

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022415\  
 Data File : BF077421.D  
 Acq On : 24 Feb 2015 17:53  
 Operator : IZ / TP  
 Sample : PB81861BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

Quant Time: Feb 25 01:17:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 25 00:25:01 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.30  | 152  | 73803    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.88  | 136  | 293489   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 11.05 | 164  | 148269   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 12.90 | 188  | 298218   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.19 | 240  | 320815   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 17.95 | 264  | 316660   | 20.00 | ng    | -0.10    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.60  | 112 | 286162 | 64.73 | ng | 0.00  |
| 7) Phenol-d6                | 6.85  | 99  | 370926 | 65.26 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 8.00  | 82  | 265319 | 56.22 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330 | 96402  | 67.53 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 10.22 | 172 | 614062 | 64.58 | ng | 0.00  |
| 78) Terphenyl-d14           | 14.89 | 244 | 730624 | 53.24 | ng | -0.01 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.27  | 88  | 52941  | 28.22  | ng | 95   |
| 3) Pyridine                    | 3.00  | 79  | 138067 | 25.73  | ng | 97   |
| 4) n-Nitrosodimethylamine      | 2.92  | 42  | 66725  | 28.60  | ng | 98   |
| 6) Aniline                     | 6.89  | 93  | 124764 | 15.88  | ng | 99   |
| 8) 2-Chlorophenol              | 7.02  | 128 | 169300 | 32.46  | ng | 100  |
| 10) Phenol                     | 6.86  | 94  | 206724 | 30.65  | ng | 95   |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93  | 153576 | 31.69  | ng | 99   |
| 12) 1,3-Dichlorobenzene        | 7.22  | 146 | 177560 | 31.27  | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 7.32  | 146 | 183139 | 31.70  | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 7.50  | 146 | 177856 | 32.36  | ng | 99   |
| 15) Benzyl Alcohol             | 7.48  | 79  | 139311 | 32.24  | ng | 92   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.66  | 45  | 210153 | 30.34  | ng | 99   |
| 17) 2-Methylphenol             | 7.62  | 107 | 133049 | 32.64  | ng | 97   |
| 18) Hexachloroethane           | 7.93  | 117 | 61059  | 31.64  | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 7.81  | 70  | 113726 | 31.51  | ng | 99   |
| 20) 3+4-Methylphenols          | 7.81  | 107 | 173939 | 32.40  | ng | 92   |
| 22) Acetophenone               | 7.80  | 105 | 219392 | 31.78  | ng | # 95 |
| 24) Nitrobenzene               | 8.02  | 77  | 168952 | 34.03  | ng | 99   |
| 25) Isophorone                 | 8.32  | 82  | 304946 | 32.57  | ng | 99   |
| 26) 2-Nitrophenol              | 8.41  | 139 | 76902  | 37.79  | ng | 99   |
| 27) 2,4-Dimethylphenol         | 8.46  | 122 | 146534 | 32.18  | ng | 96   |
| 28) bis(2-Chloroethoxy)methane | 8.59  | 93  | 186064 | 31.46  | ng | 98   |
| 29) 2,4-Dichlorophenol         | 8.70  | 162 | 146353 | 34.24  | ng | 95   |
| 30) 1,2,4-Trichlorobenzene     | 8.81  | 180 | 149175 | 31.75  | ng | 99   |
| 31) Naphthalene                | 8.91  | 128 | 484022 | 32.98  | ng | 98   |
| 32) Benzoic acid               | 8.56  | 122 | 80828  | 36.53  | ng | 98   |
| 33) 4-Chloroaniline            | 8.98  | 127 | 118009 | 18.08  | ng | 97   |
| 34) Hexachlorobutadiene        | 9.06  | 225 | 84775  | 31.60  | ng | 99   |
| 35) Caprolactam                | 9.39  | 113 | 43476  | 33.32  | ng | 94   |
| 36) 4-Chloro-3-methylphenol    | 9.57  | 107 | 139183 | 32.39  | ng | 92   |
| 37) 2-Methylnaphthalene        | 9.77  | 142 | 342817 | 32.89  | ng | 100  |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.97  | 216 | 152554 | 35.86  | ng | 99   |
| 40) Hexachlorocyclopentadiene  | 9.96  | 237 | 155217 | 68.04  | ng | 99   |
| 42) 2,4,6-Trichlorophenol      | 10.11 | 196 | 104720 | 37.17  | ng | 99   |

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 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

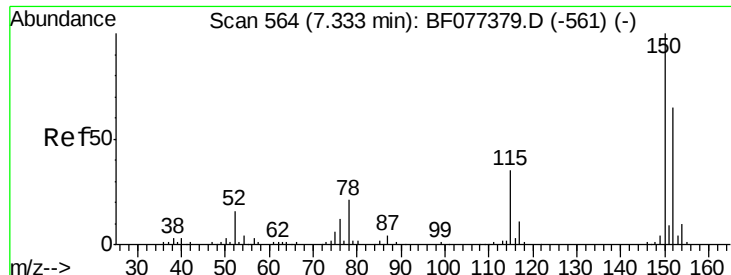
Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB81861BS

Quant Time: Feb 25 01:17:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 10.16 | 196  | 113278   | 37.60 | ng    | # 94     |
| 45) 1,1'-Biphenyl              | 10.35 | 154  | 397967   | 35.43 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 10.36 | 162  | 317990   | 36.09 | ng    | 100      |
| 47) 2-Nitroaniline             | 10.49 | 65   | 83965    | 38.72 | ng    | 96       |
| 48) Acenaphthylene             | 10.88 | 152  | 515748   | 36.98 | ng    | 100      |
| 49) Dimethylphthalate          | 10.73 | 163  | 357928   | 34.34 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.81 | 165  | 79470    | 38.02 | ng    | 96       |
| 51) Acenaphthene               | 11.09 | 154  | 309182   | 37.15 | ng    | 98       |
| 52) 3-Nitroaniline             | 11.00 | 138  | 72799    | 30.21 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 11.14 | 184  | 50113    | 78.80 | ng    | 99       |
| 54) Dibenzofuran               | 11.31 | 168  | 473569   | 36.85 | ng    | 98       |
| 55) 4-Nitrophenol              | 11.21 | 139  | 139189   | 71.81 | ng    | # 66     |
| 56) 2,4-Dinitrotoluene         | 11.30 | 165  | 111296   | 39.41 | ng    | 100      |
| 57) Fluorene                   | 11.73 | 166  | 369787   | 36.00 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.46 | 232  | 92835    | 38.33 | ng    | 98       |
| 59) Diethylphthalate           | 11.61 | 149  | 353663   | 34.42 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.74 | 204  | 174425   | 35.24 | ng    | 96       |
| 61) 4-Nitroaniline             | 11.76 | 138  | 86915    | 37.63 | ng    | 94       |
| 62) Azobenzene                 | 11.94 | 77   | 343228   | 35.21 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 11.79 | 198  | 33808    | 29.93 | ng    | # 28     |
| 65) n-Nitrosodiphenylamine     | 11.89 | 169  | 318992   | 32.24 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 12.35 | 248  | 110855   | 31.74 | ng    | 95       |
| 67) Hexachlorobenzene          | 12.41 | 284  | 117607   | 31.38 | ng    | # 90     |
| 68) Atrazine                   | 12.56 | 200  | 99866    | 31.04 | ng    | 98       |
| 69) Pentachlorophenol          | 12.66 | 266  | 136580   | 69.33 | ng    | 99       |
| 70) Phenanthrene               | 12.92 | 178  | 554048   | 32.05 | ng    | 100      |
| 71) Anthracene                 | 12.99 | 178  | 580658   | 33.85 | ng    | 99       |
| 72) Carbazole                  | 13.20 | 167  | 534009   | 32.74 | ng    | 98       |
| 73) Di-n-butylphthalate        | 13.64 | 149  | 581411   | 30.36 | ng    | 98       |
| 74) Fluoranthene               | 14.41 | 202  | 617871   | 32.72 | ng    | 95       |
| 76) Benzidine                  | 14.58 | 184  | 293954   | 27.12 | ng    | 98       |
| 77) Pyrene                     | 14.68 | 202  | 648454   | 33.04 | ng    | 100      |
| 79) Butylbenzylphthalate       | 15.52 | 149  | 255757   | 31.68 | ng    | 91       |
| 80) Benzo(a)anthracene         | 16.18 | 228  | 609835   | 32.43 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.16 | 252  | 141835   | 20.59 | ng    | 97       |
| 82) Chrysene                   | 16.23 | 228  | 571883   | 32.39 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 16.24 | 149  | 350612   | 27.08 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 17.05 | 149  | 615487   | 28.47 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 17.49 | 252  | 627216   | 34.06 | ng    | # 95     |
| 88) Benzo(k)fluoranthene       | 17.53 | 252  | 564760   | 31.30 | ng    | 100      |
| 89) Benzo(a)pyrene             | 17.89 | 252  | 592415   | 33.78 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 19.47 | 278  | 557755   | 33.35 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 19.87 | 276  | 577881   | 34.23 | ng    | 97       |

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



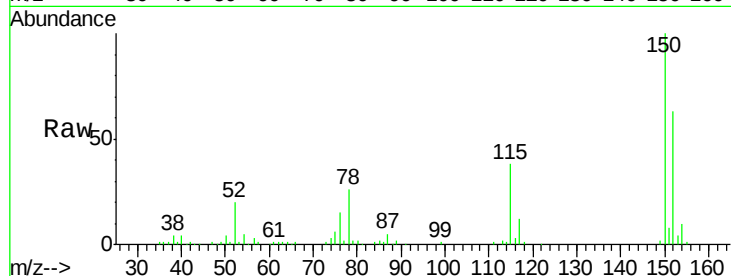


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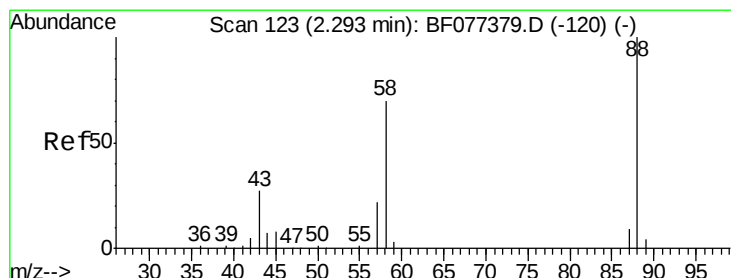
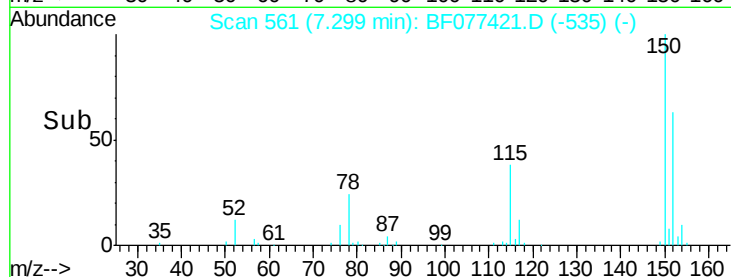
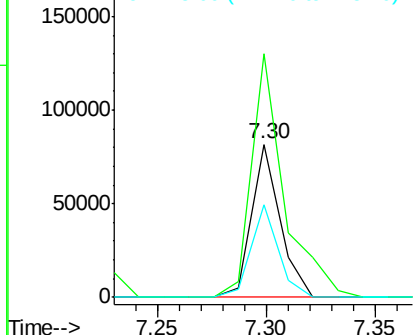
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.30 min Scan# 561  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Instrument :  
BNA\_F  
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PB81861BS

Tgt Ion:152 Resp: 73803  
Ion Ratio Lower Upper  
152 100  
150 159.1 124.0 186.0  
115 60.6 49.4 74.2



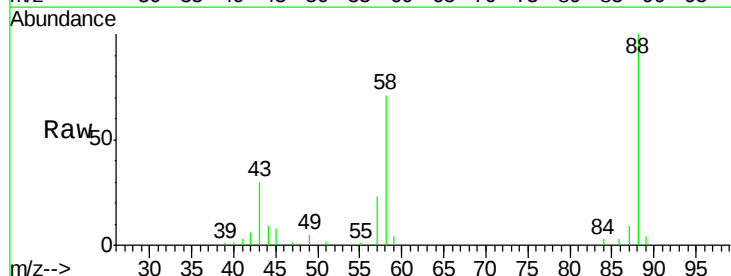
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



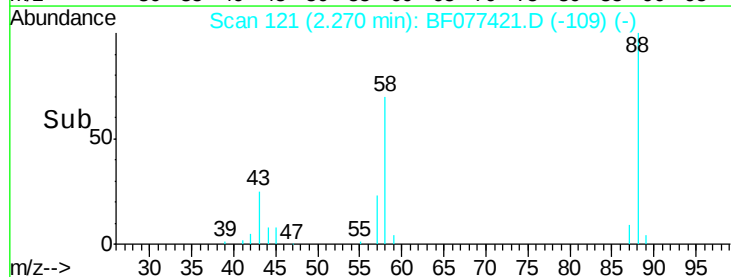
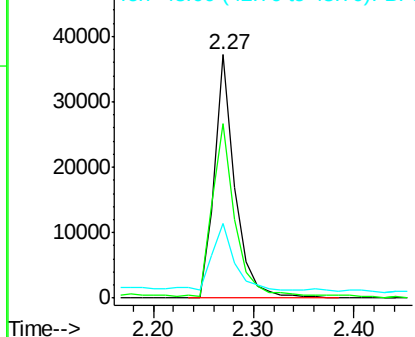
#2

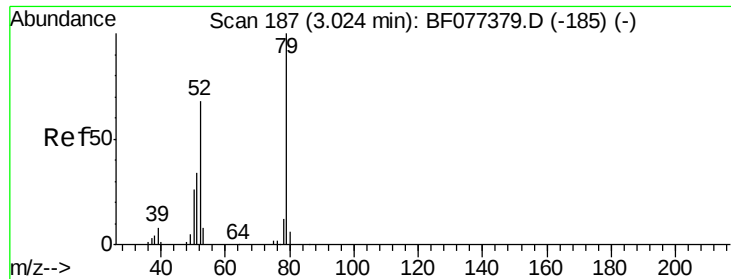
1,4-Dioxane  
Concen: 28.22 ng  
RT: 2.27 min Scan# 121  
Delta R.T. 0.03 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion: 88 Resp: 52941  
Ion Ratio Lower Upper  
88 100  
58 83.0 62.1 93.1  
43 29.6 24.0 36.0



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

Pyridine

Concen: 25.73 ng

RT: 3.00 min Scan# 185

Delta R.T. 0.03 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

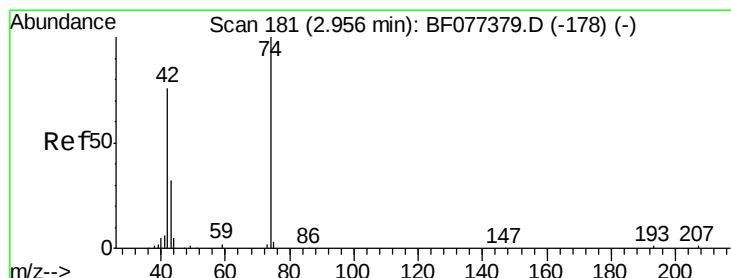
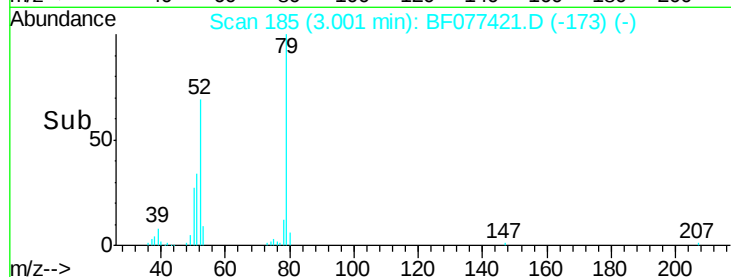
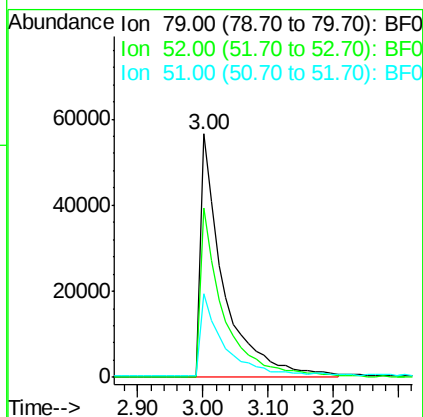
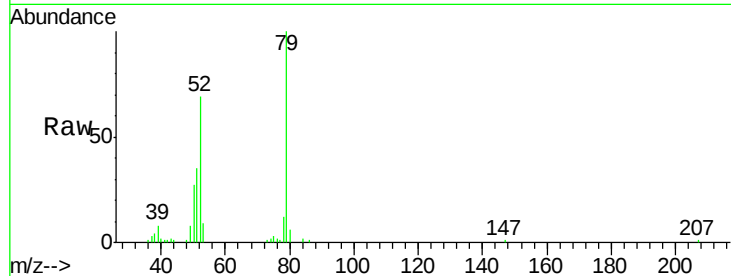
Tgt Ion: 79 Resp: 138067

Ion Ratio Lower Upper

79 100

52 69.4 57.7 86.5

51 34.6 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 28.60 ng

RT: 2.92 min Scan# 178

Delta R.T. 0.02 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

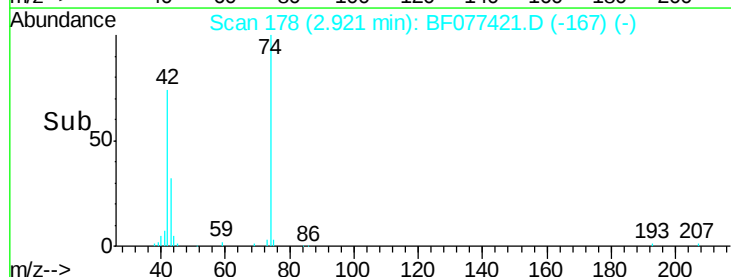
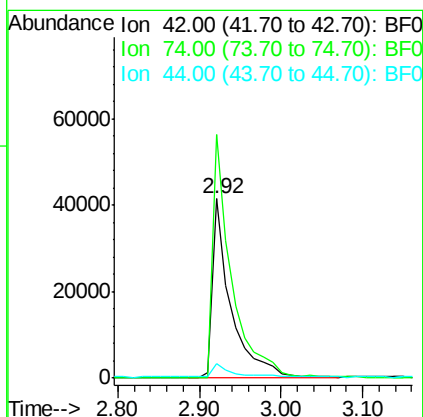
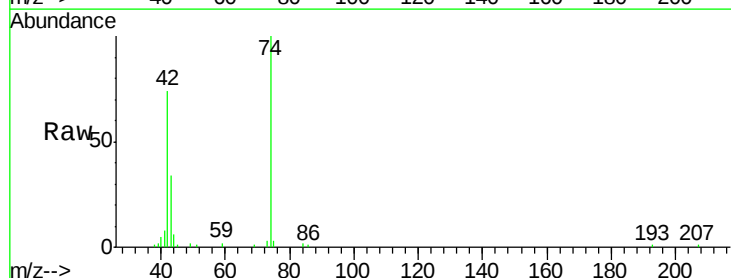
Tgt Ion: 42 Resp: 66725

Ion Ratio Lower Upper

42 100

74 135.8 107.1 160.7

44 7.9 6.7 10.1





#5

2-Fluorophenol

Concen: 64.73 ng

RT: 5.60 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

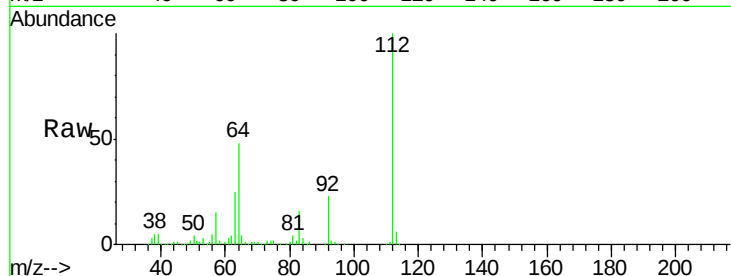
Tgt Ion: 112 Resp: 286162

Ion Ratio Lower Upper

112 100

64 48.4 48.5 72.7#

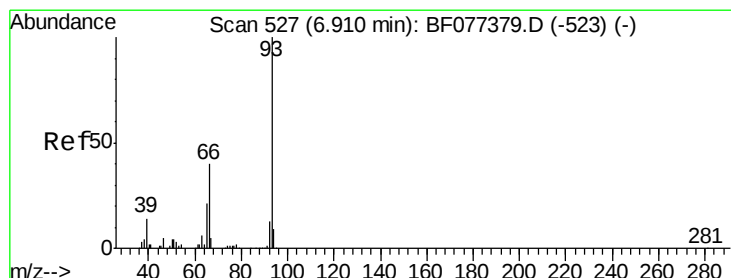
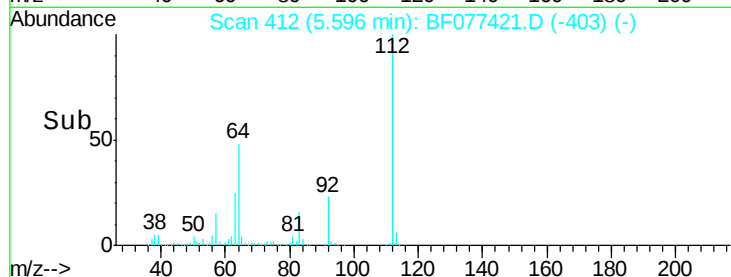
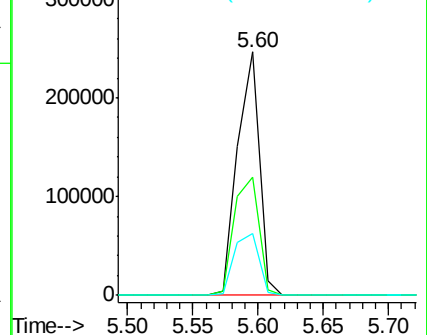
63 25.4 25.0 37.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.88 ng

RT: 6.89 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

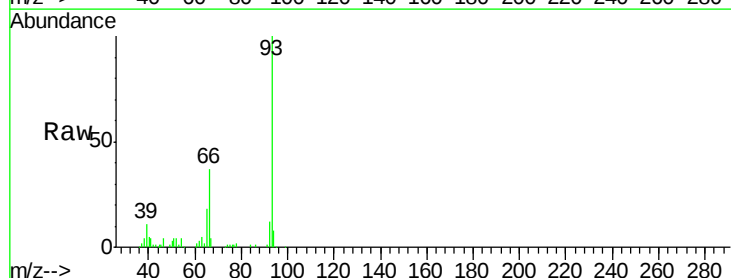
Tgt Ion: 93 Resp: 124764

Ion Ratio Lower Upper

93 100

66 36.9 29.1 43.7

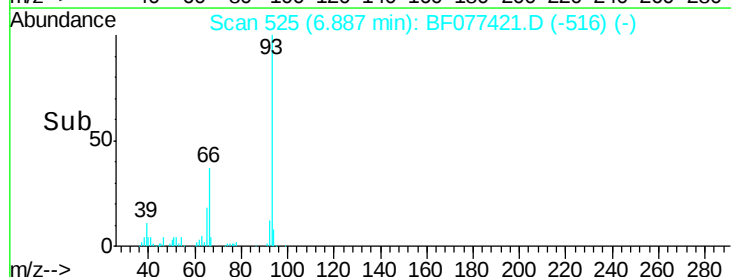
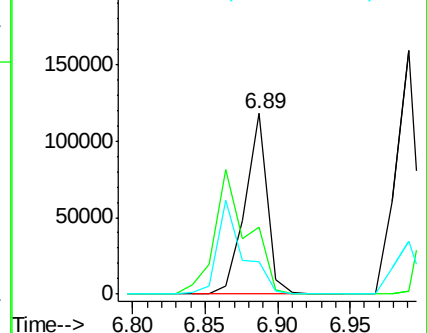
65 17.7 14.6 22.0



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: 65.26 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

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PB81861BS

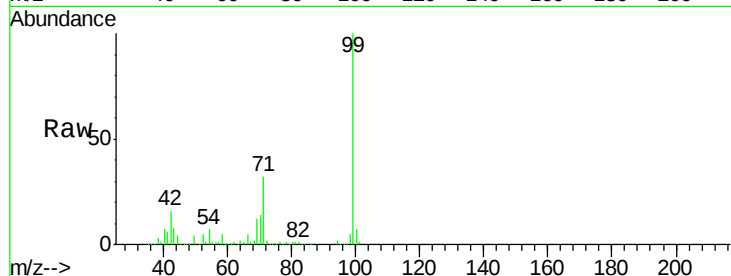
Tgt Ion: 99 Resp: 370926

Ion Ratio Lower Upper

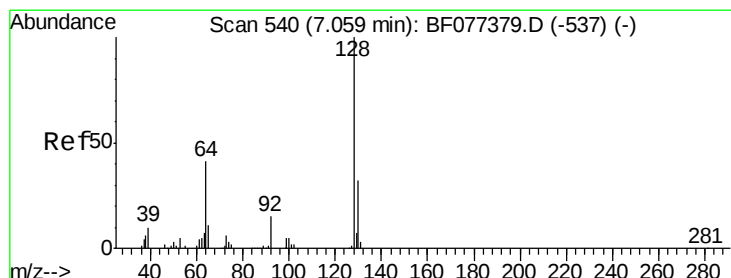
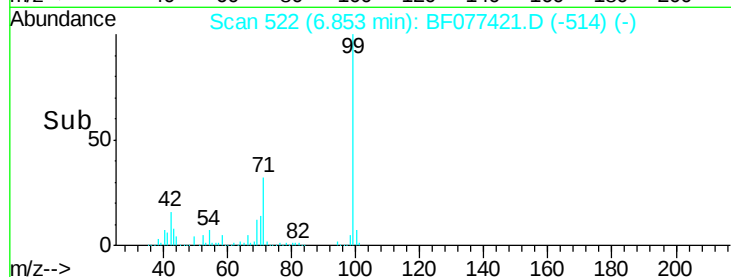
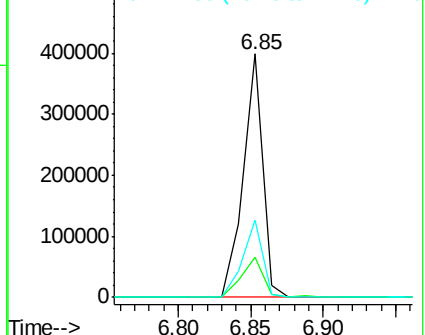
99 100

42 16.4 16.2 24.4

71 31.7 26.7 40.1



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: 32.46 ng

RT: 7.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

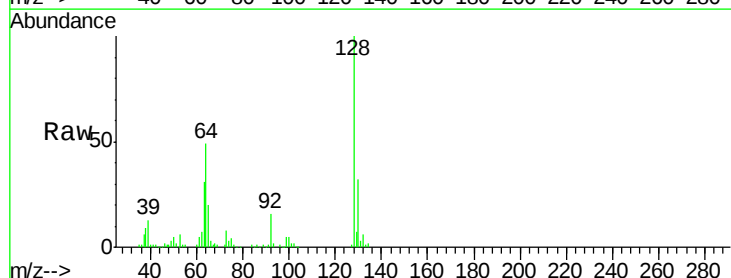
Tgt Ion: 128 Resp: 169300

Ion Ratio Lower Upper

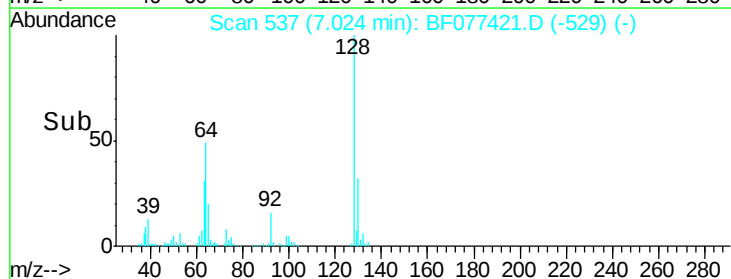
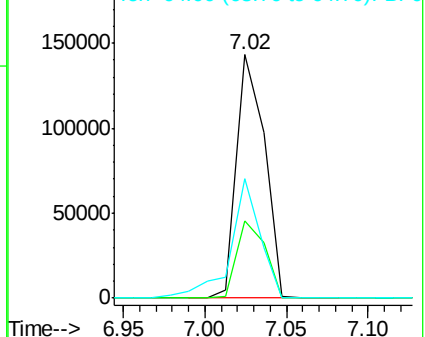
128 100

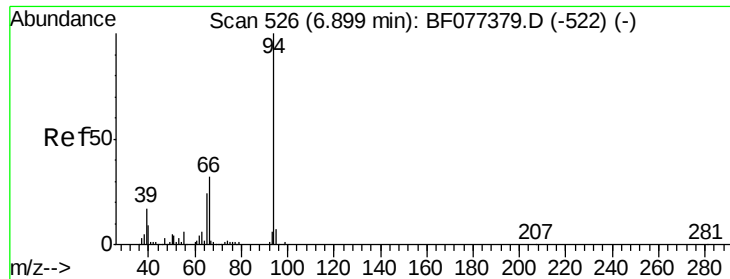
130 31.9 12.0 52.0

64 49.2 29.2 69.2



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





#10

Phenol

Concen: 30.65 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

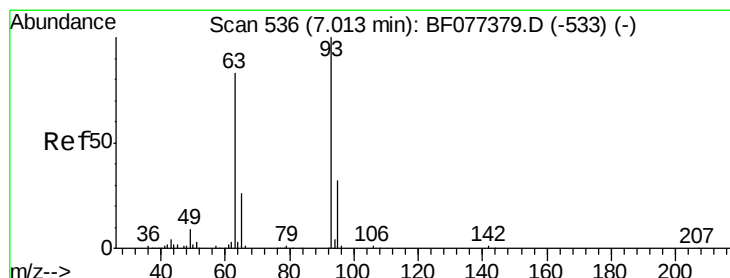
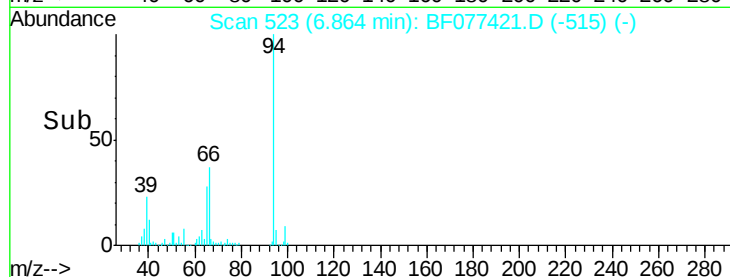
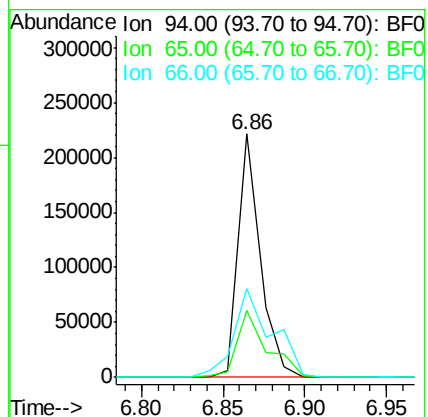
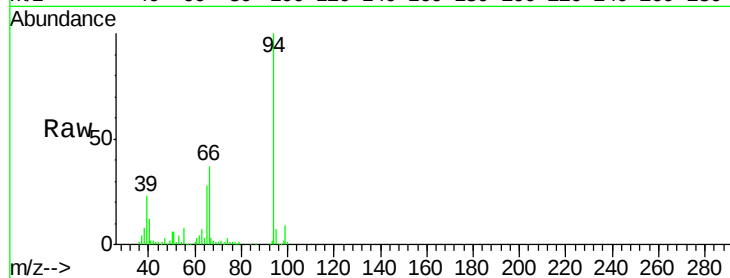
Tgt Ion: 94 Resp: 206724

Ion Ratio Lower Upper

94 100

65 27.8 5.7 45.7

66 36.6 13.6 53.6



#11

bis(2-Chloroethyl)ether

Concen: 31.69 ng

RT: 6.99 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

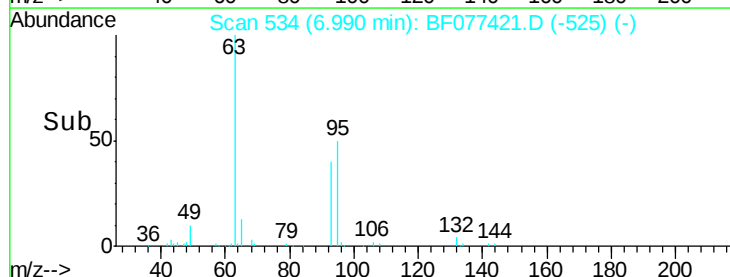
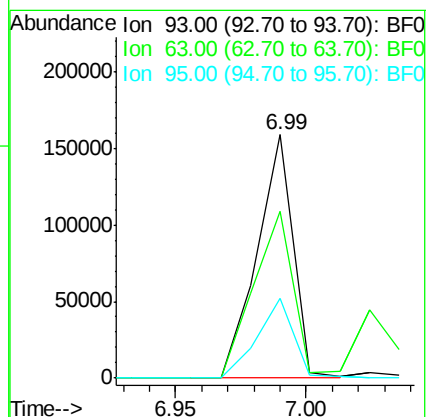
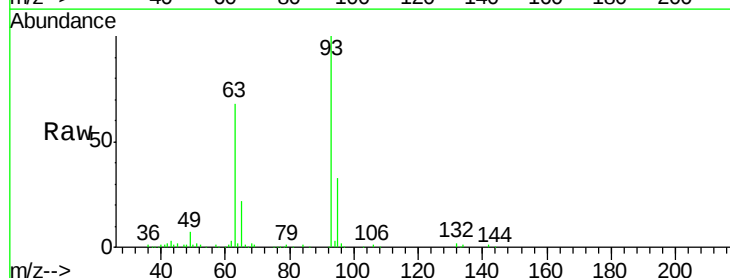
Tgt Ion: 93 Resp: 153576

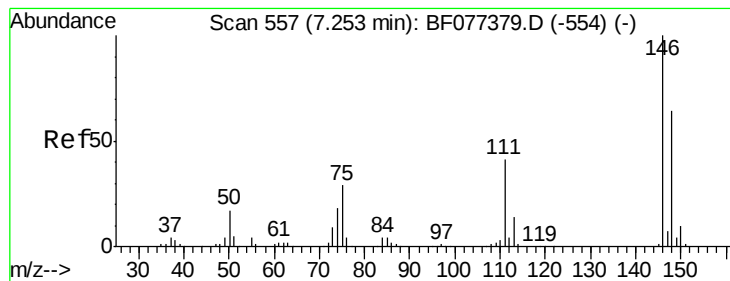
Ion Ratio Lower Upper

93 100

63 68.4 48.7 88.7

95 32.7 13.6 53.6





#12

1,3-Dichlorobenzene

Concen: 31.27 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

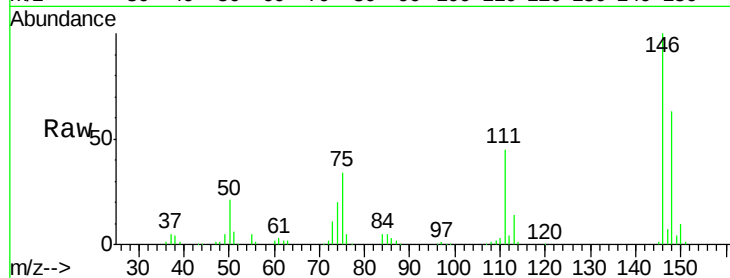
Tgt Ion:146 Resp: 177560

Ion Ratio Lower Upper

146 100

148 62.5 49.8 74.8

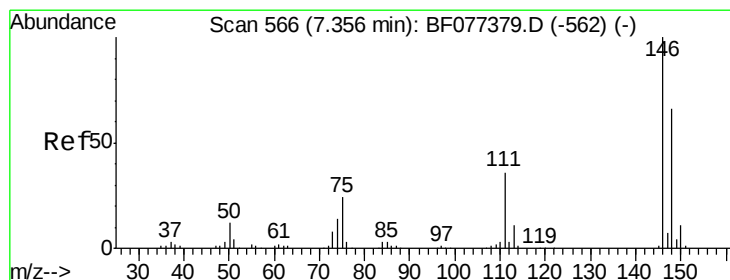
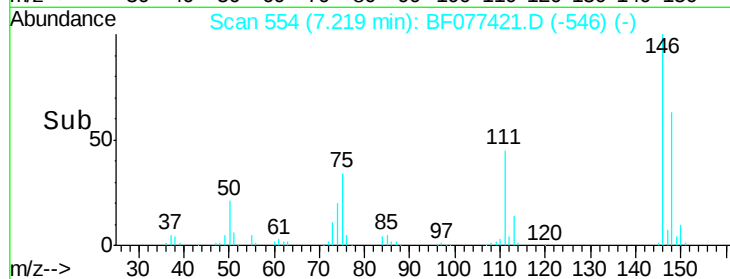
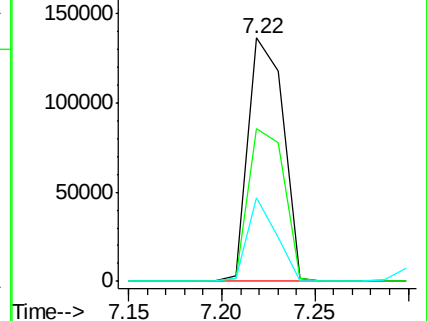
75 34.1 28.2 42.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 31.70 ng

RT: 7.32 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

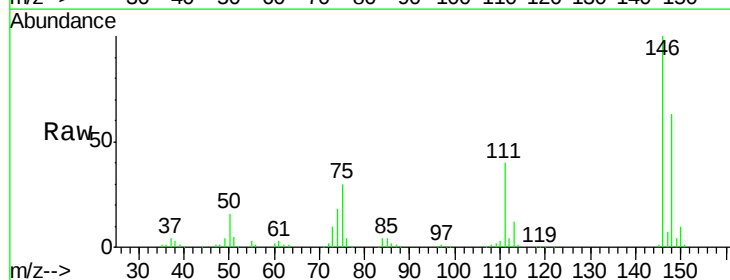
Tgt Ion:146 Resp: 183139

Ion Ratio Lower Upper

146 100

148 63.3 52.0 78.0

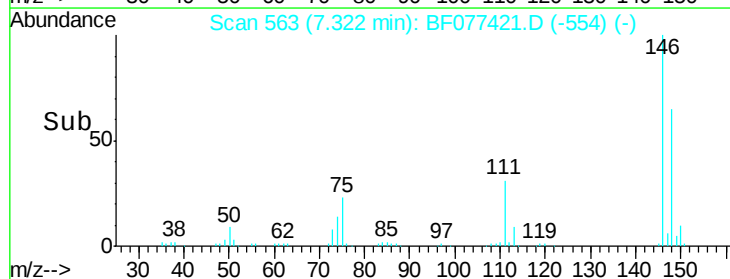
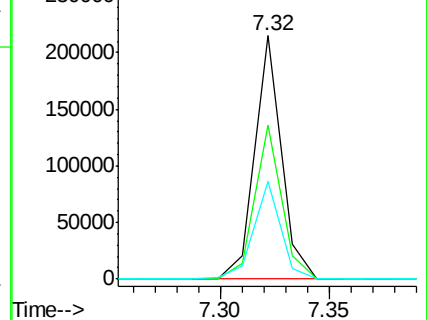
111 40.2 31.9 47.9

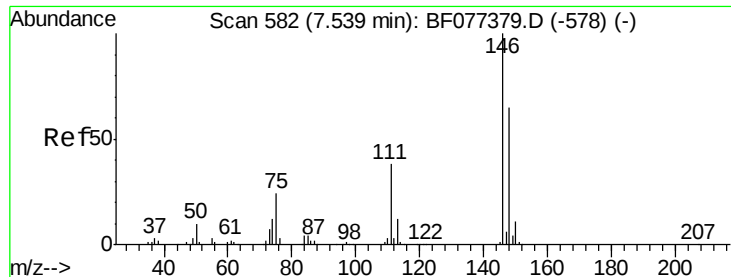


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 32.36 ng

RT: 7.50 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

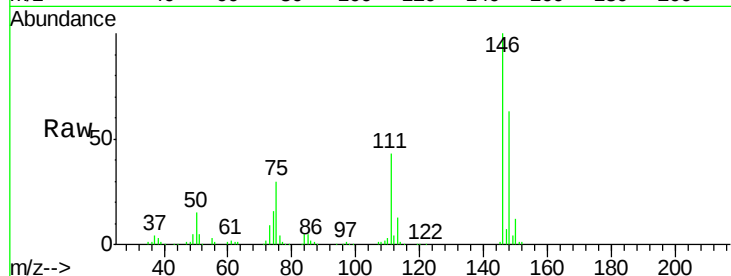
Tgt Ion:146 Resp: 177856

Ion Ratio Lower Upper

146 100

148 63.3 51.6 77.4

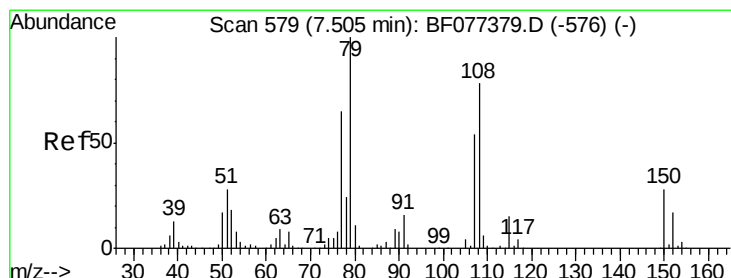
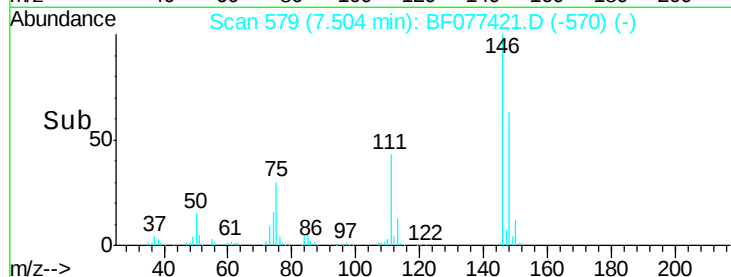
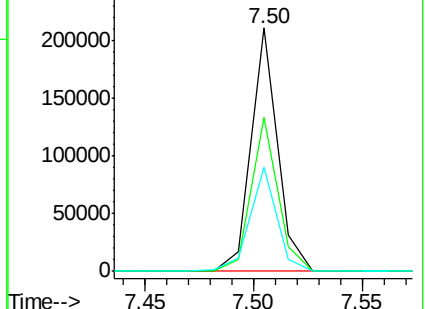
111 42.7 34.2 51.2



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: 32.24 ng

RT: 7.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

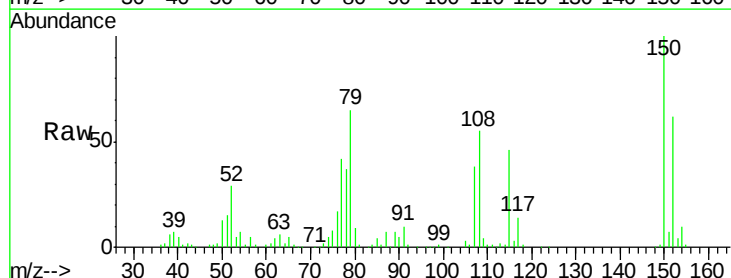
Tgt Ion: 79 Resp: 139311

Ion Ratio Lower Upper

79 100

108 84.7 58.3 87.5

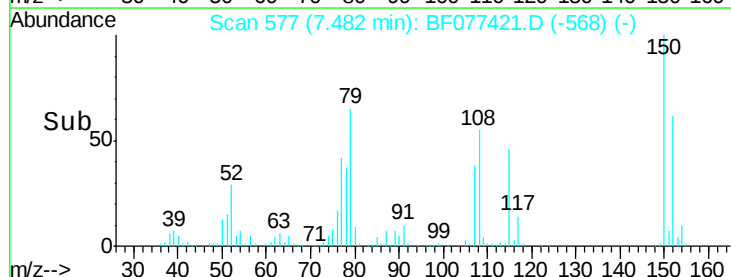
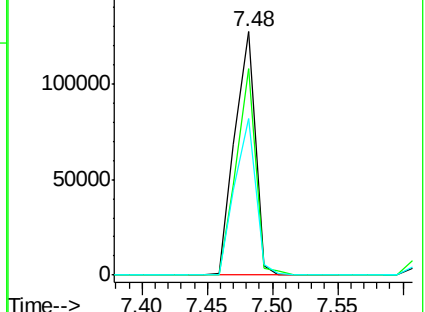
77 64.3 51.3 76.9

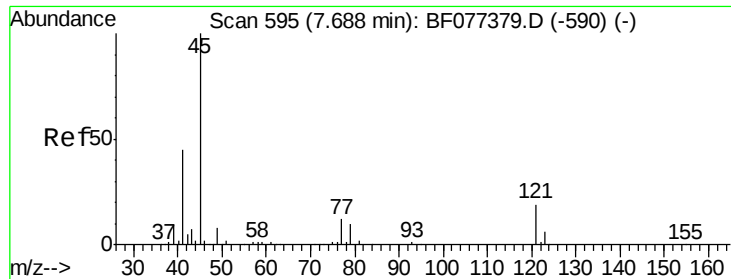


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

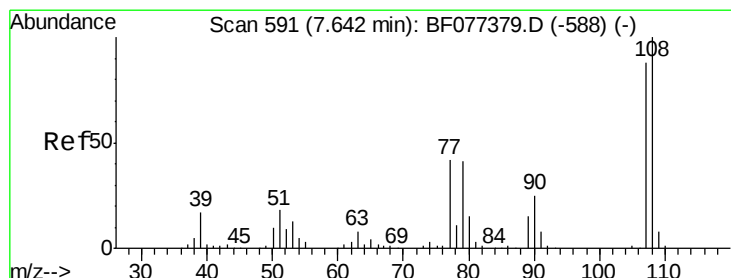
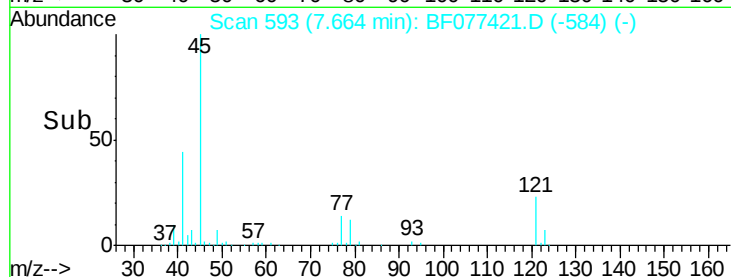
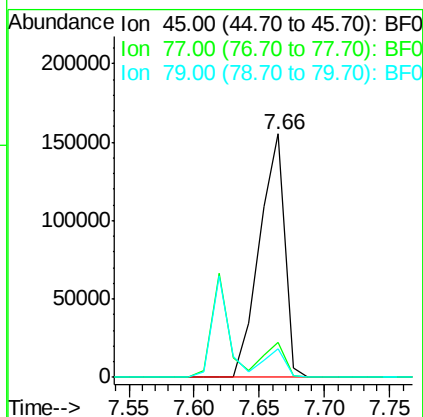
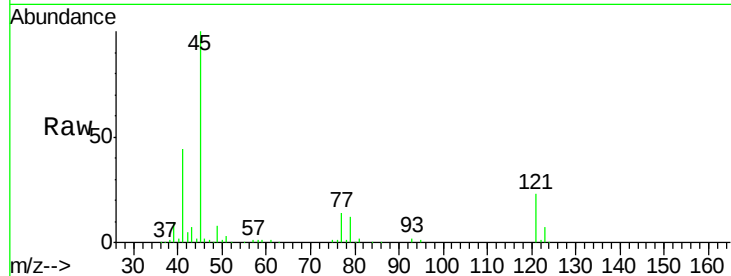




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 30.34 ng  
RT: 7.66 min Scan# 593  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

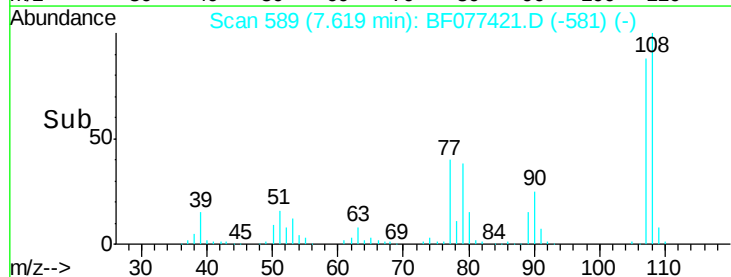
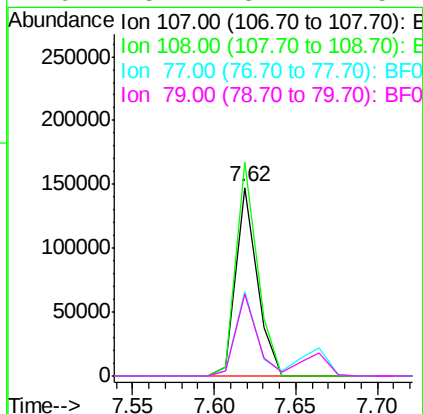
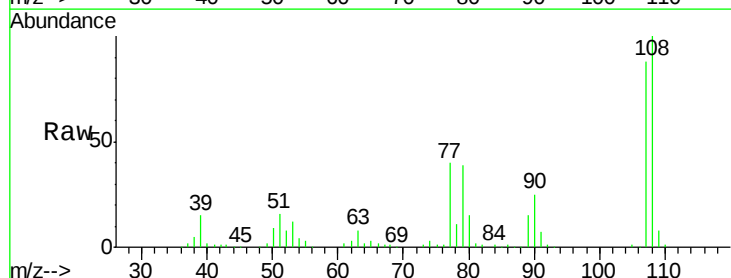
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

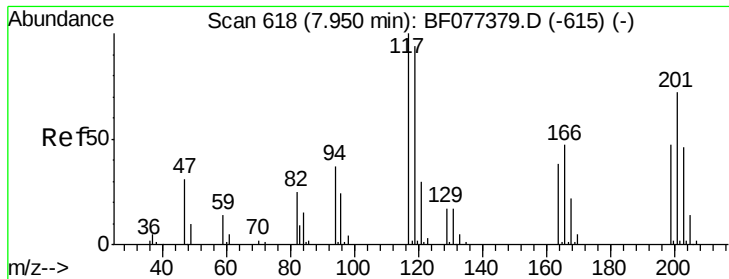
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.3  | 0.0   | 34.6  |
| 79      | 11.8  | 0.0   | 31.5  |



#17  
2-Methylphenol  
Concen: 32.64 ng  
RT: 7.62 min Scan# 589  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.1 | 91.2  | 136.8 |
| 77      | 44.9  | 33.6  | 50.4  |
| 79      | 43.7  | 32.1  | 48.1  |

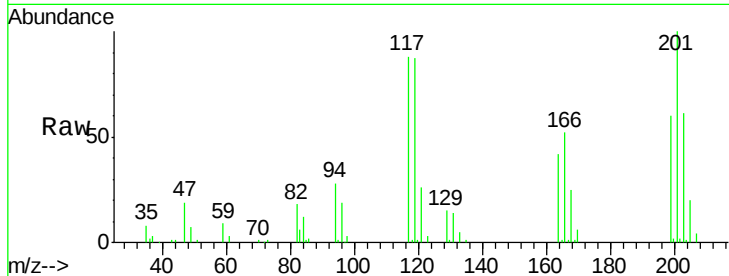




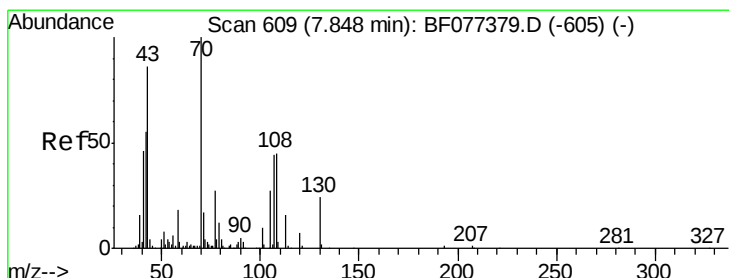
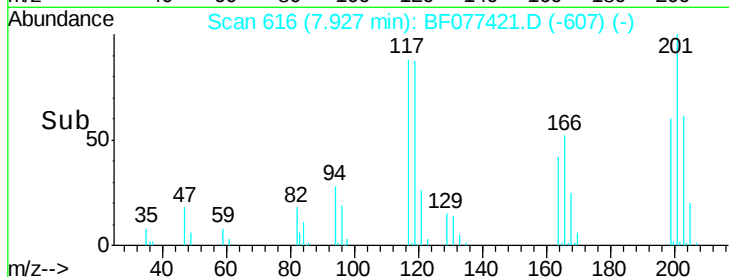
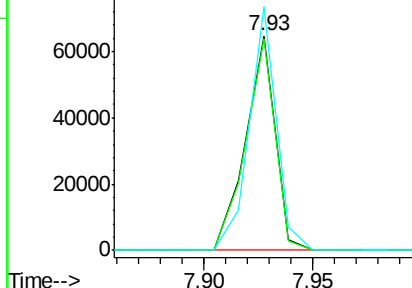
#18  
Hexachloroethane  
Concen: 31.64 ng  
RT: 7.93 min Scan# 616  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

Tgt Ion: 117 Resp: 61059  
Ion Ratio Lower Upper  
117 100  
119 98.7 77.8 116.8  
201 113.5 90.6 136.0



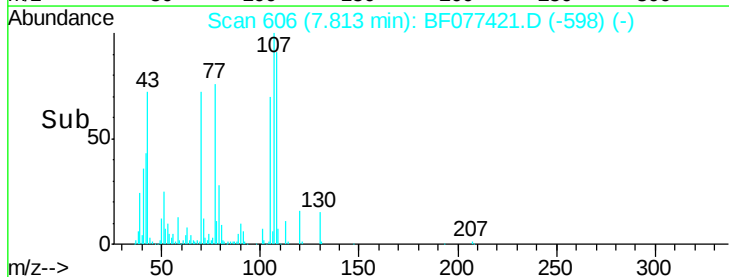
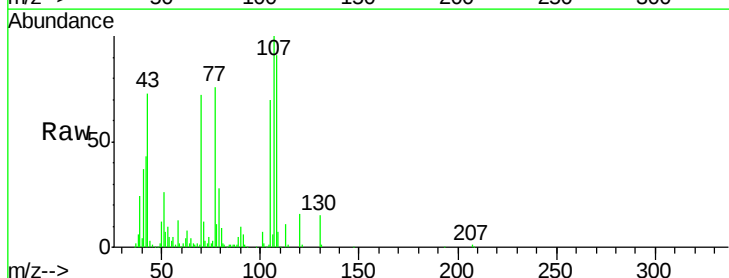
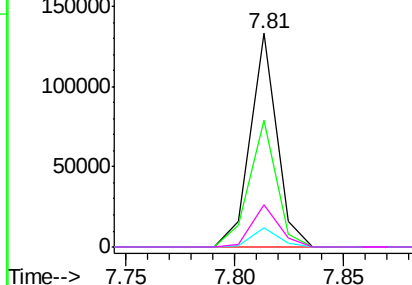
Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

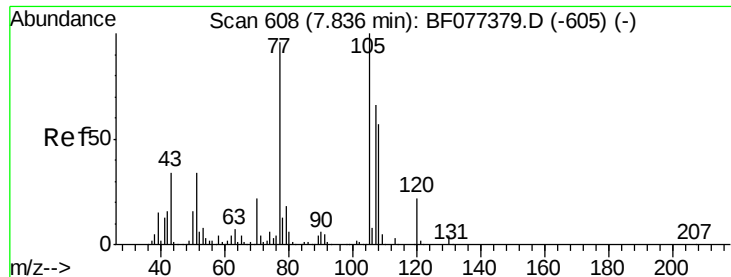


#19  
n-Nitroso-di-n-propylamine  
Concen: 31.51 ng  
RT: 7.81 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion: 70 Resp: 113726  
Ion Ratio Lower Upper  
70 100  
42 59.5 48.3 72.5  
101 9.1 7.5 11.3  
130 20.0 16.7 25.1

Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

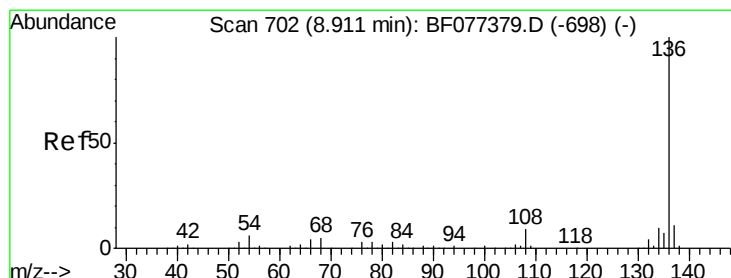
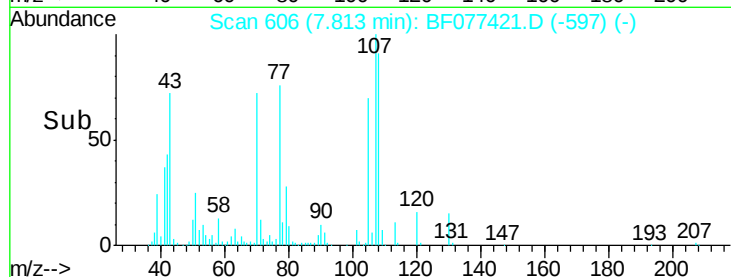
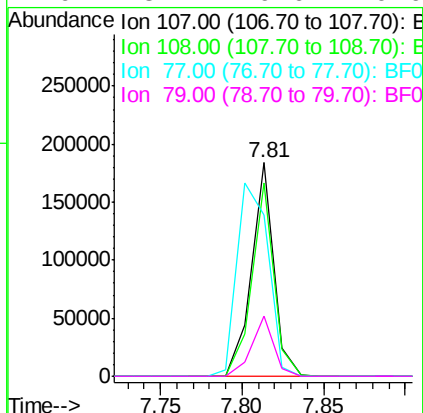
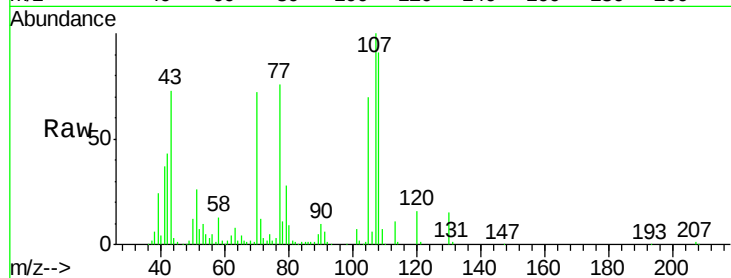




#20  
3+4-Methylphenols  
Concen: 32.40 ng  
RT: 7.81 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

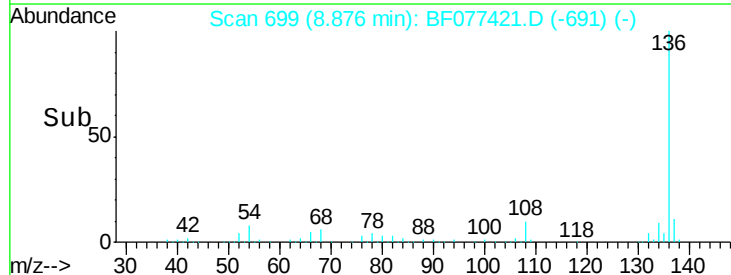
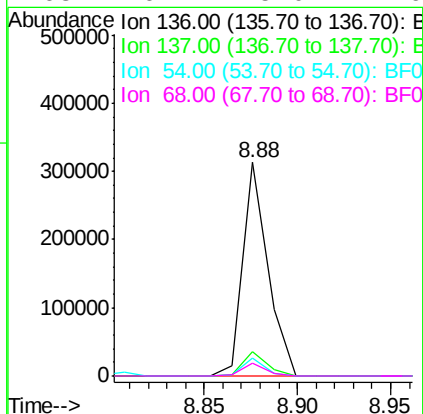
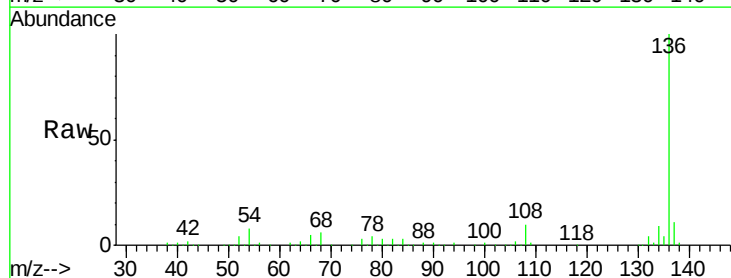
Instrument :  
BNA\_F  
ClientSampled :  
PB81861BS

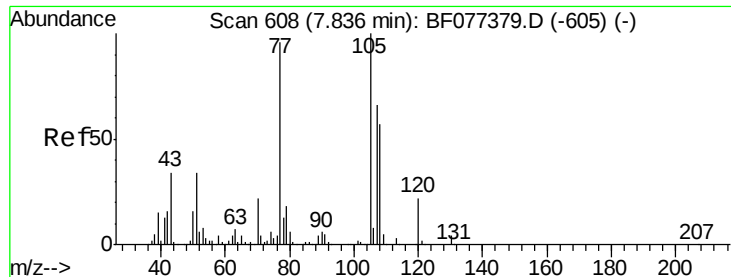
Tgt Ion:107 Resp: 173939  
Ion Ratio Lower Upper  
107 100  
108 90.5 76.8 116.8  
77 75.8 65.8 105.8  
79 28.2 9.6 49.6



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.88 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:136 Resp: 293489  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 8.5 6.2 9.4  
68 6.2 5.0 7.6





#22

Acetophenone

Concen: 31.78 ng

RT: 7.80 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

Tgt Ion: 105 Resp: 219392

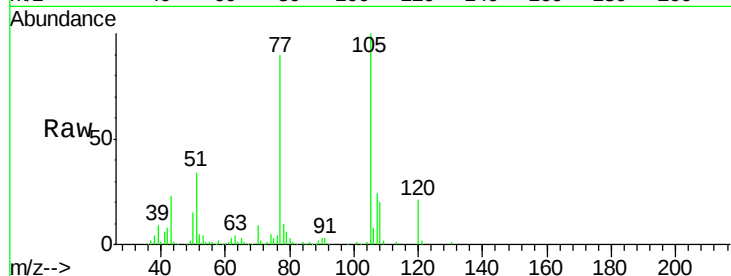
Ion Ratio Lower Upper

105 100

71 1.7 1.7 2.5#

51 34.4 30.7 46.1

120 21.4 16.7 25.1

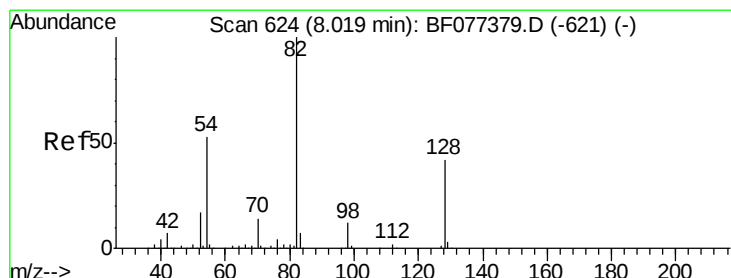
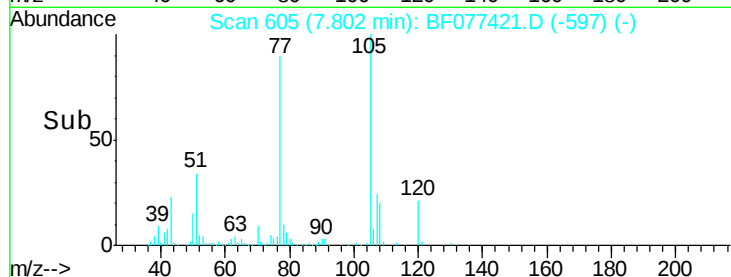
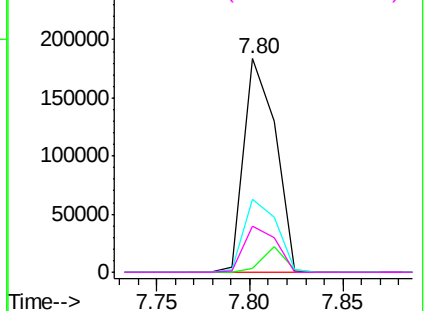


Abundance Ion 105.00 (104.70 to 105.70): E

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: 56.22 ng

RT: 8.00 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

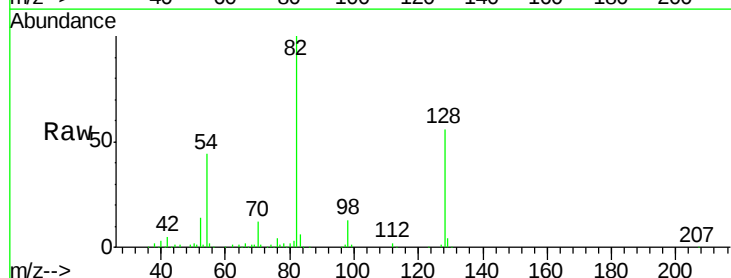
Tgt Ion: 82 Resp: 265319

Ion Ratio Lower Upper

82 100

128 55.8 43.8 65.8

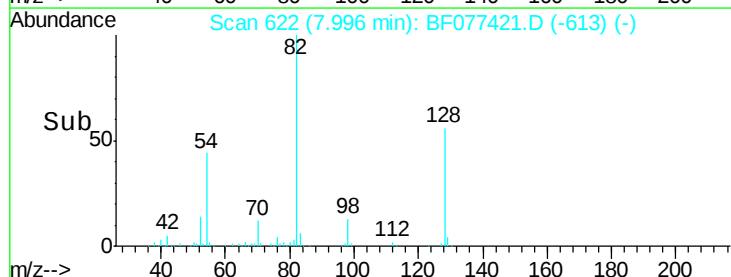
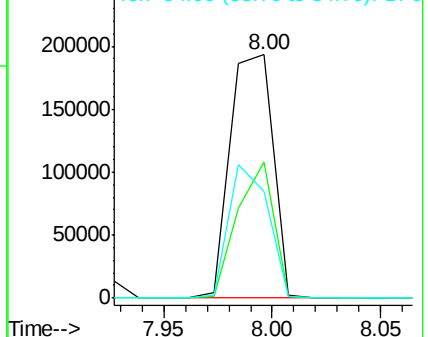
54 43.9 36.7 55.1

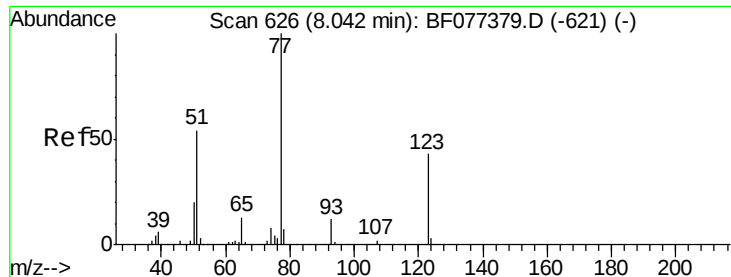


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

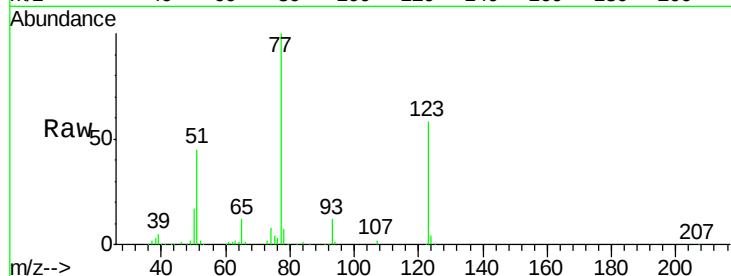




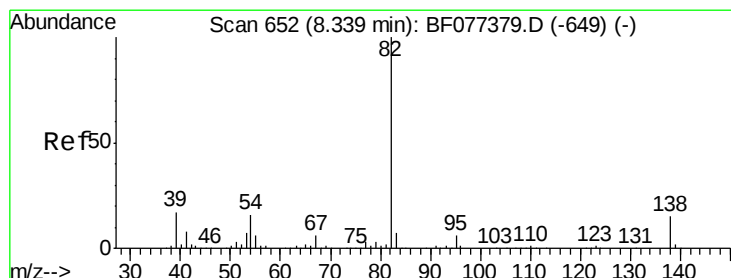
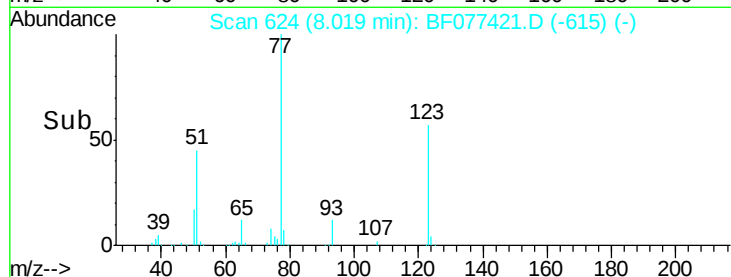
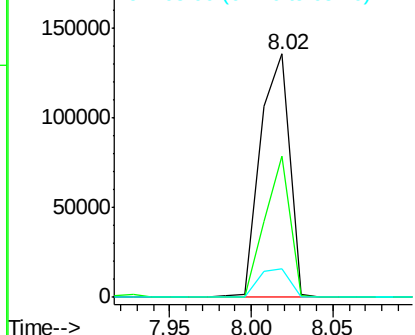
#24  
 Nitrobenzene  
 Concen: 34.03 ng  
 RT: 8.02 min Scan# 624  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

Tgt Ion: 77 Resp: 168952  
 Ion Ratio Lower Upper  
 77 100  
 123 57.8 45.9 68.9  
 65 11.8 9.5 14.3

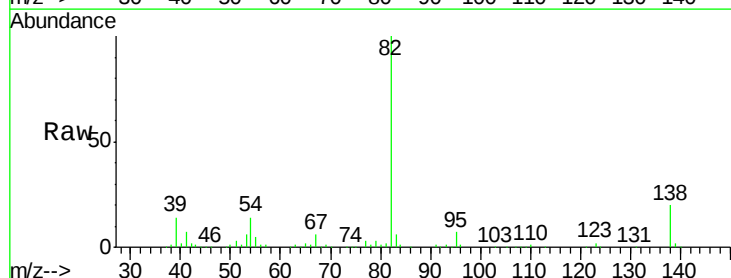


Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): BF0  
 Ion 65.00 (64.70 to 65.70): BF0

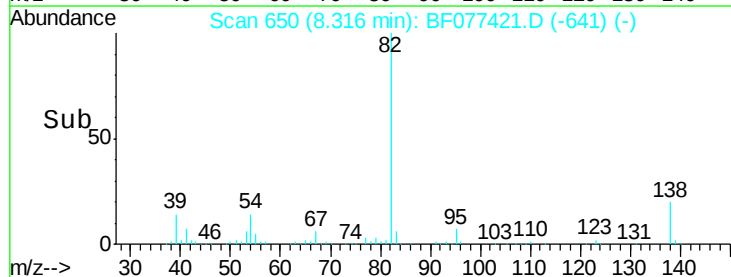
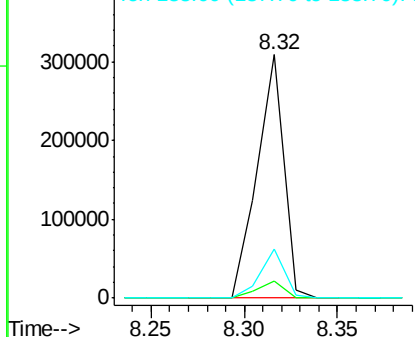


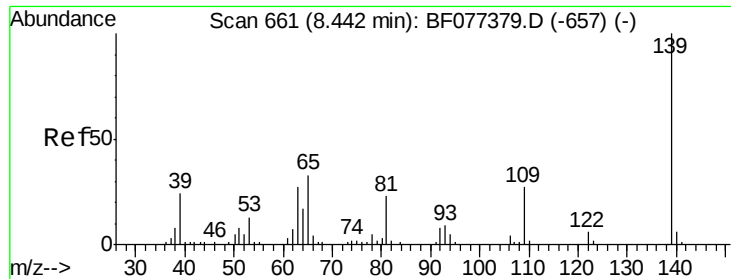
#25  
 Isophorone  
 Concen: 32.57 ng  
 RT: 8.32 min Scan# 650  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion: 82 Resp: 304946  
 Ion Ratio Lower Upper  
 82 100  
 95 7.2 5.4 8.2  
 138 20.3 16.3 24.5



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#26

2-Nitrophenol

Concen: 37.79 ng

RT: 8.41 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

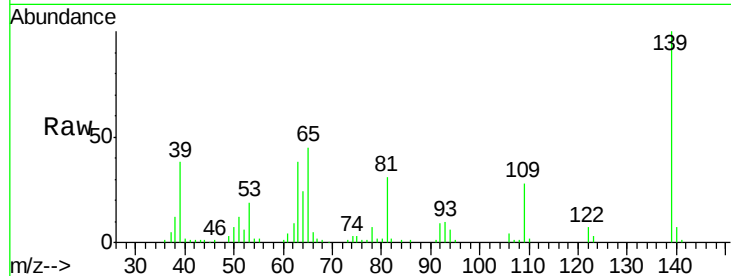
Tgt Ion:139 Resp: 76902

Ion Ratio Lower Upper

139 100

109 27.8 22.6 34.0

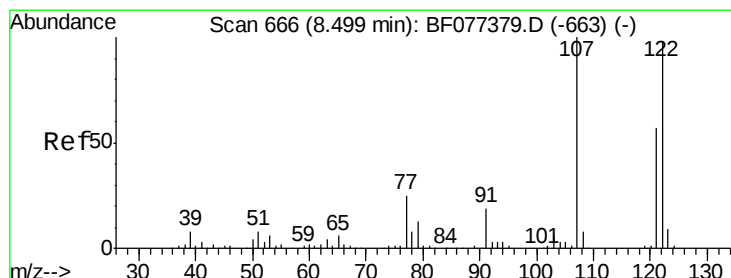
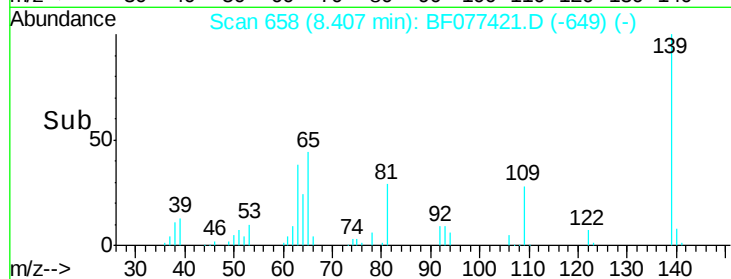
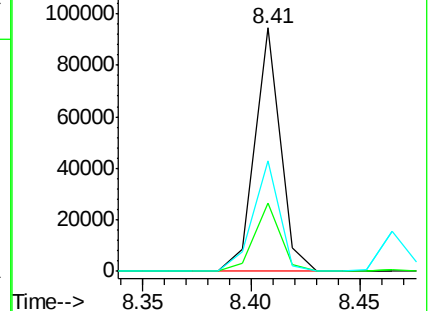
65 45.3 36.4 54.6



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): E



#27

2,4-Dimethylphenol

Concen: 32.18 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

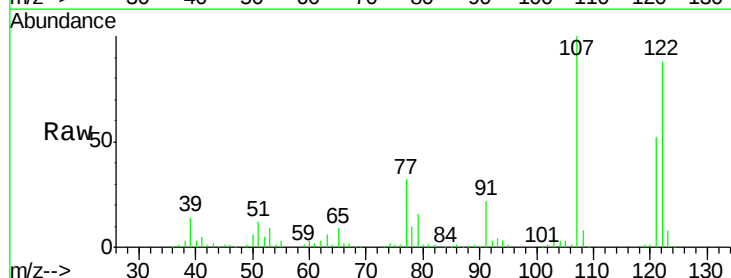
Tgt Ion:122 Resp: 146534

Ion Ratio Lower Upper

122 100

107 114.0 86.6 130.0

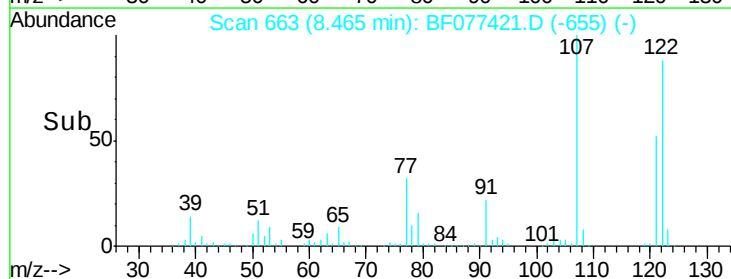
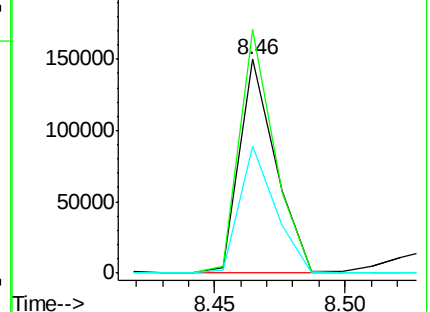
121 59.8 47.4 71.0

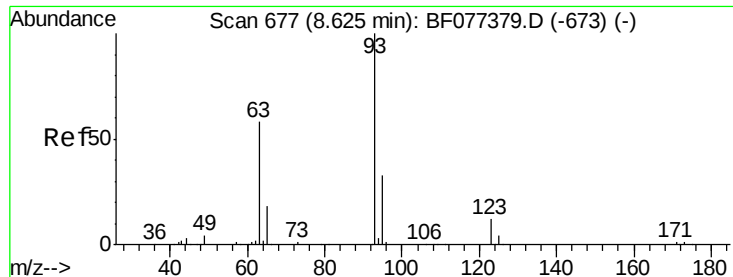


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

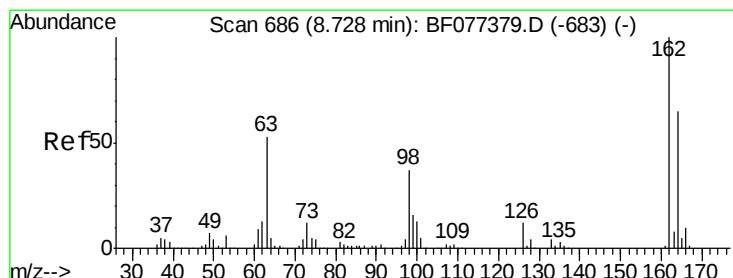
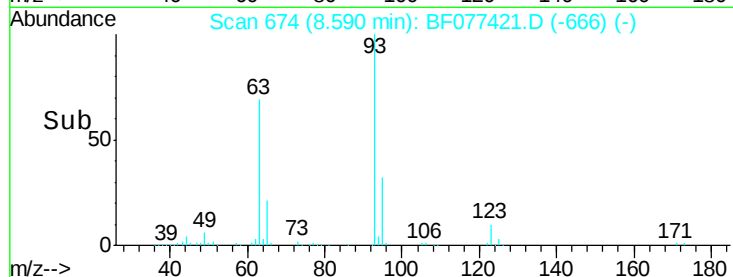
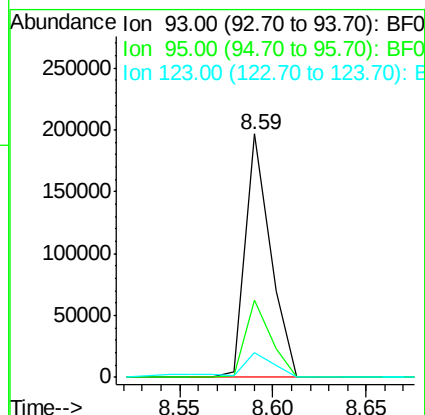
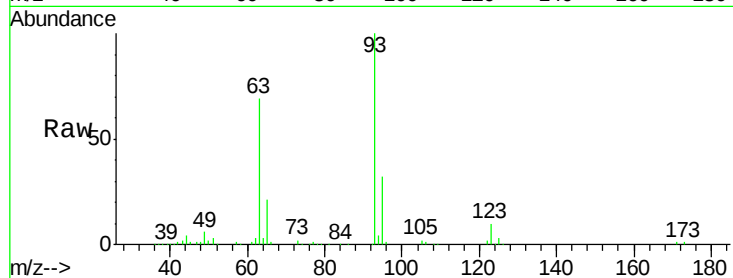




#28  
bis(2-Chloroethoxy)methane  
Concen: 31.46 ng  
RT: 8.59 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

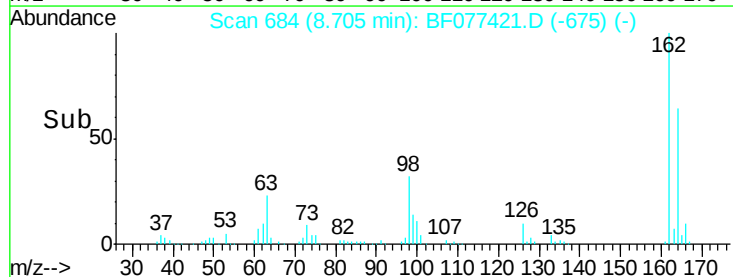
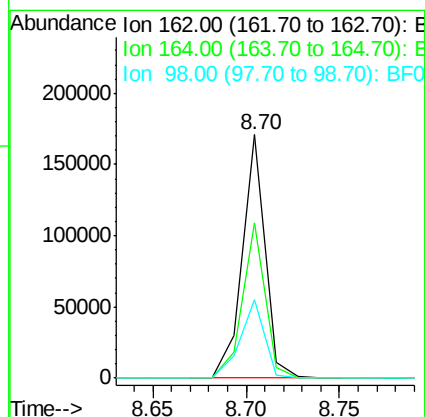
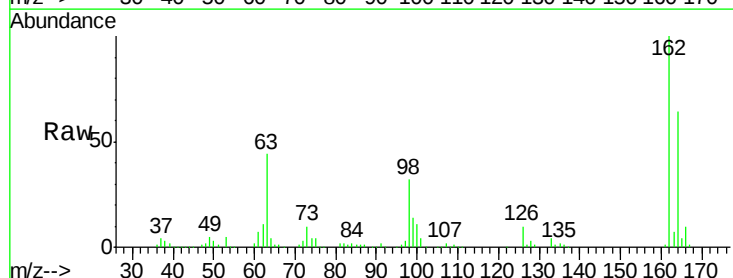
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

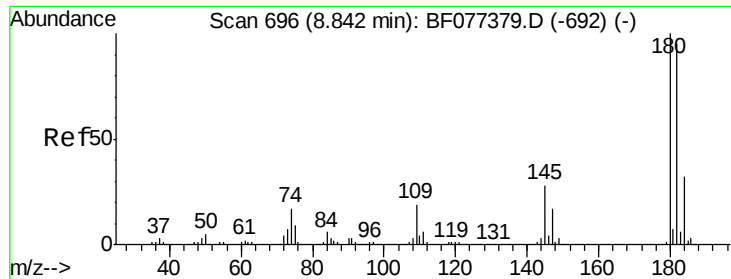
Tgt Ion: 93 Resp: 186064  
Ion Ratio Lower Upper  
93 100  
95 31.6 26.4 39.6  
123 10.2 8.7 13.1



#29  
2,4-Dichlorophenol  
Concen: 34.24 ng  
RT: 8.70 min Scan# 684  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion: 162 Resp: 146353  
Ion Ratio Lower Upper  
162 100  
164 63.9 46.4 86.4  
98 32.5 6.9 46.9

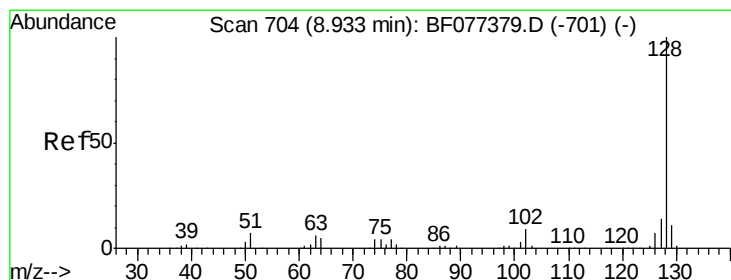
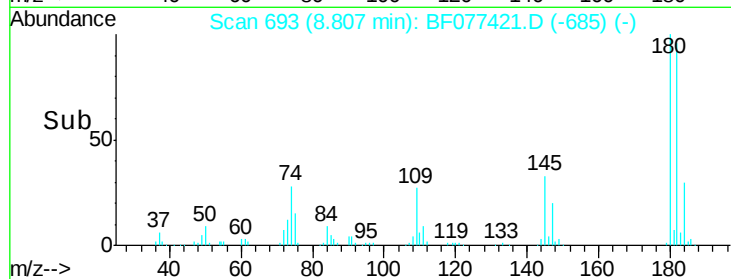
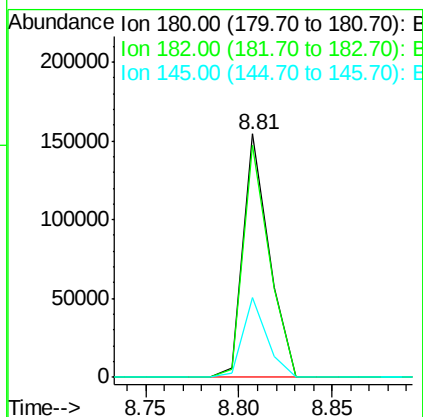
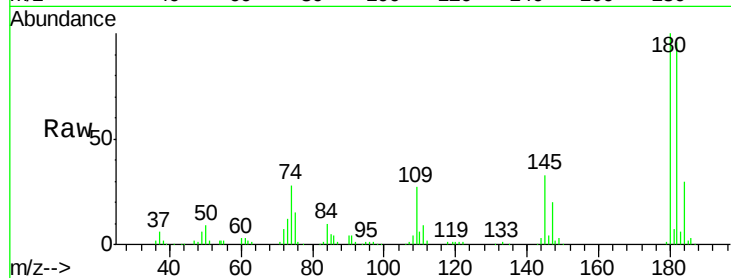




#30  
 1,2,4-Trichlorobenzene  
 Concen: 31.75 ng  
 RT: 8.81 min Scan# 693  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

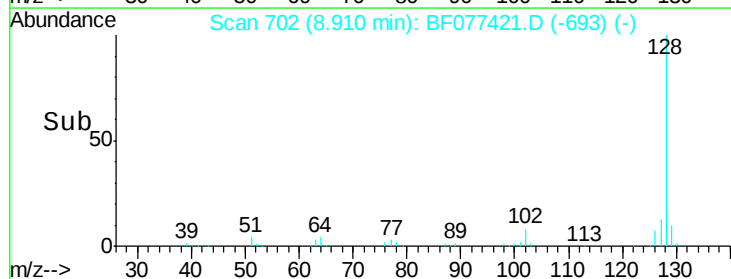
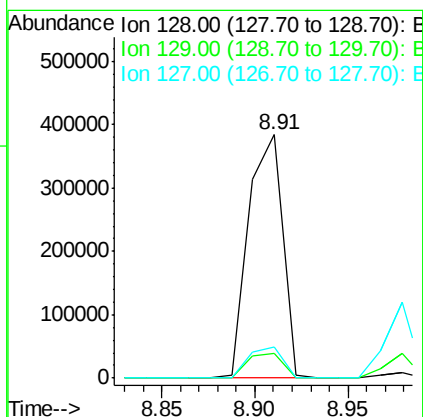
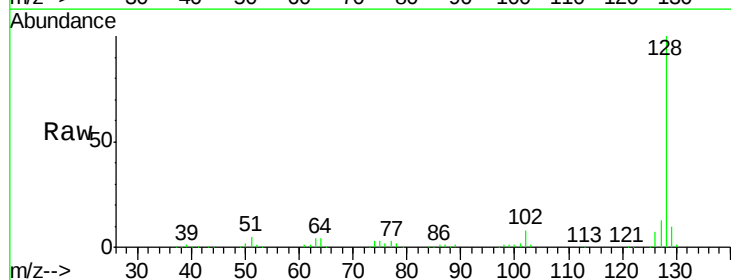
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

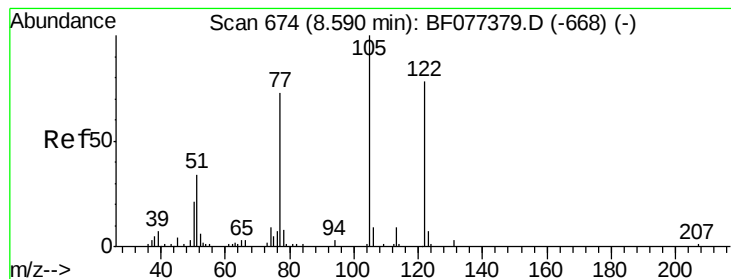
Tgt Ion:180 Resp: 149175  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.2 114.4  
 145 32.8 24.5 36.7



#31  
 Naphthalene  
 Concen: 32.98 ng  
 RT: 8.91 min Scan# 702  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion:128 Resp: 484022  
 Ion Ratio Lower Upper  
 128 100  
 129 10.4 9.4 14.0  
 127 13.0 10.6 15.8





#32

Benzoic acid

Concen: 36.53 ng

RT: 8.56 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

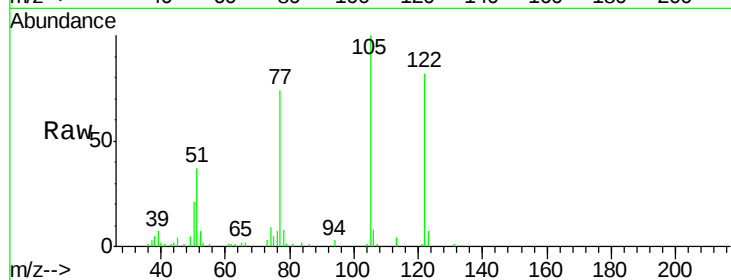
Tgt Ion:122 Resp: 80828

Ion Ratio Lower Upper

122 100

105 121.8 100.3 140.3

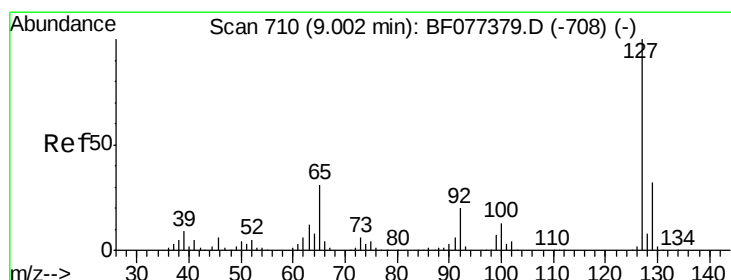
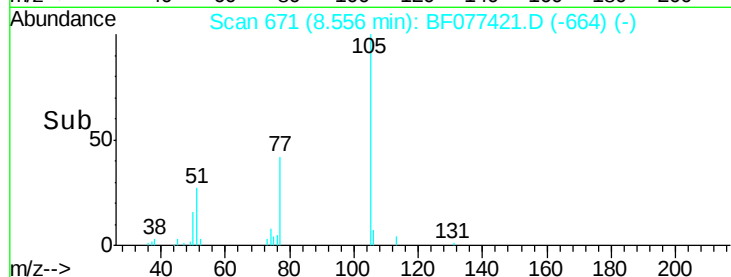
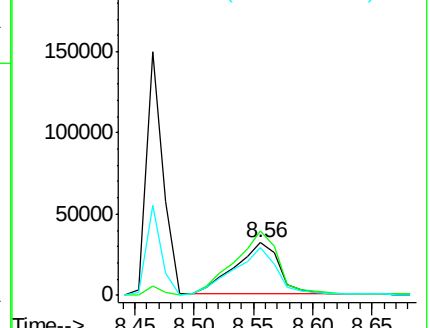
77 90.5 68.7 108.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 18.08 ng

RT: 8.98 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Tgt Ion:127 Resp: 118009

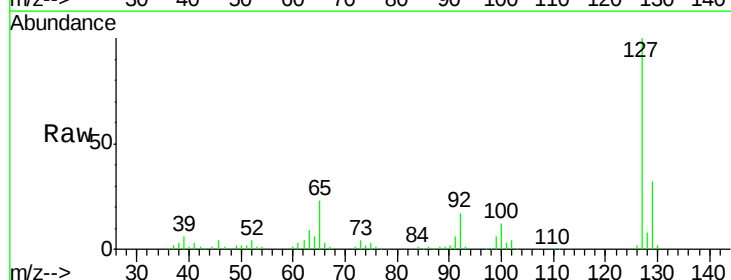
Ion Ratio Lower Upper

127 100

129 32.1 26.9 40.3

65 23.0 16.7 25.1

92 16.7 12.5 18.7

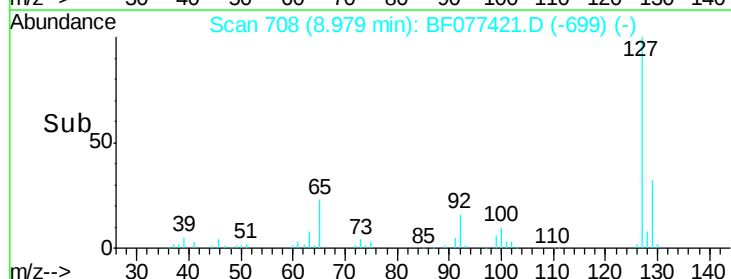
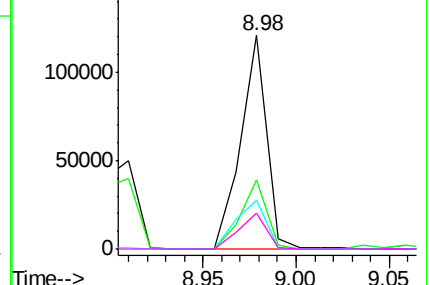


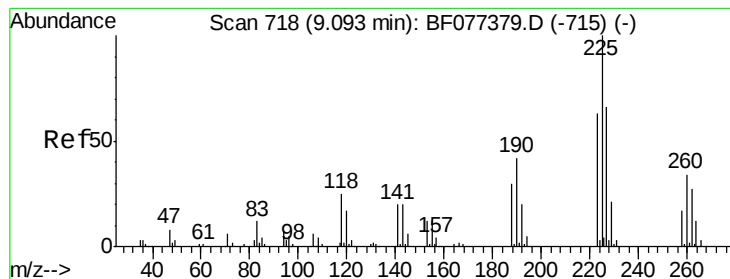
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 31.60 ng

RT: 9.06 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

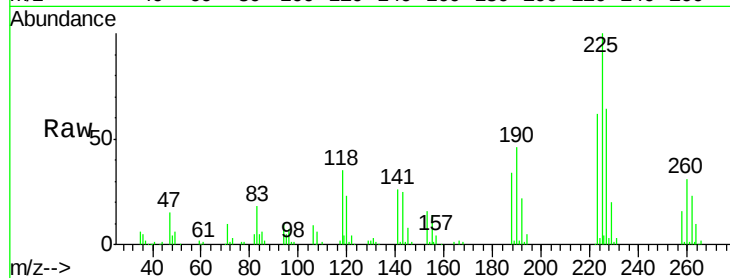
Tgt Ion:225 Resp: 84775

Ion Ratio Lower Upper

225 100

223 62.4 49.5 74.3

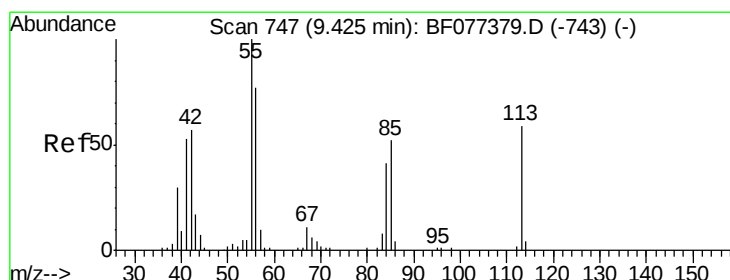
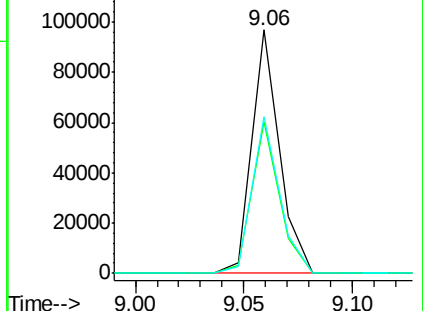
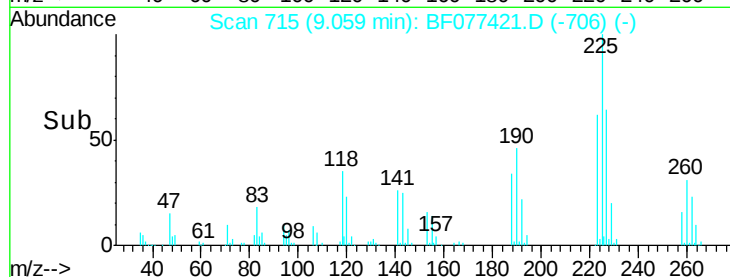
227 64.4 50.5 75.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 33.32 ng

RT: 9.39 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

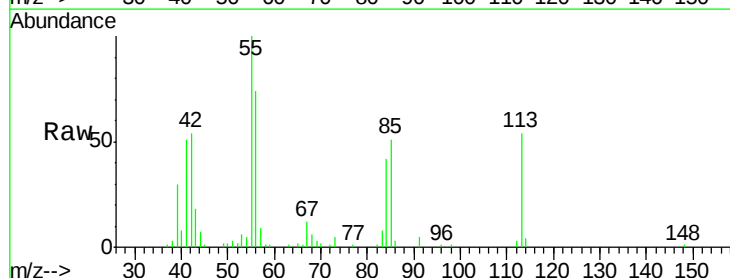
Tgt Ion:113 Resp: 43476

Ion Ratio Lower Upper

113 100

55 186.5 154.6 194.6

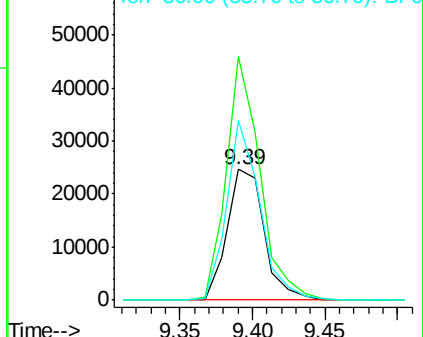
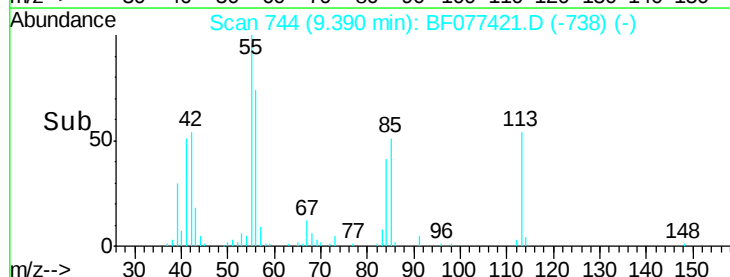
56 137.9 114.0 154.0

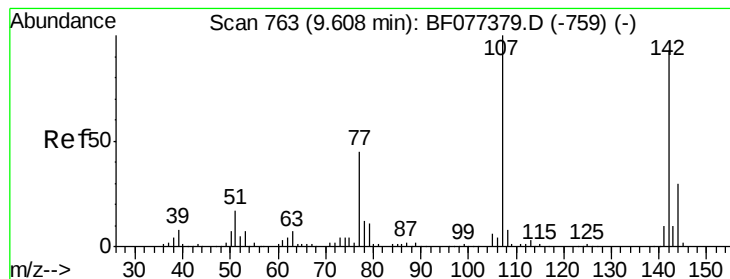


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 32.39 ng

RT: 9.57 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

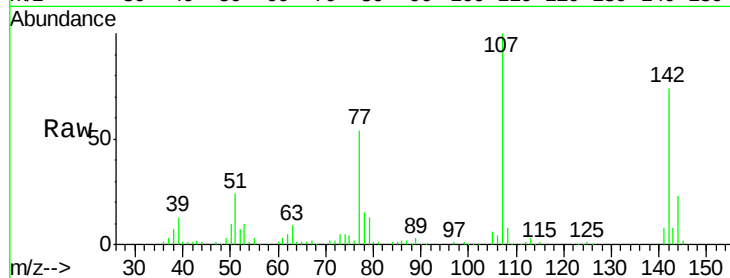
Tgt Ion:107 Resp: 139183

Ion Ratio Lower Upper

107 100

144 23.1 21.1 31.7

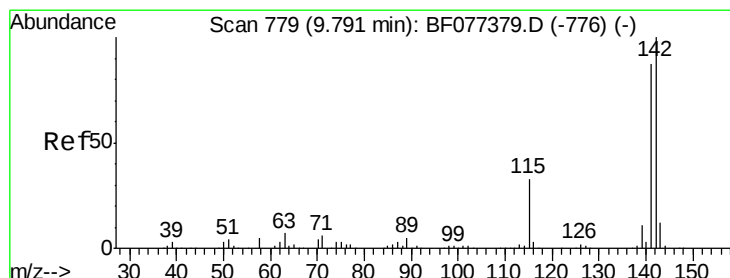
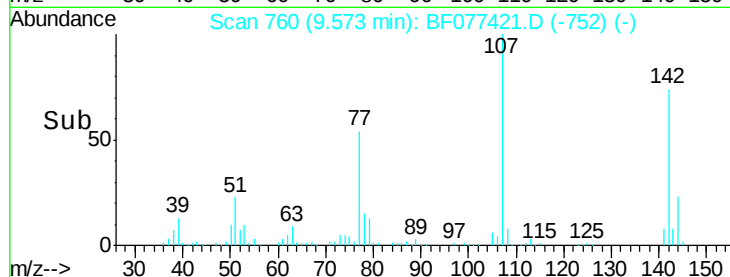
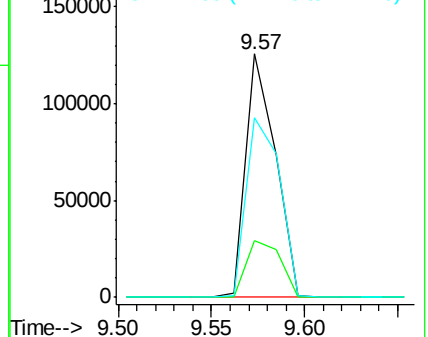
142 73.7 65.3 97.9



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: 32.89 ng

RT: 9.77 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

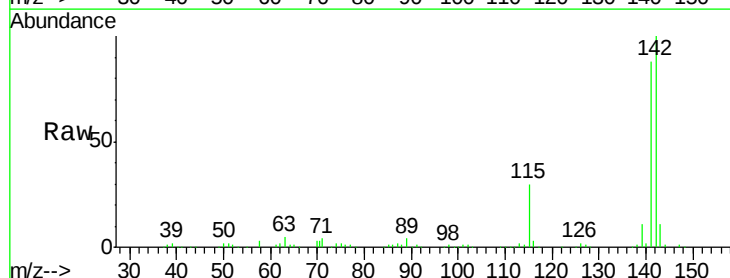
Tgt Ion:142 Resp: 342817

Ion Ratio Lower Upper

142 100

141 88.2 70.7 106.1

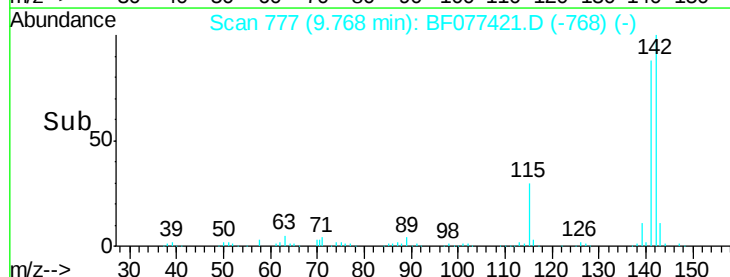
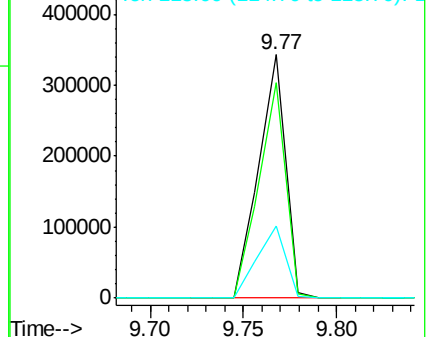
115 29.7 24.2 36.4

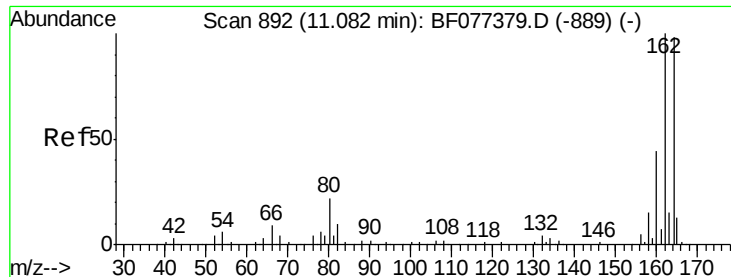


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

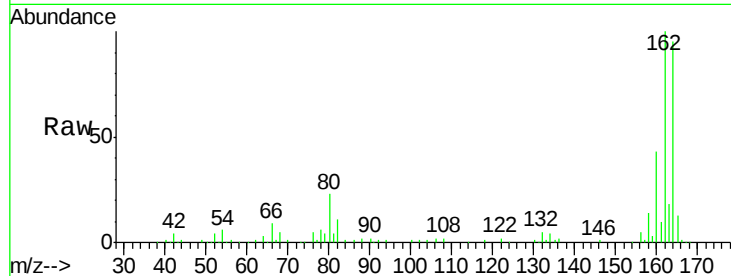




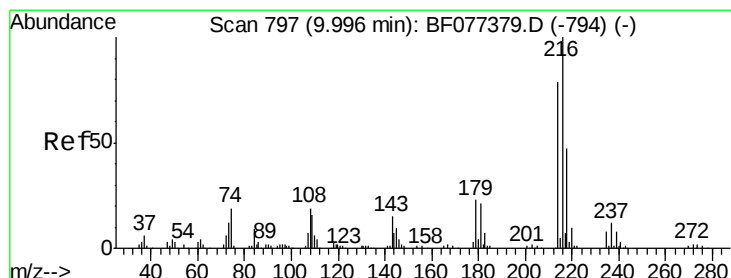
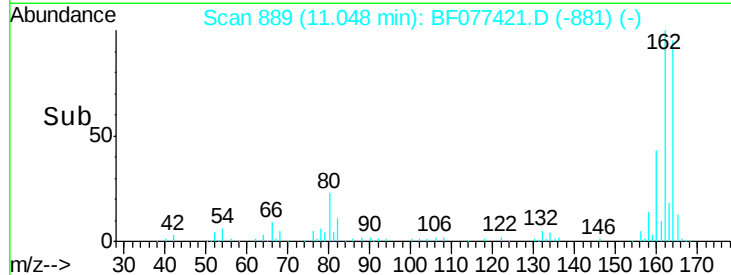
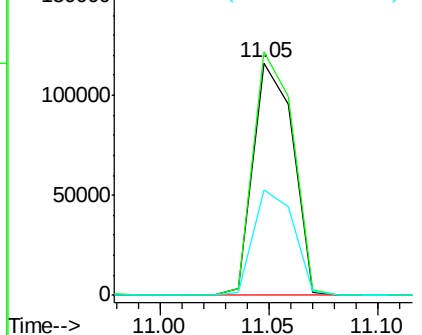
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.05 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

Tgt Ion:164 Resp: 148269  
Ion Ratio Lower Upper  
164 100  
162 104.9 83.2 124.8  
160 45.1 34.6 52.0

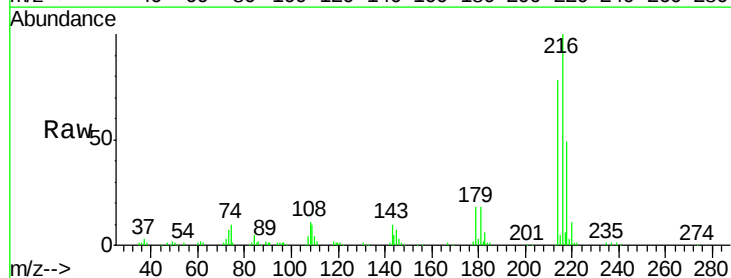


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

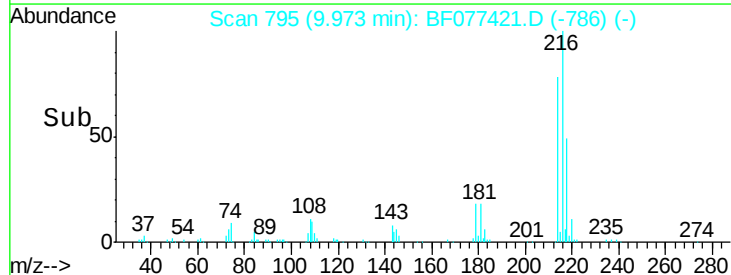
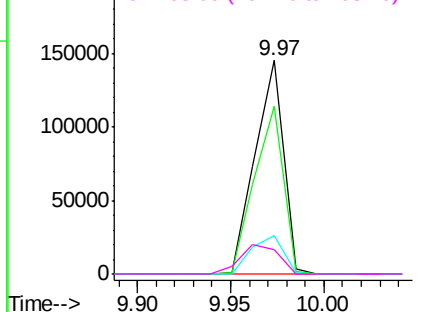


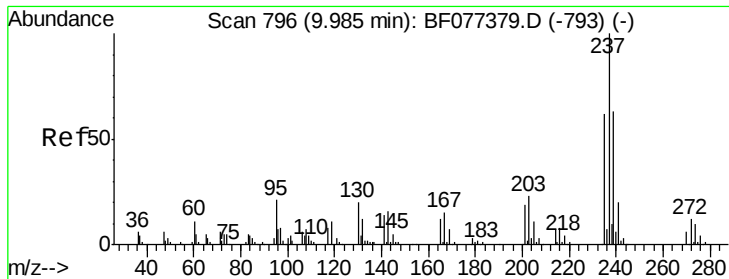
#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 35.86 ng  
RT: 9.97 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:216 Resp: 152554  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.4 95.0  
179 20.4 16.6 25.0  
108 19.1 14.2 21.4



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E

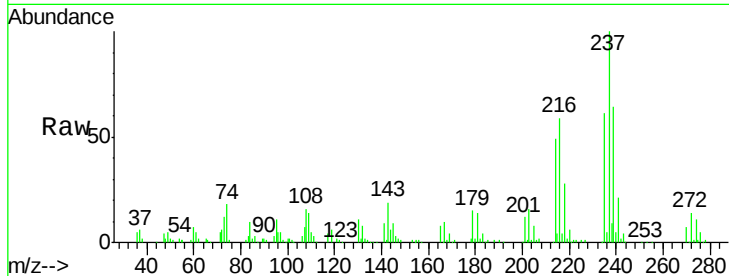




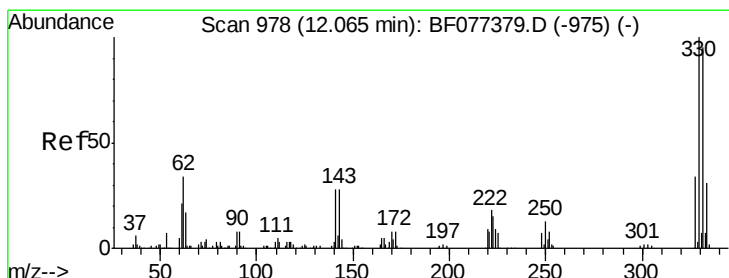
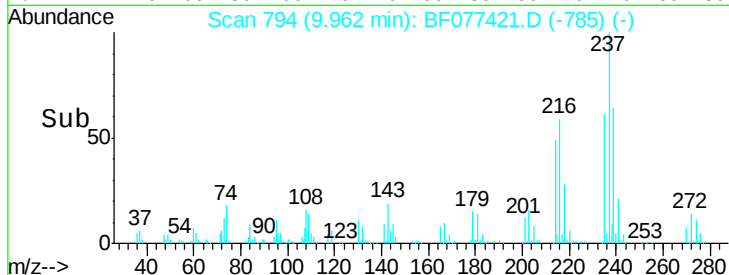
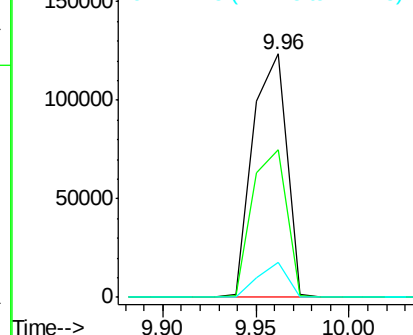
#40  
Hexachlorocyclopentadiene  
Concen: 68.04 ng  
RT: 9.96 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

Tgt Ion:237 Resp: 155217  
Ion Ratio Lower Upper  
237 100  
235 60.6 41.0 81.0  
272 14.5 0.0 34.3

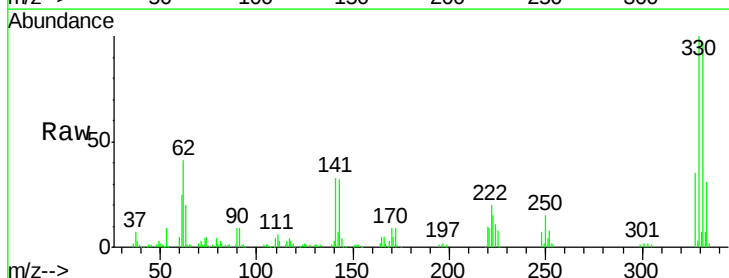


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

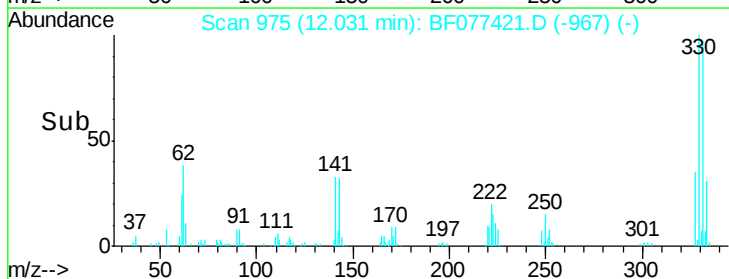
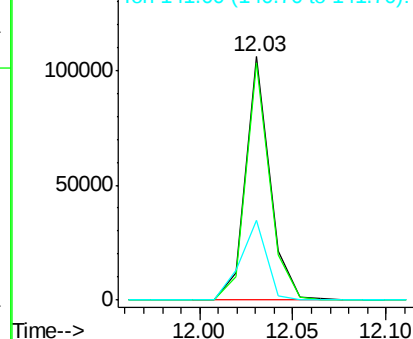


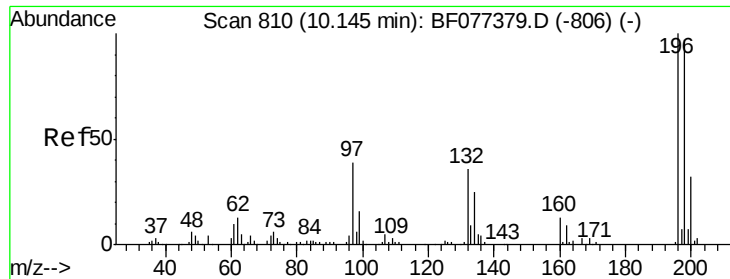
#41  
2,4,6-Tribromophenol  
Concen: 67.53 ng  
RT: 12.03 min Scan# 975  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:330 Resp: 96402  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.4 116.2  
141 35.3 28.8 43.2



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

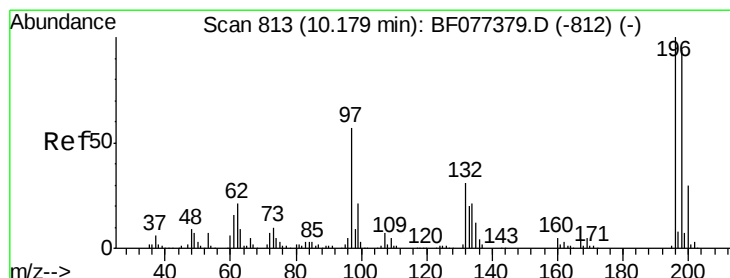
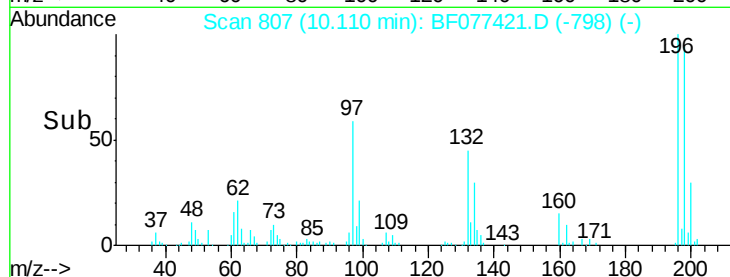
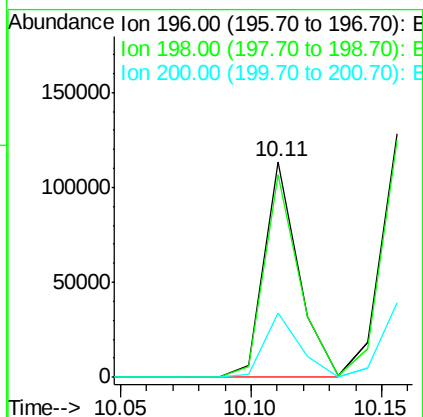
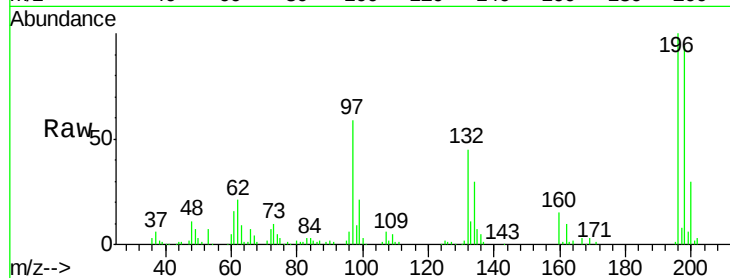




#42  
 2,4,6-Trichlorophenol  
 Concen: 37.17 ng  
 RT: 10.11 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

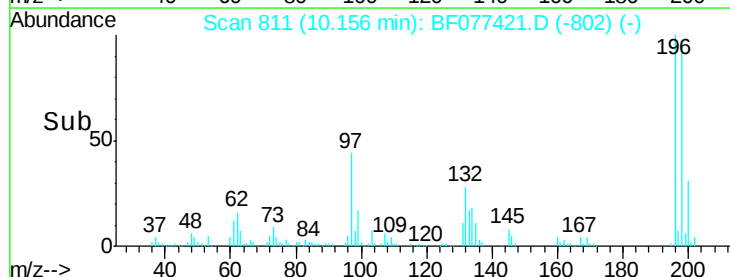
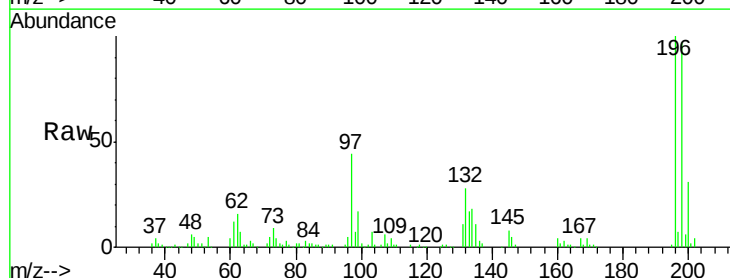
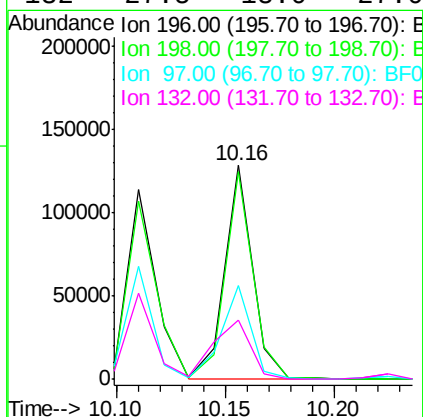
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

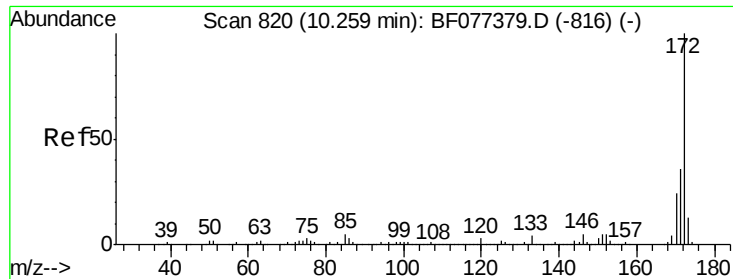
Tgt Ion:196 Resp: 104720  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 75.8 113.8  
 200 30.0 24.2 36.4



#43  
 2,4,5-Trichlorophenol  
 Concen: 37.60 ng  
 RT: 10.16 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion:196 Resp: 113278  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 77.2 115.8  
 97 43.6 27.7 41.5#  
 132 27.5 18.0 27.0#

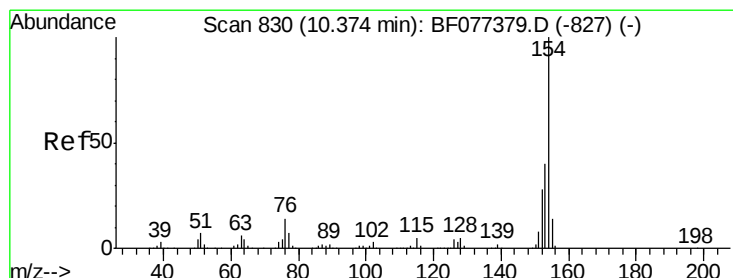
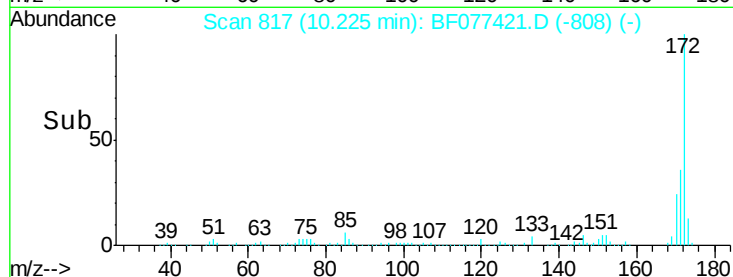
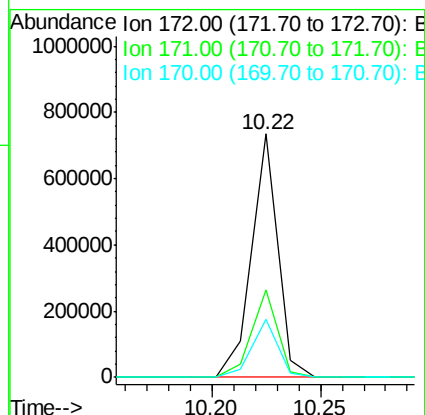
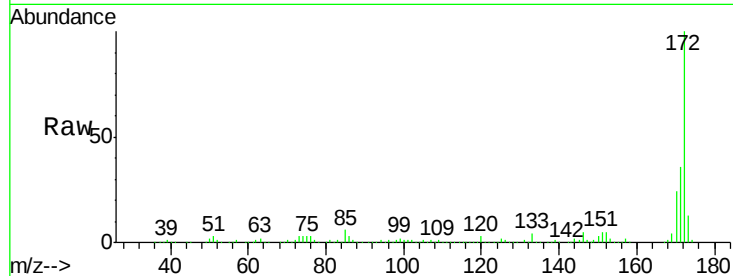




#44  
2-Fluorobiphenyl  
Concen: 64.58 ng  
RT: 10.22 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

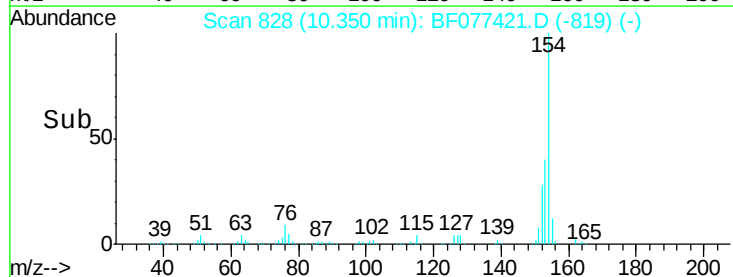
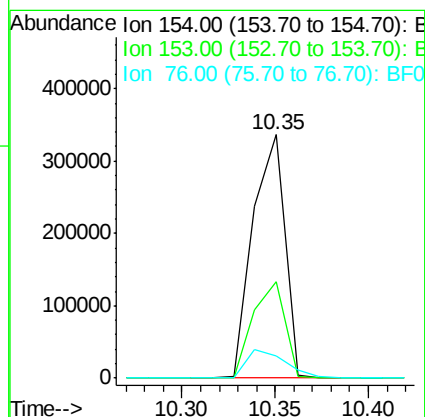
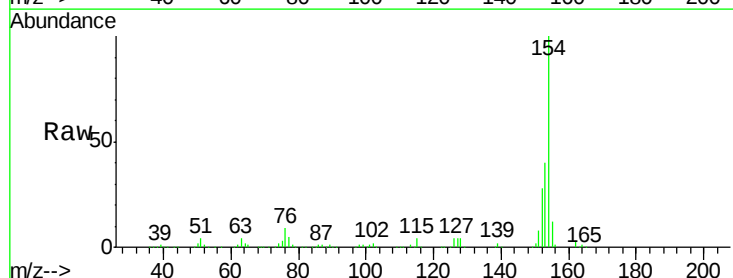
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

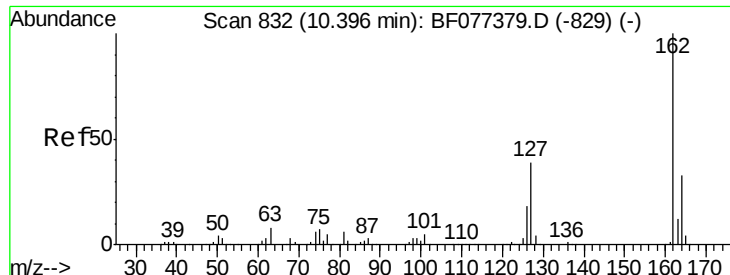
Tgt Ion:172 Resp: 614062  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.9 43.3  
170 23.7 19.4 29.2



#45  
1,1'-Biphenyl  
Concen: 35.43 ng  
RT: 10.35 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:154 Resp: 397967  
Ion Ratio Lower Upper  
154 100  
153 39.7 20.2 60.2  
76 9.0 0.0 29.4

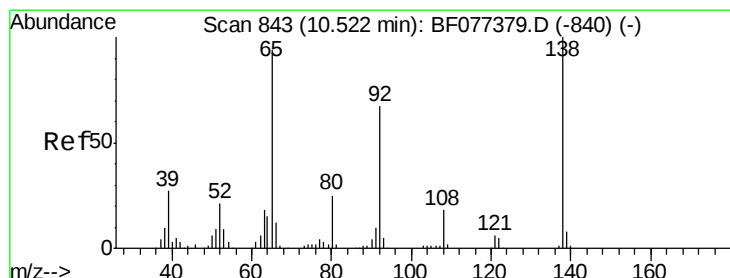
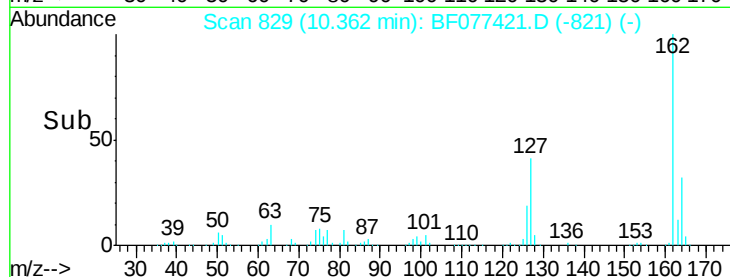
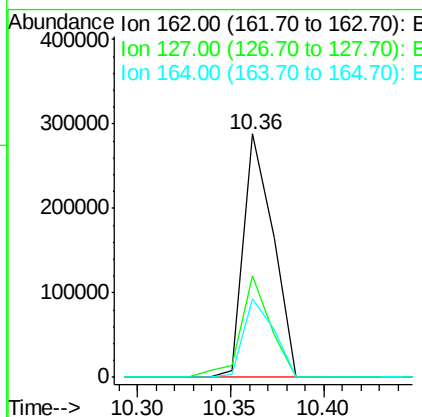
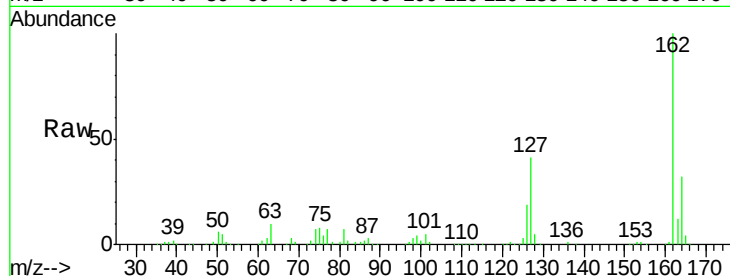




#46  
 2-Chloronaphthalene  
 Concen: 36.09 ng  
 RT: 10.36 min Scan# 829  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

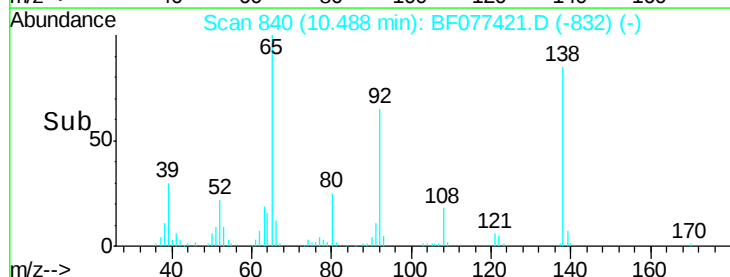
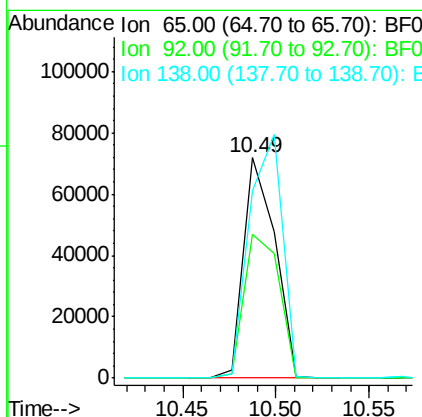
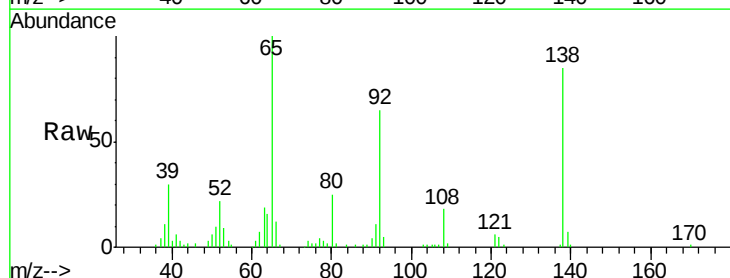
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

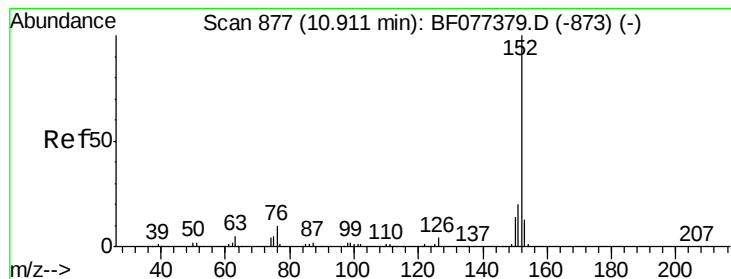
Tgt Ion: 162 Resp: 317990  
 Ion Ratio Lower Upper  
 162 100  
 127 41.5 33.3 49.9  
 164 32.5 26.2 39.4



#47  
 2-Nitroaniline  
 Concen: 38.72 ng  
 RT: 10.49 min Scan# 840  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion: 65 Resp: 83965  
 Ion Ratio Lower Upper  
 65 100  
 92 65.2 52.4 78.6  
 138 85.1 73.4 110.0





#48

Acenaphthylene

Concen: 36.98 ng

RT: 10.88 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

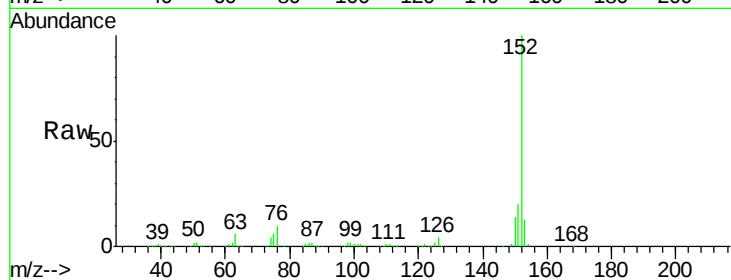
Tgt Ion:152 Resp: 515748

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

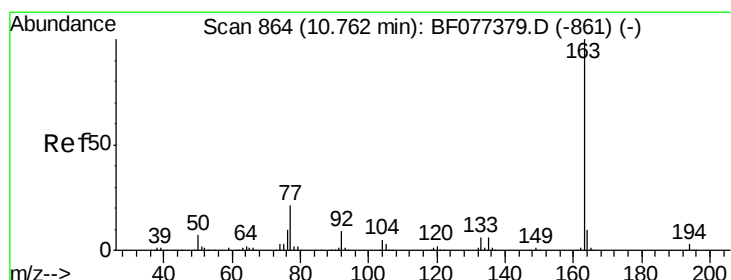
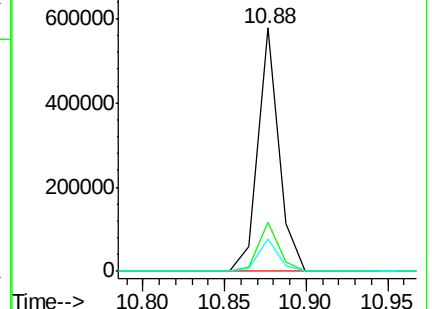
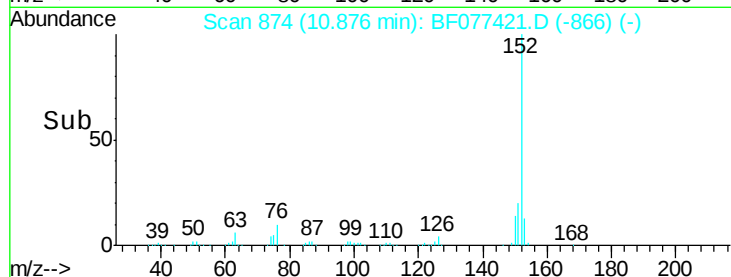
153 13.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 34.34 ng

RT: 10.73 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

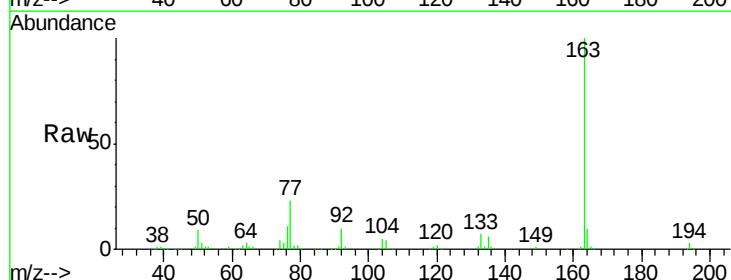
Tgt Ion:163 Resp: 357928

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

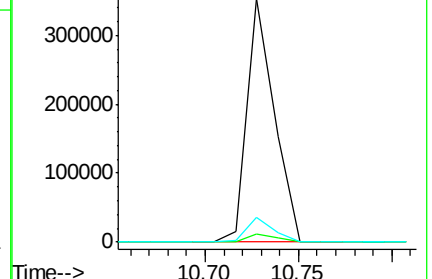
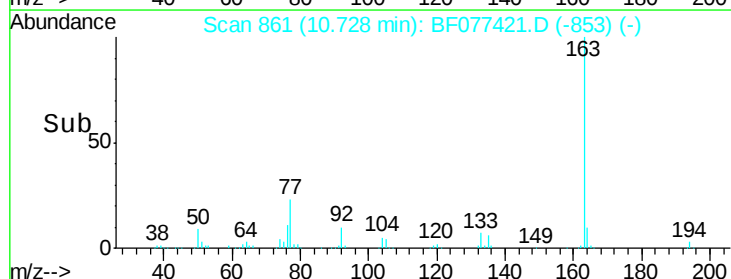
164 10.4 8.6 13.0

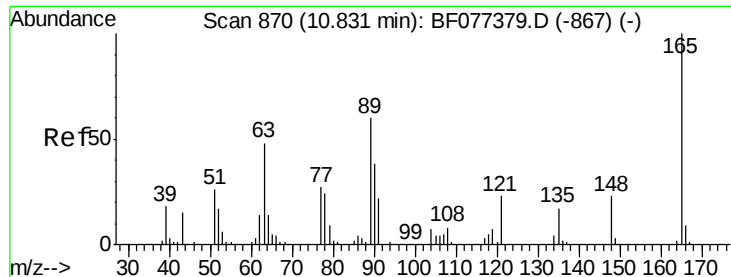


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

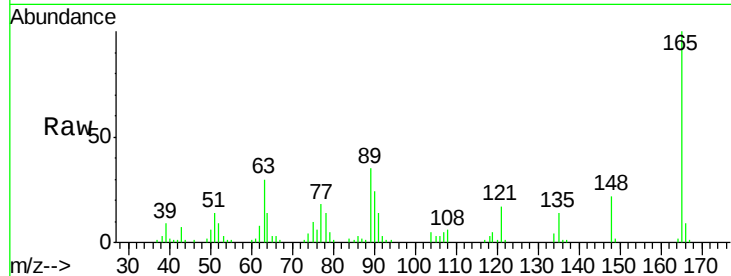




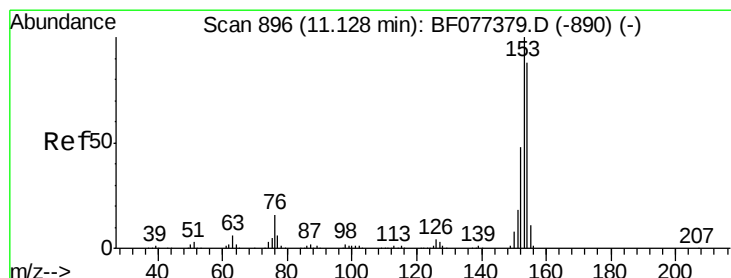
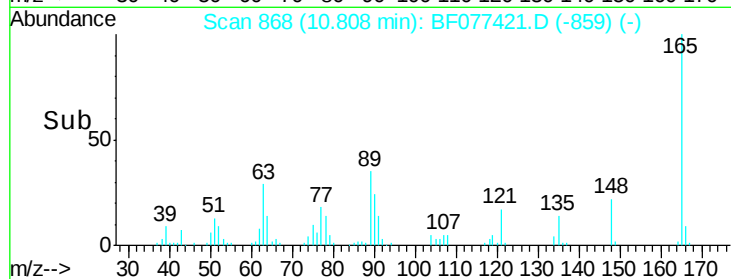
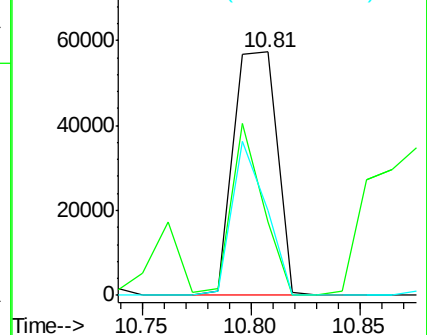
#50  
 2,6-Dinitrotoluene  
 Concen: 38.02 ng  
 RT: 10.81 min Scan# 868  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

Tgt Ion:165 Resp: 79470  
 Ion Ratio Lower Upper  
 165 100  
 63 30.2 25.2 37.8  
 89 34.8 30.5 45.7

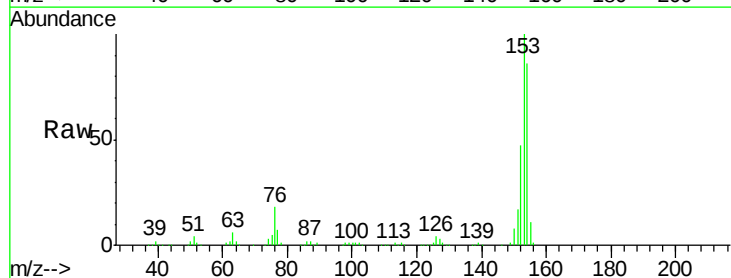


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

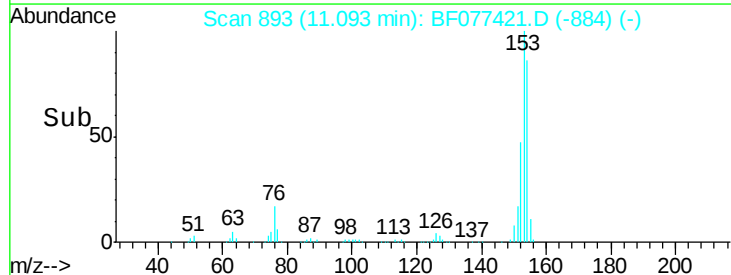
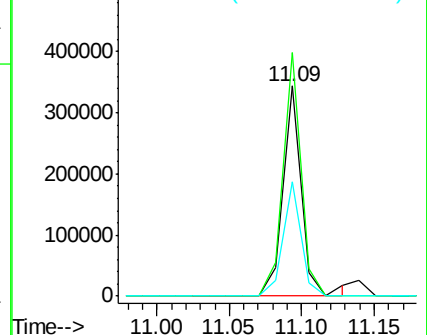


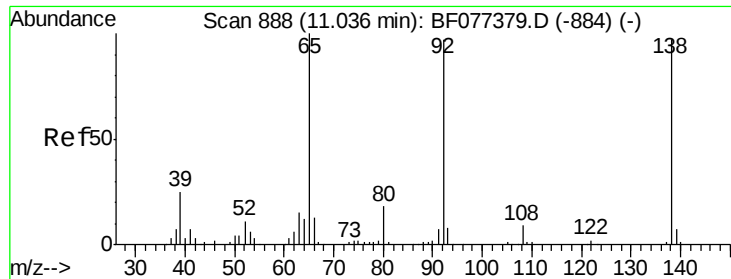
#51  
 Acenaphthene  
 Concen: 37.15 ng  
 RT: 11.09 min Scan# 893  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion:154 Resp: 309182  
 Ion Ratio Lower Upper  
 154 100  
 153 115.8 90.5 135.7  
 152 54.2 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

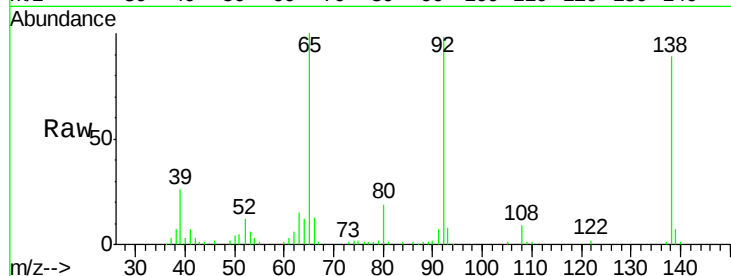




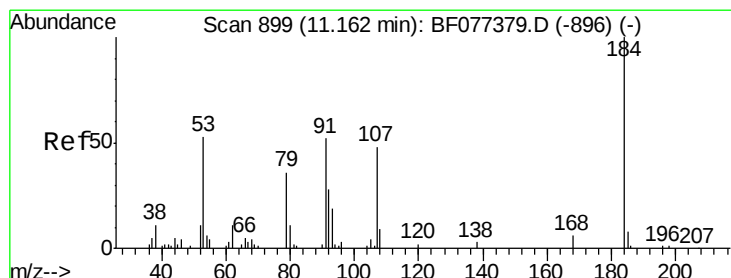
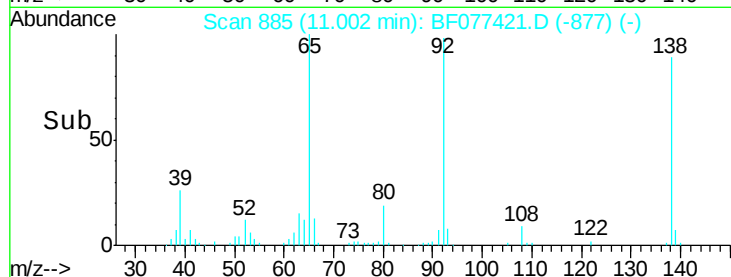
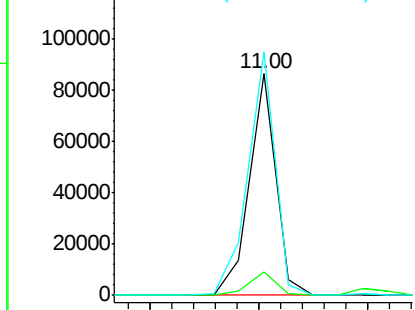
#52  
3-Nitroaniline  
Concen: 30.21 ng  
RT: 11.00 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

Tgt Ion:138 Resp: 72799  
Ion Ratio Lower Upper  
138 100  
108 10.3 7.8 11.8  
92 110.0 90.6 135.8

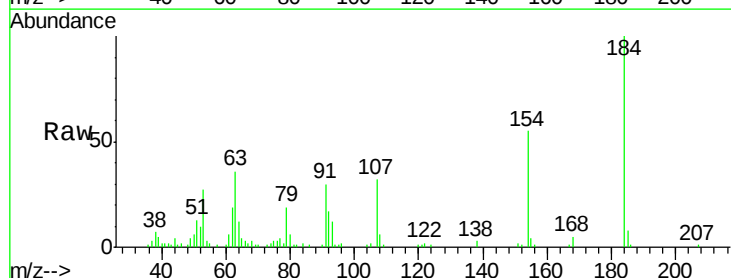


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): E

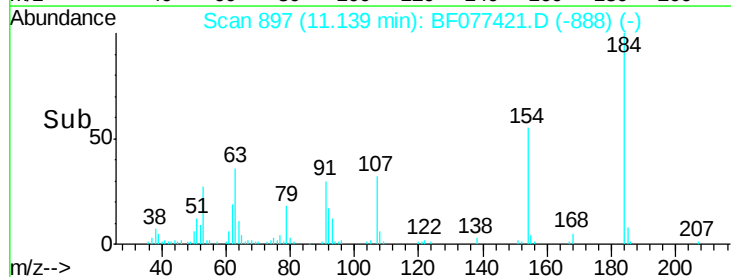
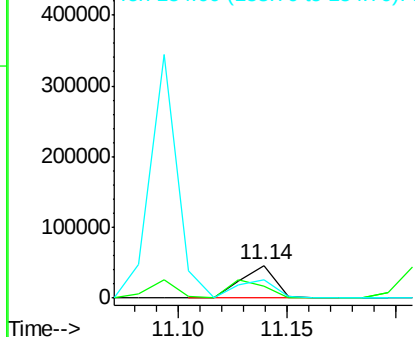


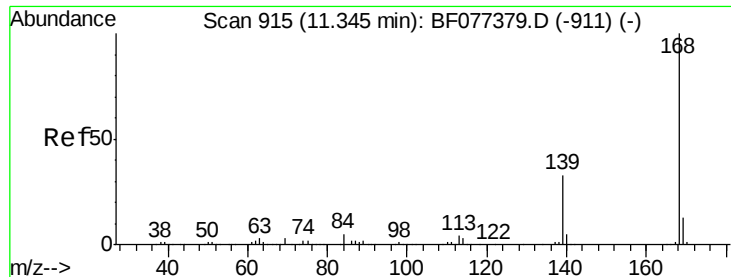
#53  
2,4-Dinitrophenol  
Concen: 78.80 ng  
RT: 11.14 min Scan# 897  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:184 Resp: 50113  
Ion Ratio Lower Upper  
184 100  
63 35.7 29.5 44.3  
154 54.7 43.2 64.8



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

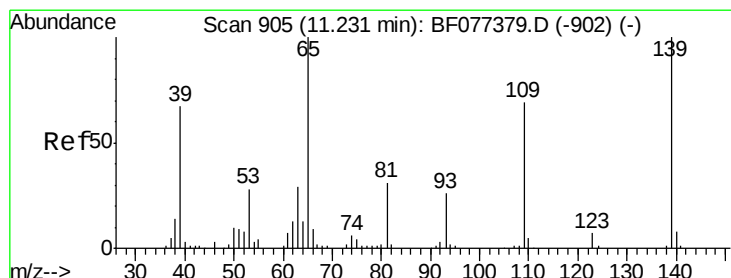
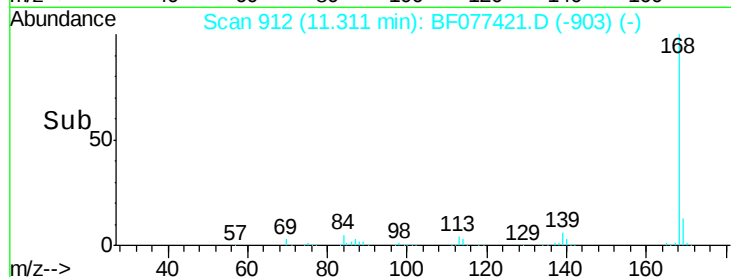
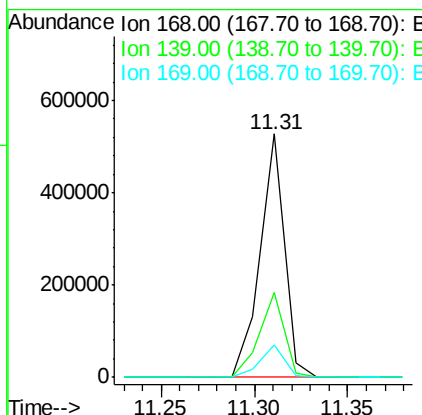
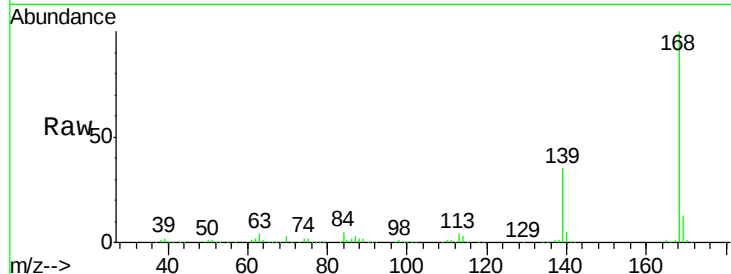




#54  
Dibenzofuran  
Concen: 36.85 ng  
RT: 11.31 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

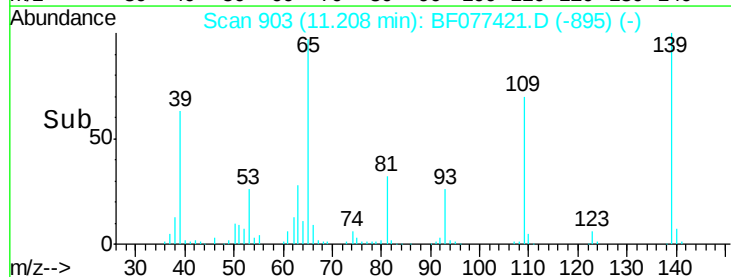
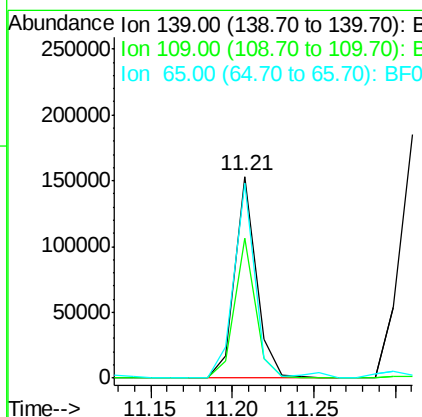
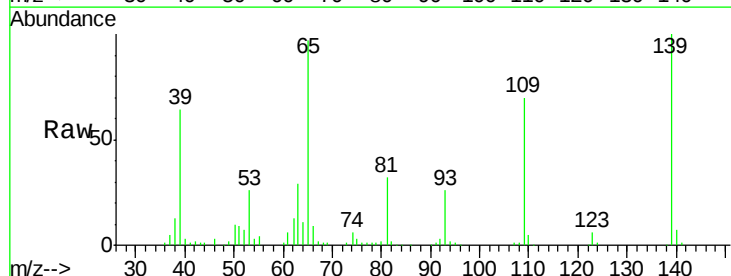
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

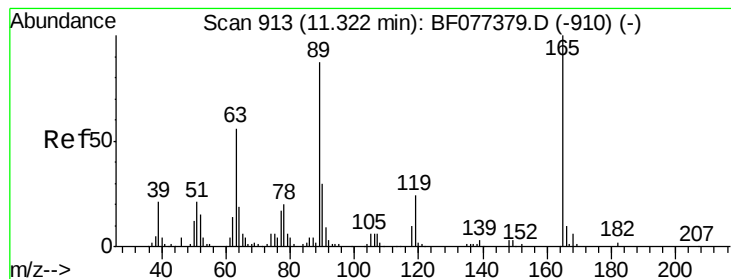
Tgt Ion:168 Resp: 473569  
Ion Ratio Lower Upper  
168 100  
139 35.1 29.3 43.9  
169 13.3 10.9 16.3



#55  
4-Nitrophenol  
Concen: 71.81 ng  
RT: 11.21 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:139 Resp: 139189  
Ion Ratio Lower Upper  
139 100  
109 69.7 36.2 76.2  
65 97.0 40.3 80.3#





#56

2,4-Dinitrotoluene

Concen: 39.41 ng

RT: 11.30 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

Tgt Ion:165 Resp: 111296

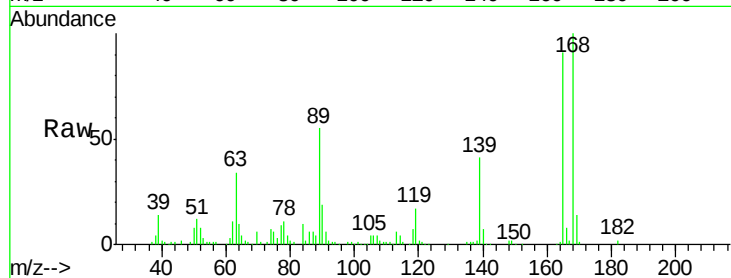
Ion Ratio Lower Upper

165 100

63 37.1 29.8 44.8

89 60.9 48.5 72.7

182 2.6 1.9 2.9

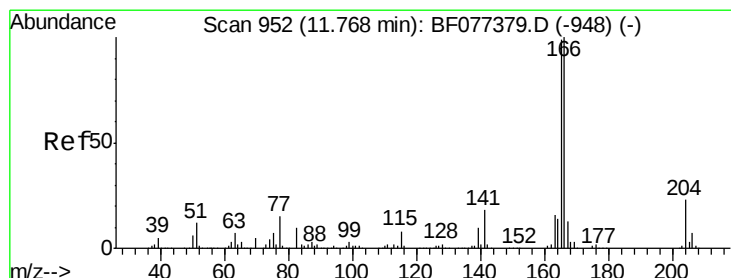
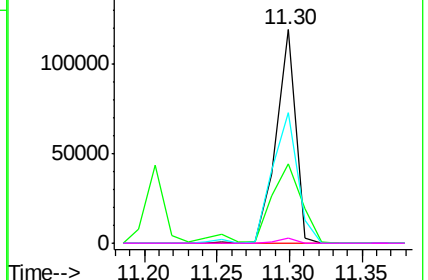
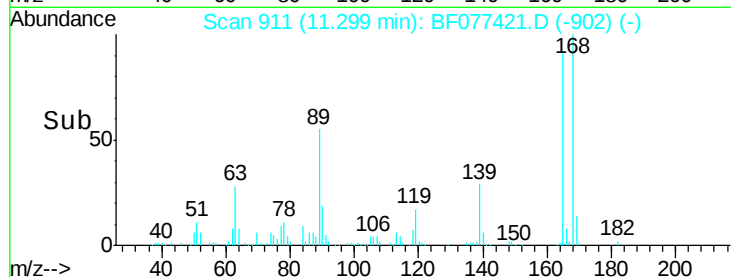


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 36.00 ng

RT: 11.73 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

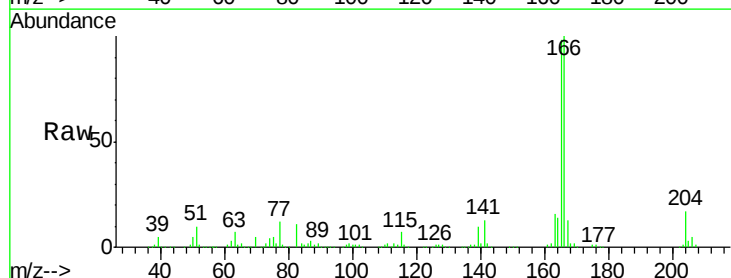
Tgt Ion:166 Resp: 369787

Ion Ratio Lower Upper

166 100

165 98.4 77.6 116.4

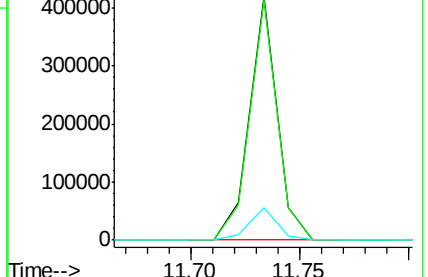
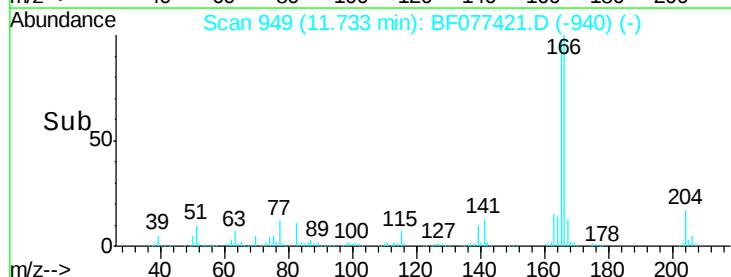
167 13.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

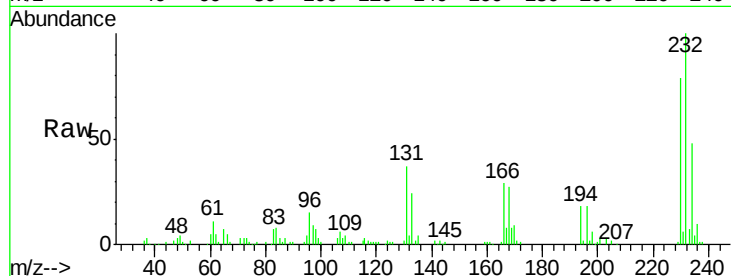




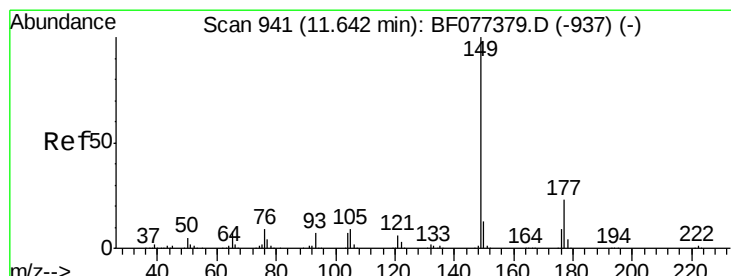
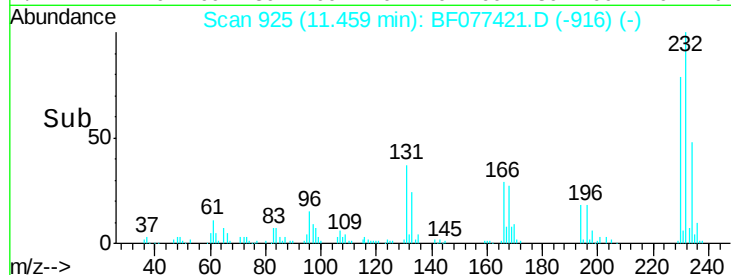
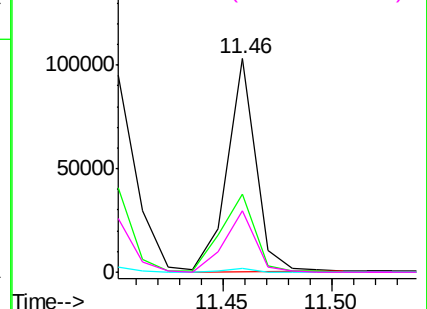
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.33 ng  
 RT: 11.46 min Scan# 925  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 232   | Resp: | 92835 |
| Ion      | Ratio | Lower | Upper |
| 232      | 100   |       |       |
| 131      | 44.0  | 34.2  | 51.2  |
| 130      | 1.9   | 1.8   | 2.6   |
| 166      | 31.4  | 24.3  | 36.5  |

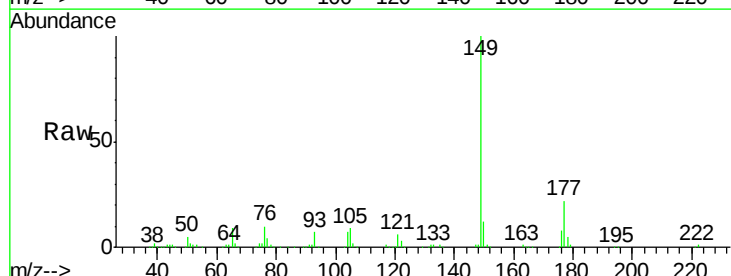


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

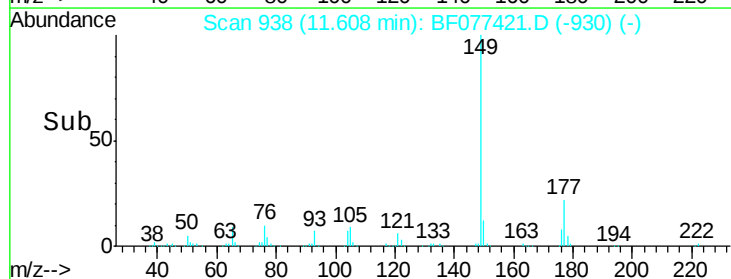
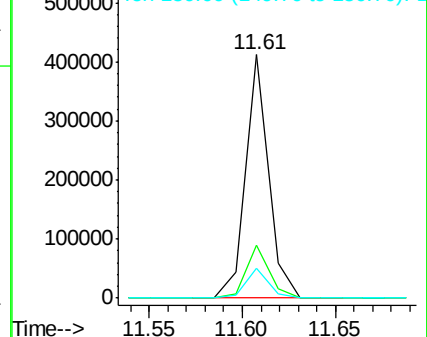


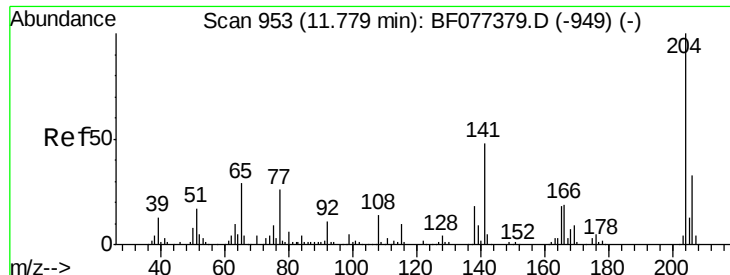
#59  
 Diethylphthalate  
 Concen: 34.42 ng  
 RT: 11.61 min Scan# 938  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 353663 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 21.9  | 17.2  | 25.8   |
| 150      | 12.3  | 10.5  | 15.7   |



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

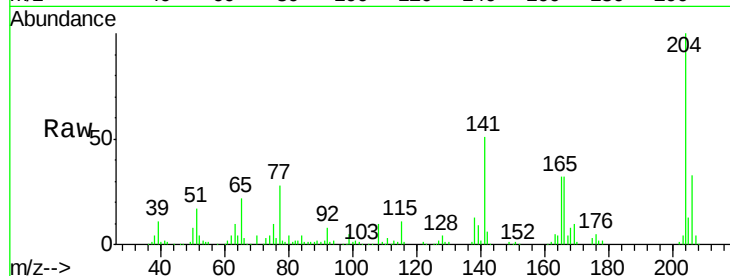




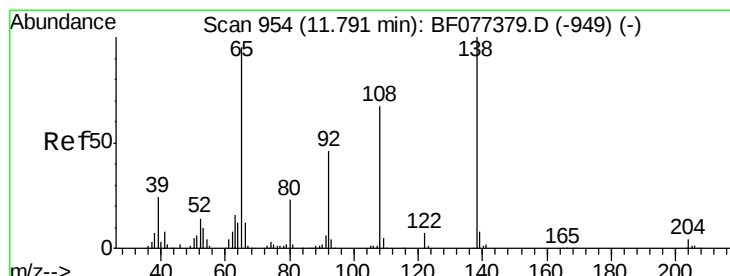
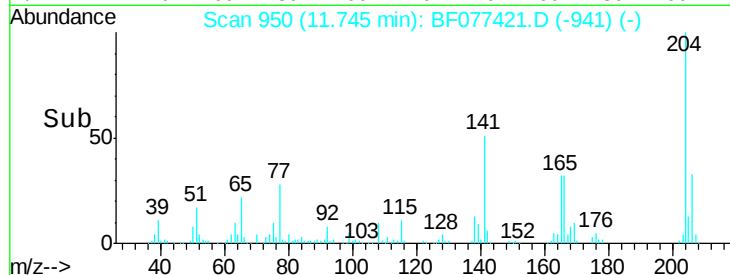
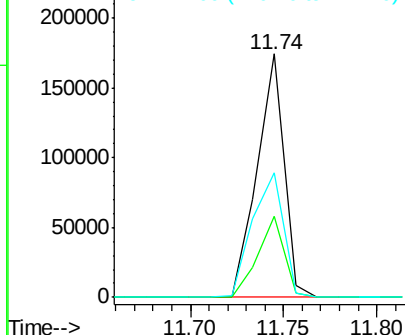
#60  
 4-Chlorophenyl-phenylether  
 Concen: 35.24 ng  
 RT: 11.74 min Scan# 950  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB81861BS

Tgt Ion: 204 Resp: 174425  
 Ion Ratio Lower Upper  
 204 100  
 206 33.2 25.9 38.9  
 141 51.0 43.6 65.4

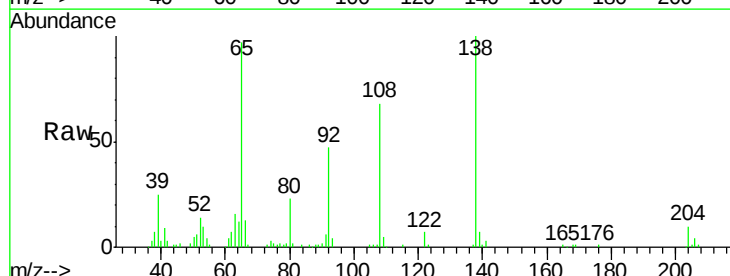


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

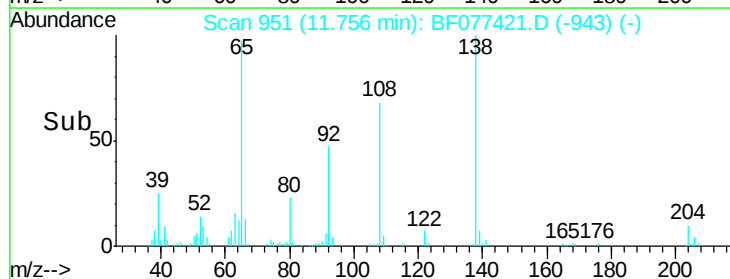
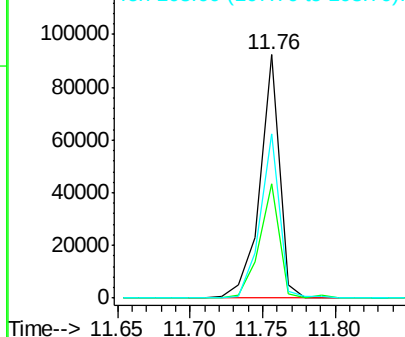


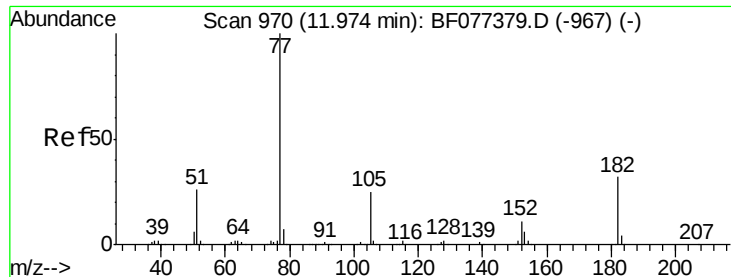
#61  
 4-Nitroaniline  
 Concen: 37.63 ng  
 RT: 11.76 min Scan# 951  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion: 138 Resp: 86915  
 Ion Ratio Lower Upper  
 138 100  
 92 47.1 32.8 72.8  
 108 67.7 52.1 92.1



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: 35.21 ng

RT: 11.94 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

Tgt Ion: 77 Resp: 343228

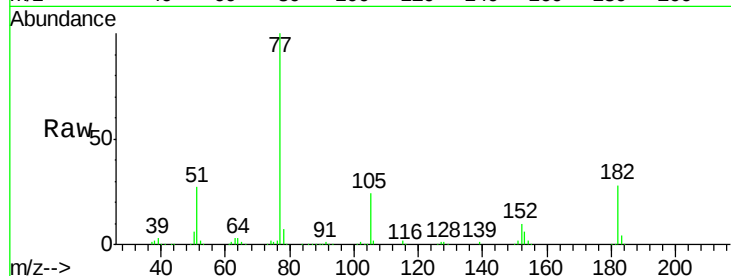
Ion Ratio Lower Upper

77 100

182 28.4 4.9 44.9

105 24.4 3.3 43.3

51 27.2 8.9 48.9

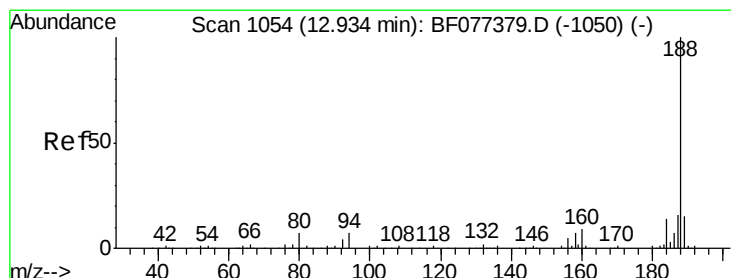
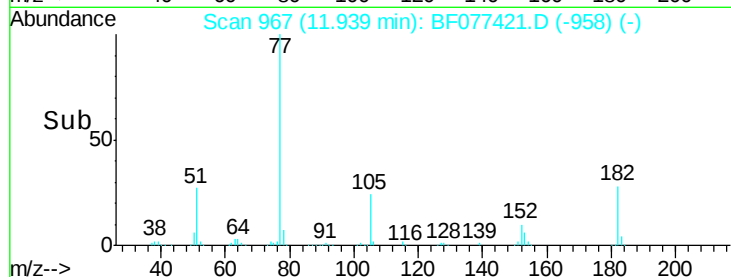
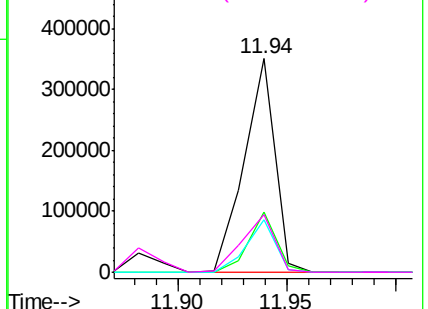


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

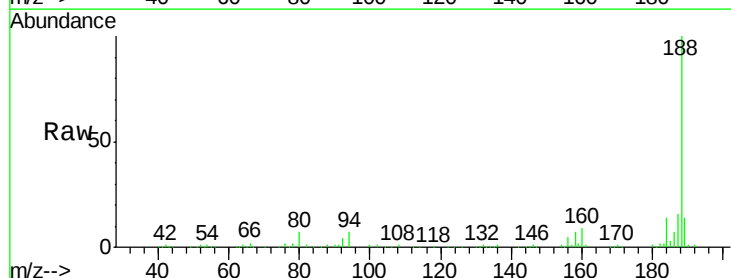
Tgt Ion: 188 Resp: 298218

Ion Ratio Lower Upper

188 100

94 7.4 7.4 11.2#

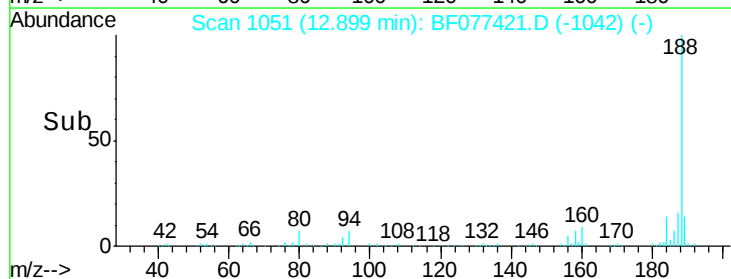
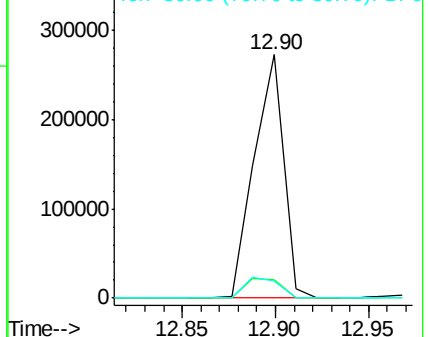
80 7.1 8.0 12.0#

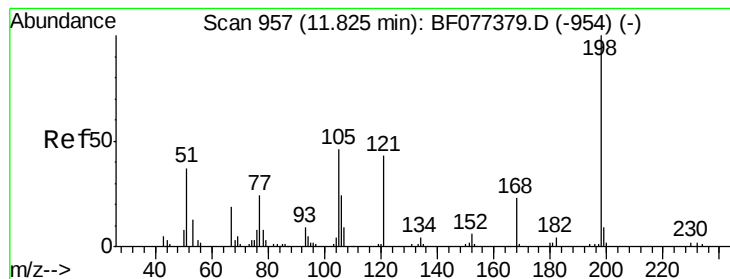


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 29.93 ng

RT: 11.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

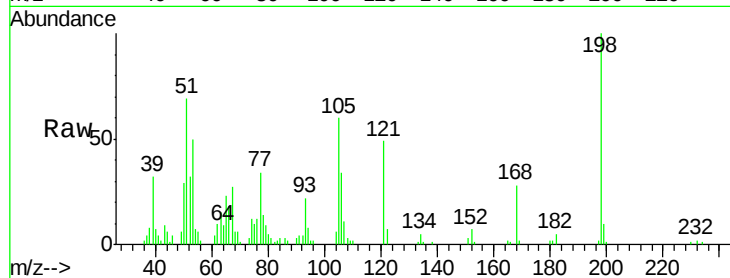
Tgt Ion:198 Resp: 33808

Ion Ratio Lower Upper

198 100

51 69.1 2.7 42.7#

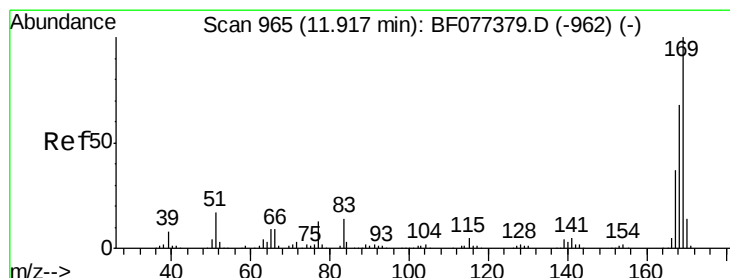
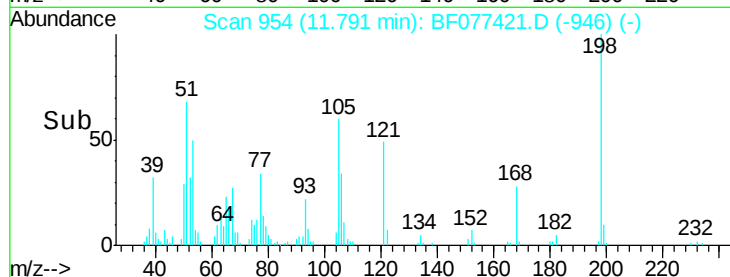
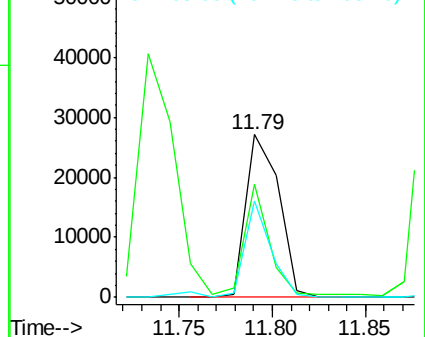
105 59.5 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 32.24 ng

RT: 11.89 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

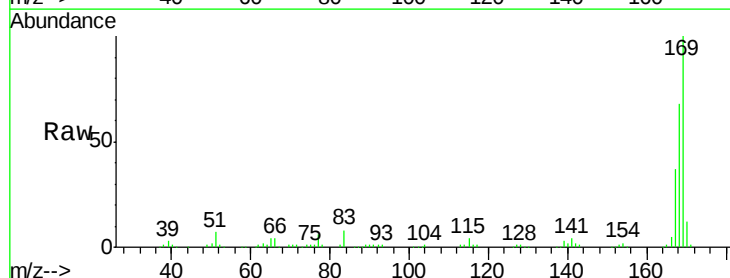
Tgt Ion:169 Resp: 318992

Ion Ratio Lower Upper

169 100

168 68.0 53.0 79.6

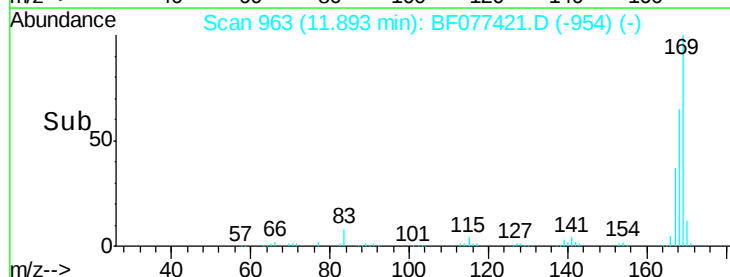
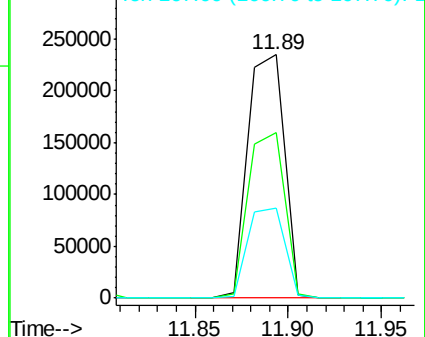
167 36.7 29.5 44.3

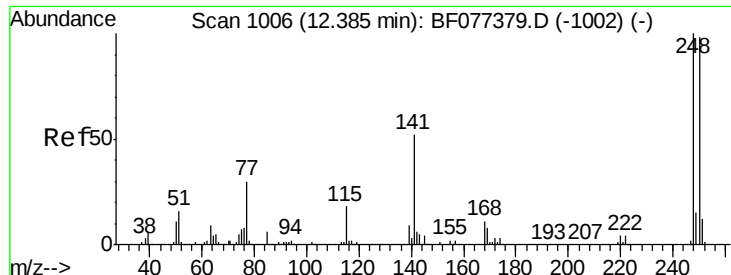


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

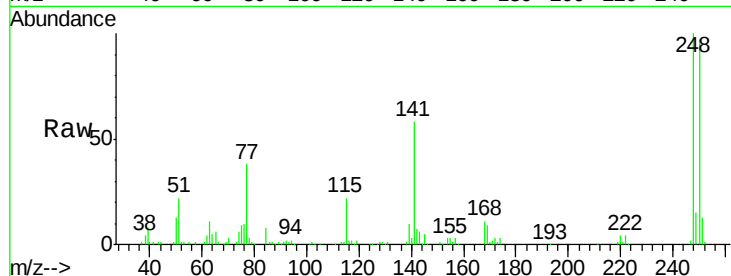




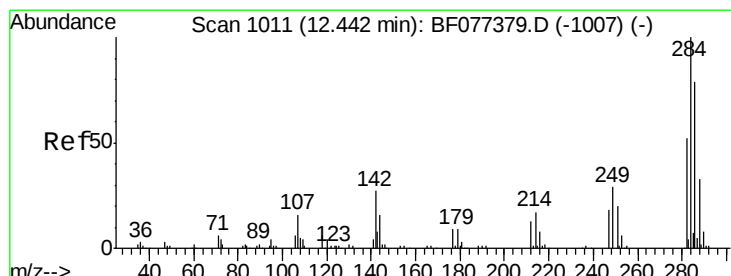
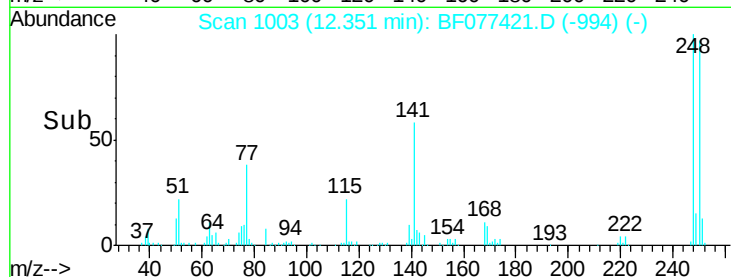
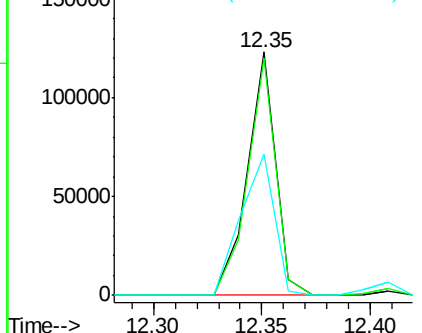
#66  
 4-Bromophenyl-phenylether  
 Concen: 31.74 ng  
 RT: 12.35 min Scan# 1003  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

Tgt Ion:248 Resp: 110855  
 Ion Ratio Lower Upper  
 248 100  
 250 97.4 78.0 117.0  
 141 58.0 54.1 81.1

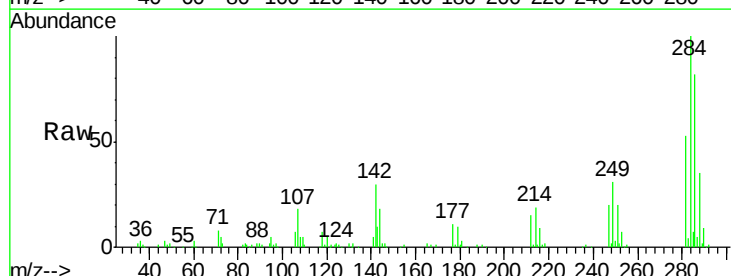


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

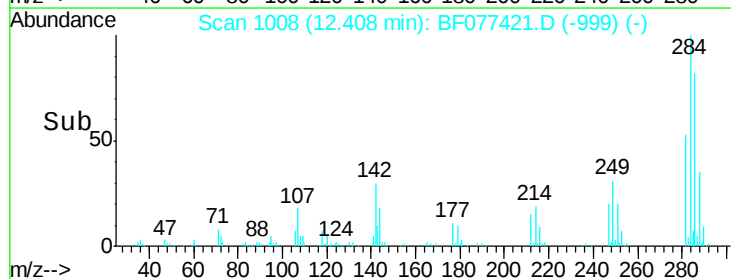
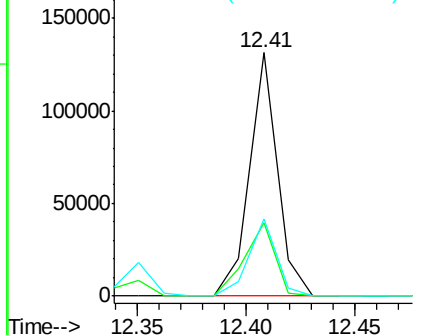


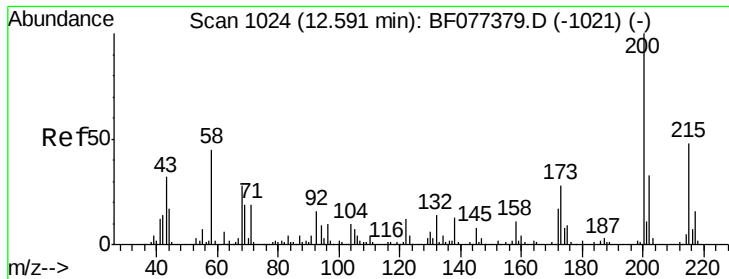
#67  
 Hexachlorobenzene  
 Concen: 31.38 ng  
 RT: 12.41 min Scan# 1008  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion:284 Resp: 117607  
 Ion Ratio Lower Upper  
 284 100  
 142 30.2 31.6 47.4#  
 249 31.5 27.0 40.4



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

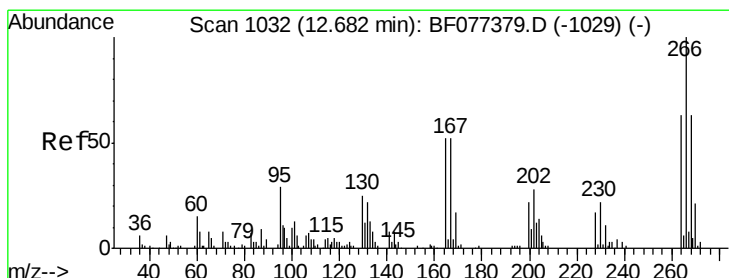
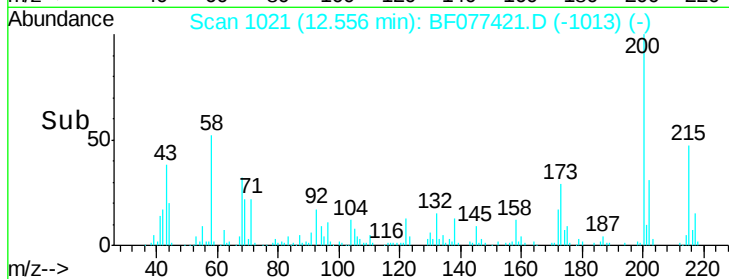
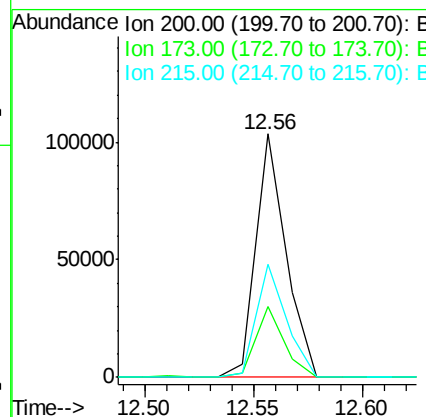
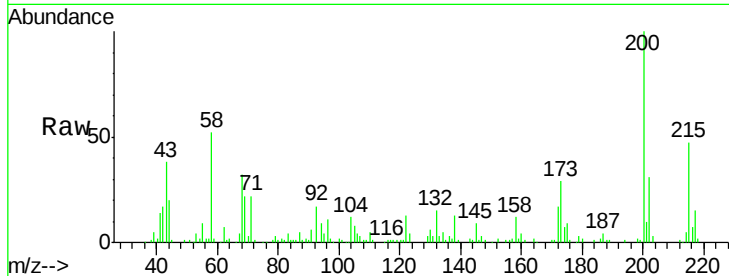




#68  
 Atrazine  
 Concen: 31.04 ng  
 RT: 12.56 min Scan# 1021  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

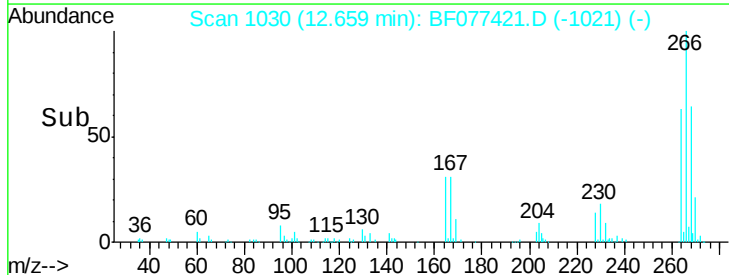
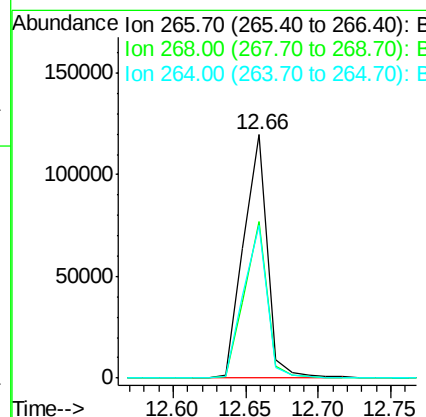
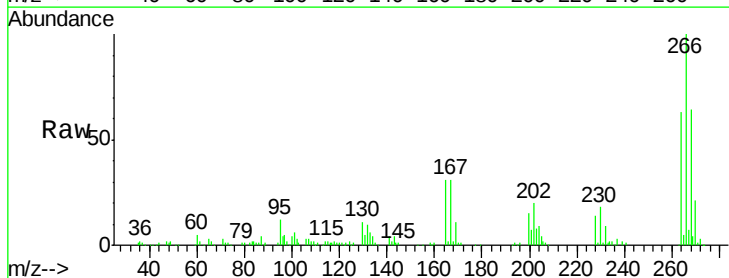
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

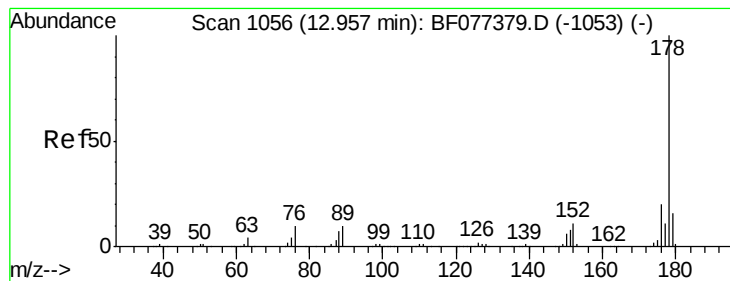
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.1  | 9.6   | 49.6  |
| 215     | 46.5  | 24.4  | 64.4  |



#69  
 Pentachlorophenol  
 Concen: 69.33 ng  
 RT: 12.66 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.4  | 51.2  | 76.8  |
| 264     | 62.8  | 50.7  | 76.1  |





#70

Phenanthrene

Concen: 32.05 ng

RT: 12.92 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

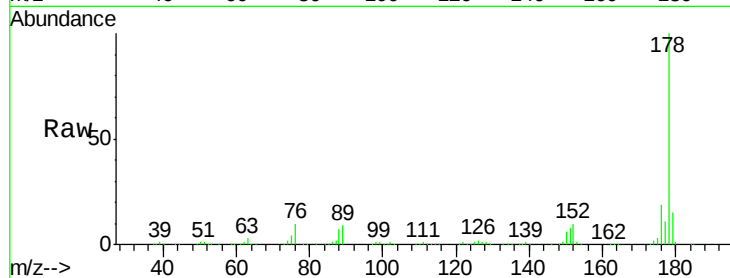
Tgt Ion:178 Resp: 554048

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

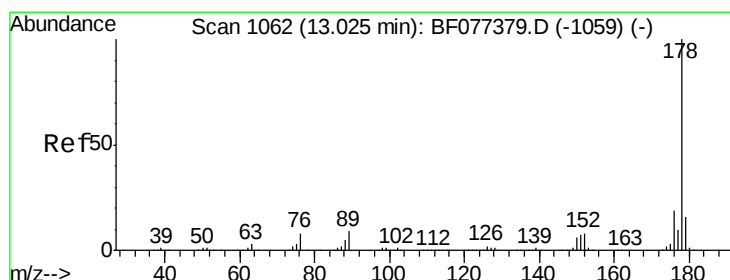
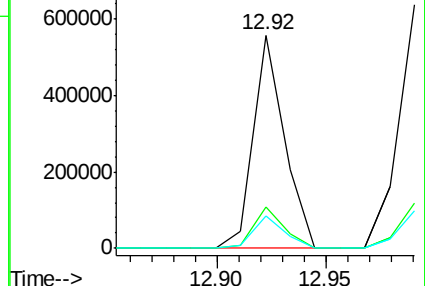
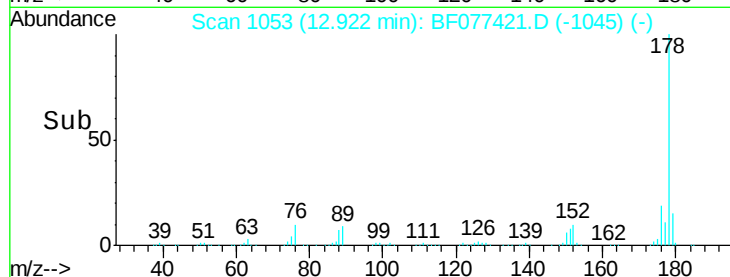
179 15.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 33.85 ng

RT: 12.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

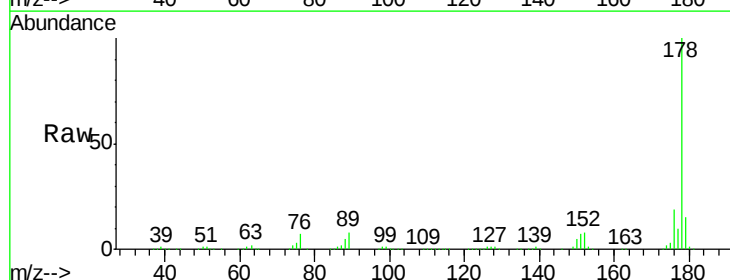
Tgt Ion:178 Resp: 580658

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

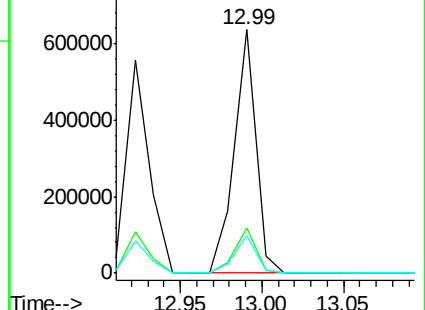
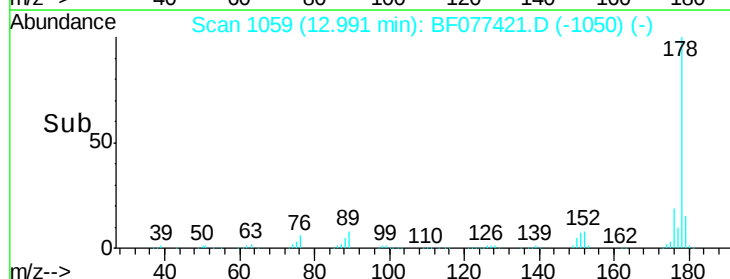
179 15.5 12.9 19.3

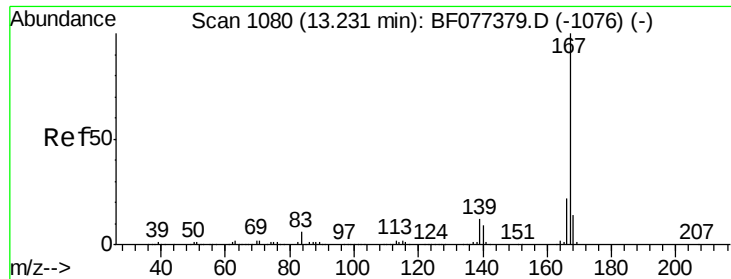


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 32.74 ng

RT: 13.20 min Scan# 1077

Delta R.T. -0.00 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

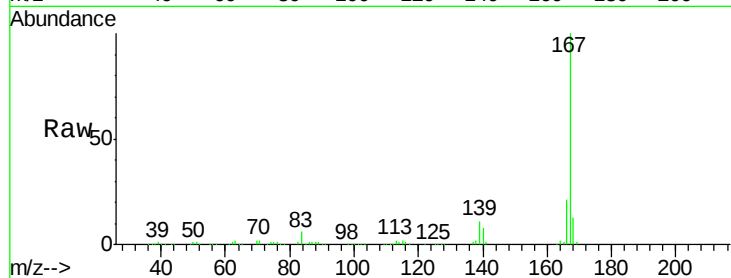
Tgt Ion:167 Resp: 534009

Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

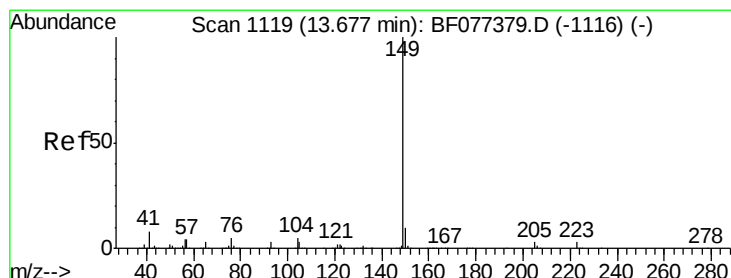
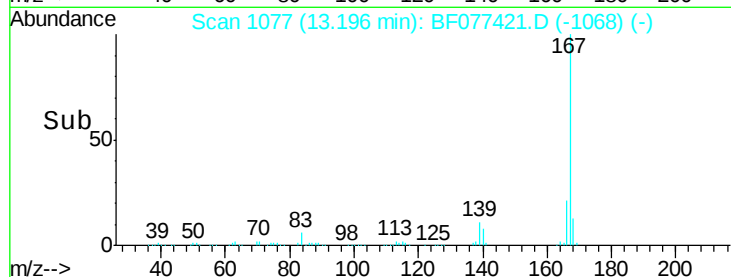
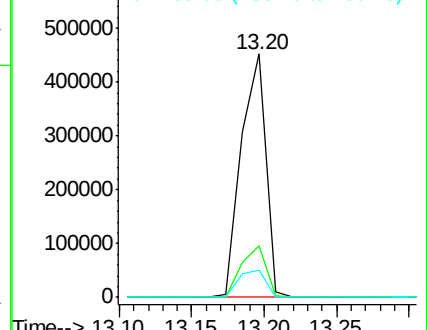
139 11.3 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 30.36 ng

RT: 13.64 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

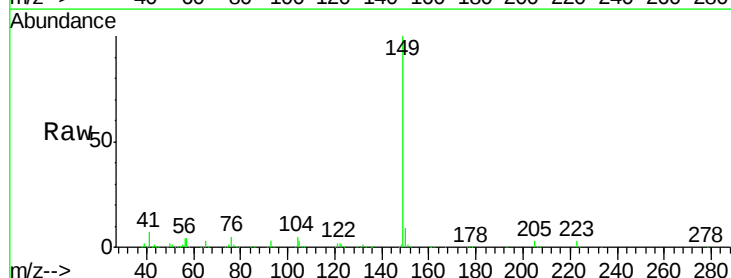
Tgt Ion:149 Resp: 581411

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.8

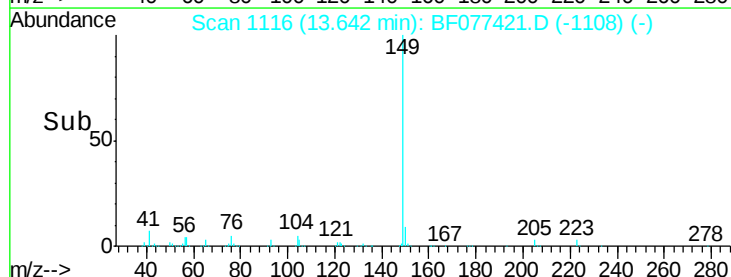
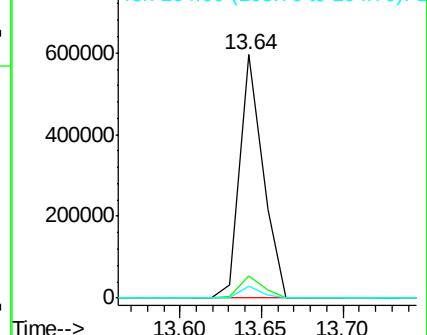
104 4.6 4.1 6.1

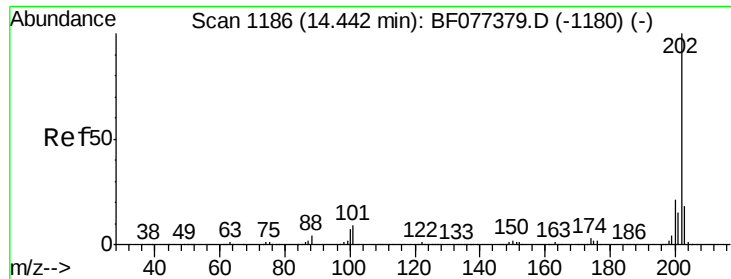


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

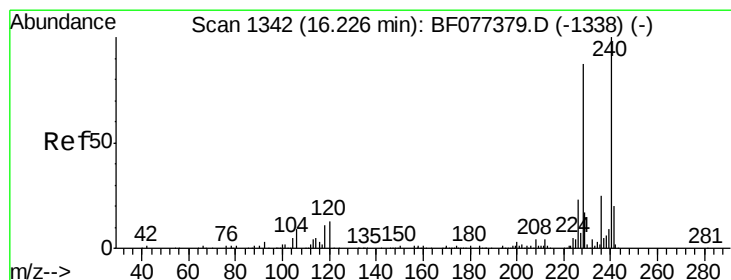
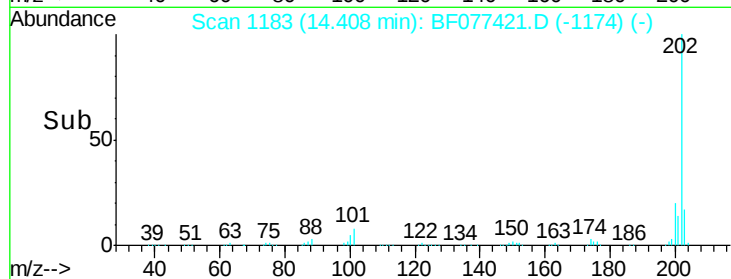
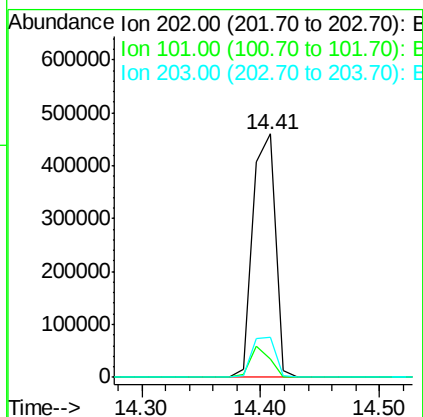
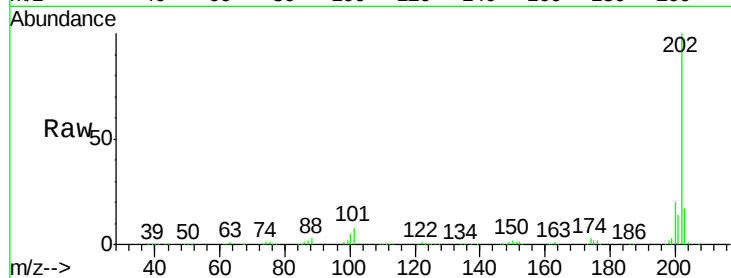




#74  
 Fluoranthene  
 Concen: 32.72 ng  
 RT: 14.41 min Scan# 1183  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

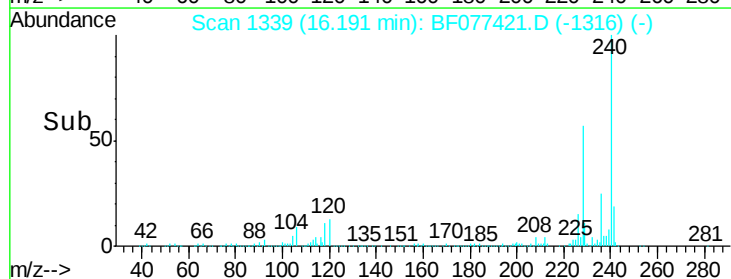
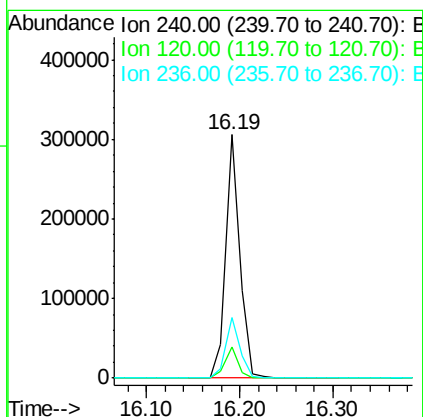
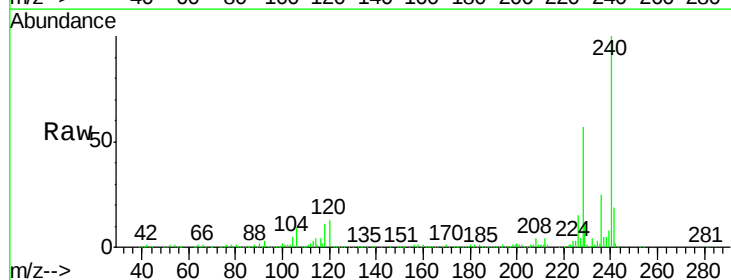
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

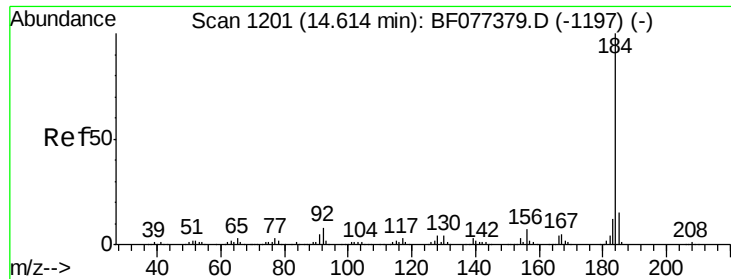
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.6   | 0.0   | 30.8  |
| 203     | 16.6  | 0.0   | 37.7  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 16.19 min Scan# 1339  
 Delta R.T. -0.03 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 8.8   | 13.2  |
| 236     | 25.1  | 20.7  | 31.1  |

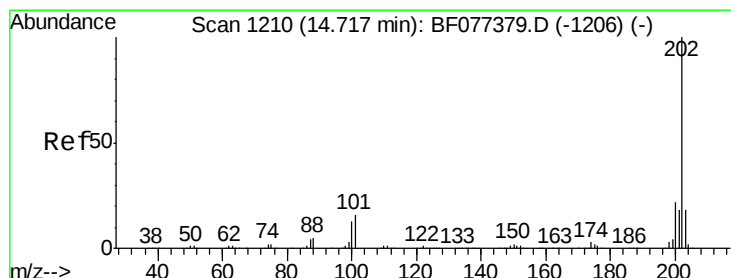
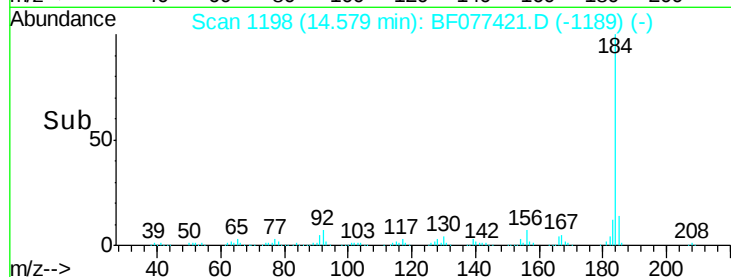
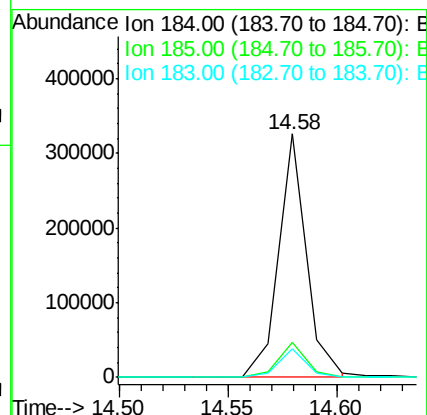
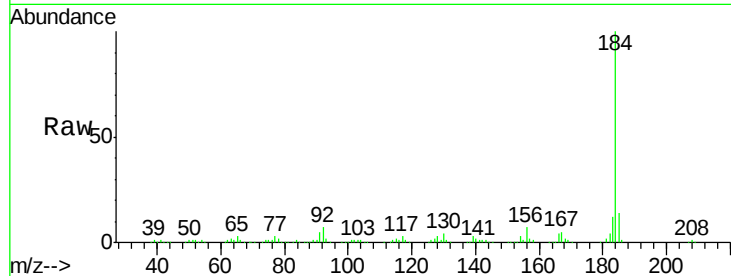




#76  
Benzidine  
Concen: 27.12 ng  
RT: 14.58 min Scan# 1198  
Delta R.T. -0.00 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

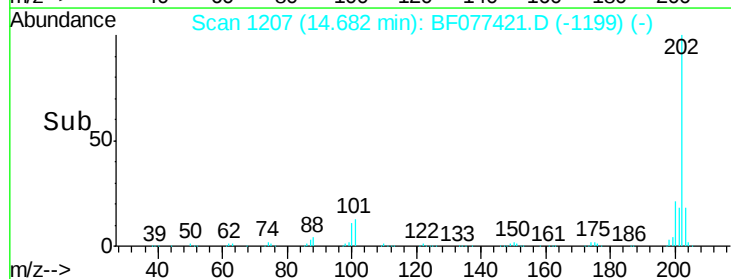
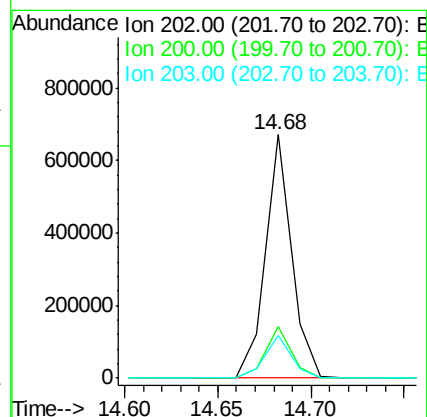
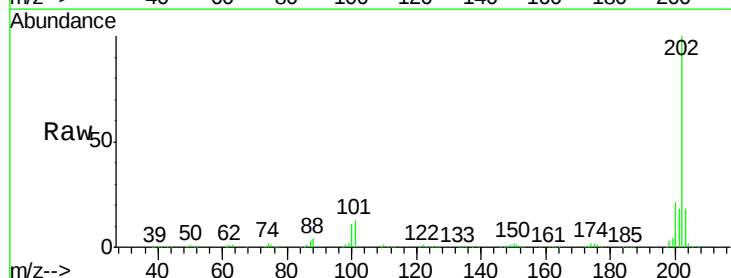
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

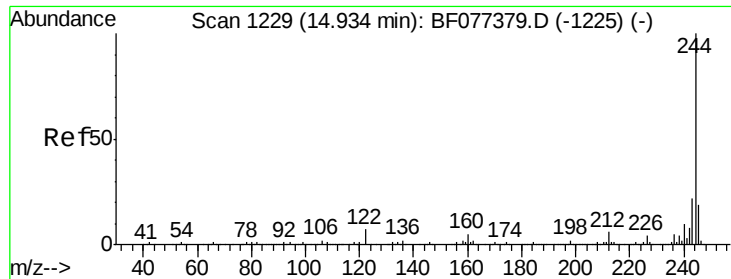
Tgt Ion:184 Resp: 293954  
Ion Ratio Lower Upper  
184 100  
185 14.5 12.6 18.8  
183 11.5 9.3 13.9



#77  
Pyrene  
Concen: 33.04 ng  
RT: 14.68 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion:202 Resp: 648454  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.1 25.7  
203 17.8 14.2 21.2

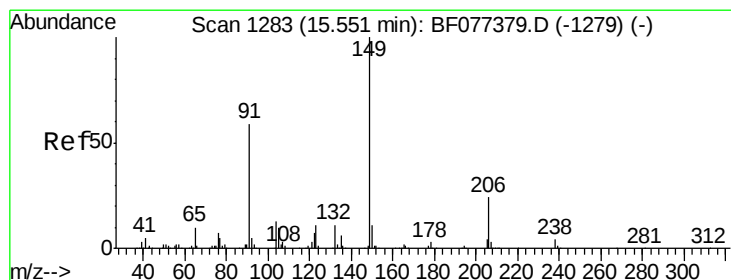
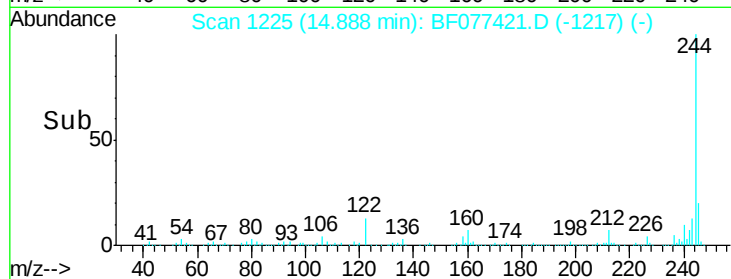
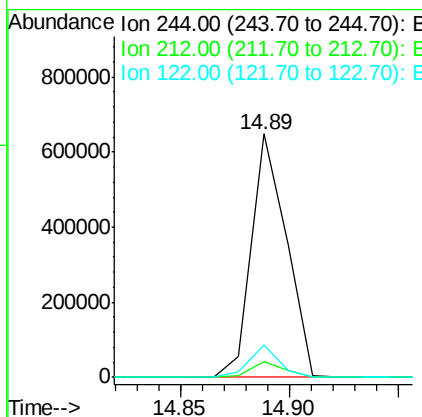
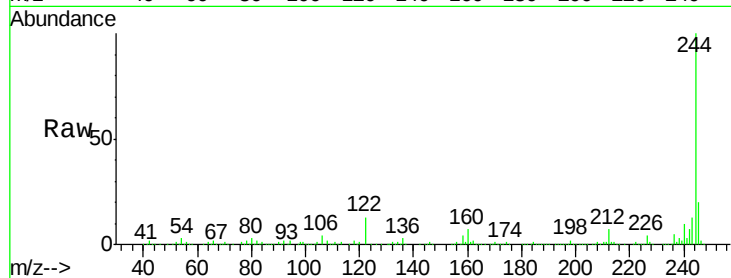




#78  
 Terphenyl-d14  
 Concen: 53.24 ng  
 RT: 14.89 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

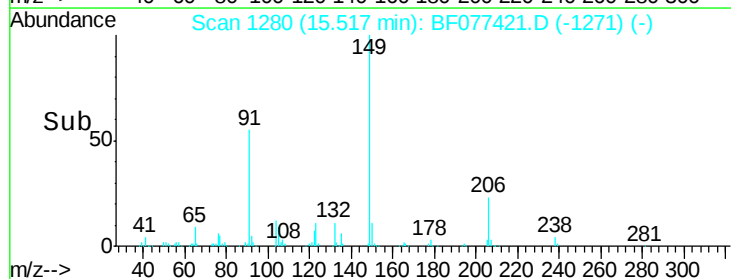
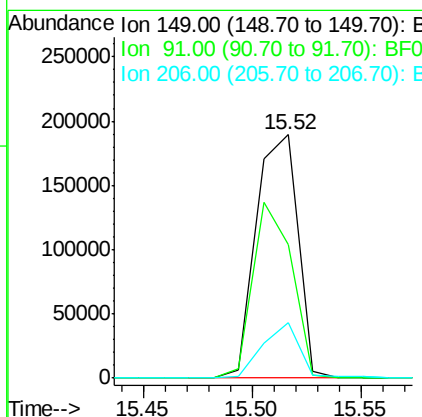
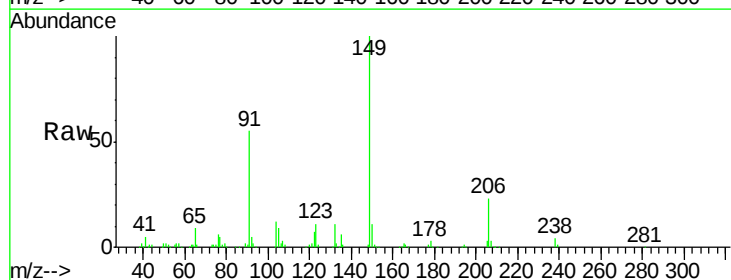
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

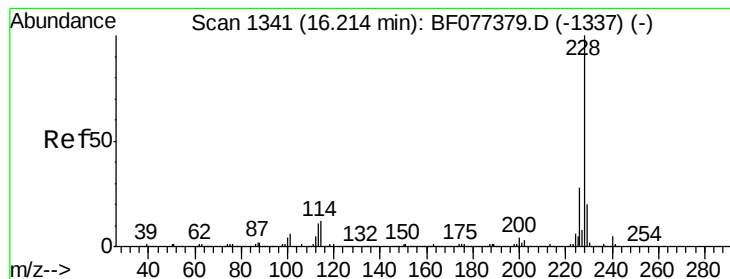
Tgt Ion: 244 Resp: 730624  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.2 7.8  
 122 13.2 7.8 11.8#



#79  
 Butylbenzylphthalate  
 Concen: 31.68 ng  
 RT: 15.52 min Scan# 1280  
 Delta R.T. -0.00 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Tgt Ion: 149 Resp: 255757  
 Ion Ratio Lower Upper  
 149 100  
 91 54.6 51.2 76.8  
 206 23.0 17.8 26.8





#80

Benzo(a)anthracene

Concen: 32.43 ng

RT: 16.18 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

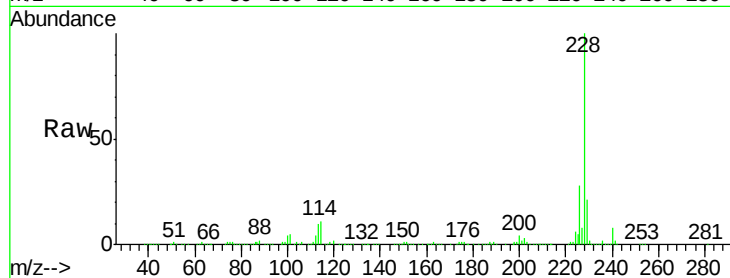
Tgt Ion:228 Resp: 609835

Ion Ratio Lower Upper

228 100

226 27.8 22.0 33.0

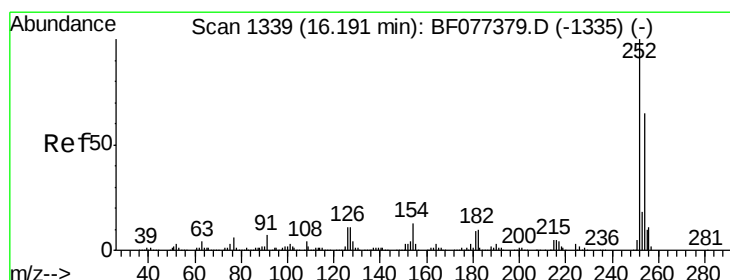
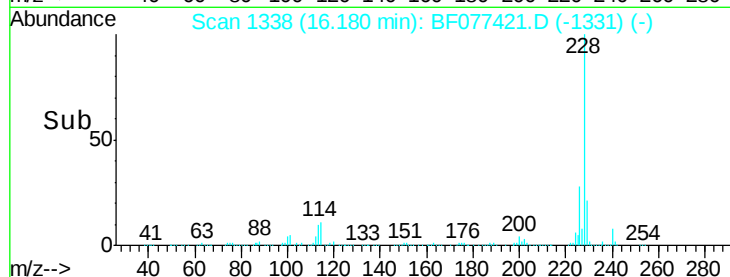
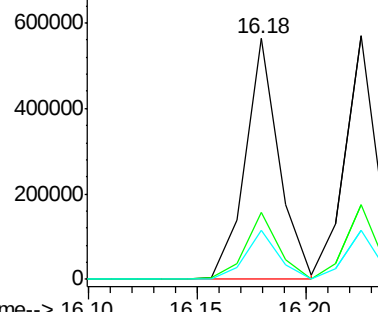
229 20.5 15.8 23.8



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: 20.59 ng

RT: 16.16 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

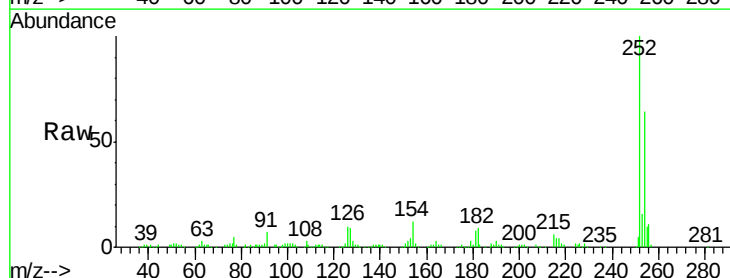
Tgt Ion:252 Resp: 141835

Ion Ratio Lower Upper

252 100

254 63.7 52.9 79.3

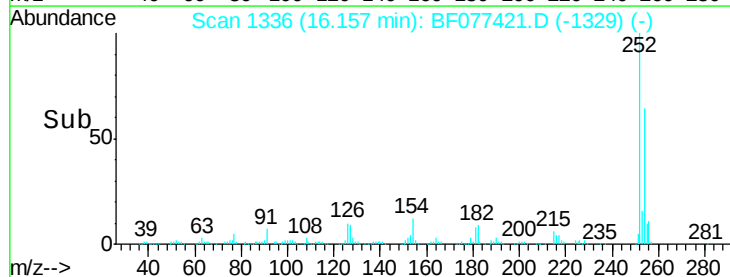
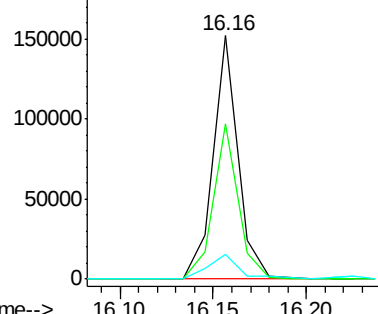
126 10.0 7.3 10.9

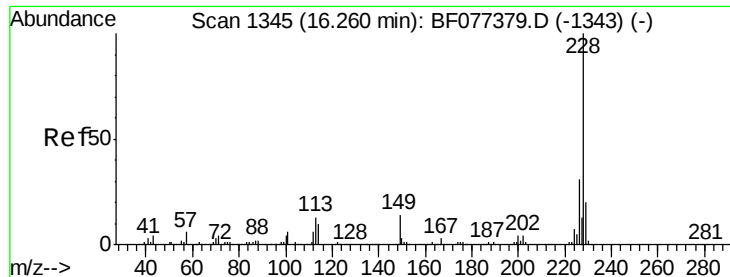


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 32.39 ng

RT: 16.23 min Scan# 1342

Delta R.T. -0.03 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

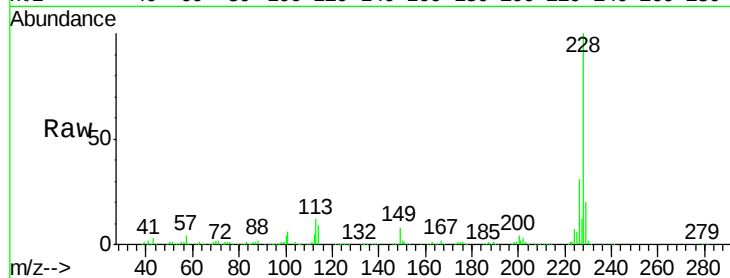
Tgt Ion:228 Resp: 571883

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

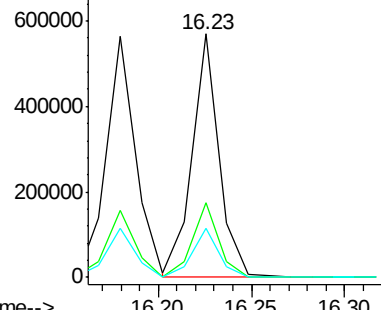
229 20.3 16.4 24.6



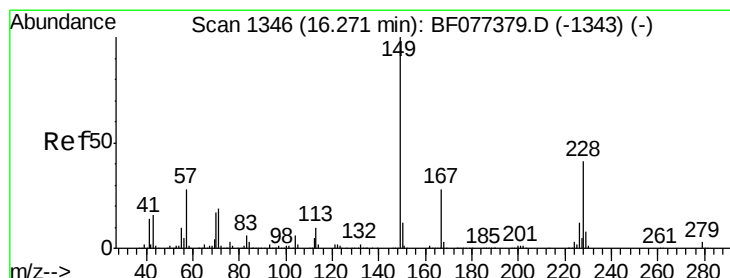
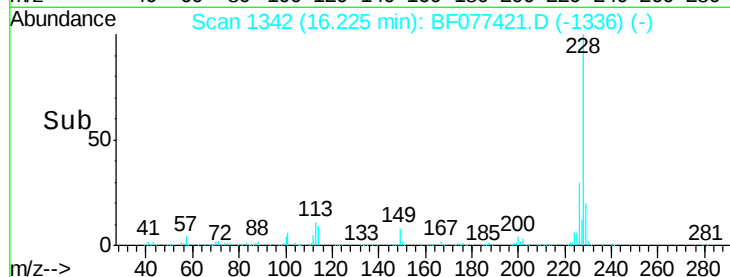
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 27.08 ng

RT: 16.24 min Scan# 1343

Delta R.T. -0.03 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

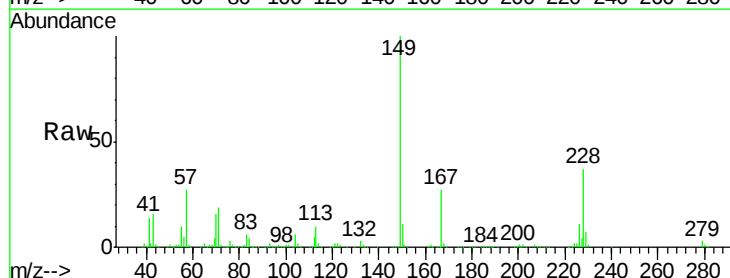
Tgt Ion:149 Resp: 350612

Ion Ratio Lower Upper

149 100

167 26.9 22.8 34.2

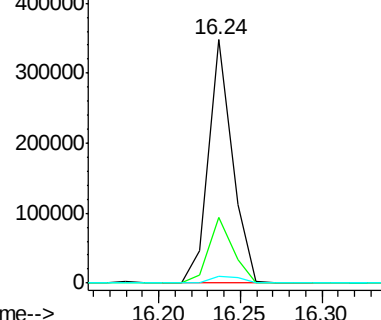
279 3.0 3.8 5.6#



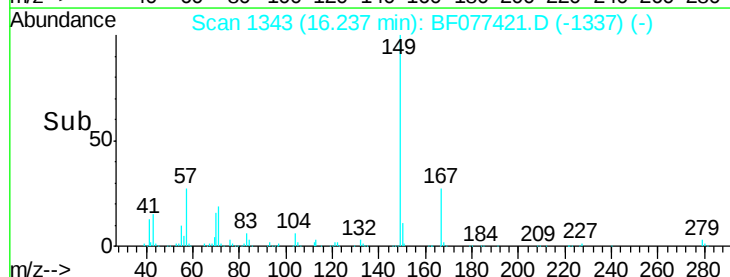
Abundance Ion 149.00 (148.70 to 149.70): E

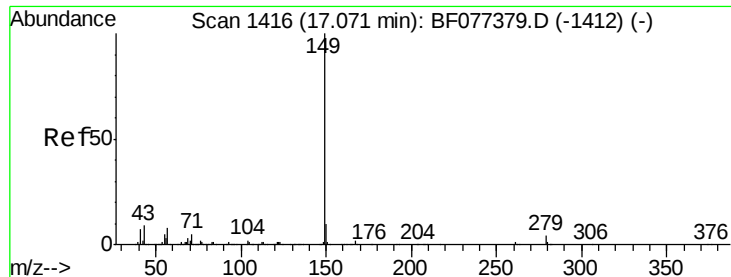
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#84

Di-n-octyl phthalate

Concen: 28.47 ng

RT: 17.05 min Scan# 1414

Delta R.T. -0.06 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

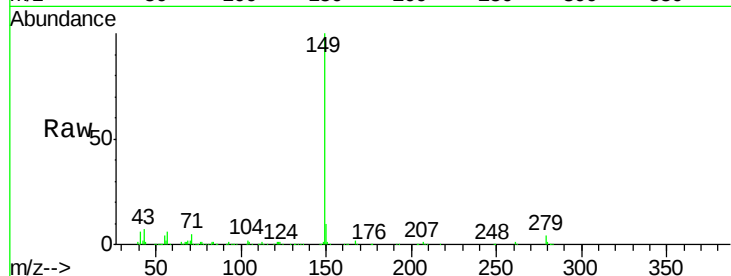
Tgt Ion:149 Resp: 615487

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

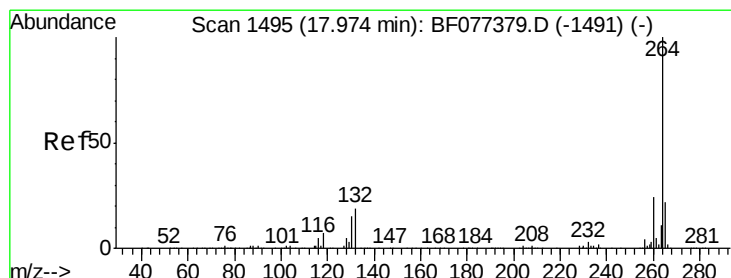
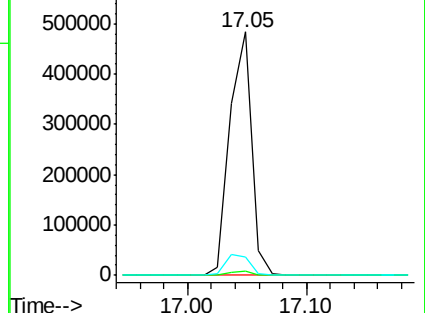
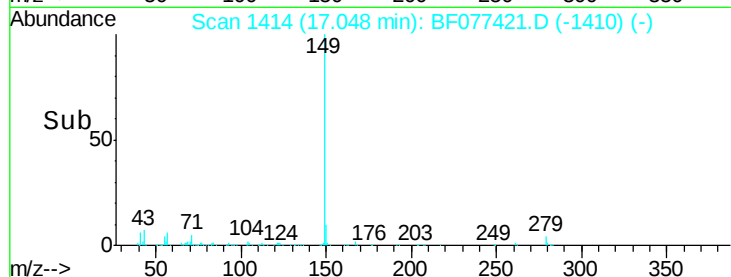
43 9.4 8.1 12.1



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

Perylene-d12

Concen: 20.00 ng

RT: 17.95 min Scan# 1493

Delta R.T. -0.10 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

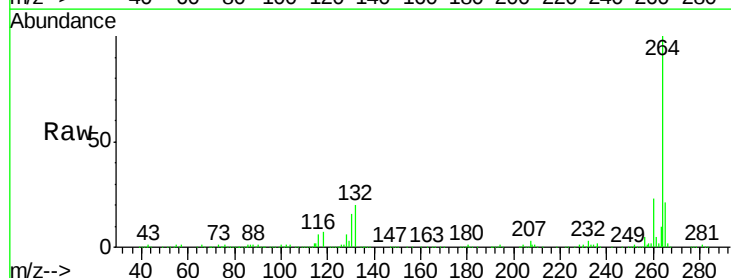
Tgt Ion:264 Resp: 316660

Ion Ratio Lower Upper

264 100

260 23.0 19.3 28.9

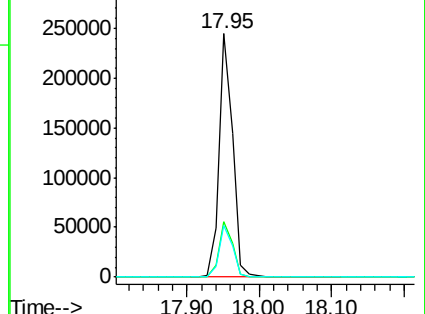
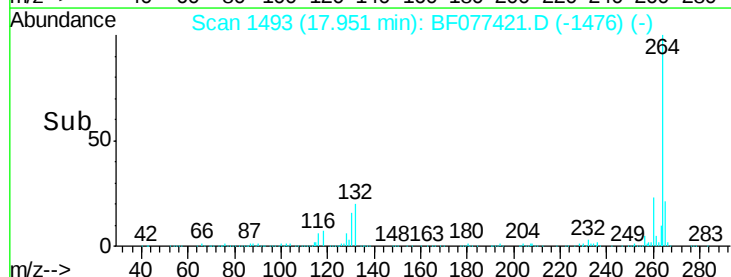
265 21.4 16.8 25.2

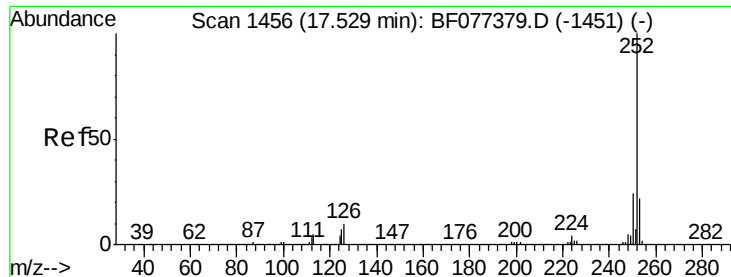


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

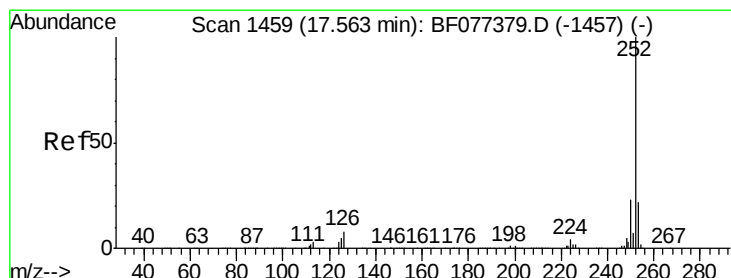
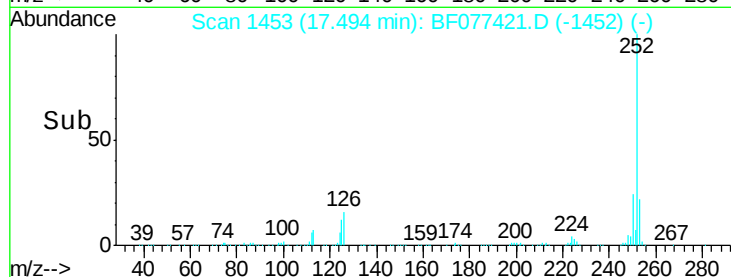
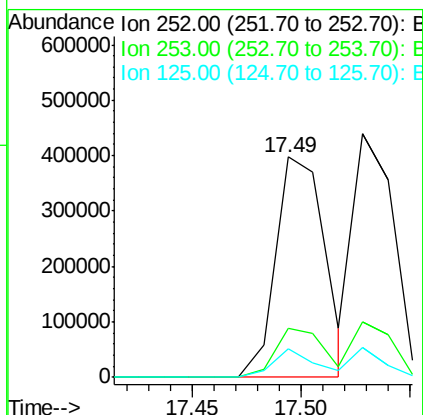
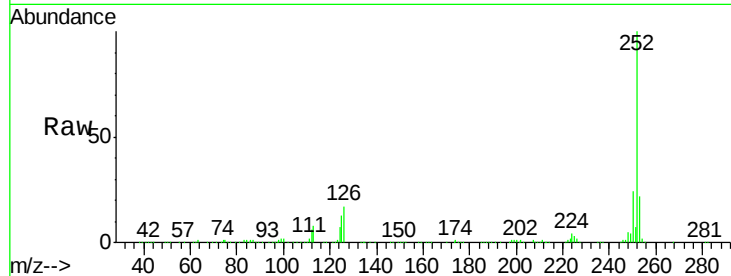




#87  
Benzo(b)fluoranthene  
Concen: 34.06 ng  
RT: 17.49 min Scan# 1453  
Delta R.T. -0.09 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

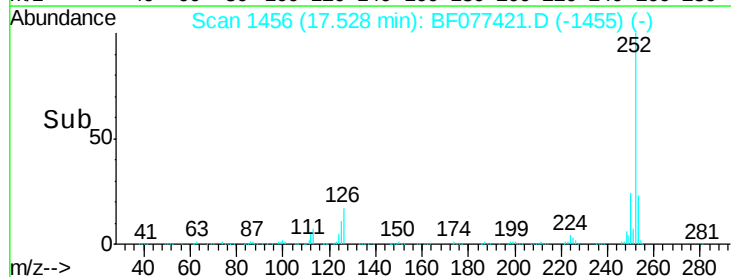
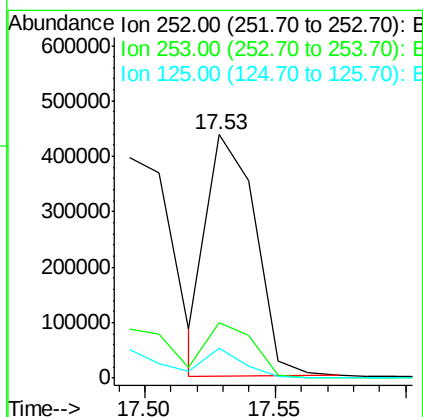
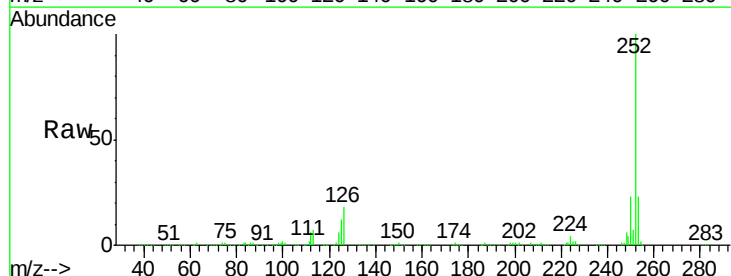
Instrument :  
BNA\_F  
ClientSampleId :  
PB81861BS

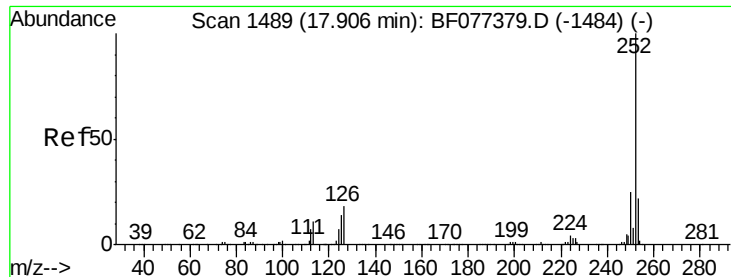
Tgt Ion: 252 Resp: 627216  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.6 26.4  
125 12.8 5.4 8.2#



#88  
Benzo(k)fluoranthene  
Concen: 31.30 ng  
RT: 17.53 min Scan# 1456  
Delta R.T. -0.09 min  
Lab File: BF077421.D  
Acq: 24 Feb 2015 17:53

Tgt Ion: 252 Resp: 564760  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.1 27.1  
125 12.2 10.1 15.1





#89

Benzo(a)pyrene

Concen: 33.78 ng

RT: 17.89 min Scan# 1488

Delta R.T. -0.09 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

Instrument :

BNA\_F

ClientSampleId :

PB81861BS

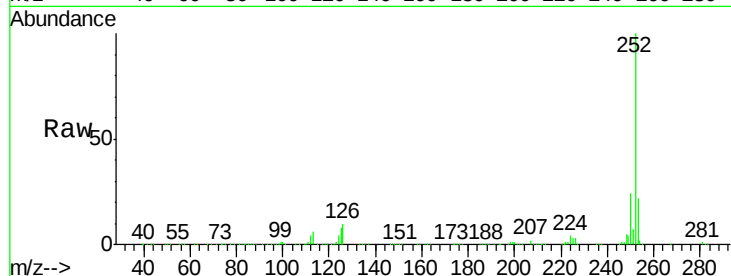
Tgt Ion:252 Resp: 592415

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

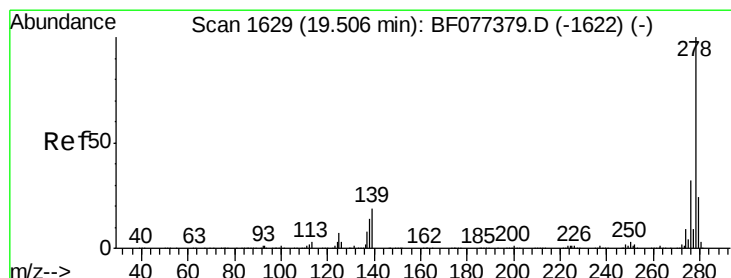
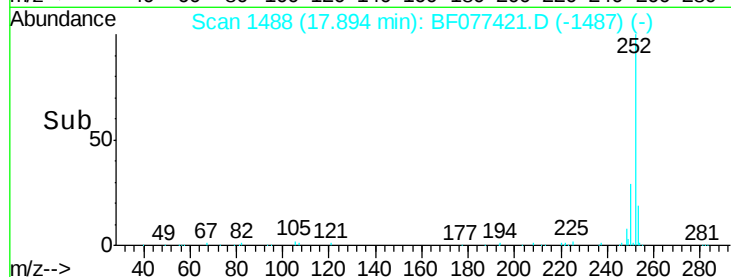
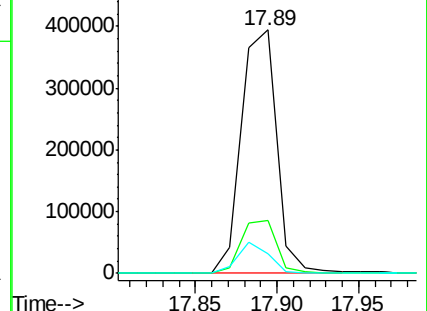
125 8.0 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 33.35 ng

RT: 19.47 min Scan# 1626

Delta R.T. -0.11 min

Lab File: BF077421.D

Acq: 24 Feb 2015 17:53

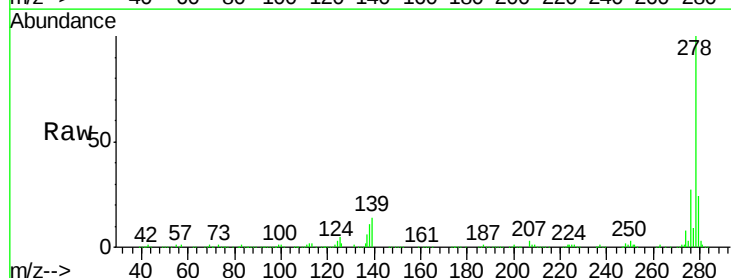
Tgt Ion:278 Resp: 557755

Ion Ratio Lower Upper

278 100

139 14.0 14.3 21.5#

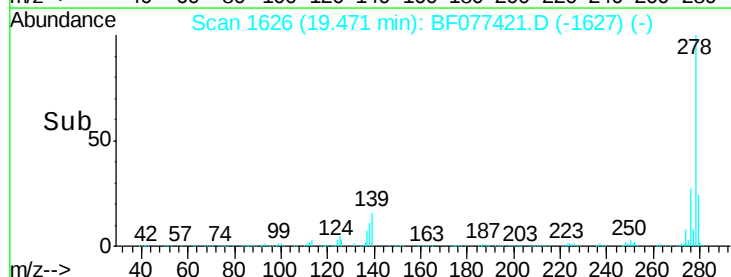
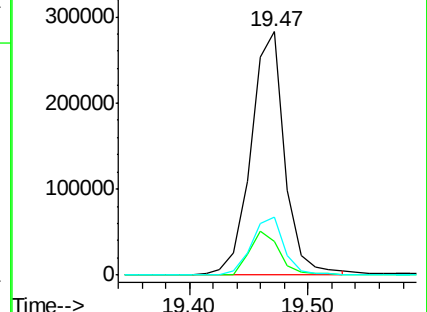
279 24.0 19.0 28.6

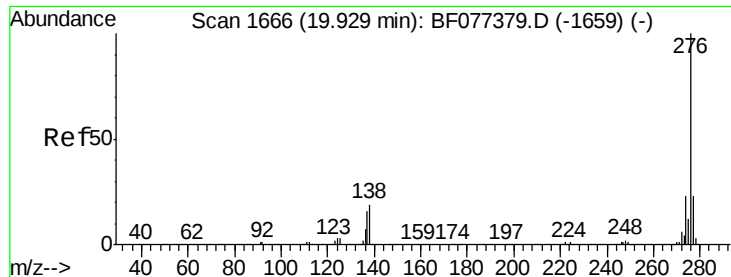


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

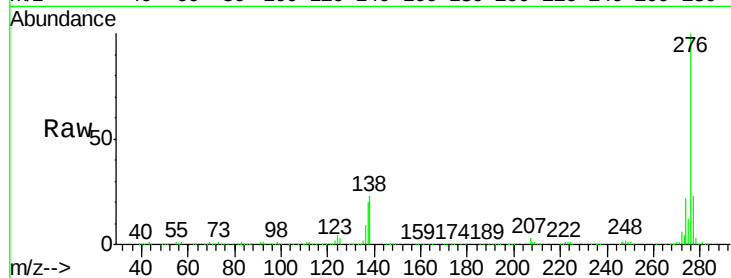




#91  
 Benzo(g,h,i)perylene  
 Concen: 34.23 ng  
 RT: 19.87 min Scan# 1661  
 Delta R.T. -0.13 min  
 Lab File: BF077421.D  
 Acq: 24 Feb 2015 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81861BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 577881 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 22.8 | 18.9  | 28.3   |
| 138       | 23.2 | 20.5  | 30.7   |



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

