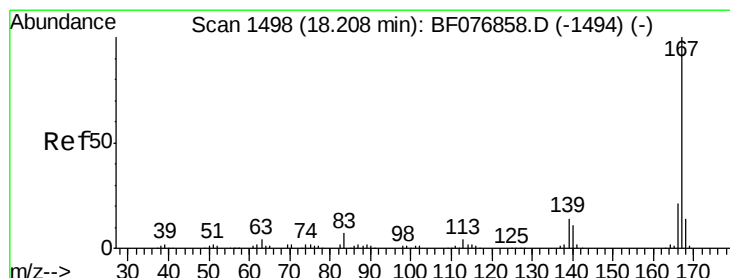
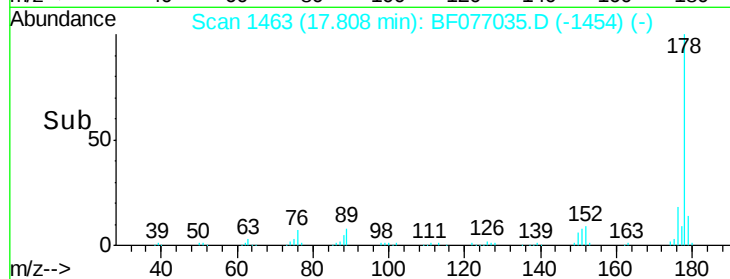
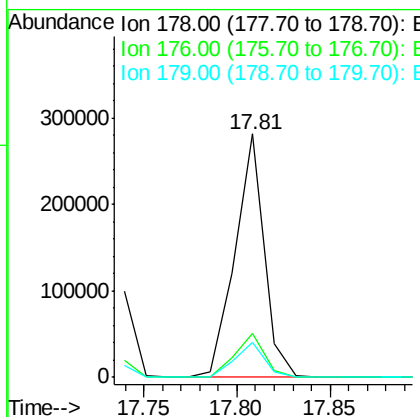
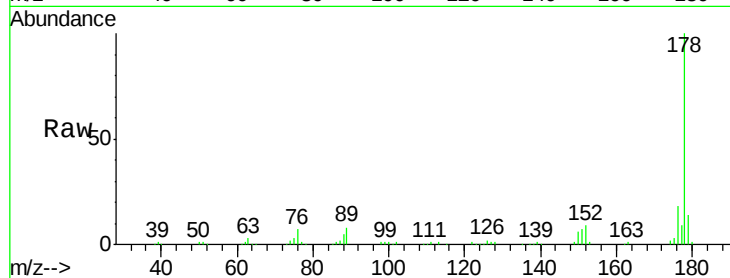




#71  
 Anthracene  
 Concen: 40.04 ng  
 RT: 17.81 min Scan# 1463  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

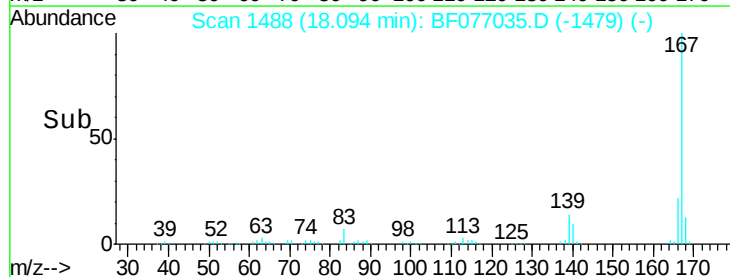
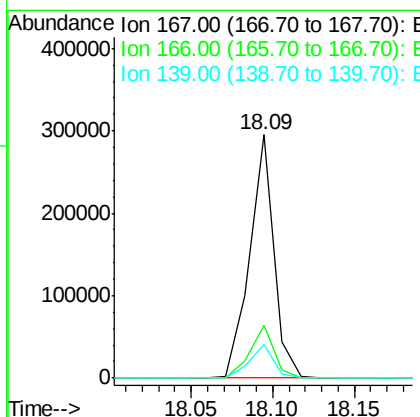
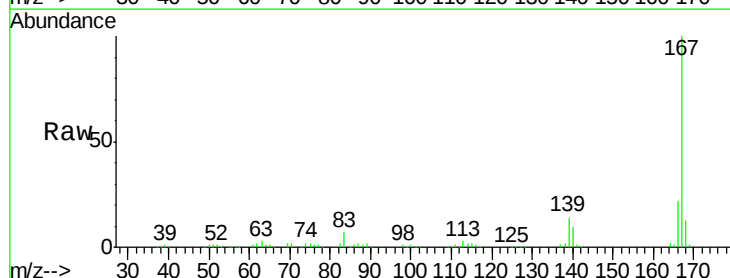
Instrument :  
 BNA\_F  
 ClientSampleId :

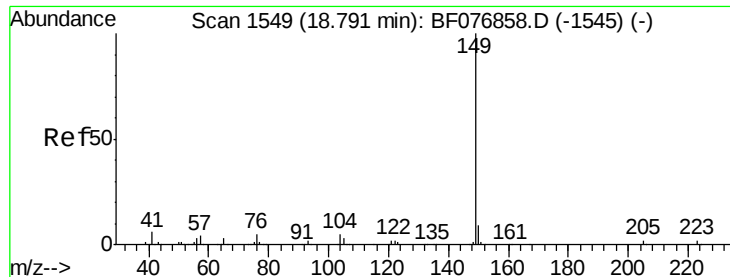
Tot Ion:178 Resp: 308215  
 Ion Ratio Lower Upper  
 178 100  
 176 17.9 15.4 23.0  
 179 14.5 11.9 17.9



#72  
 Carbazole  
 Concen: 40.65 ng  
 RT: 18.09 min Scan# 1488  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:167 Resp: 303499  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.0 25.6  
 139 13.8 11.3 16.9





#73

Di-n-butylphthalate

Concen: 41.64 ng

RT: 18.69 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

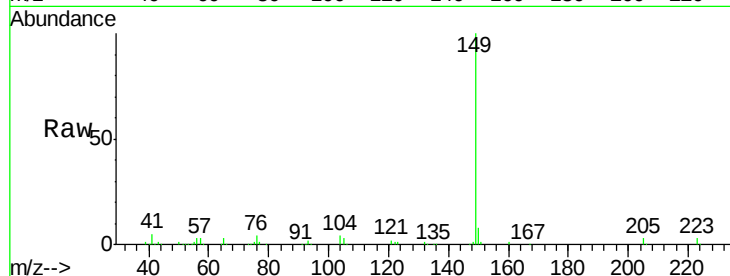
Tot Ion:149 Resp: 359936

Ion Ratio Lower Upper

149 100

150 8.3 6.9 10.3

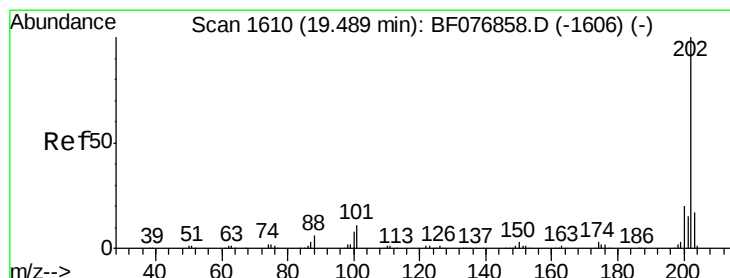
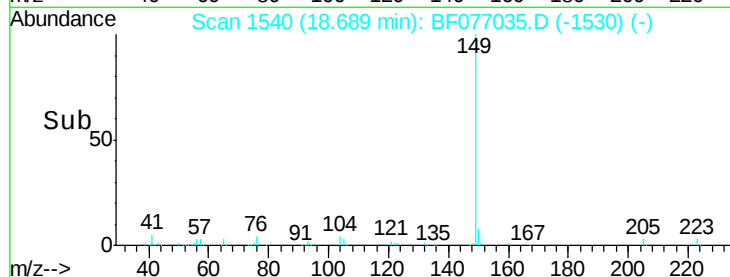
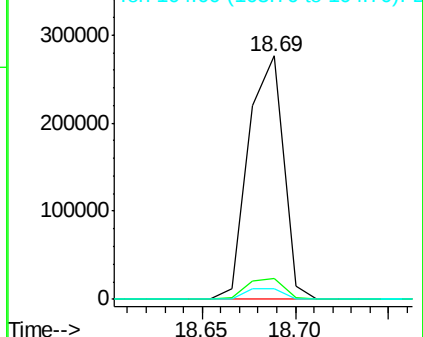
104 4.4 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.75 ng

RT: 19.37 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

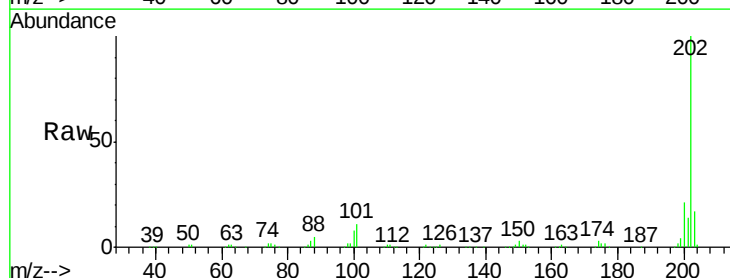
Tgt Ion:202 Resp: 313501

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.7

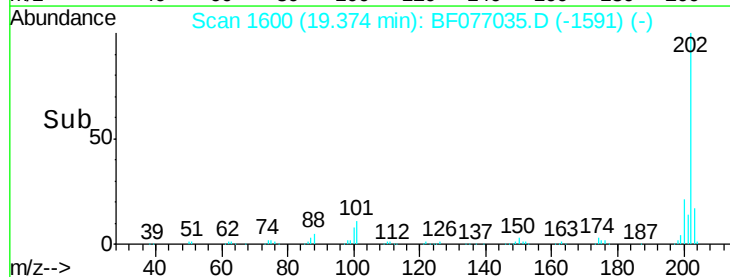
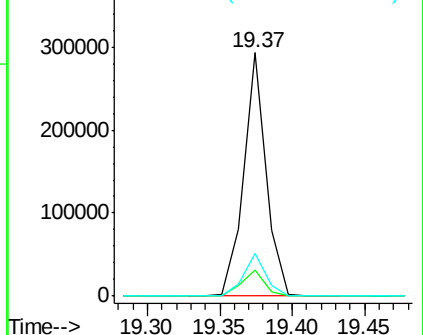
203 17.5 0.0 36.9

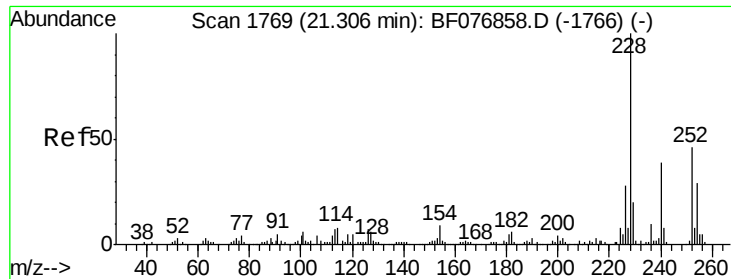


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 1760

Delta R.T. 0.01 min

Lab File: BF077035.D

Acq: 23 Jan 2015 6:51

Instrument :

BNA\_F

ClientSampled :

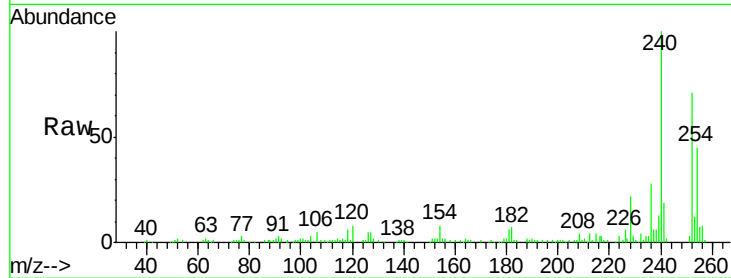
Tot Ion:240 Resp: 119179

Ion Ratio Lower Upper

240 100

120 8.0 10.4 15.6#

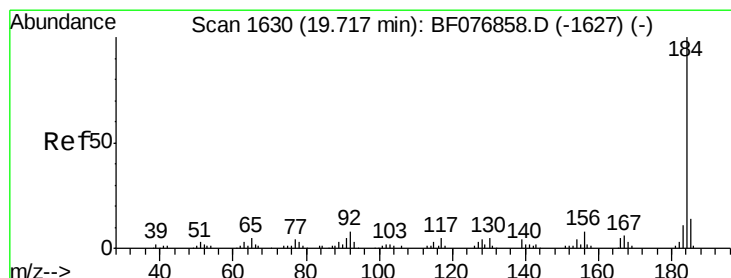
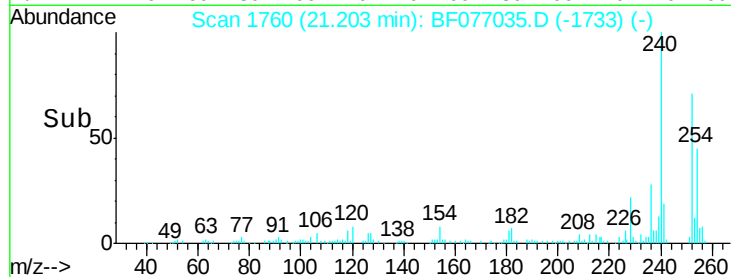
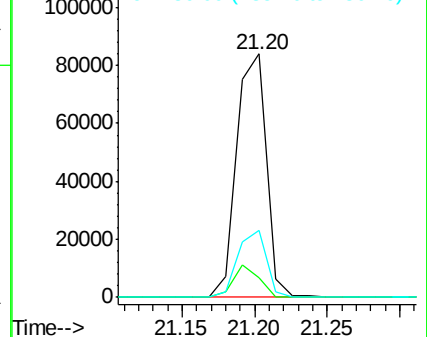
236 27.5 20.2 30.2



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



#76

Benzidine

Concen: 45.18 ng

RT: 19.61 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BF077035.D

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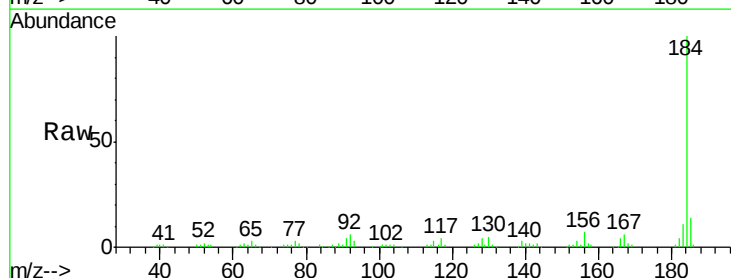
Tgt Ion:184 Resp: 172314

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.2

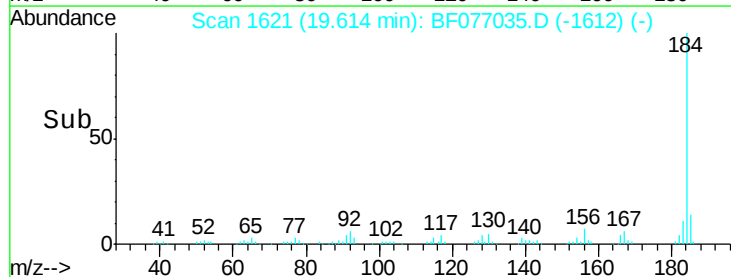
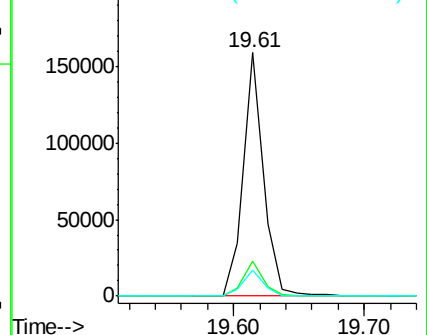
183 10.6 9.0 13.6

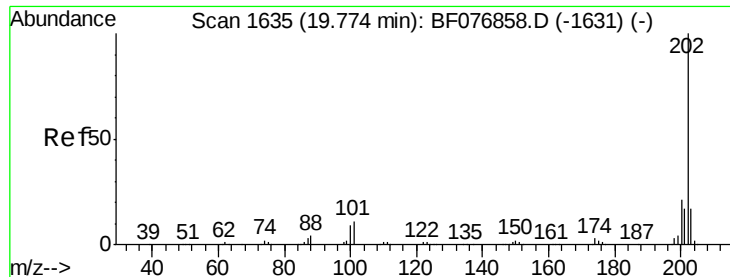


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

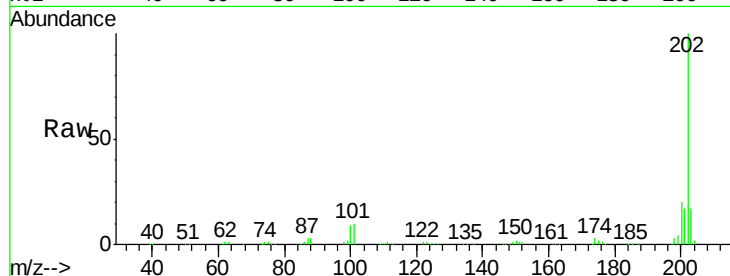




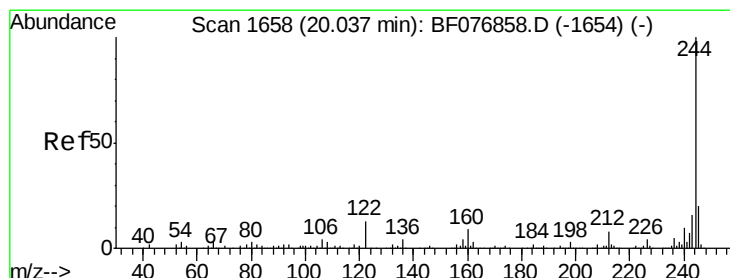
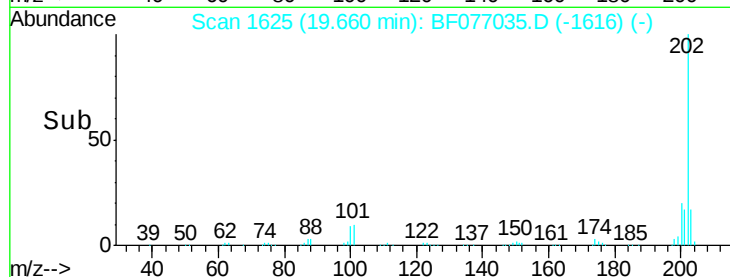
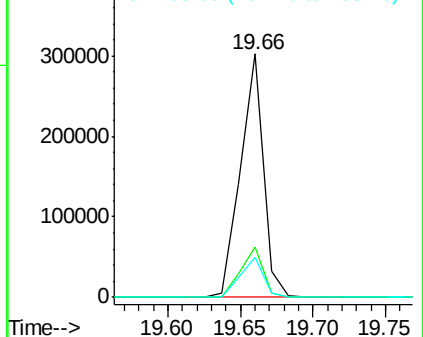
#77  
 Pvrene  
 Concen: 40.51 ng  
 RT: 19.66 min Scan# 1625  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.4  | 16.7  | 25.1  |
| 203     | 16.7  | 14.0  | 21.0  |

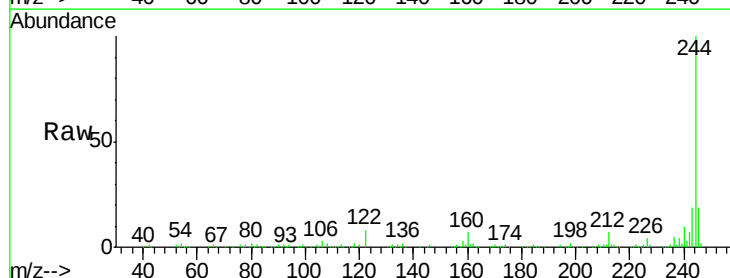


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

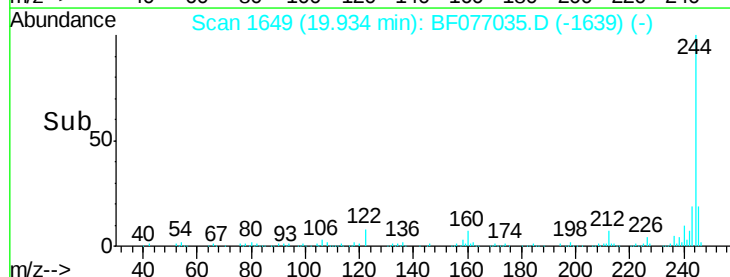
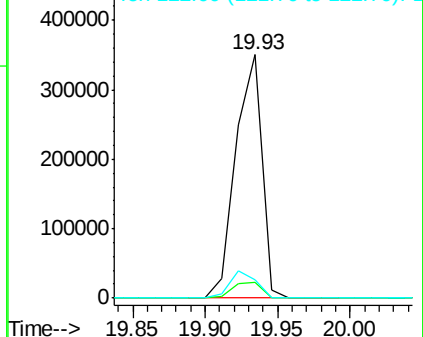


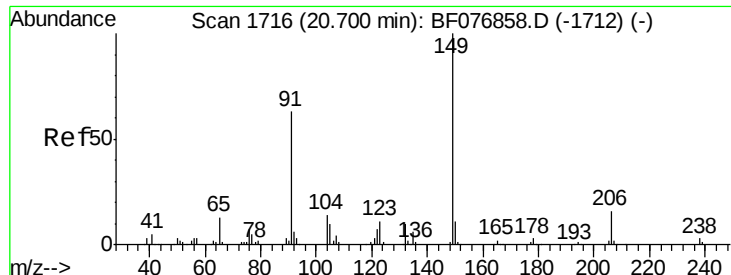
#78  
 Terphenyl-d14  
 Concen: 84.93 ng  
 RT: 19.93 min Scan# 1649  
 Delta R.T. 0.01 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 6.3   | 9.5   |
| 122     | 7.6   | 10.1  | 15.1# |



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

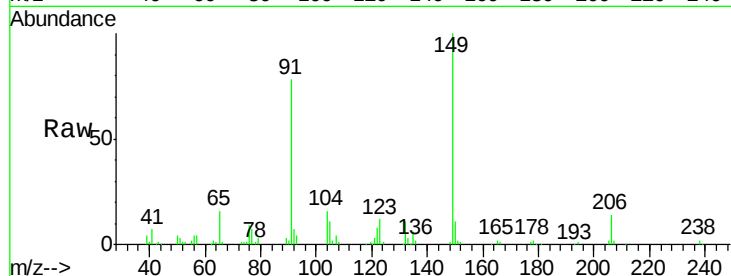




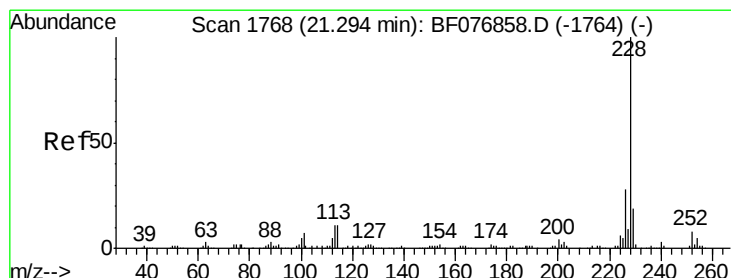
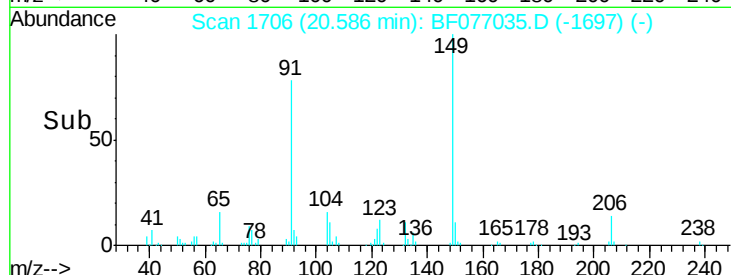
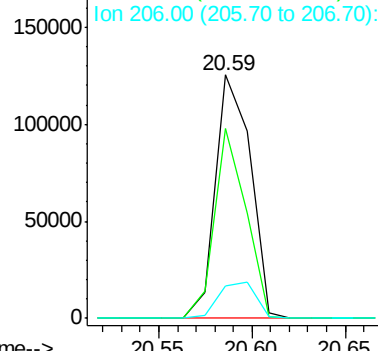
#79  
Butylbenzylphthalate  
Concen: 44.17 ng  
RT: 20.59 min Scan# 1706  
Delta R.T. 0.00 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 163394  
Ion Ratio Lower Upper  
149 100  
91 78.0 50.6 76.0#  
206 13.5 12.8 19.2

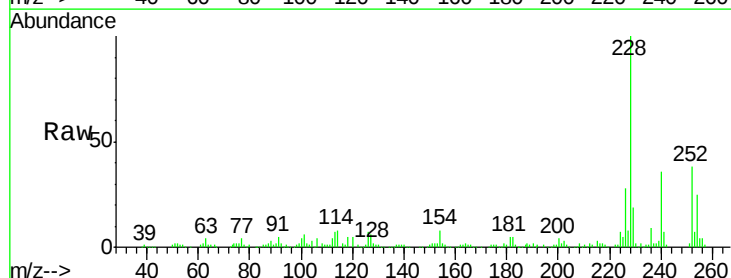


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

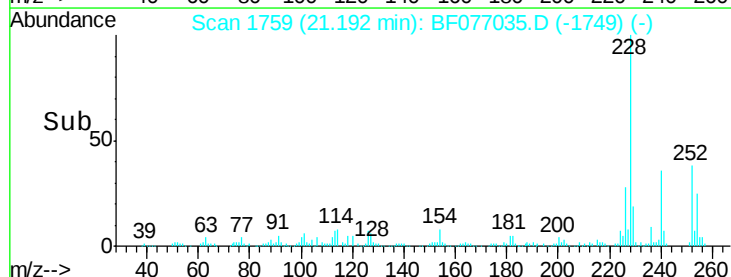
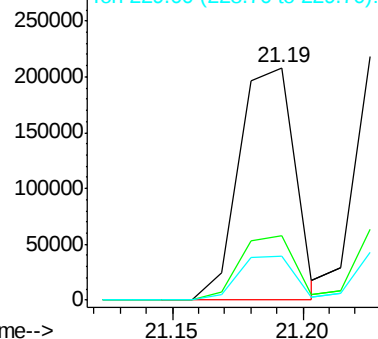


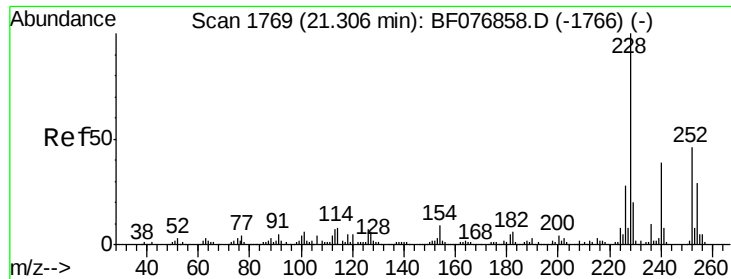
#80  
Benzo(a)anthracene  
Concen: 41.03 ng  
RT: 21.19 min Scan# 1759  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:228 Resp: 306798  
Ion Ratio Lower Upper  
228 100  
226 27.5 22.1 33.1  
229 18.9 15.5 23.3



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

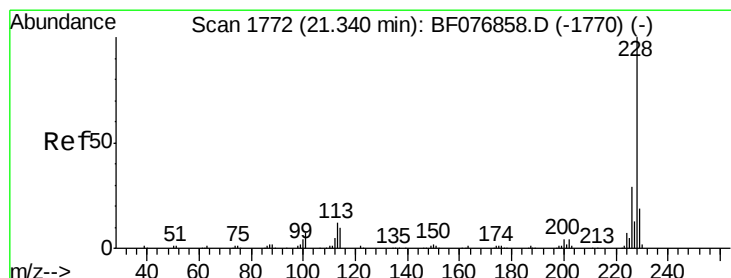
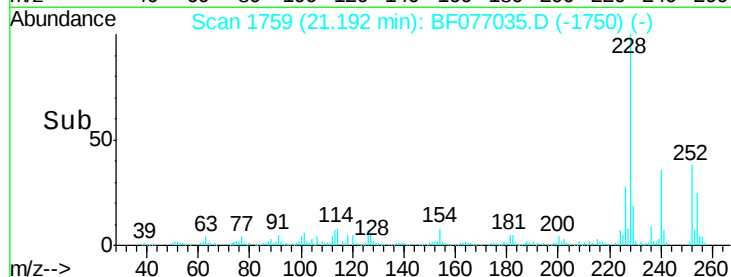
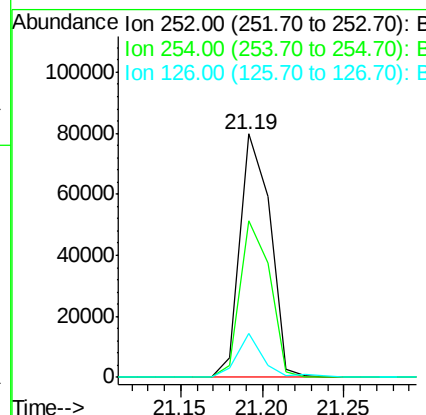
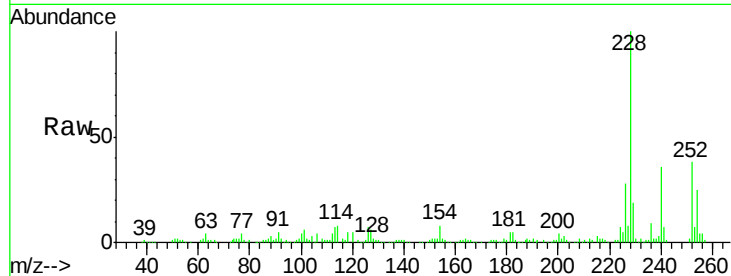




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.90 ng  
 RT: 21.19 min Scan# 1759  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

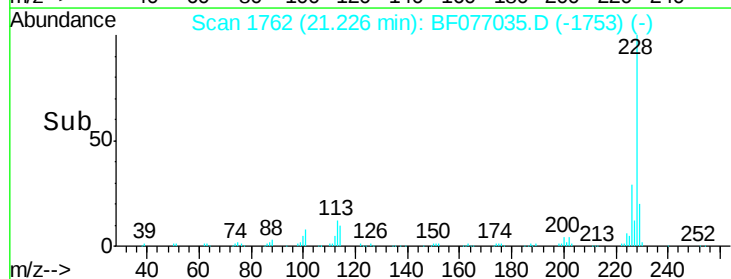
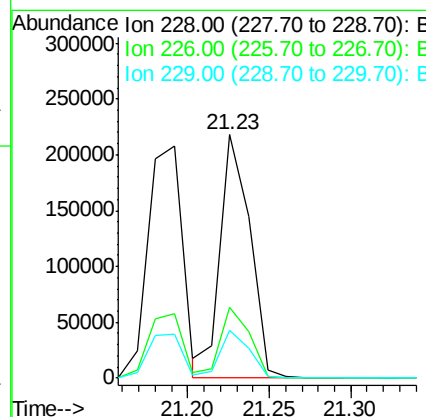
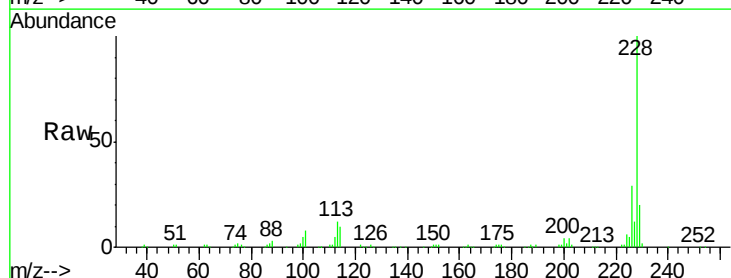
Instrument :  
 BNA\_F  
 ClientSampled :

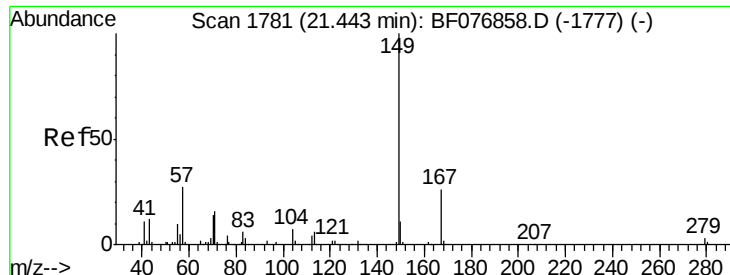
Tot Ion:252 Resp: 101936  
 Ion Ratio Lower Upper  
 252 100  
 254 64.1 50.2 75.4  
 126 18.0 11.5 17.3#



#82  
 Chrysene  
 Concen: 40.22 ng  
 RT: 21.23 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:228 Resp: 274288  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 23.4 35.0  
 229 19.7 15.4 23.0

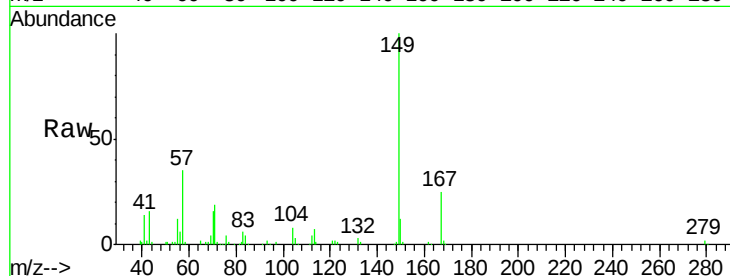




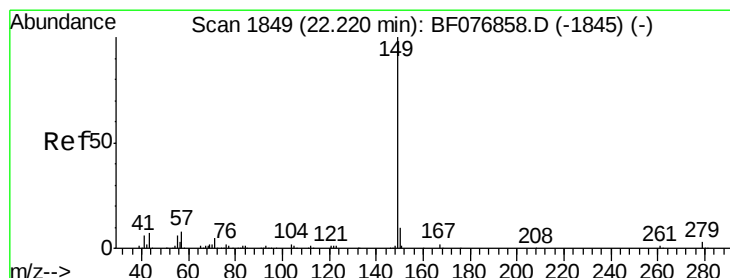
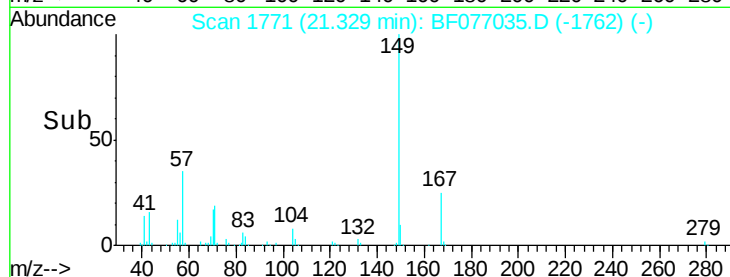
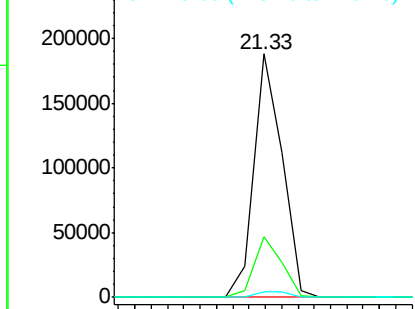
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.11 ng  
 RT: 21.33 min Scan# 1771  
 Delta R.T. 0.00 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 225756  
 Ion Ratio Lower Upper  
 149 100  
 167 24.8 20.6 30.8  
 279 2.2 2.2 3.2#

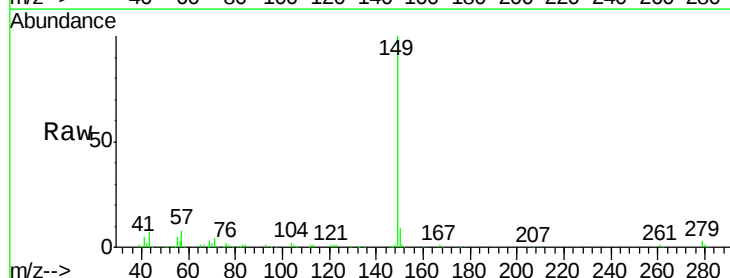


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

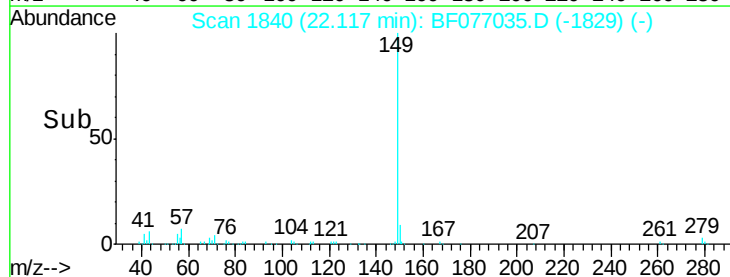
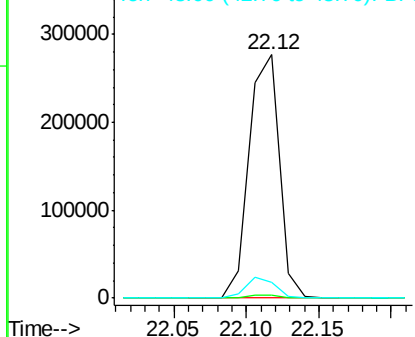


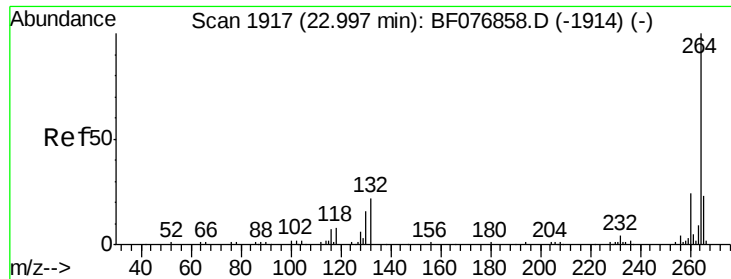
#84  
 Di-n-octyl phthalate  
 Concen: 45.11 ng  
 RT: 22.12 min Scan# 1840  
 Delta R.T. 0.02 min  
 Lab File: BF077035.D  
 Acq: 23 Jan 2015 6:51

Tgt Ion:149 Resp: 400736  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.1 1.7  
 43 8.4 6.6 10.0



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF0

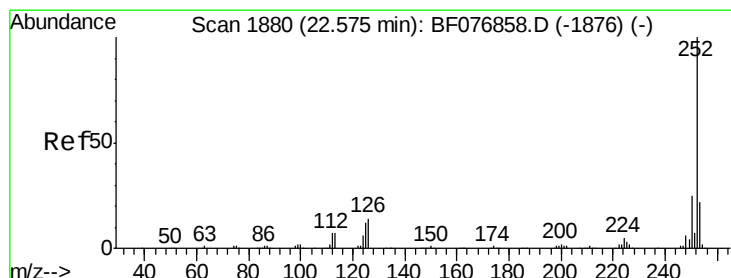
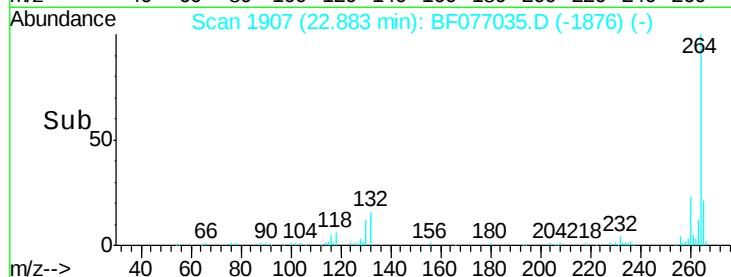
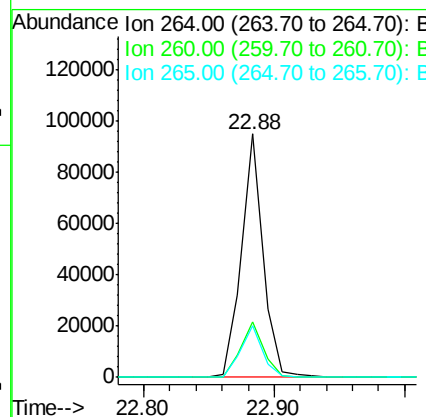
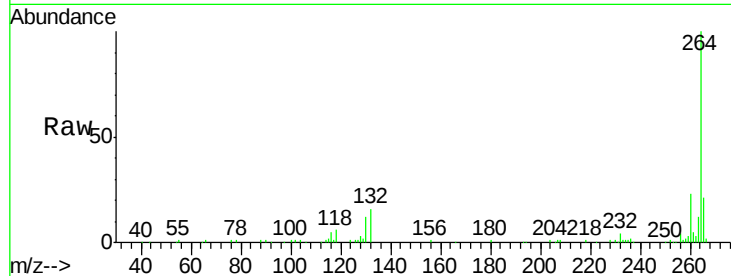




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.88 min Scan# 1907  
Delta R.T. 0.06 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

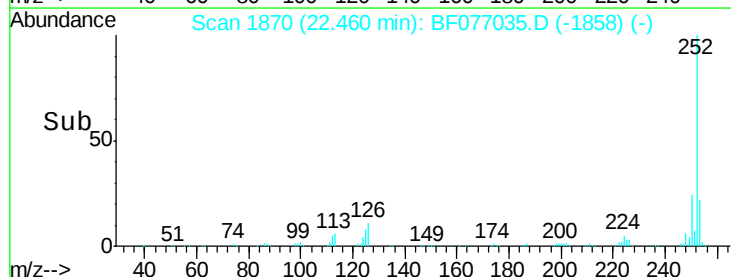
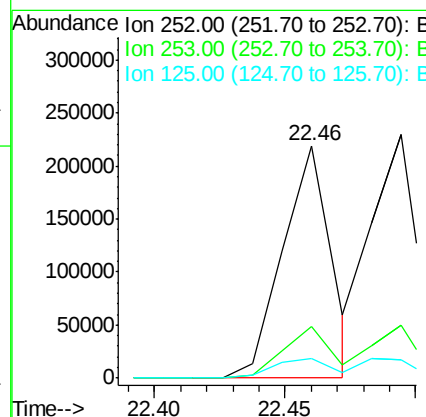
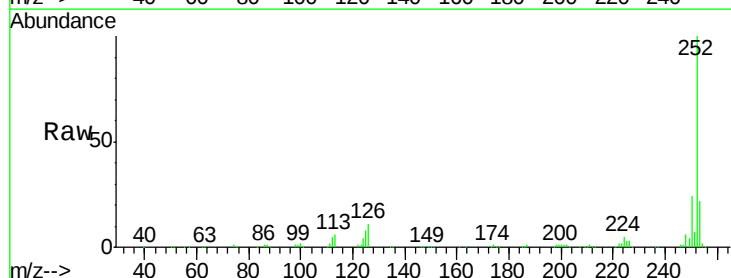
Instrument :  
BNA\_F  
ClientSampleId :

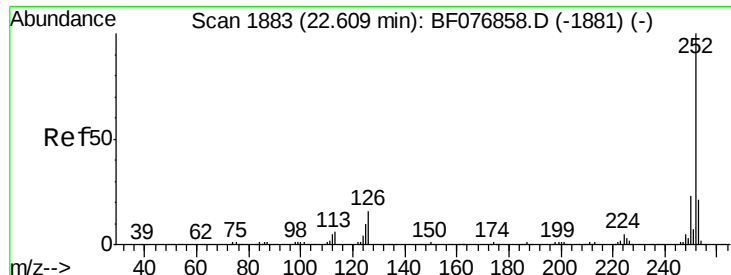
Tot Ion:264 Resp: 108705  
Ion Ratio Lower Upper  
264 100  
260 22.8 19.0 28.4  
265 21.1 18.1 27.1



#87  
Benzo(b)fluoranthene  
Concen: 38.65 ng  
RT: 22.46 min Scan# 1870  
Delta R.T. 0.03 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:252 Resp: 283006  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 8.3 9.4 14.0#

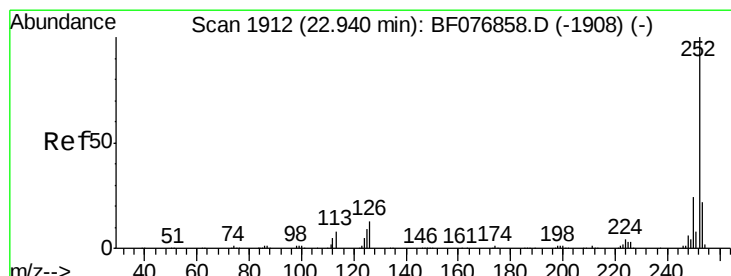
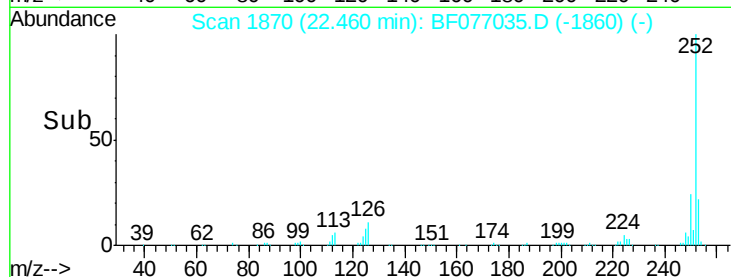
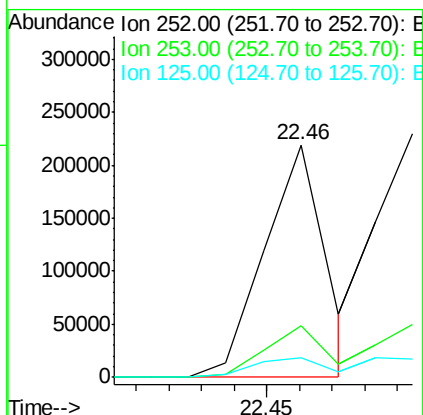
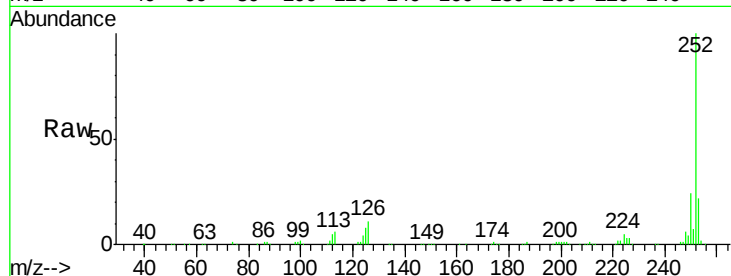




#88  
Benzo(k)fluoranthene  
Concen: 44.24 ng  
RT: 22.46 min Scan# 1870  
Delta R.T. 0.01 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 282986  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.2 25.8  
125 8.3 7.1 10.7



#89  
Benzo(a)pyrene  
Concen: 40.91 ng  
RT: 22.83 min Scan# 1902  
Delta R.T. 0.06 min  
Lab File: BF077035.D  
Acq: 23 Jan 2015 6:51

Tgt Ion:252 Resp: 264215  
Ion Ratio Lower Upper  
252 100  
253 20.5 17.9 26.9  
125 8.1 7.2 10.8

