

Data Path : Z:\HPCHEM1\BNA F\Data\BF020915\  
 Data File : BF077232.D  
 Acq On : 9 Feb 2015 19:32  
 Operator : TP/IZ  
 Sample : PB81636BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 10 01:19:01 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 00:55:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 30146    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 128832   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.61 | 164  | 62746    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.51 | 188  | 111895   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.01 | 240  | 108994   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.64 | 264  | 98580    | 20.00 | ng    | -0.02    |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 4.60  | 112 | 141691 | 77.28 | ng | 0.00 |
| 7) Phenol-d6                | 7.01  | 99  | 182414 | 78.86 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.90  | 82  | 167789 | 72.15 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330 | 41744  | 81.96 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.16 | 172 | 344345 | 83.52 | ng | 0.00 |
| 78) Terphenyl-d14           | 19.76 | 244 | 357962 | 75.61 | ng | 0.00 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.07  | 88  | 18114  | 23.07 | ng | # 88   |
| 3) Pyridine                    | 1.50  | 79  | 49097  | 24.17 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 1.46  | 42  | 32617  | 32.41 | ng | 89     |
| 6) Aniline                     | 6.89  | 93  | 42838  | 13.38 | ng | 96     |
| 8) 2-Chlorophenol              | 7.13  | 128 | 63077  | 29.84 | ng | 97     |
| 10) Phenol                     | 7.04  | 94  | 66696  | 27.16 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 58267  | 30.32 | ng | # 85   |
| 12) 1,3-Dichlorobenzene        | 7.44  | 146 | 67908  | 28.24 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.63  | 146 | 70496  | 27.64 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.94  | 146 | 66789  | 28.42 | ng | 99     |
| 15) Benzyl Alcohol             | 8.05  | 79  | 54165  | 28.94 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.40  | 45  | 78490  | 30.38 | ng | 91     |
| 17) 2-Methylphenol             | 8.41  | 107 | 49006  | 28.37 | ng | 97     |
| 18) Hexachloroethane           | 8.68  | 117 | 25921  | 29.22 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.68  | 70  | 46714  | 28.85 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.80  | 107 | 56472  | 24.69 | ng | 95     |
| 22) Acetophenone               | 8.59  | 105 | 91755  | 29.08 | ng | 97     |
| 24) Nitrobenzene               | 8.94  | 77  | 65549  | 27.67 | ng | 98     |
| 25) Isophorone                 | 9.55  | 82  | 120782 | 28.52 | ng | 94     |
| 26) 2-Nitrophenol              | 9.69  | 139 | 29458  | 25.16 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 9.97  | 122 | 54061  | 29.51 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93  | 75703  | 31.45 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.30 | 162 | 44286  | 25.94 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.42 | 180 | 54988  | 29.00 | ng | 96     |
| 31) Naphthalene                | 10.54 | 128 | 188825 | 28.47 | ng | 100    |
| 32) Benzoic acid               | 10.38 | 122 | 6359   | 6.27  | ng | # 66   |
| 33) 4-Chloroaniline            | 10.82 | 127 | 37907  | 14.14 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.91 | 225 | 33148  | 29.46 | ng | 99     |
| 35) Caprolactam                | 11.65 | 113 | 11879  | 23.63 | ng | # 85   |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 52699  | 26.96 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.20 | 142 | 133725 | 29.52 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.60 | 216 | 51730  | 33.35 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.59 | 237 | 48558  | 59.40 | ng | 97     |
| 42) 2,4,6-Trichlorophenol      | 12.97 | 196 | 33129  | 29.31 | ng | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 43) 2,4,5-Trichlorophenol      | 13.07 | 196  | 25689    | 22.28 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 13.36 | 154  | 155430   | 33.41 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.32 | 162  | 125024   | 32.66 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.69 | 65   | 38586    | 33.23 | nq    | 88       |
| 48) Acenaphthylene             | 14.27 | 152  | 199895   | 30.96 | nq    | 99       |
| 49) Dimethylphthalate          | 14.24 | 163  | 149177   | 33.52 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.33 | 165  | 31204    | 35.10 | nq    | # 87     |
| 51) Acenaphthene               | 14.69 | 154  | 111045   | 30.31 | nq    | 96       |
| 52) 3-Nitroaniline             | 14.68 | 138  | 21488    | 19.62 | nq    | # 88     |
| 53) 2,4-Dinitrophenol          | 14.98 | 184  | 14861    | 42.14 | nq    | # 88     |
| 54) Dibenzofuran               | 15.12 | 168  | 175376   | 32.86 | nq    | 98       |
| 55) 4-Nitrophenol              | 15.31 | 139  | 29728    | 42.62 | nq    | 96       |
| 56) 2,4-Dinitrotoluene         | 15.27 | 165  | 42247    | 32.42 | nq    | 89       |
| 57) Fluorene                   | 15.89 | 166  | 145245   | 32.13 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 23386    | 27.86 | nq    | # 96     |
| 59) Diethylphthalate           | 15.91 | 149  | 158645   | 35.28 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204  | 62695    | 33.89 | nq    | 88       |
| 61) 4-Nitroaniline             | 16.05 | 138  | 29099    | 26.62 | nq    | 95       |
| 62) Azobenzene                 | 16.28 | 77   | 161598   | 34.49 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198  | 16911    | 25.20 | nq    | 82       |
| 65) n-Nitrosodiphenylamine     | 16.25 | 169  | 123373   | 30.92 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.87 | 248  | 35530    | 31.34 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.88 | 284  | 36912    | 30.90 | nq    | # 93     |
| 68) Atrazine                   | 17.25 | 200  | 40419    | 33.38 | nq    | 97       |
| 69) Pentachlorophenol          | 17.27 | 266  | 23351    | 45.84 | nq    | 93       |
| 70) Phenanthrene               | 17.54 | 178  | 205619   | 29.47 | nq    | 98       |
| 71) Anthracene                 | 17.62 | 178  | 211227   | 31.04 | nq    | 97       |
| 72) Carbazole                  | 17.91 | 167  | 198212   | 30.03 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.51 | 149  | 251777   | 32.96 | nq    | 98       |
| 74) Fluoranthene               | 19.20 | 202  | 218562   | 30.57 | nq    | 97       |
| 76) Benzidine                  | 19.45 | 184  | 81136    | 23.26 | nq    | 98       |
| 77) Pyrene                     | 19.47 | 202  | 222898   | 29.84 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.42 | 149  | 111577   | 32.98 | nq    | 96       |
| 80) Benzo(a)anthracene         | 21.00 | 228  | 201963   | 29.53 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 39662    | 18.25 | nq    | 99       |
| 82) Chrysene                   | 21.05 | 228  | 184613   | 29.60 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 163261   | 34.88 | nq    | 96       |
| 84) Di-n-octyl phthalate       | 21.92 | 149  | 286731   | 35.30 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.70 | 276  | 196009   | 29.66 | nq    | # 83     |
| 87) Benzo(b)fluoranthene       | 22.24 | 252  | 231855   | 34.92 | nq    | 96       |
| 88) Benzo(k)fluoranthene       | 22.24 | 252  | 231855   | 39.97 | nq    | 99       |
| 89) Benzo(a)pyrene             | 22.58 | 252  | 171797   | 29.33 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 23.72 | 278  | 163256   | 30.38 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 23.96 | 276  | 166628   | 31.19 | nq    | 96       |
| -----                          |       |      |          |       |       |          |

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



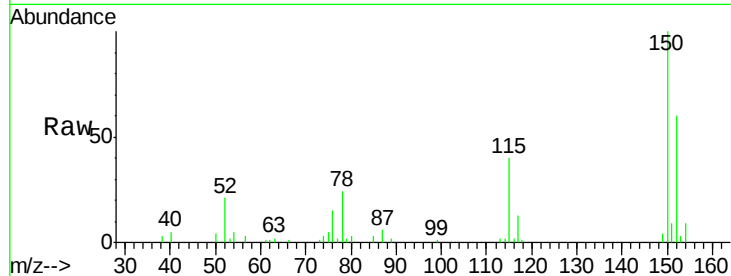


#1

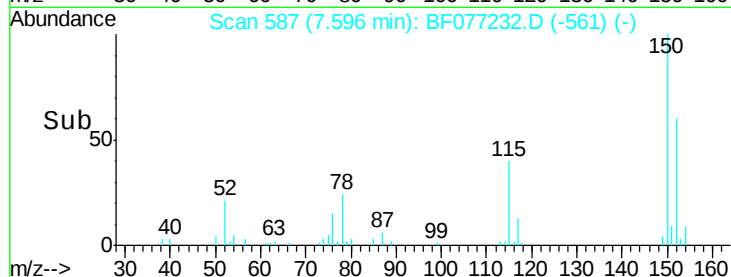
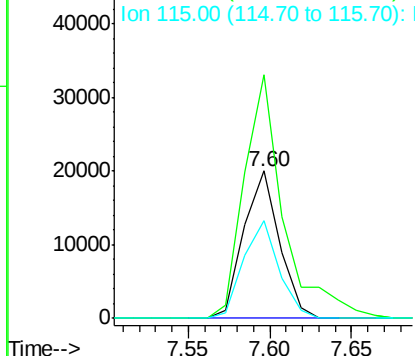
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.60 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 30146  
Ion Ratio Lower Upper  
152 100  
150 165.5 121.7 182.5  
115 66.6 47.0 70.6



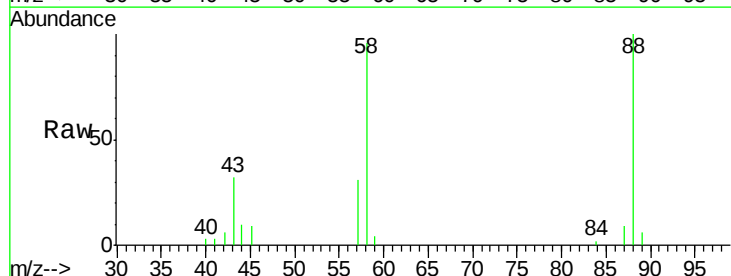
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



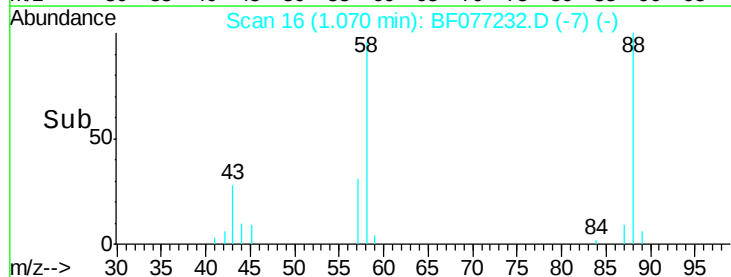
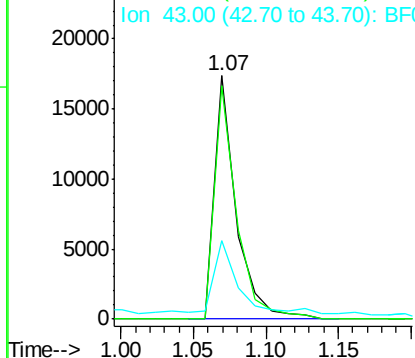
#2

1,4-Dioxane  
Concen: 23.07 ng  
RT: 1.07 min Scan# 16  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion: 88 Resp: 18114  
Ion Ratio Lower Upper  
88 100  
58 97.6 77.0 115.4  
43 56.1 25.6 38.4#



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





#3

Pvridine

Concen: 24.17 ng

RT: 1.50 min Scan# 54

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

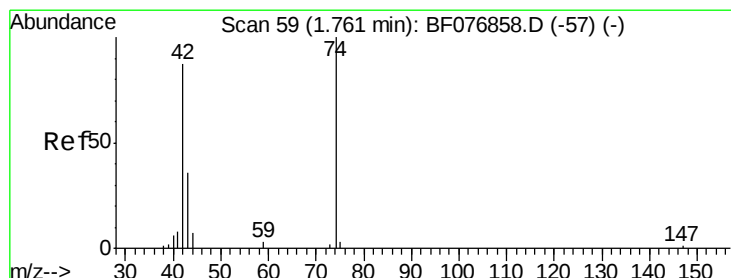
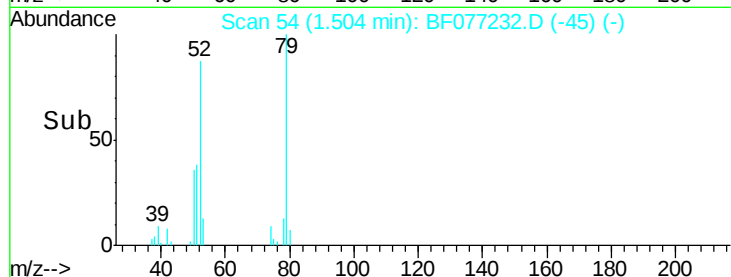
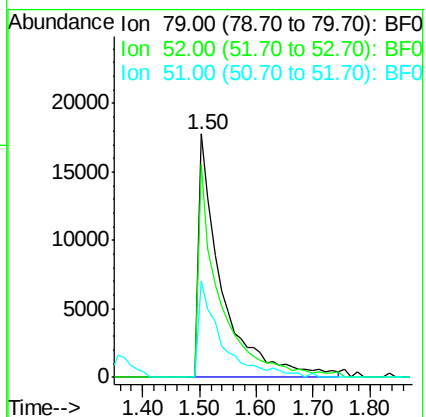
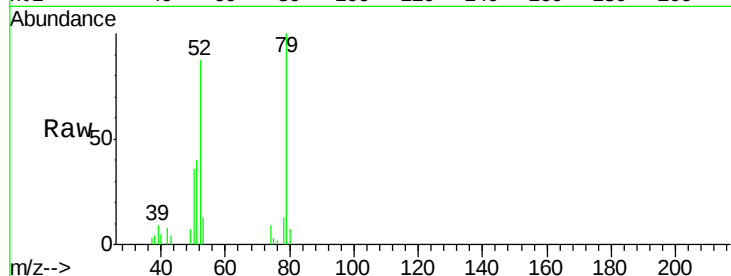
Tot Ion: 79 Resp: 49097

Ion Ratio Lower Upper

79 100

52 87.4 70.1 105.1

51 39.6 35.1 52.7



#4

n-Nitrosodimethylamine

Concen: 32.41 ng

RT: 1.46 min Scan# 50

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

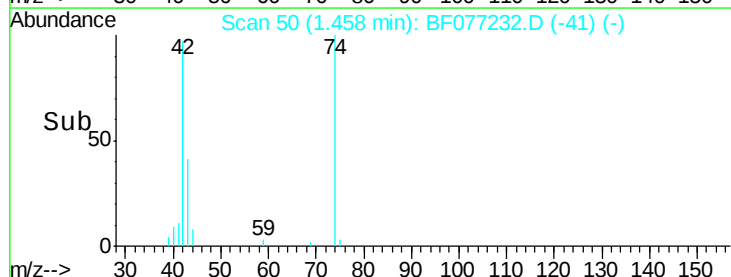
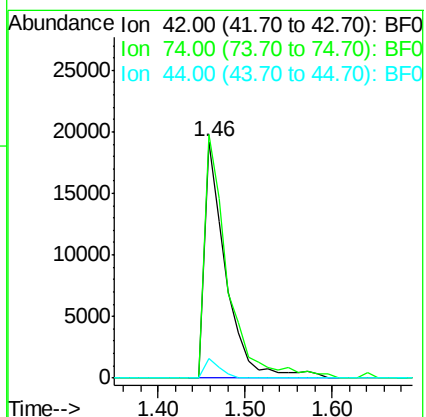
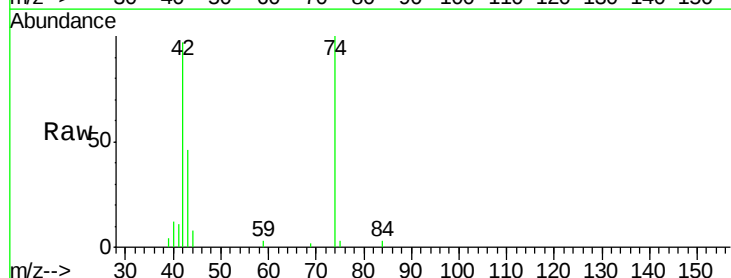
Tgt Ion: 42 Resp: 32617

Ion Ratio Lower Upper

42 100

74 102.9 92.4 138.6

44 8.1 6.2 9.2





#5

2-Fluorophenol

Concen: 77.28 ng

RT: 4.60 min Scan# 325

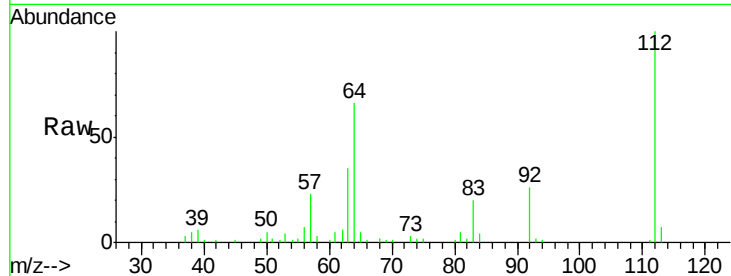
Delta R.T. 0.00 min

Lab File: BF077232.D

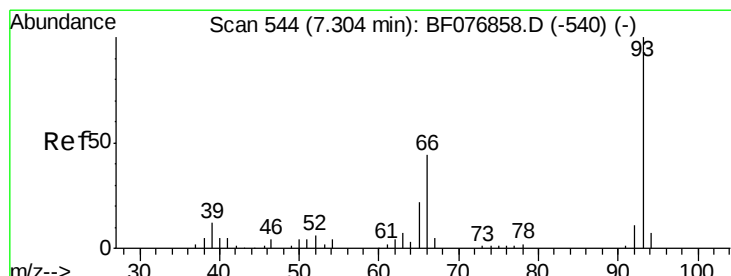
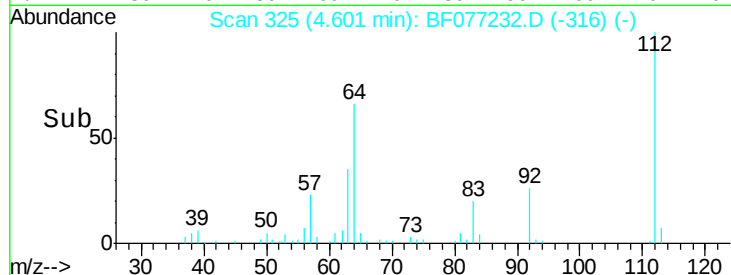
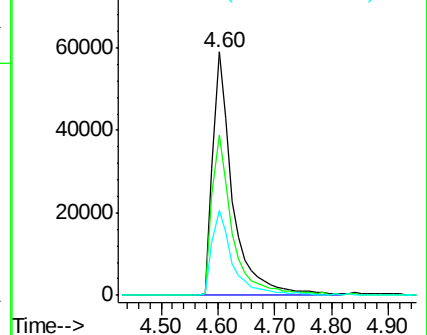
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 141691 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 65.9  | 54.2  | 81.4   |
| 63       | 34.8  | 28.4  | 42.6   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 13.38 ng

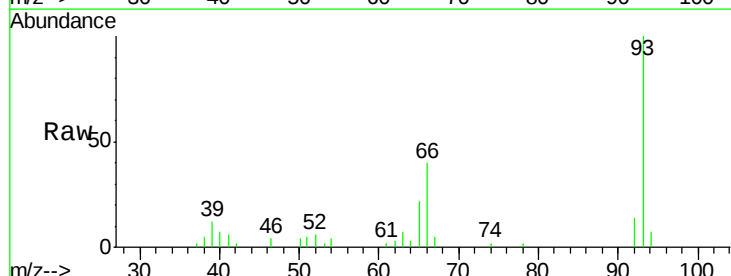
RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

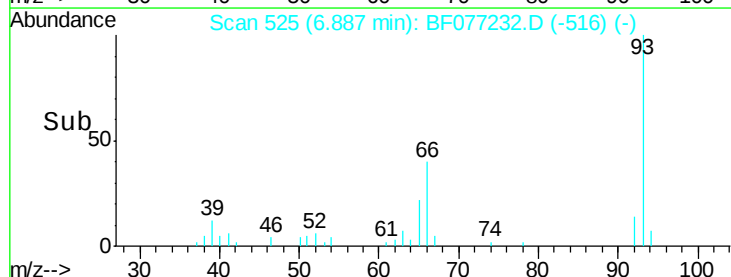
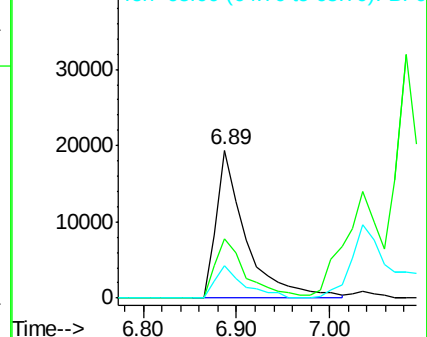
Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 42838 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 40.3  | 35.0  | 52.4  |
| 65       | 22.0  | 17.7  | 26.5  |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 78.86 ng

RT: 7.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampled :

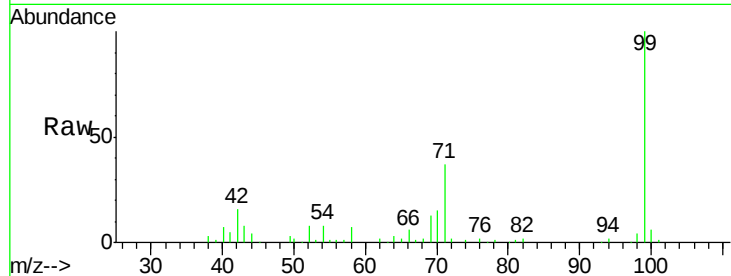
Tot Ion: 99 Resp: 182414

Ion Ratio Lower Upper

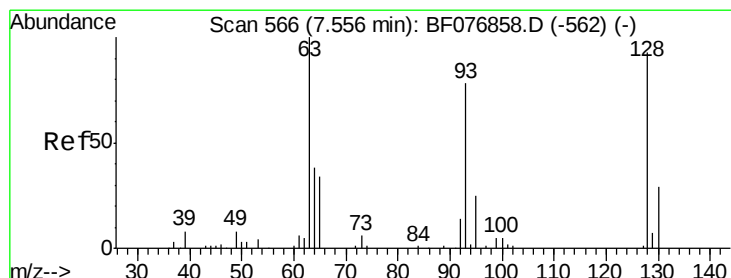
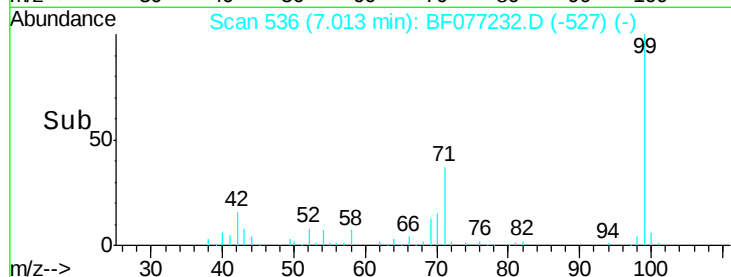
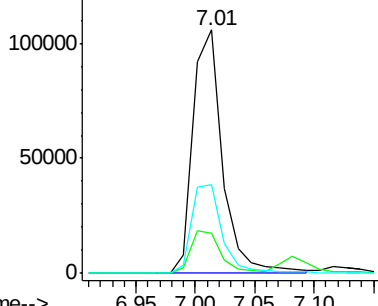
99 100

42 16.3 15.0 22.4

71 36.6 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 29.84 ng

RT: 7.13 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

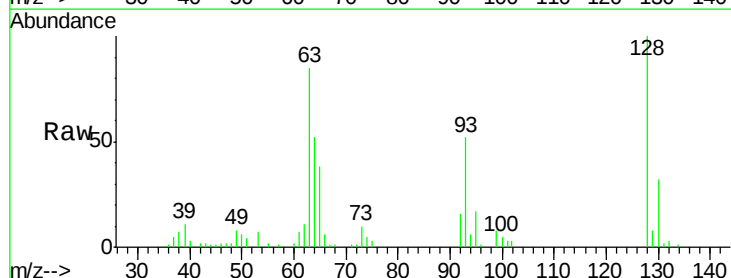
Tgt Ion: 128 Resp: 63077

Ion Ratio Lower Upper

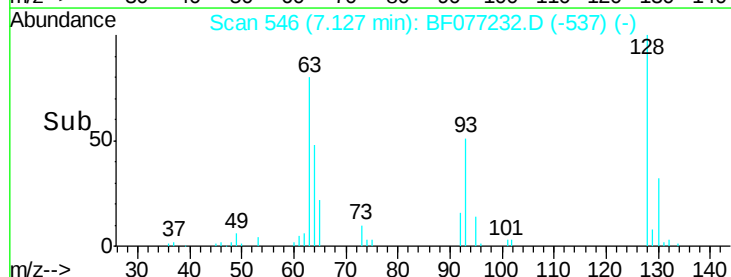
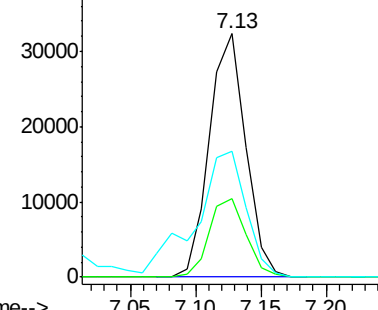
128 100

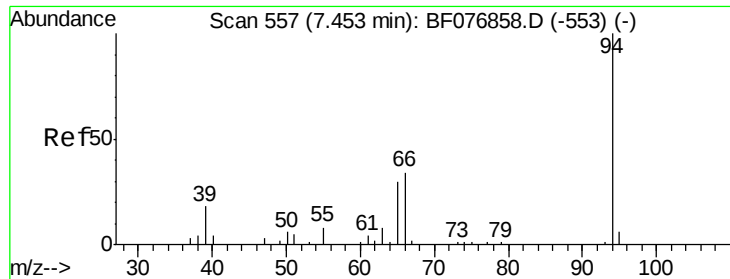
130 32.0 11.0 51.0

64 51.8 29.3 69.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 27.16 ng

RT: 7.04 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampled :

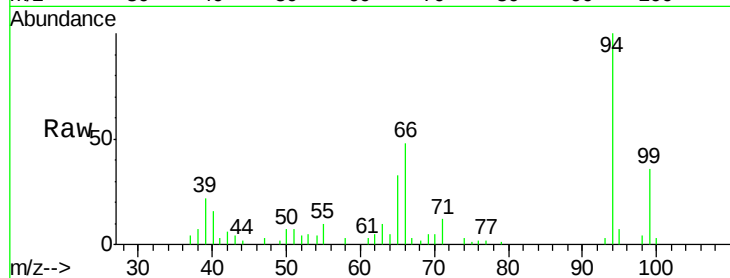
Tot Ion: 94 Resp: 66696

Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

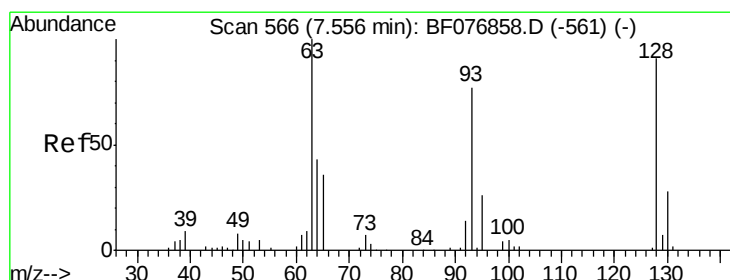
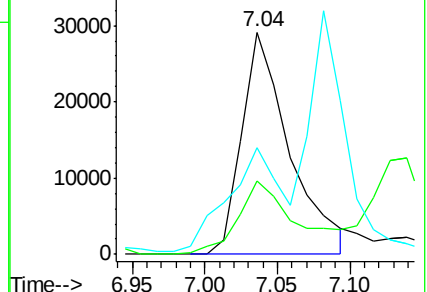
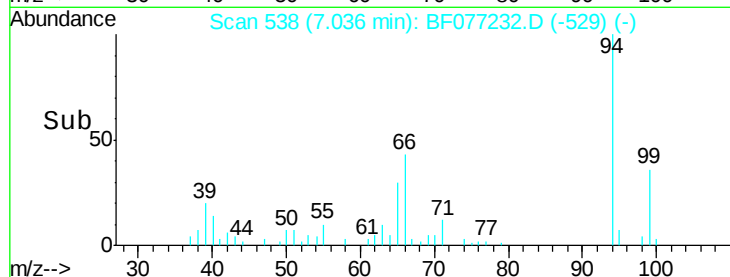
66 47.7 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 30.32 ng

RT: 7.14 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

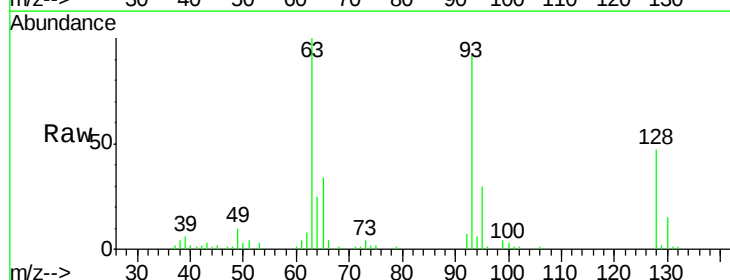
Tgt Ion: 93 Resp: 58267

Ion Ratio Lower Upper

93 100

63 109.0 111.3 151.3#

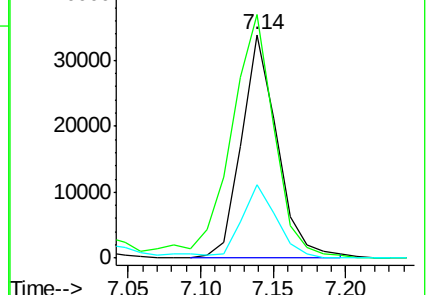
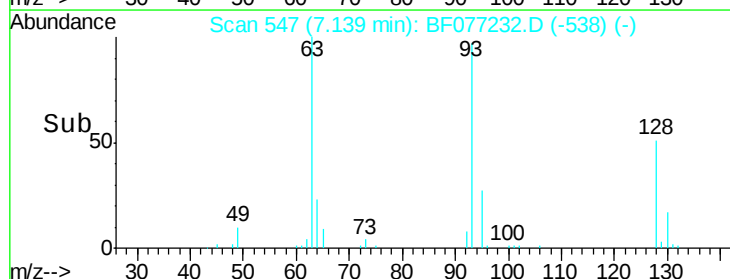
95 33.1 13.8 53.8

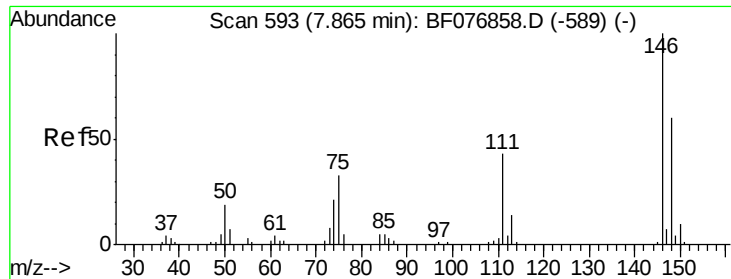


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

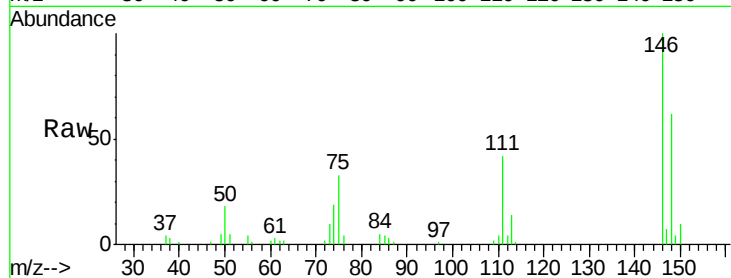




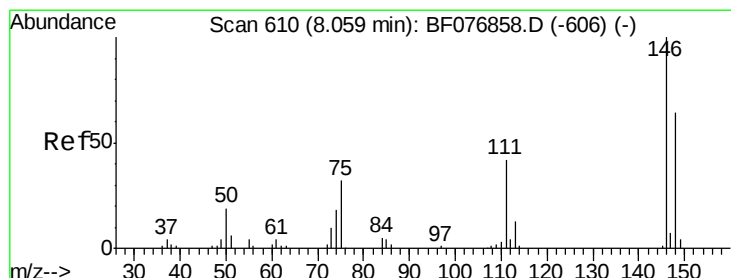
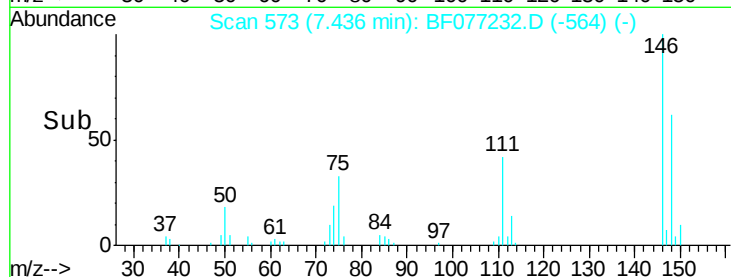
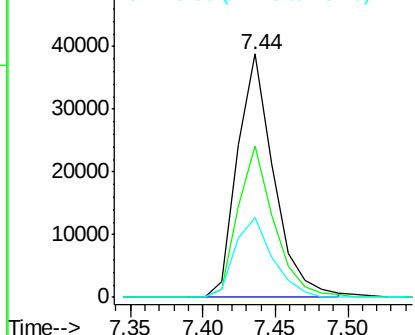
#12  
 1,3-Dichlorobenzene  
 Concen: 28.24 ng  
 RT: 7.44 min Scan# 573  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 67908  
 Ion Ratio Lower Upper  
 146 100  
 148 62.4 48.1 72.1  
 75 32.9 26.8 40.2

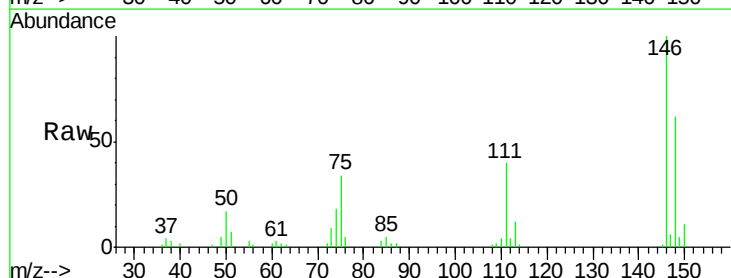


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BF0

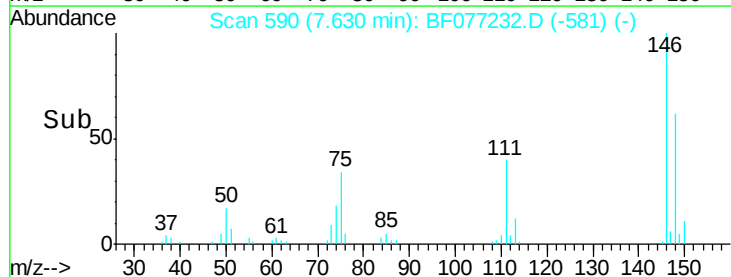
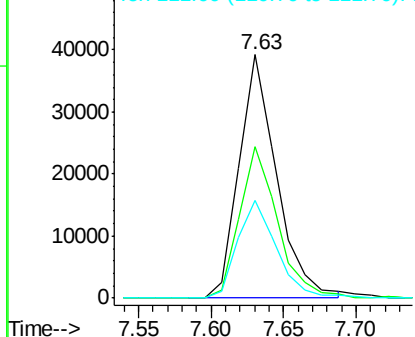


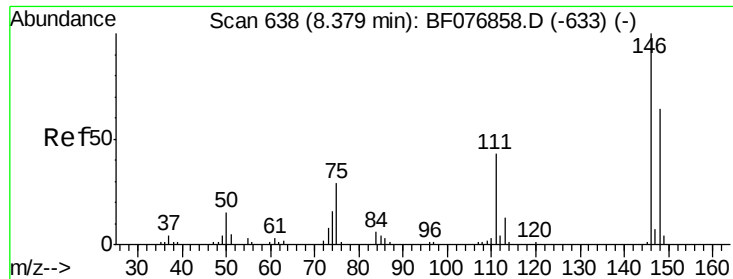
#13  
 1,4-Dichlorobenzene  
 Concen: 27.64 ng  
 RT: 7.63 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:146 Resp: 70496  
 Ion Ratio Lower Upper  
 146 100  
 148 62.2 51.5 77.3  
 111 40.2 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

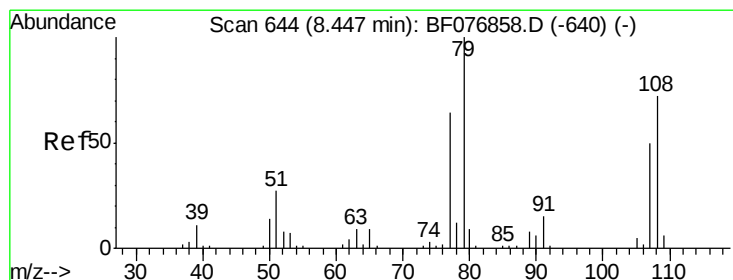
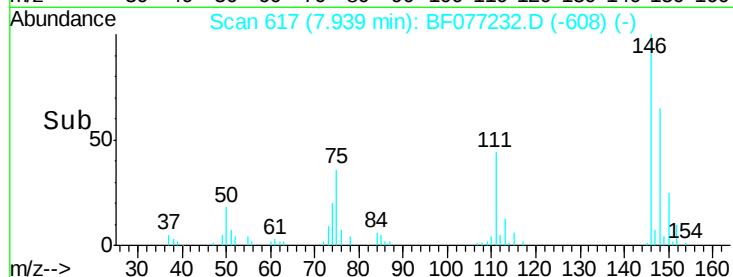
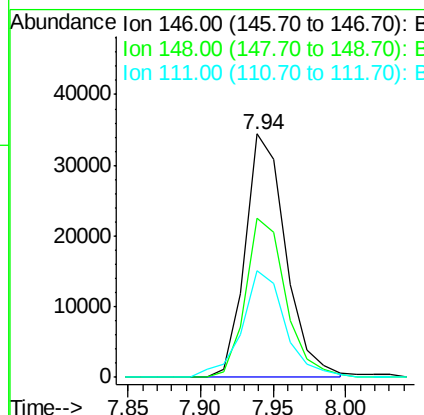
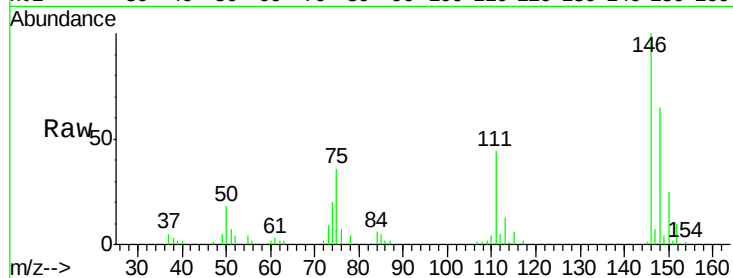




#14  
 1,2-Dichlorobenzene  
 Concen: 28.42 ng  
 RT: 7.94 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

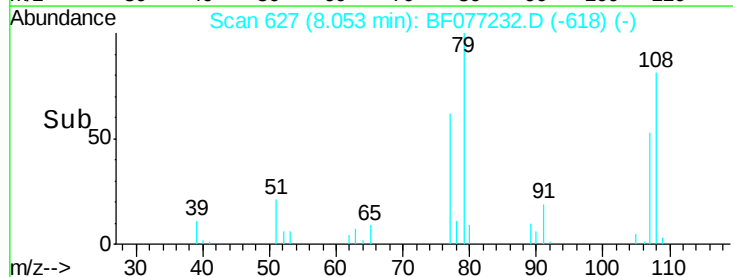
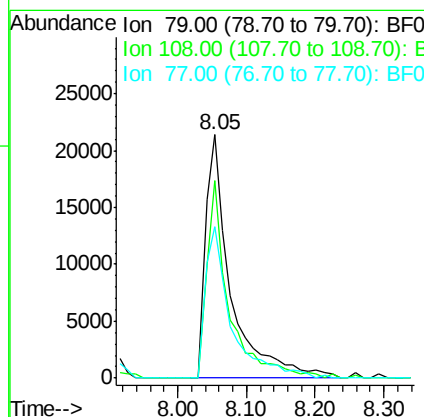
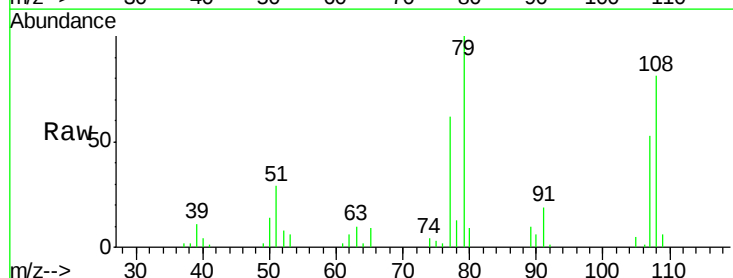
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 66789  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 51.3 76.9  
 111 43.8 34.5 51.7



#15  
 Benzyl Alcohol  
 Concen: 28.94 ng  
 RT: 8.05 min Scan# 627  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion: 79 Resp: 54165  
 Ion Ratio Lower Upper  
 79 100  
 108 81.0 57.2 85.8  
 77 62.4 51.2 76.8

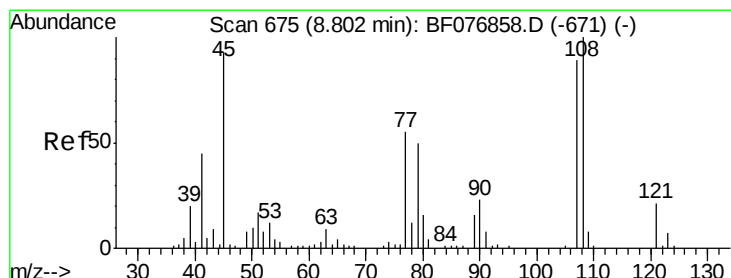
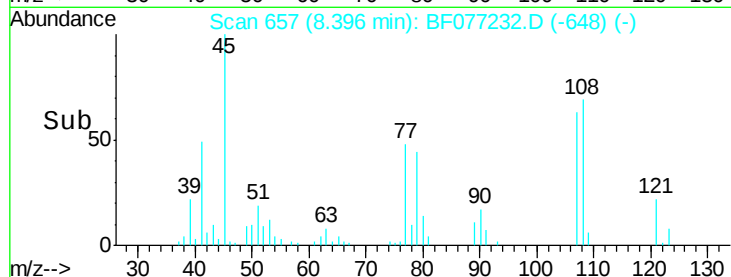
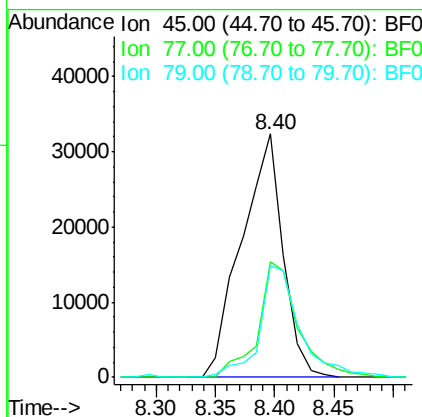
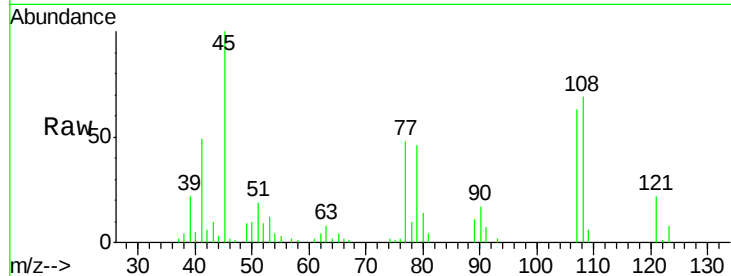




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 30.38 ng  
RT: 8.40 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

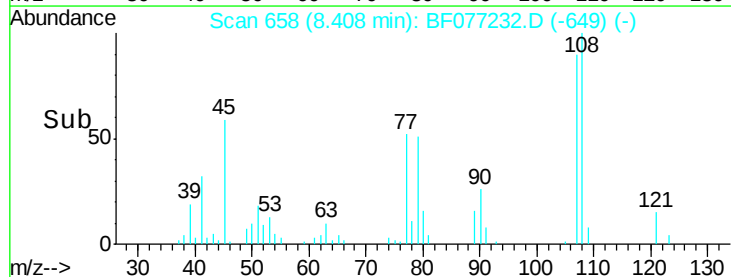
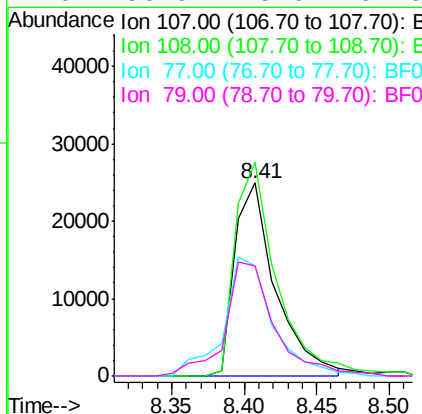
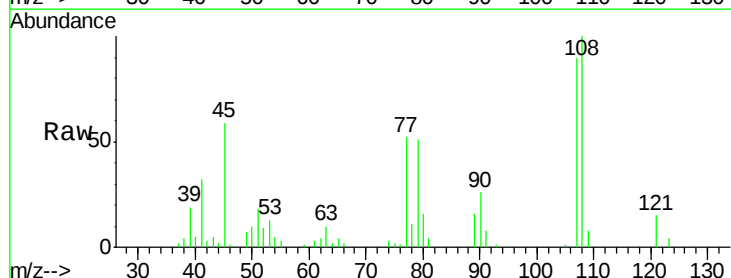
Instrument :  
BNA\_F  
ClientSampleId :

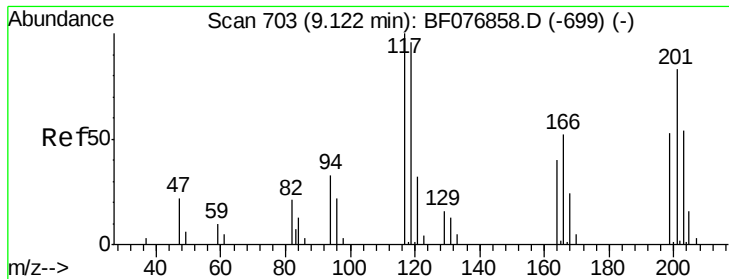
Tot Ion: 45 Resp: 78490  
Ion Ratio Lower Upper  
45 100  
77 47.5 36.1 76.1  
79 45.7 30.5 70.5



#17  
2-Methylphenol  
Concen: 28.37 ng  
RT: 8.41 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:107 Resp: 49006  
Ion Ratio Lower Upper  
107 100  
108 110.7 89.7 134.5  
77 57.2 50.1 75.1  
79 56.9 45.0 67.6

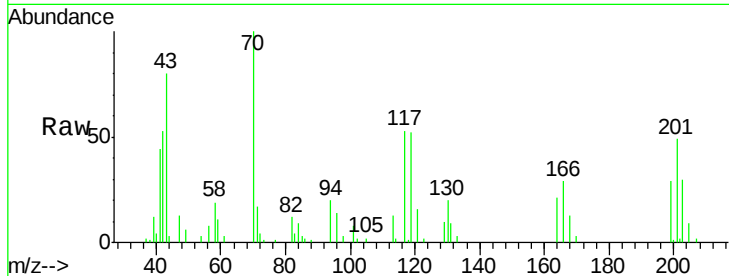




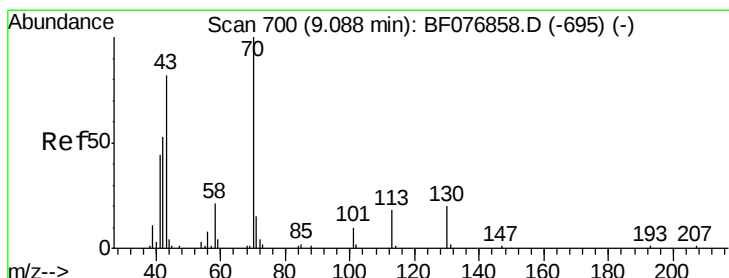
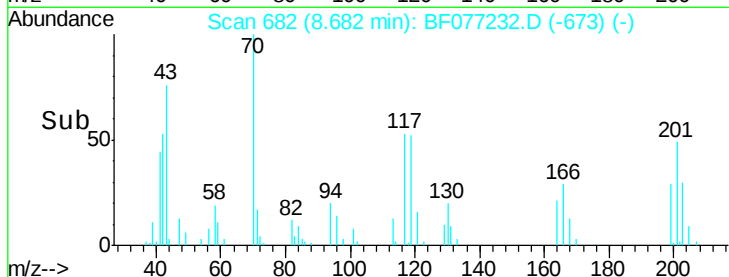
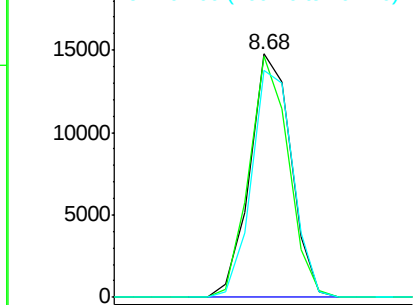
#18  
Hexachloroethane  
Concen: 29.22 ng  
RT: 8.68 min Scan# 682  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:117 Resp: 25921  
Ion Ratio Lower Upper  
117 100  
119 98.9 77.1 115.7  
201 93.0 66.8 100.2

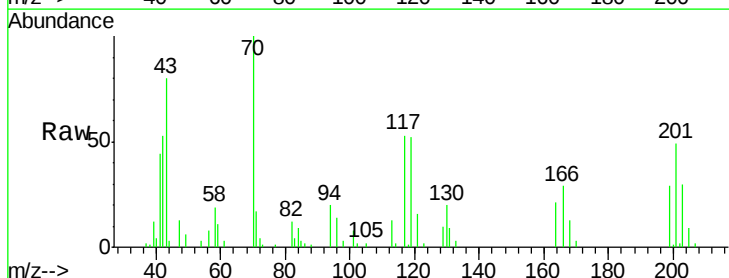


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

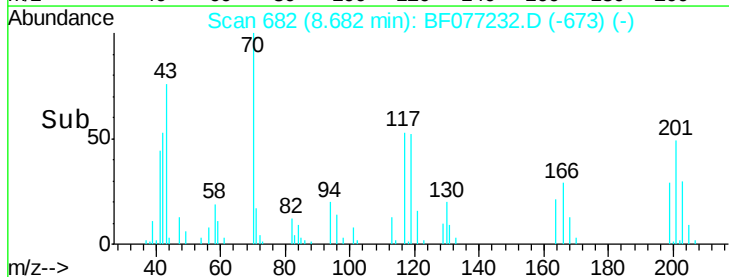
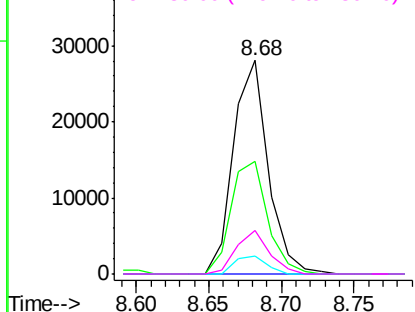


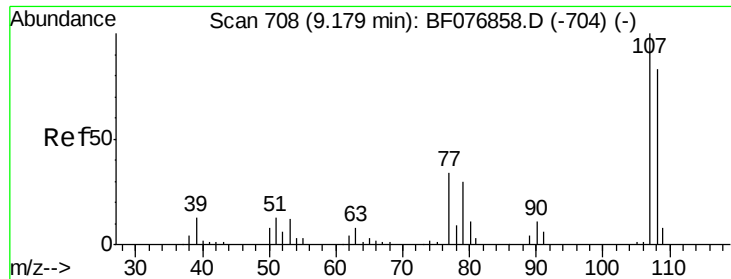
#19  
n-Nitroso-di-n-propylamine  
Concen: 28.85 ng  
RT: 8.68 min Scan# 682  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion: 70 Resp: 46714  
Ion Ratio Lower Upper  
70 100  
42 52.8 42.1 63.1  
101 8.5 7.8 11.8  
130 20.2 16.2 24.4



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

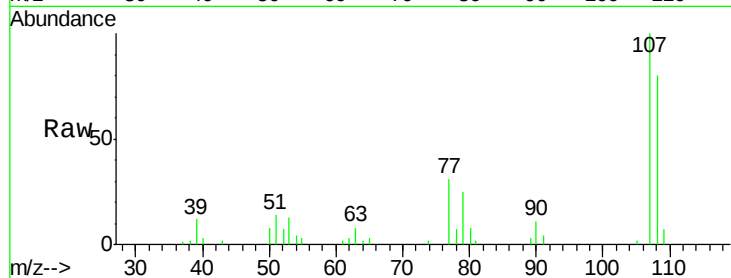




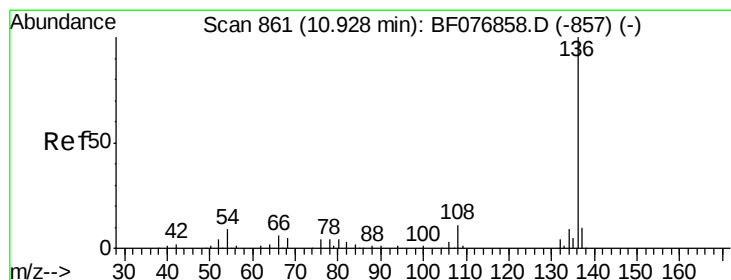
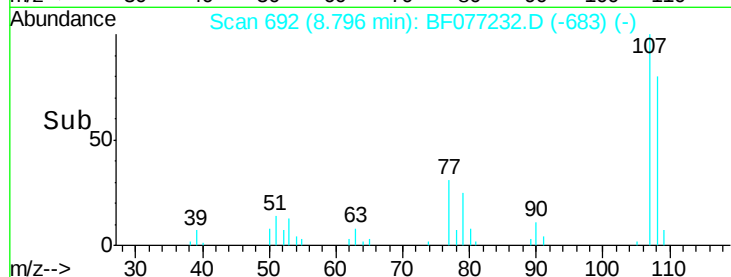
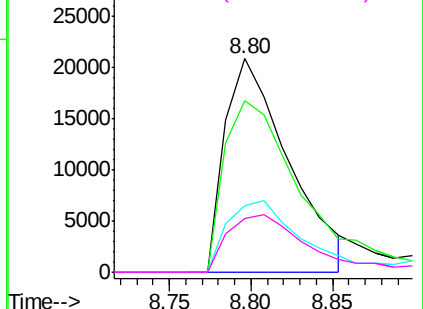
#20  
3+4-Methylphenols  
Concen: 24.69 ng  
RT: 8.80 min Scan# 692  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 56472 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 80.1  | 63.5  | 103.5 |
| 77       | 31.1  | 14.0  | 54.0  |
| 79       | 25.2  | 9.9   | 49.9  |

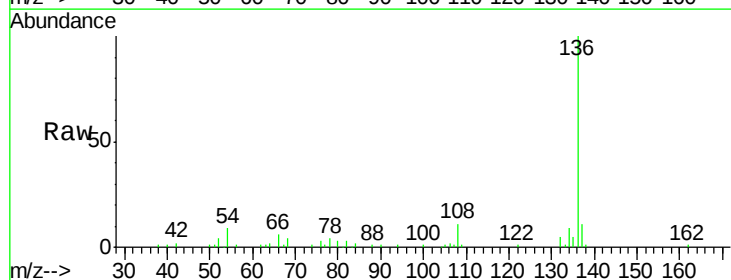


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

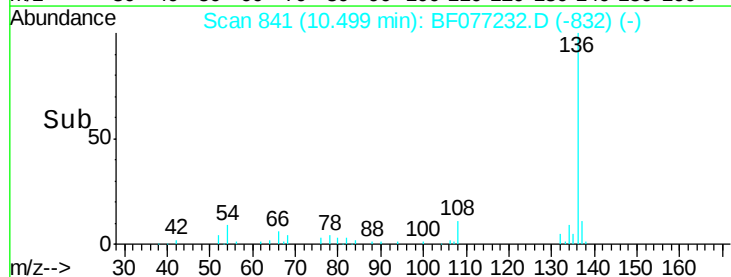
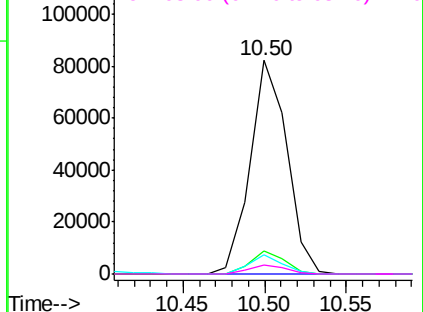


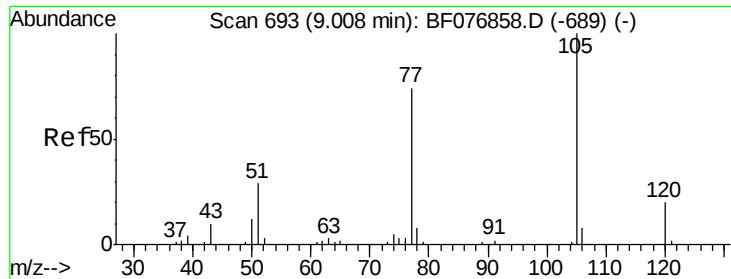
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.50 min Scan# 841  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 128832 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.1   | 12.1   |
| 54       | 8.8   | 7.0   | 10.4   |
| 68       | 4.3   | 3.7   | 5.5    |



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0



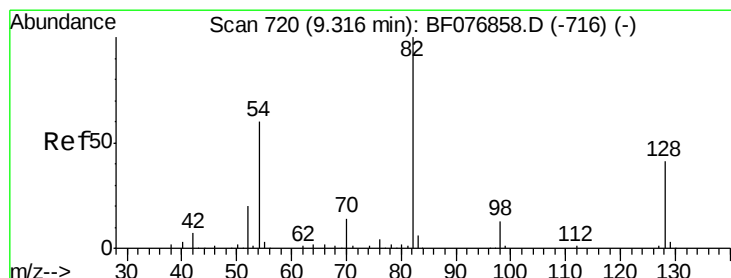
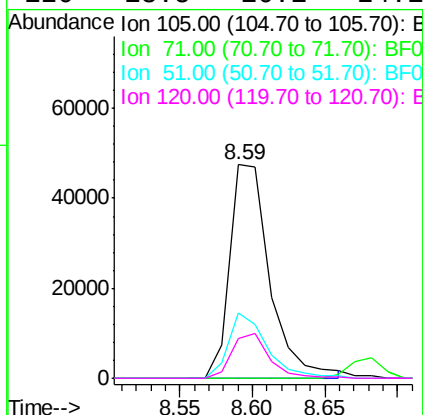
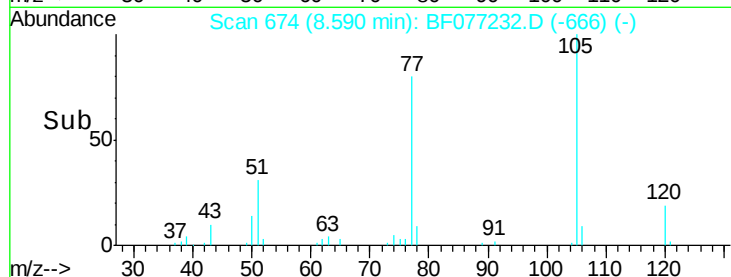
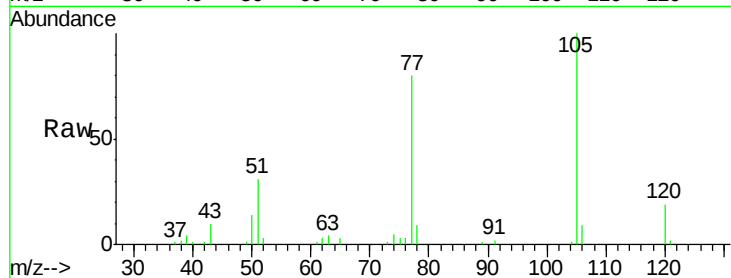


#22  
 Acetophenone  
 Concen: 29.08 ng  
 RT: 8.59 min Scan# 674  
 Delta R.T. -0.01 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 105 Resp: 91755

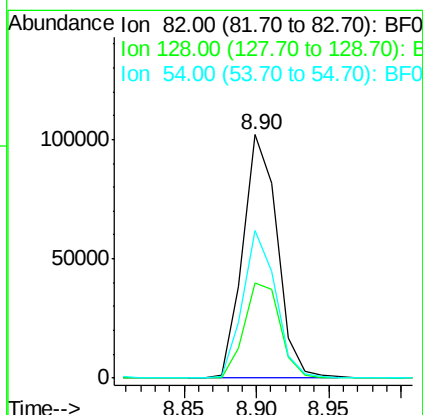
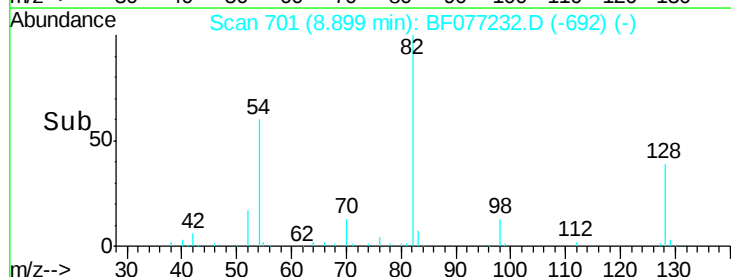
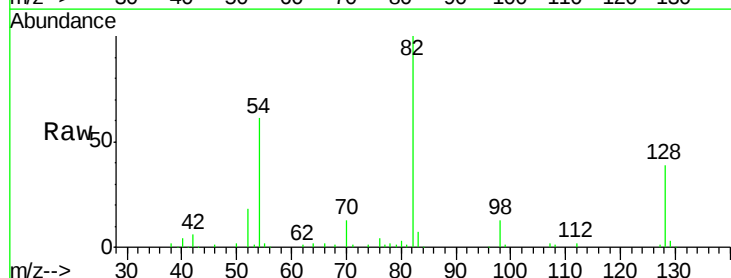
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 0.0   | 0.0   | 0.0   |
| 51  | 30.9  | 23.3  | 34.9  |
| 120 | 18.5  | 16.1  | 24.1  |

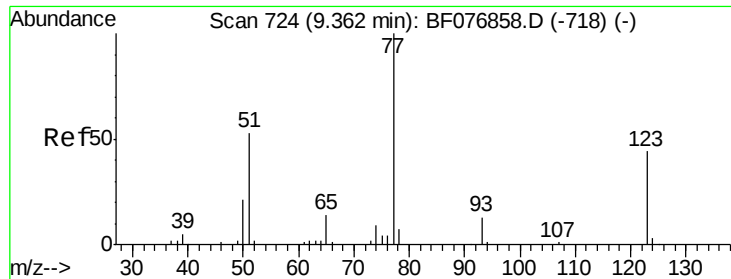


#23  
 Nitrobenzene-d5  
 Concen: 72.15 ng  
 RT: 8.90 min Scan# 701  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion: 82 Resp: 167789

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 39.0  | 33.1  | 49.7  |
| 54  | 60.7  | 48.3  | 72.5  |





#24

Nitrobenzene

Concen: 27.67 ng

RT: 8.94 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

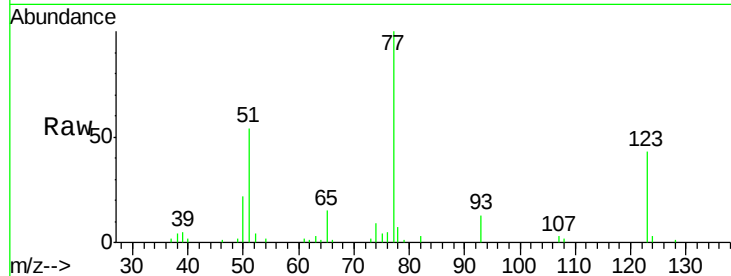
Tot Ion: 77 Resp: 65549

Ion Ratio Lower Upper

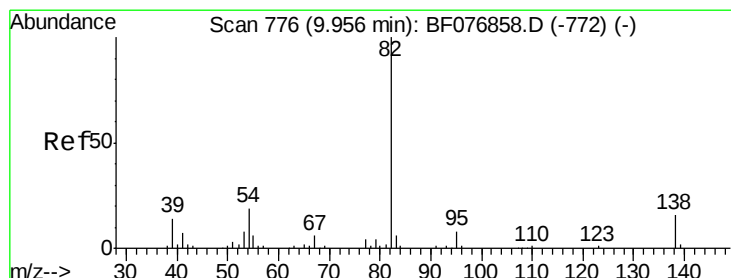
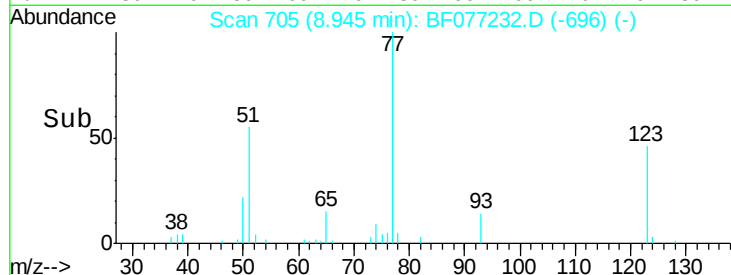
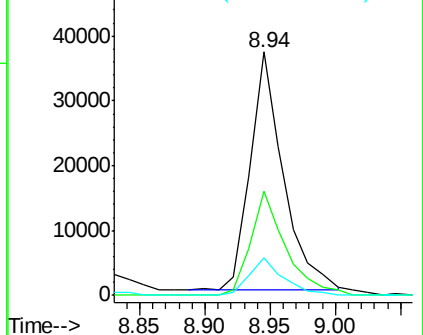
77 100

123 42.7 35.2 52.8

65 15.4 11.4 17.2



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: 28.52 ng

RT: 9.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

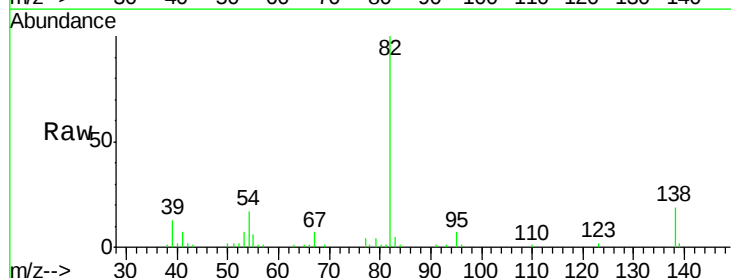
Tgt Ion: 82 Resp: 120782

Ion Ratio Lower Upper

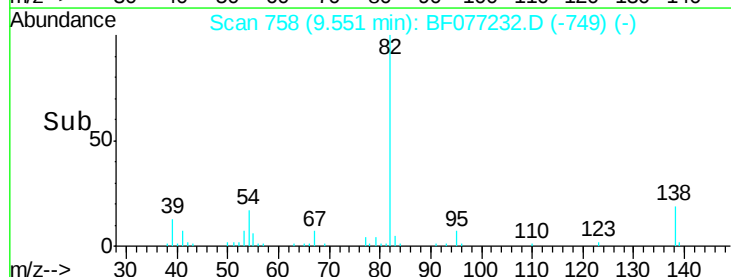
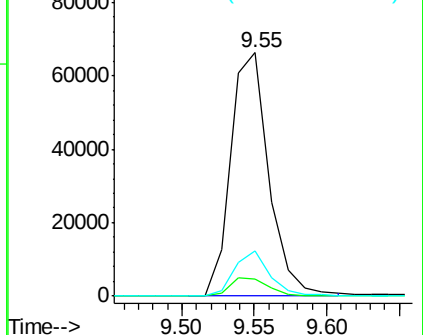
82 100

95 7.1 6.6 10.0

138 18.6 12.6 18.8



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

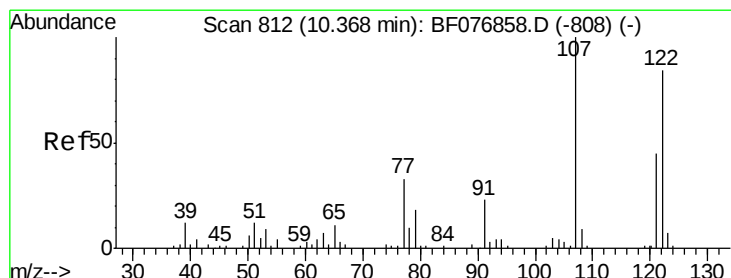
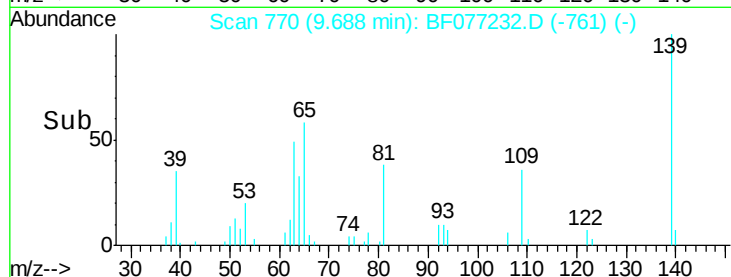
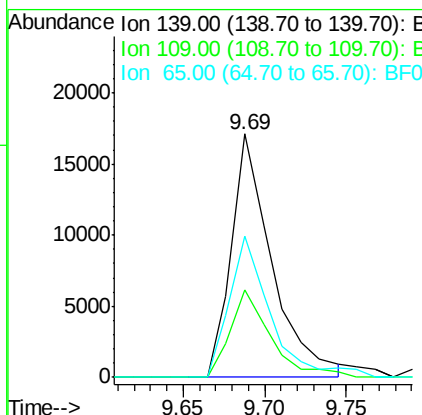
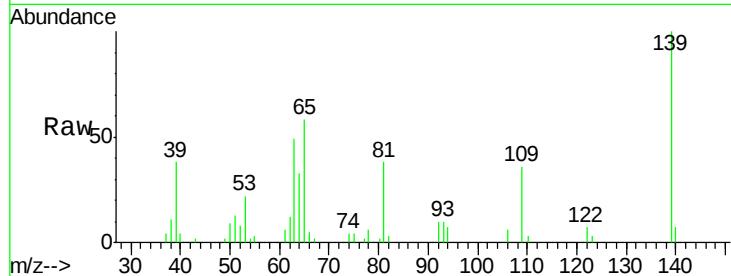




#26  
2-Nitrophenol  
Concen: 25.16 ng  
RT: 9.69 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

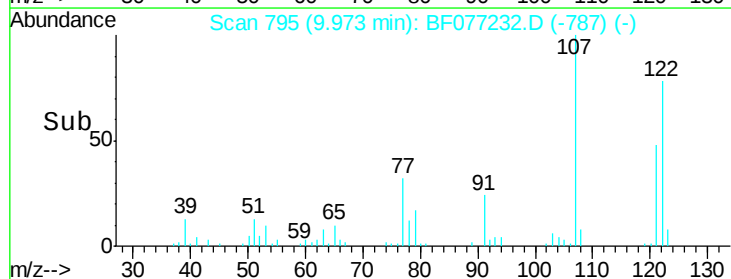
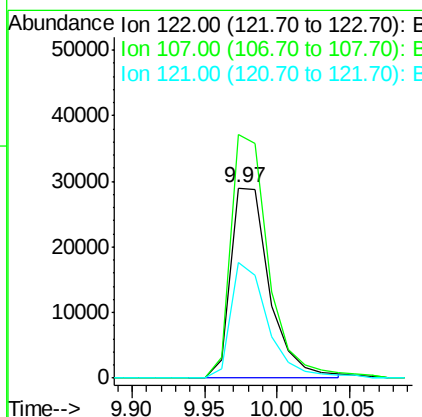
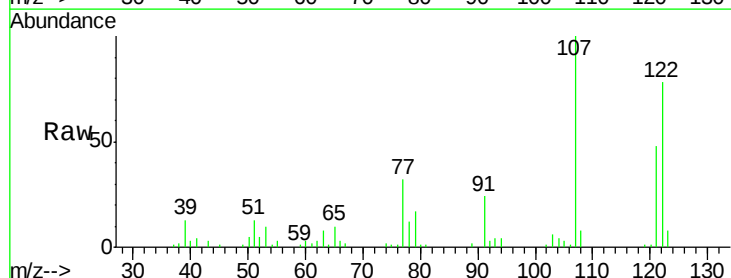
Instrument :  
BNA\_F  
ClientSampled :

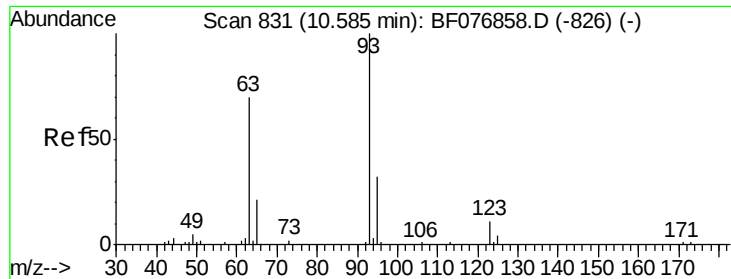
Tot Ion:139 Resp: 29458  
Ion Ratio Lower Upper  
139 100  
109 35.9 21.3 31.9#  
65 58.1 39.4 59.0



#27  
2,4-Dimethylphenol  
Concen: 29.51 ng  
RT: 9.97 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:122 Resp: 54061  
Ion Ratio Lower Upper  
122 100  
107 128.1 95.2 142.8  
121 60.9 42.9 64.3

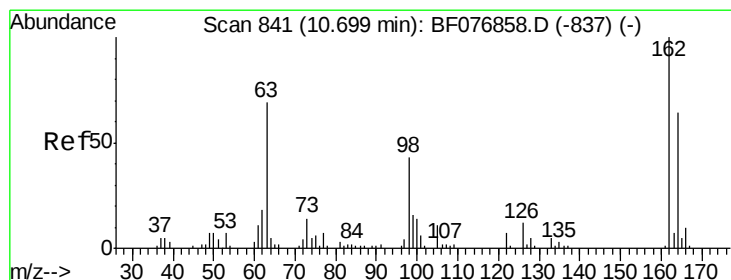
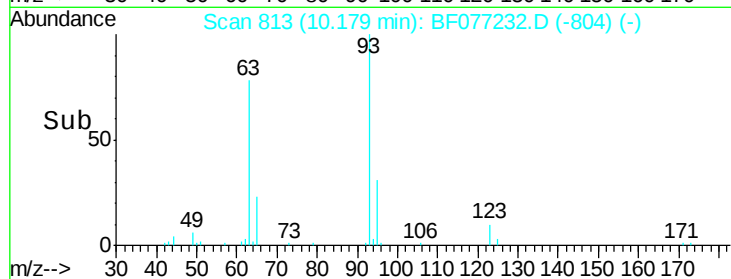
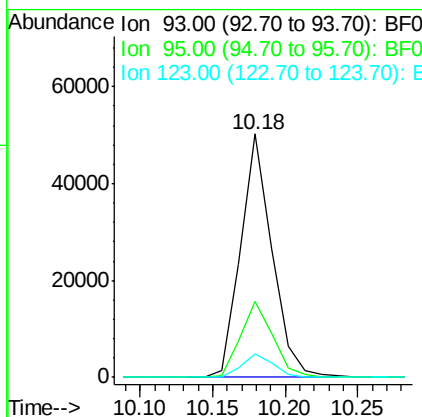
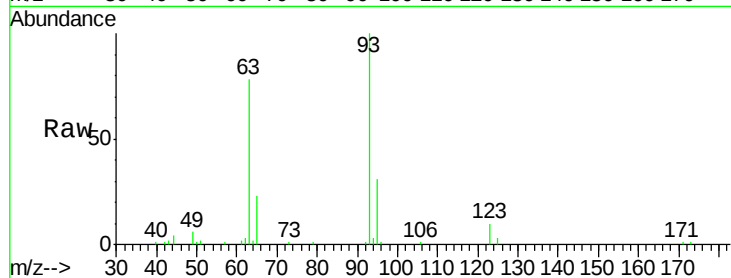




#28  
bis(2-Chloroethoxy)methane  
Concen: 31.45 ng  
RT: 10.18 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

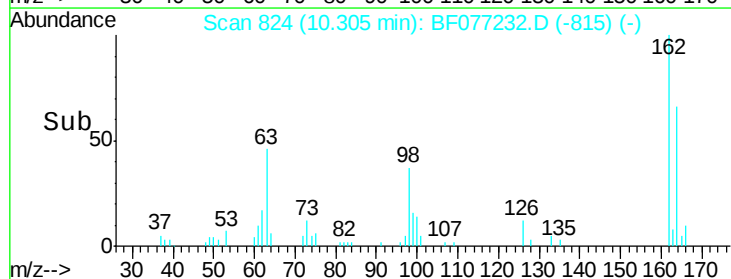
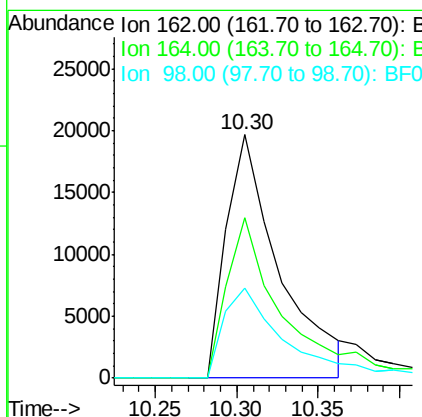
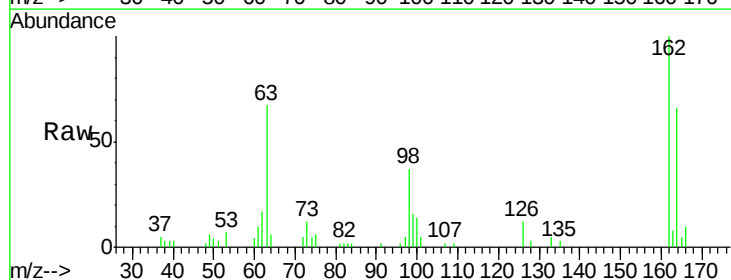
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 75703  
Ion Ratio Lower Upper  
93 100  
95 31.0 25.6 38.4  
123 9.8 8.9 13.3



#29  
2,4-Dichlorophenol  
Concen: 25.94 ng  
RT: 10.30 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion: 162 Resp: 44286  
Ion Ratio Lower Upper  
162 100  
164 66.1 43.8 83.8  
98 37.1 22.5 62.5

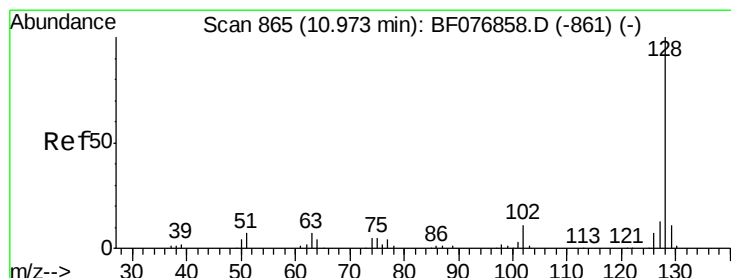
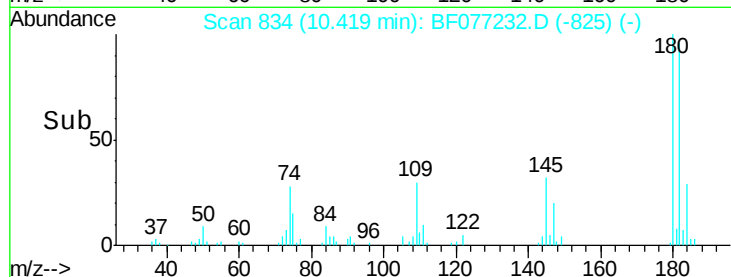
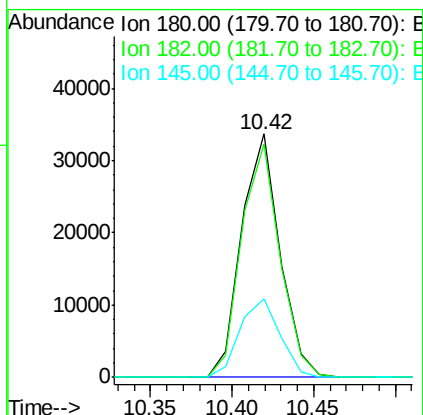
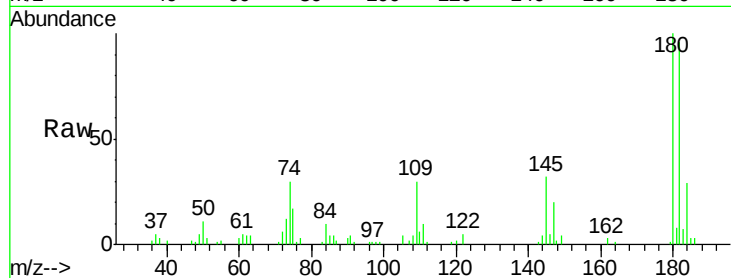




#30  
 1,2,4-Trichlorobenzene  
 Concen: 29.00 ng  
 RT: 10.42 min Scan# 834  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

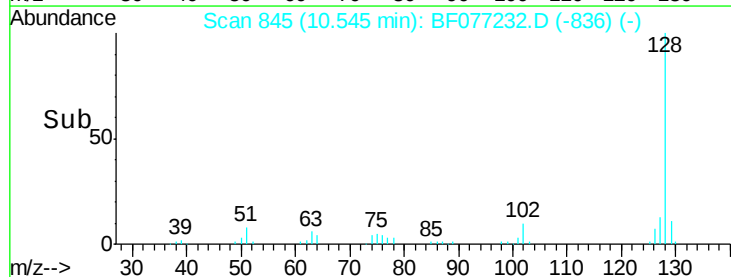
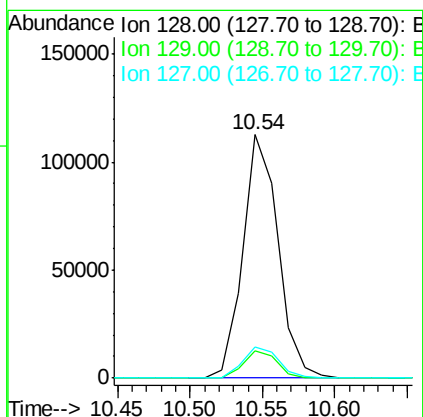
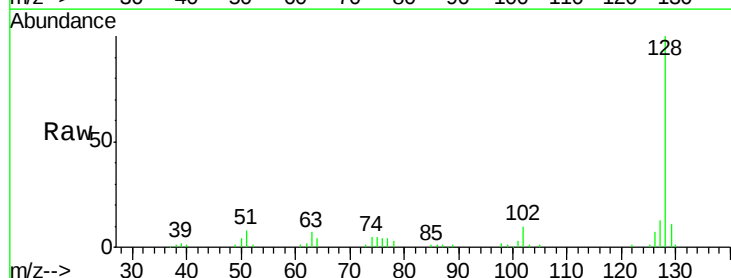
Instrument :  
 BNA\_F  
 ClientSampleId :

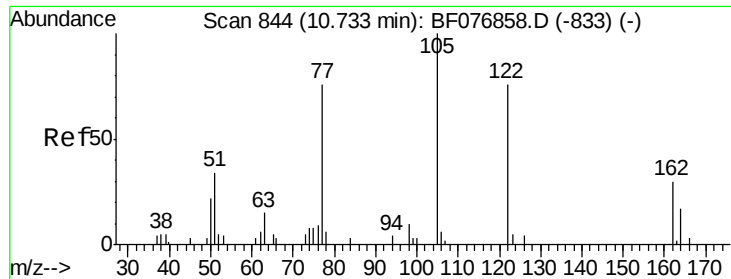
Tot Ion:180 Resp: 54988  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 73.6 110.4  
 145 32.0 26.6 39.8



#31  
 Naphthalene  
 Concen: 28.47 ng  
 RT: 10.54 min Scan# 845  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:128 Resp: 188825  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 9.0 13.6  
 127 12.7 10.2 15.2

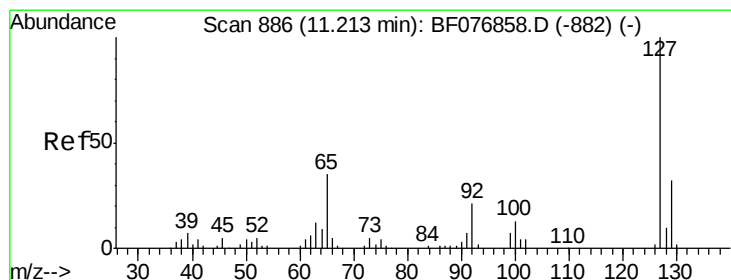
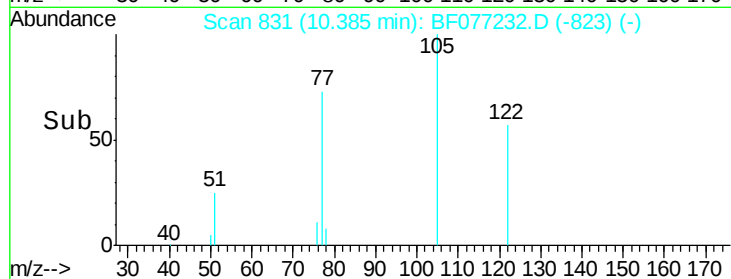
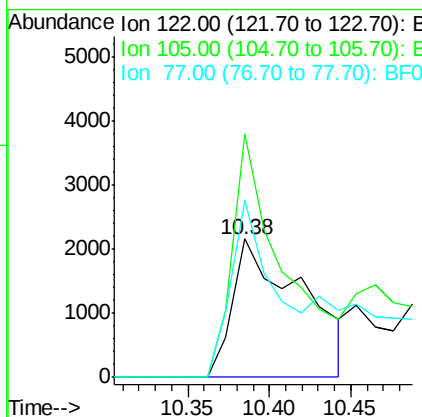
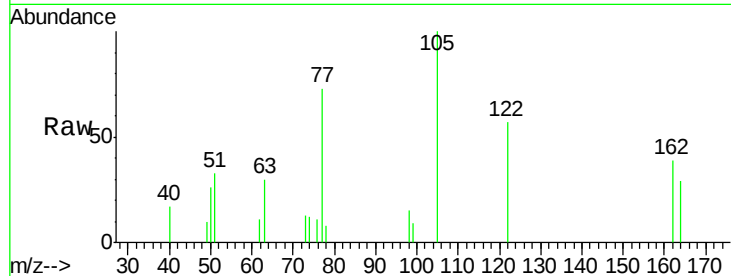




#32  
Benzoic acid  
Concen: 6.27 ng  
RT: 10.38 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

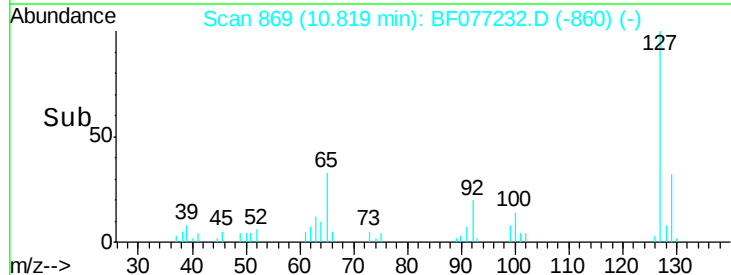
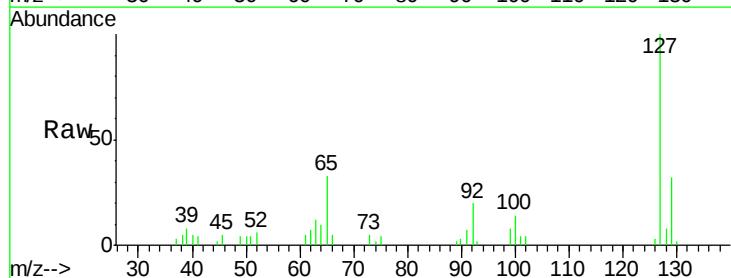
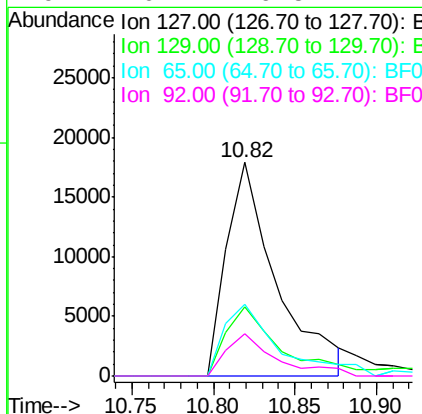
Instrument :  
BNA\_F  
ClientSampleId :

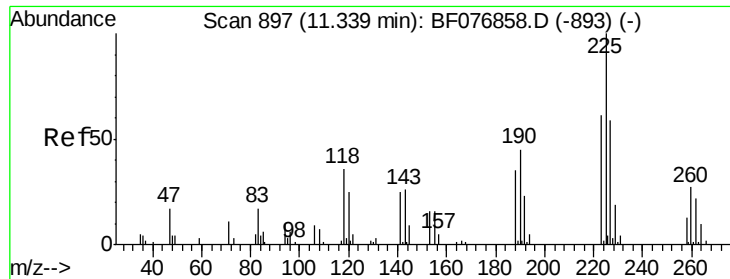
Tot Ion:122 Resp: 6359  
Ion Ratio Lower Upper  
122 100  
105 175.8 111.3 151.3#  
77 128.1 79.2 119.2#



#33  
4-Chloroaniline  
Concen: 14.14 ng  
RT: 10.82 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:127 Resp: 37907  
Ion Ratio Lower Upper  
127 100  
129 32.4 25.3 37.9  
65 33.4 27.8 41.6  
92 20.1 16.5 24.7

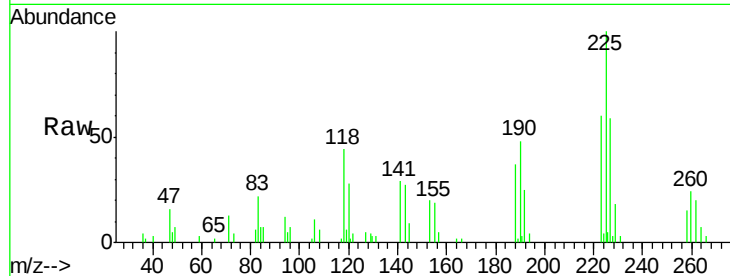




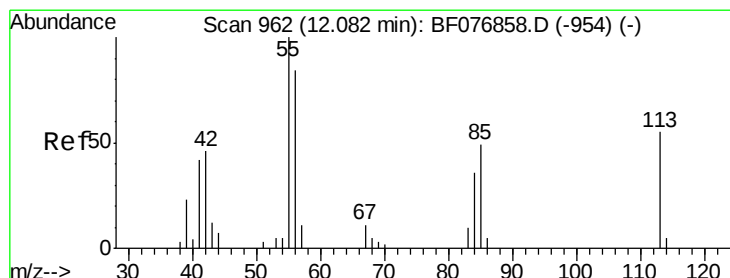
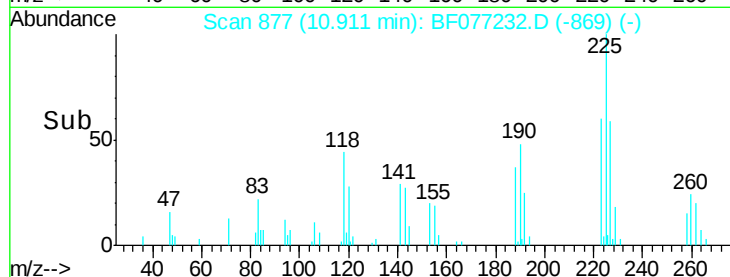
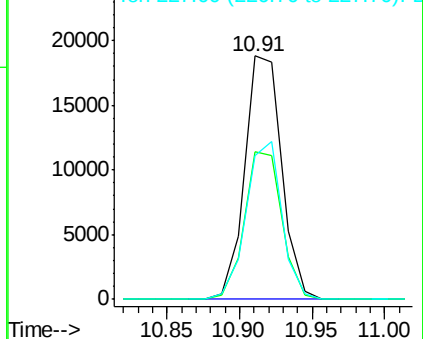
#34  
Hexachlorobutadiene  
Concen: 29.46 ng  
RT: 10.91 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:225 Resp: 33148  
Ion Ratio Lower Upper  
225 100  
223 60.5 49.1 73.7  
227 58.8 47.5 71.3

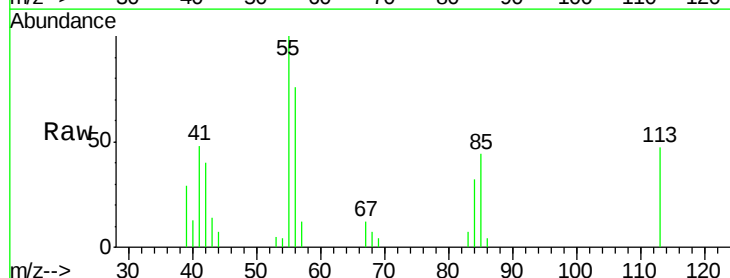


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

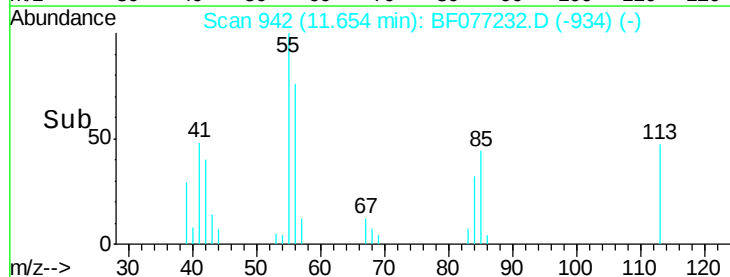
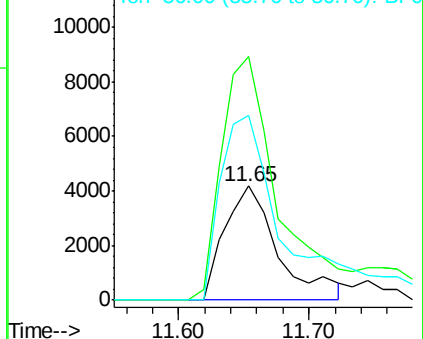


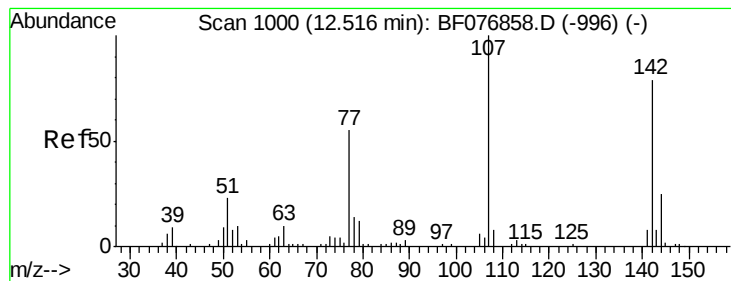
#35  
Caprolactam  
Concen: 23.63 ng  
RT: 11.65 min Scan# 942  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:113 Resp: 11879  
Ion Ratio Lower Upper  
113 100  
55 213.6 162.1 202.1#  
56 162.0 133.7 173.7



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: 26.96 ng

RT: 12.12 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

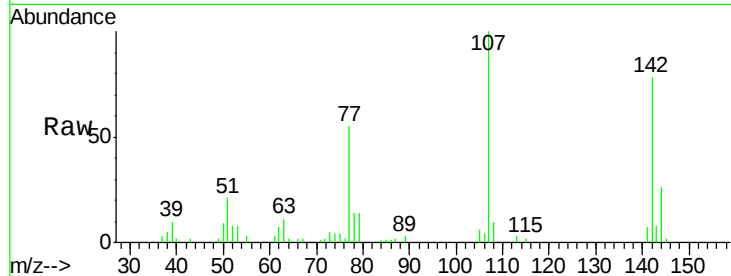
Tot Ion:107 Resp: 52699

Ion Ratio Lower Upper

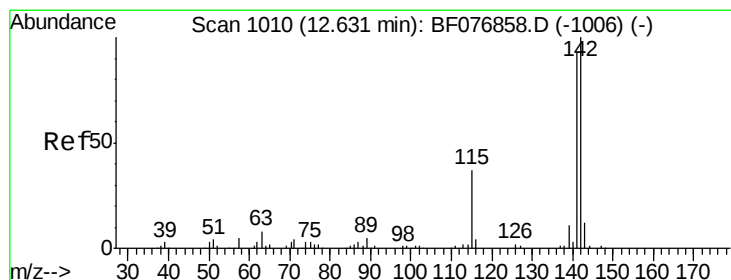
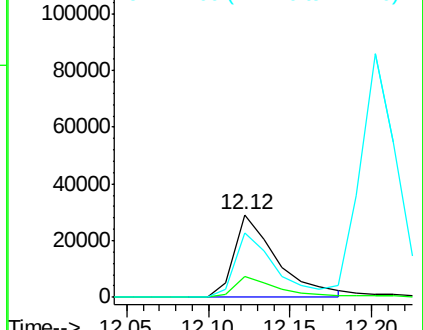
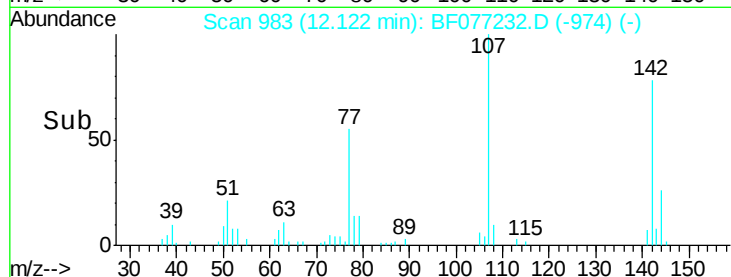
107 100

144 25.9 20.0 30.0

142 78.4 63.5 95.3



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 29.52 ng

RT: 12.20 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

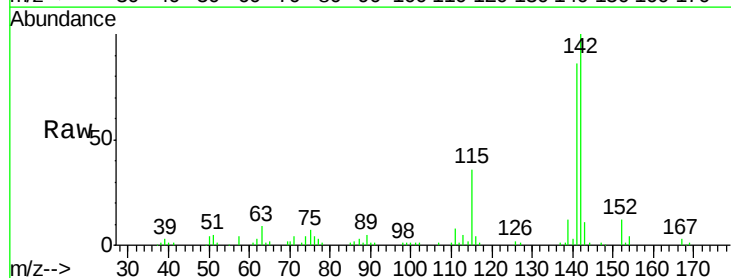
Tgt Ion:142 Resp: 133725

Ion Ratio Lower Upper

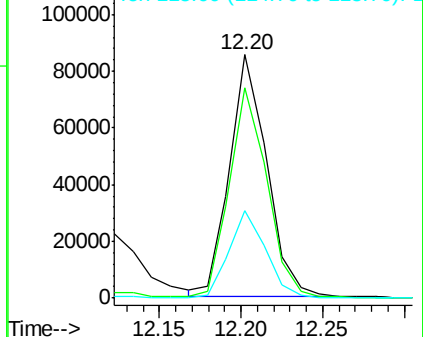
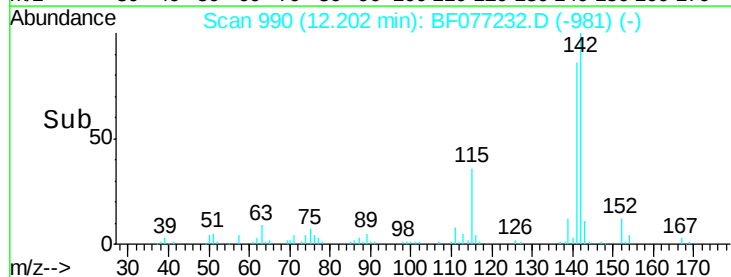
142 100

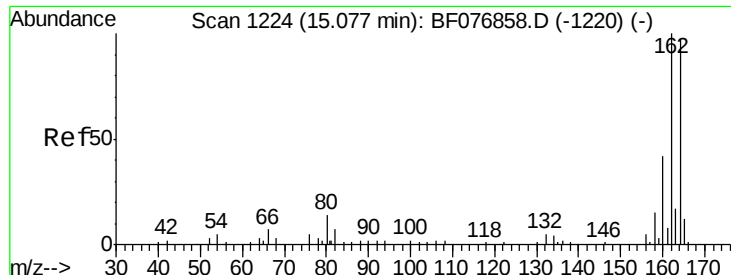
141 86.3 74.5 111.7

115 36.0 29.7 44.5



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

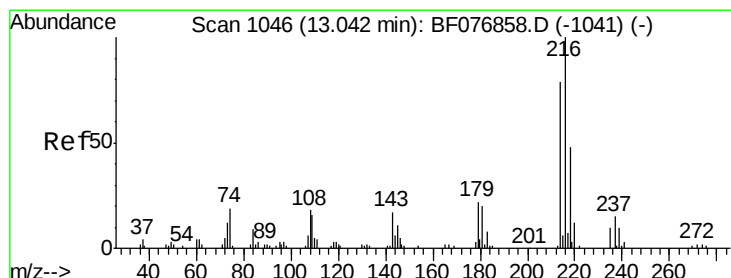
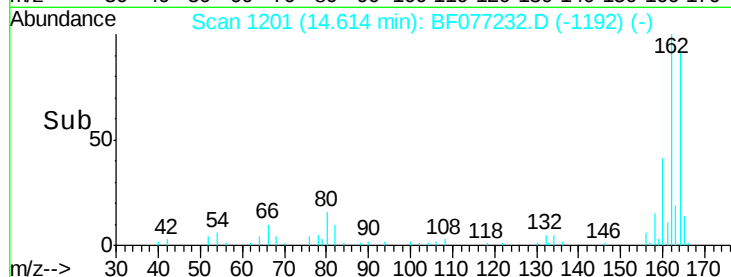
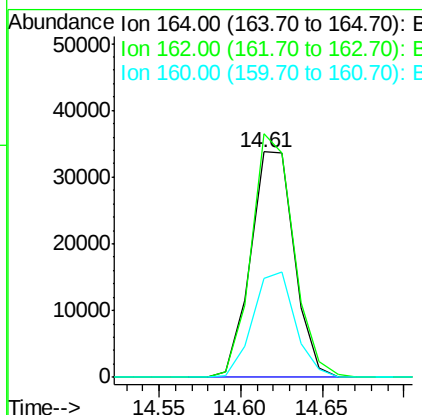
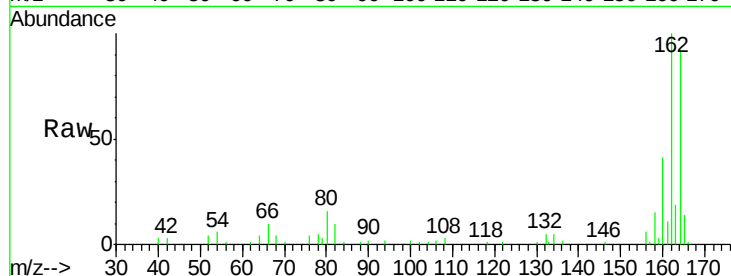




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.61 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

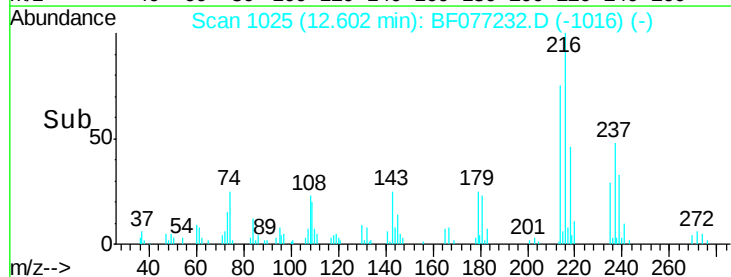
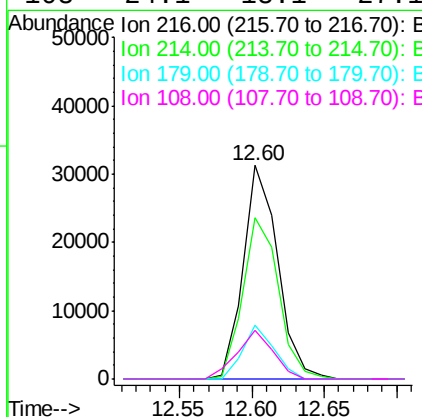
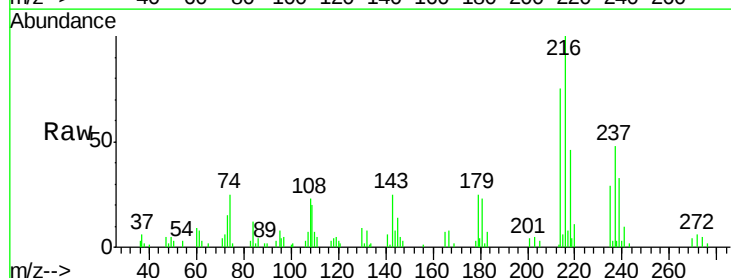
Instrument :  
 BNA\_F  
 ClientSampled :

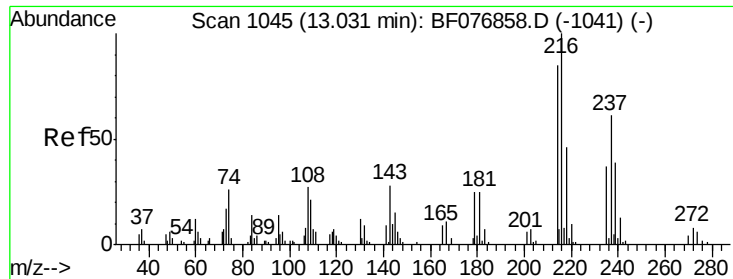
Tot Ion:164 Resp: 62746  
 Ion Ratio Lower Upper  
 164 100  
 162 108.2 82.4 123.6  
 160 43.9 34.8 52.2



#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 33.35 ng  
 RT: 12.60 min Scan# 1025  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:216 Resp: 51730  
 Ion Ratio Lower Upper  
 216 100  
 214 77.8 64.9 97.3  
 179 23.0 18.6 28.0  
 108 24.1 18.1 27.1





#40

Hexachlorocyclopentadiene

Concen: 59.40 ng

RT: 12.59 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

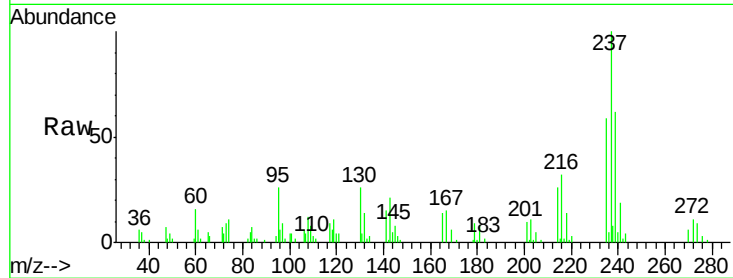
Tot Ion:237 Resp: 48558

Ion Ratio Lower Upper

237 100

235 58.8 40.4 80.4

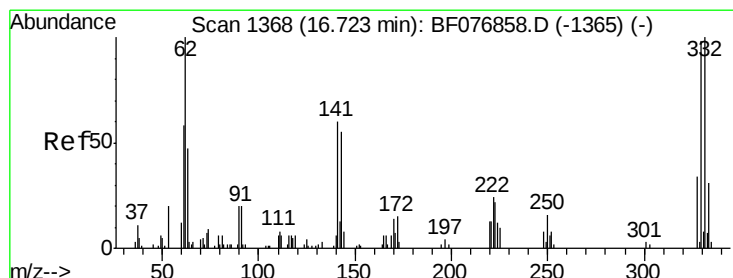
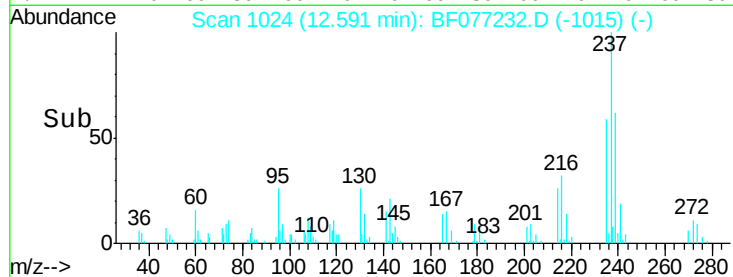
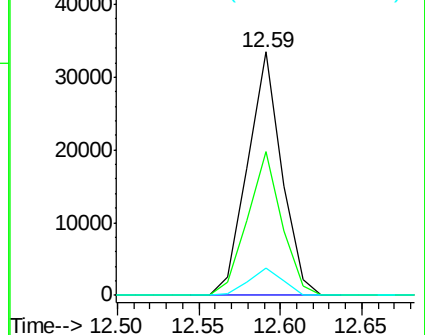
272 11.0 0.0 33.2



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 81.96 ng

RT: 16.37 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

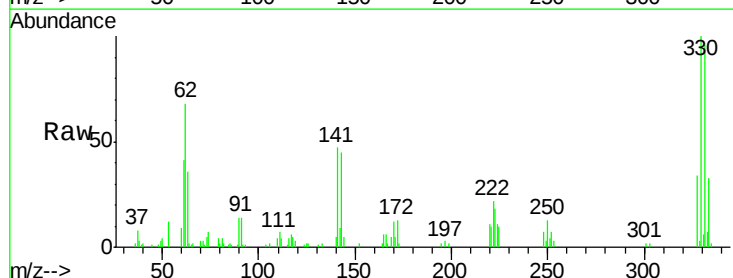
Tgt Ion:330 Resp: 41744

Ion Ratio Lower Upper

330 100

332 93.2 77.8 116.6

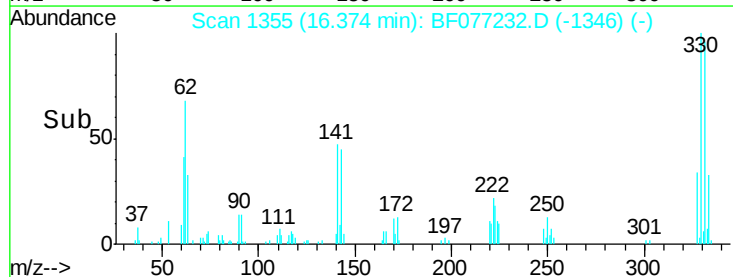
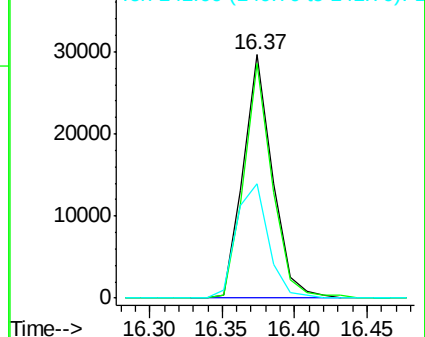
141 51.5 38.5 57.7

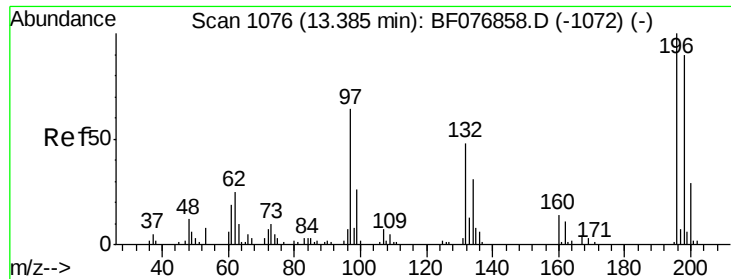


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

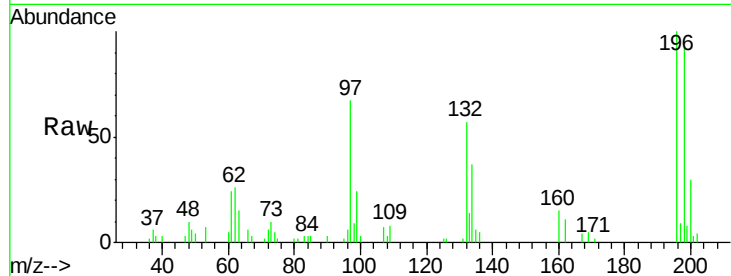




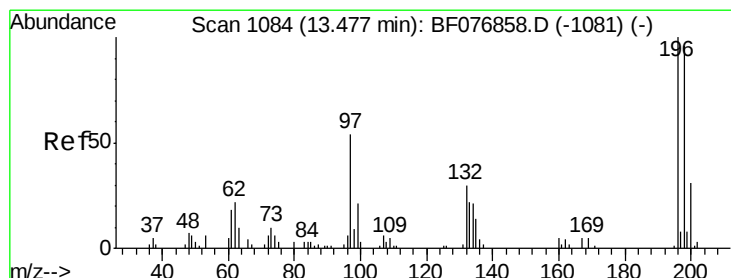
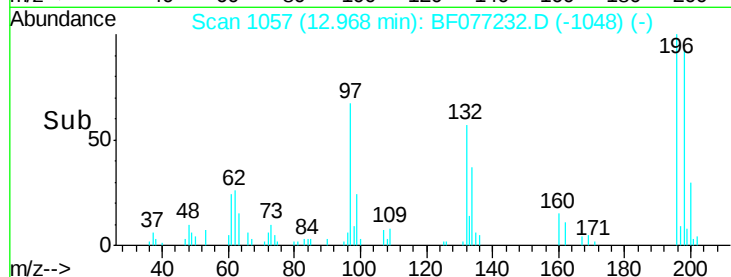
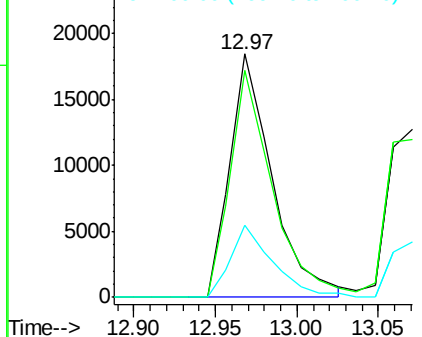
#42  
2,4,6-Trichlorophenol  
Concen: 29.31 ng  
RT: 12.97 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 33129  
Ion Ratio Lower Upper  
196 100  
198 93.0 72.0 108.0  
200 29.8 23.4 35.2

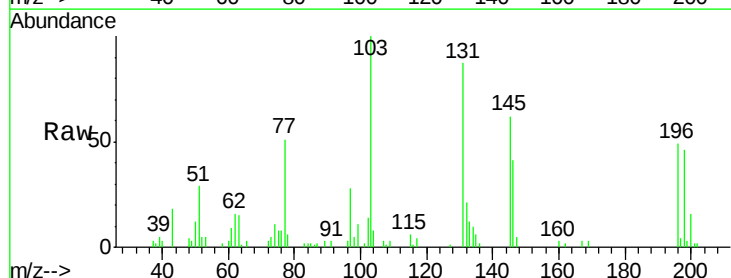


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

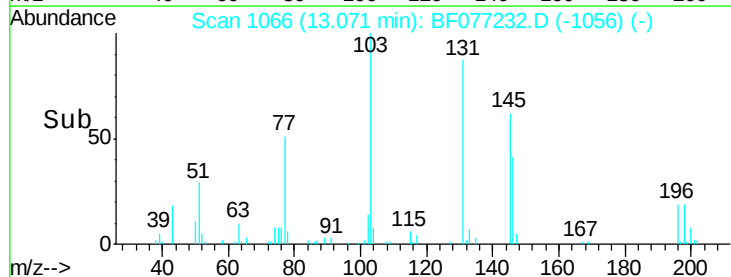
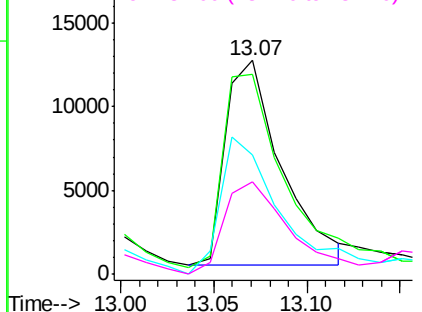


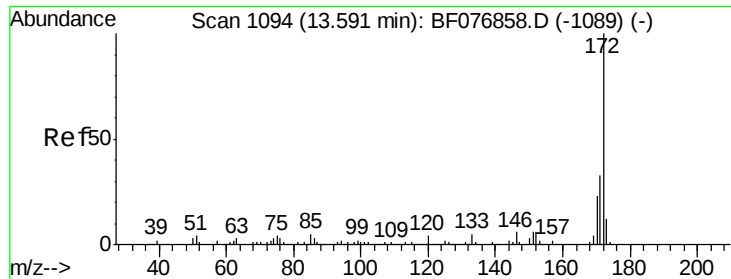
#43  
2,4,5-Trichlorophenol  
Concen: 22.28 ng  
RT: 13.07 min Scan# 1066  
Delta R.T. 0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:196 Resp: 25689  
Ion Ratio Lower Upper  
196 100  
198 93.4 76.6 115.0  
97 55.9 43.4 65.0  
132 43.3 23.7 35.5#



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

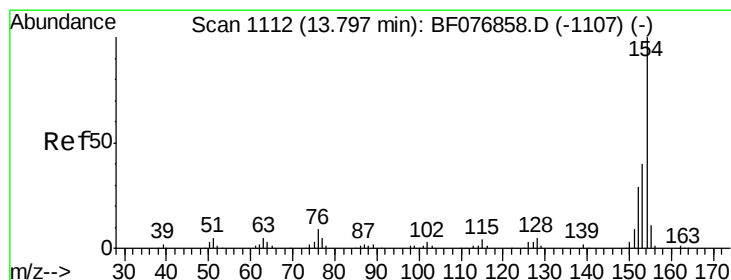
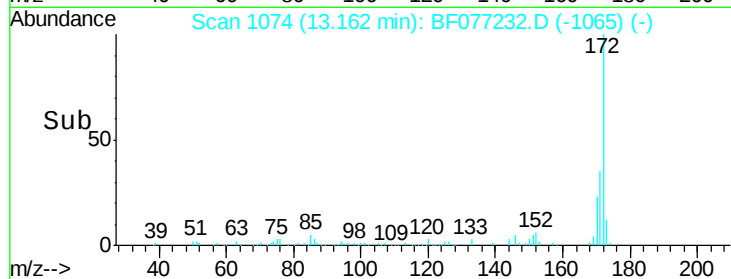
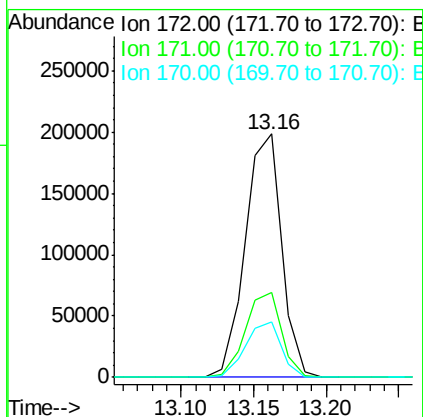
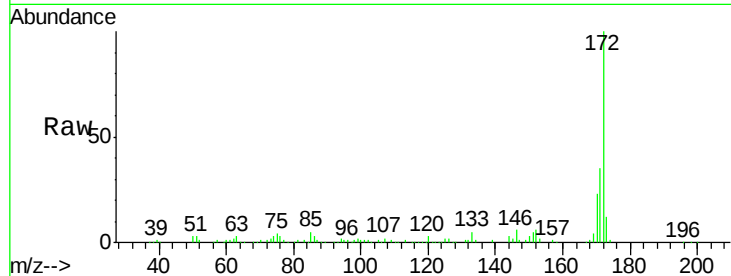




#44  
2-Fluorobiphenyl  
Concen: 83.52 ng  
RT: 13.16 min Scan# 1074  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

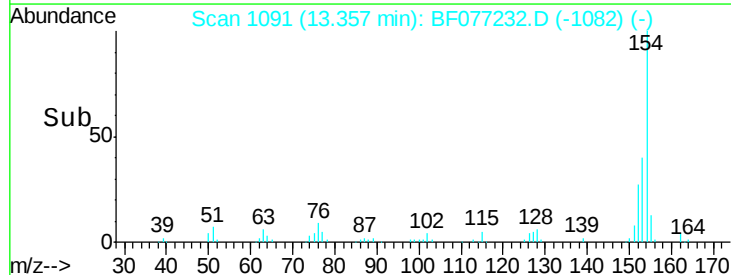
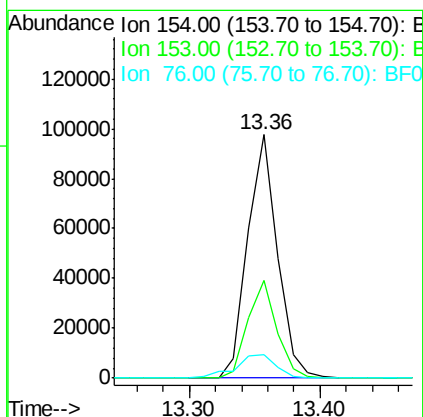
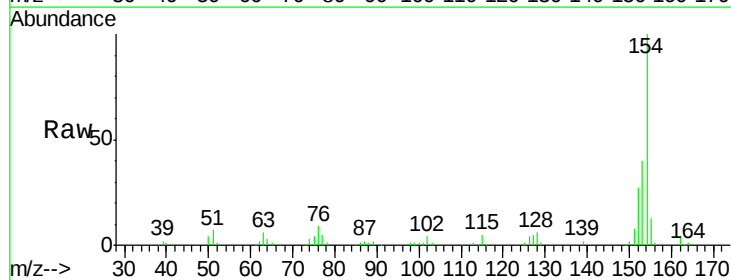
Instrument :  
BNA\_F  
ClientSampled :

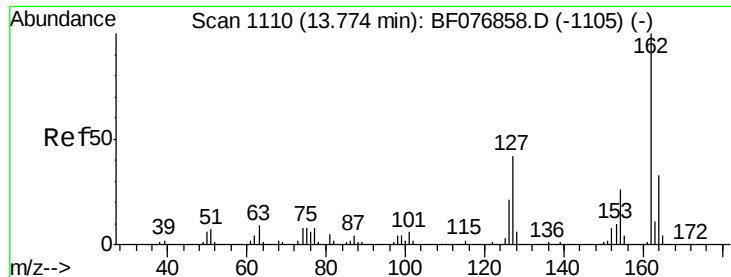
Tot Ion:172 Resp: 344345  
Ion Ratio Lower Upper  
172 100  
171 34.9 26.6 40.0  
170 23.0 18.0 27.0



#45  
1,1'-Biphenyl  
Concen: 33.41 ng  
RT: 13.36 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:154 Resp: 155430  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.2 60.2  
76 9.4 0.0 29.0

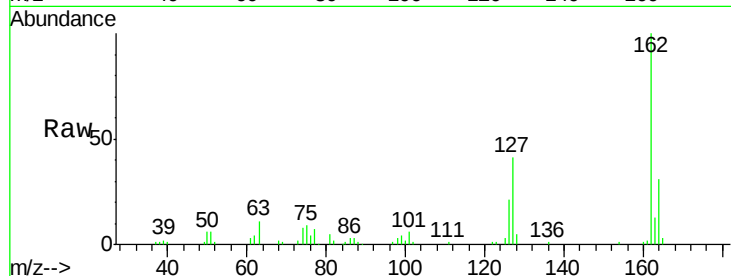




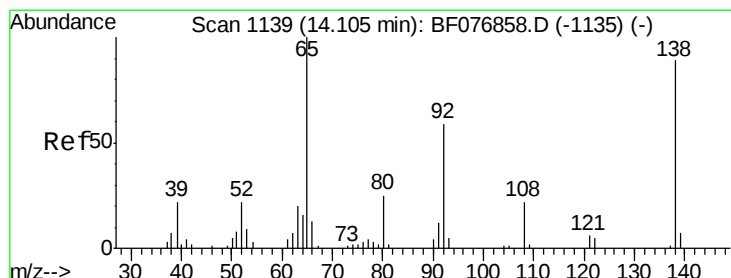
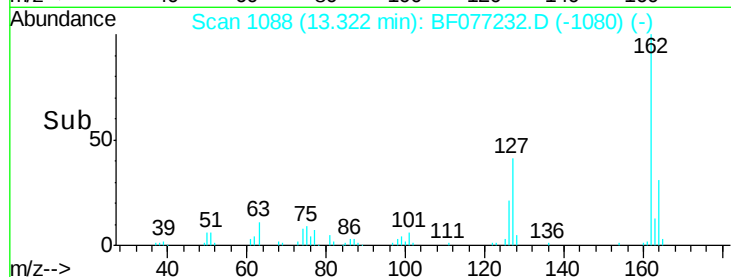
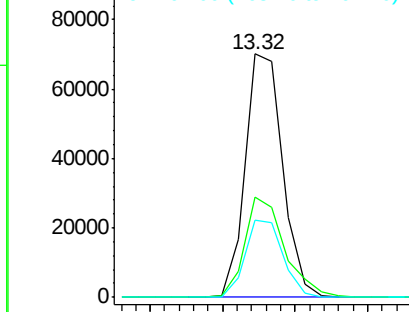
#46  
2-Chloronaphthalene  
Concen: 32.66 ng  
RT: 13.32 min Scan# 1088  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:162 Resp: 125024  
Ion Ratio Lower Upper  
162 100  
127 41.1 33.8 50.6  
164 31.5 26.8 40.2

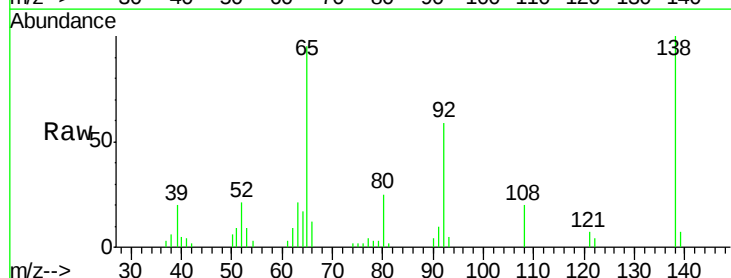


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

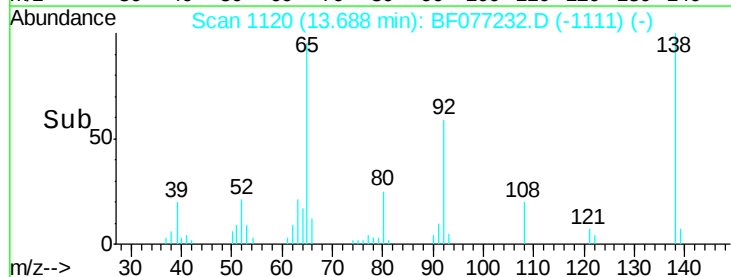
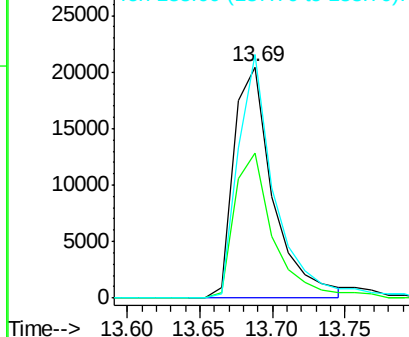


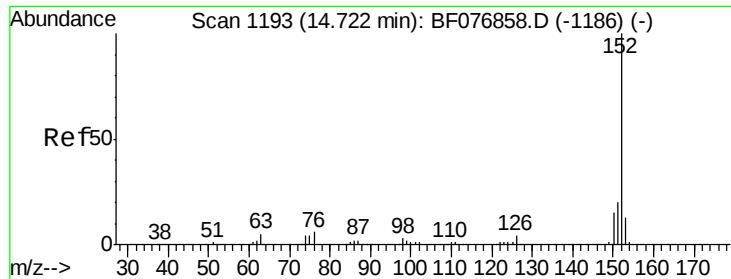
#47  
2-Nitroaniline  
Concen: 33.23 ng  
RT: 13.69 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion: 65 Resp: 38586  
Ion Ratio Lower Upper  
65 100  
92 62.7 47.3 70.9  
138 105.4 71.4 107.2



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 30.96 ng

RT: 14.27 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

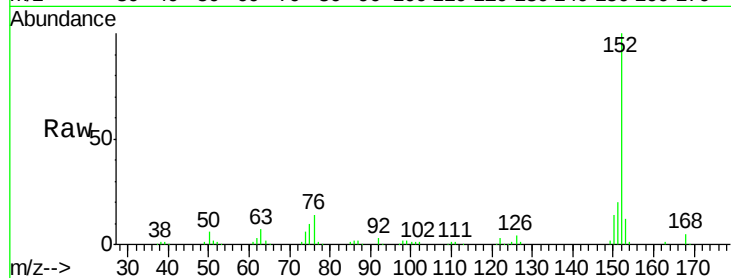
Tot Ion:152 Resp: 199895

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

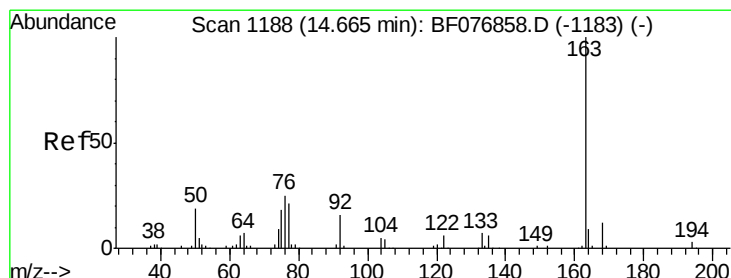
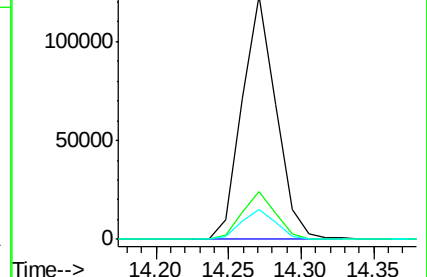
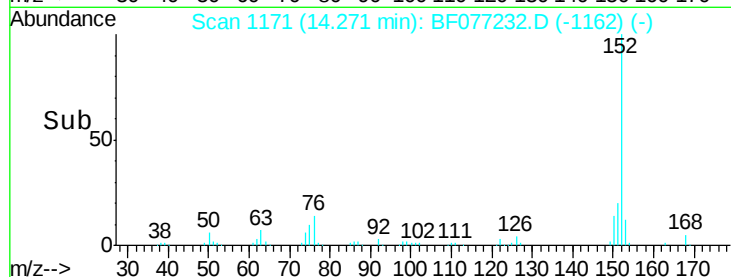
153 12.4 10.2 15.4



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: 33.52 ng

RT: 14.24 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

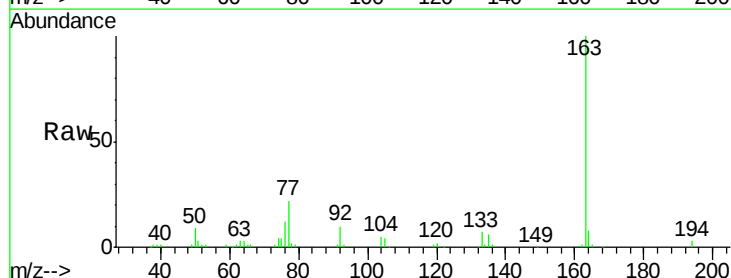
Tgt Ion:163 Resp: 149177

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

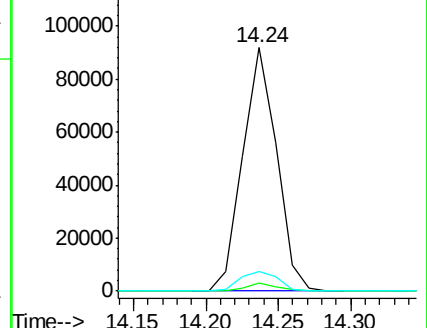
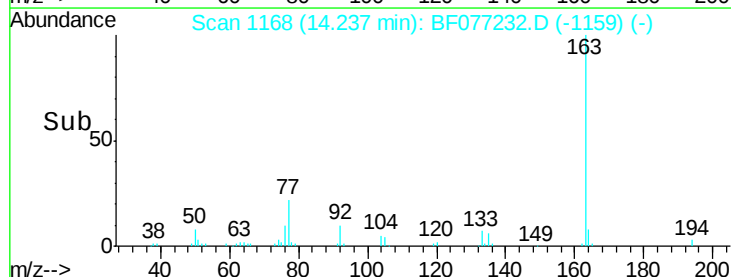
164 8.2 7.5 11.3

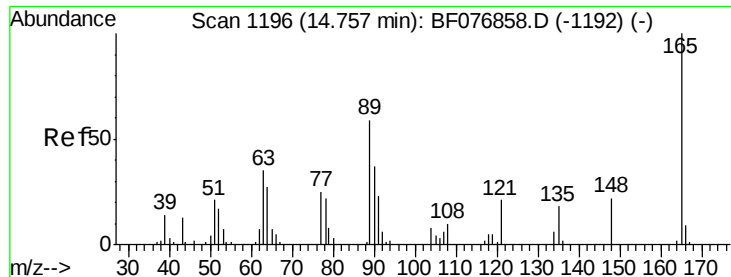


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

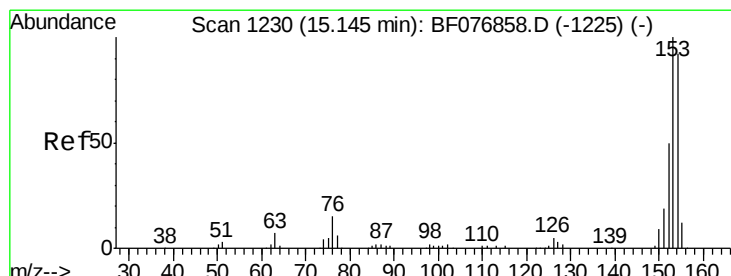
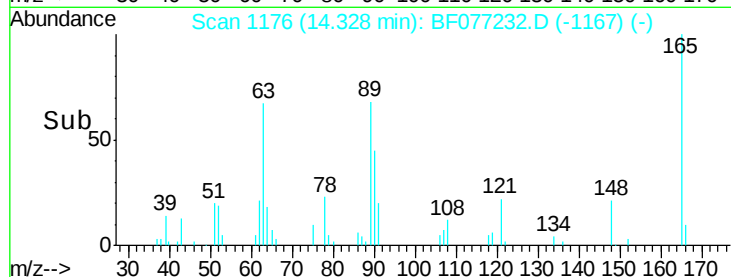
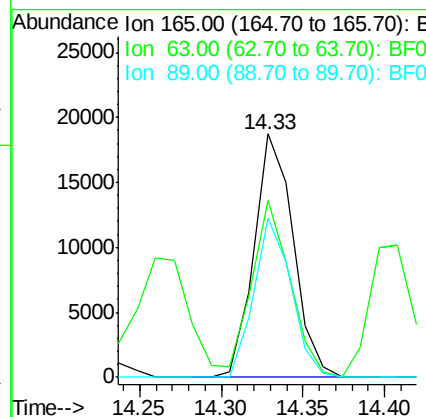
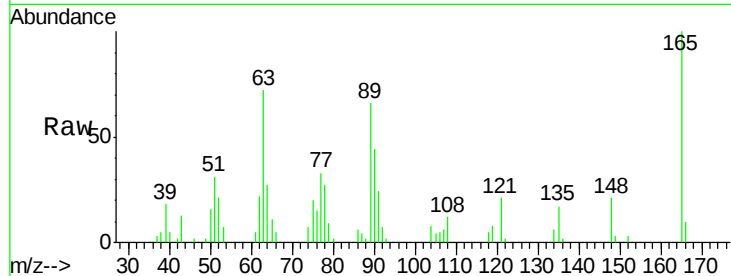




#50  
2,6-Dinitrotoluene  
Concen: 35.10 ng  
RT: 14.33 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

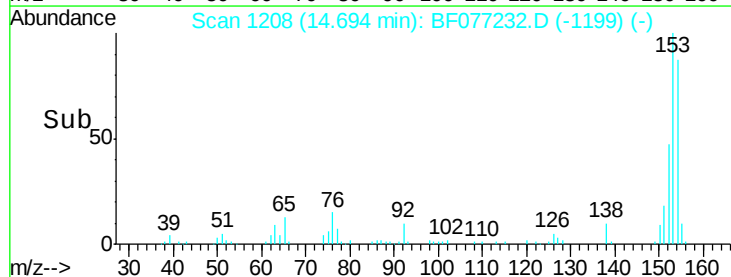
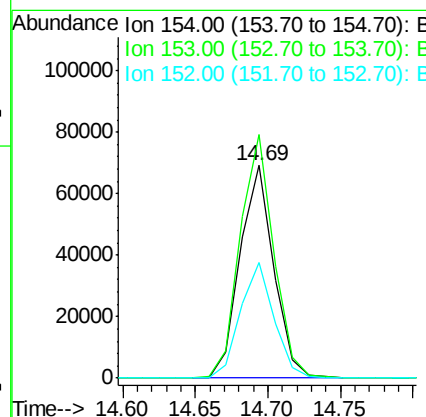
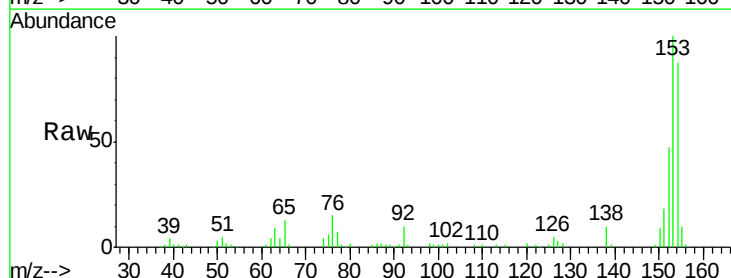
Instrument :  
BNA\_F  
ClientSampleId :

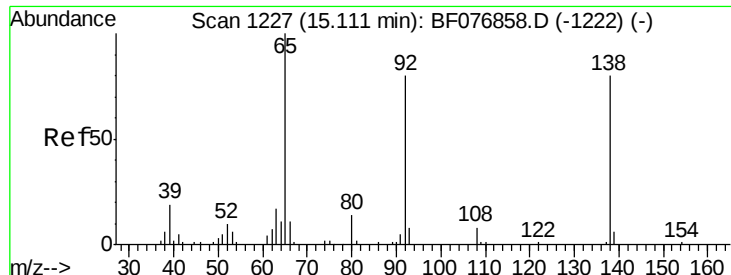
Tot Ion:165 Resp: 31204  
Ion Ratio Lower Upper  
165 100  
63 72.5 48.1 72.1#  
89 65.6 47.2 70.8



#51  
Acenaphthene  
Concen: 30.31 ng  
RT: 14.69 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:154 Resp: 111045  
Ion Ratio Lower Upper  
154 100  
153 114.7 87.0 130.6  
152 54.4 43.5 65.3





#52

3-Nitroaniline

Concen: 19.62 ng

RT: 14.68 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

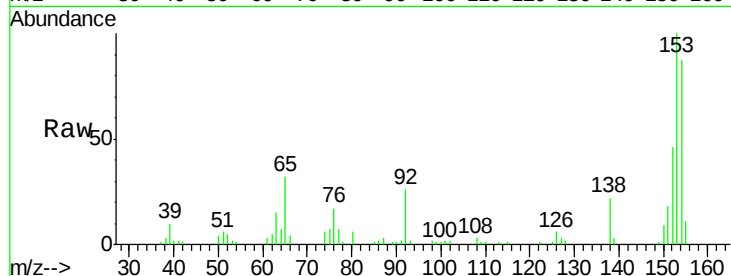
Tot Ion:138 Resp: 21488

Ion Ratio Lower Upper

138 100

108 12.8 8.3 12.5#

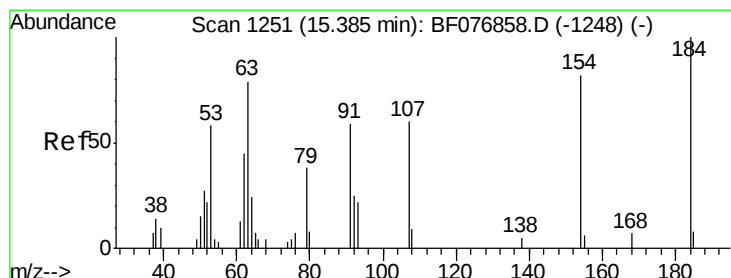
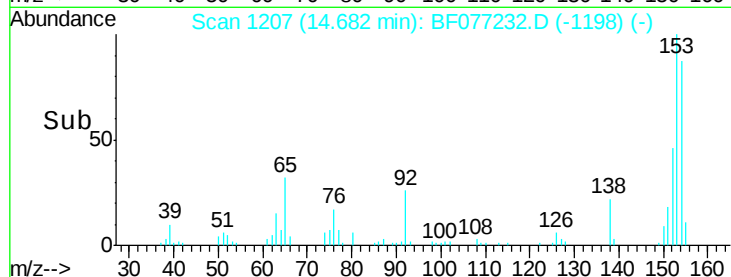
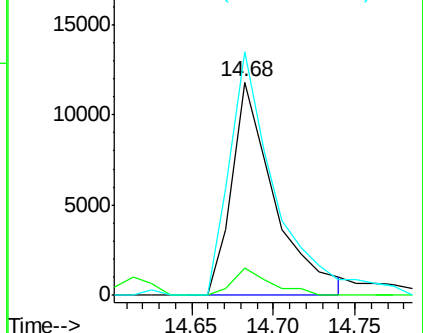
92 114.3 80.9 121.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#53

2,4-Dinitrophenol

Concen: 42.14 ng

RT: 14.98 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

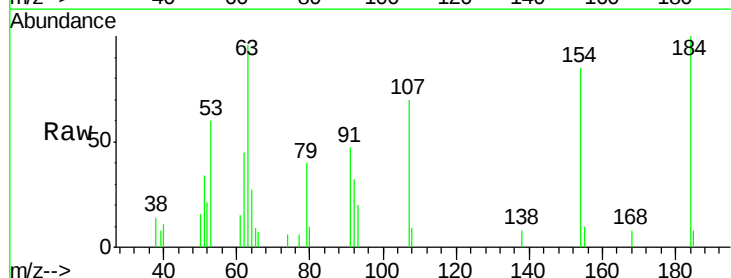
Tgt Ion:184 Resp: 14861

Ion Ratio Lower Upper

184 100

63 96.0 63.0 94.6#

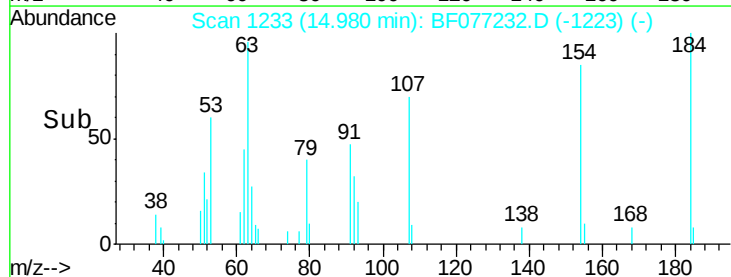
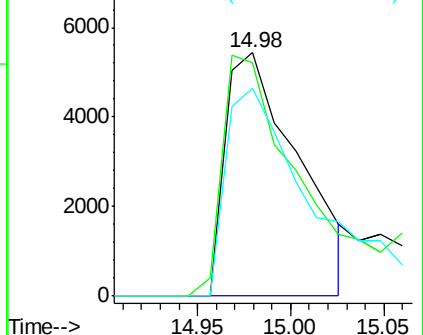
154 85.3 65.5 98.3

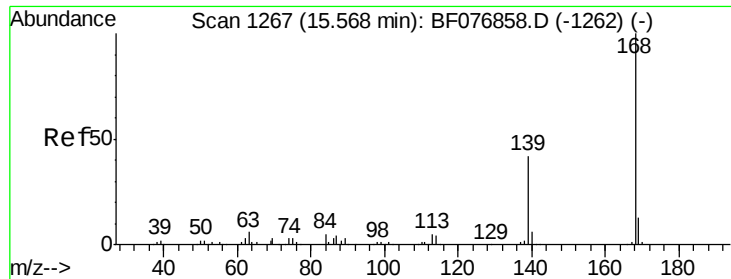


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

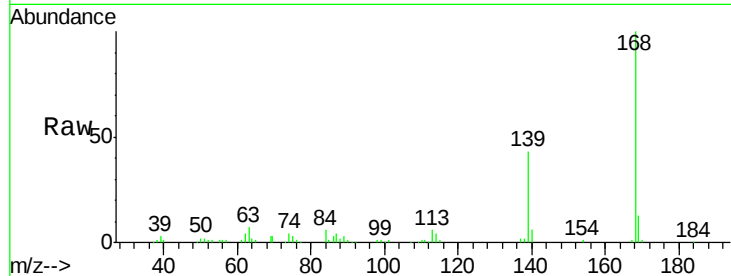




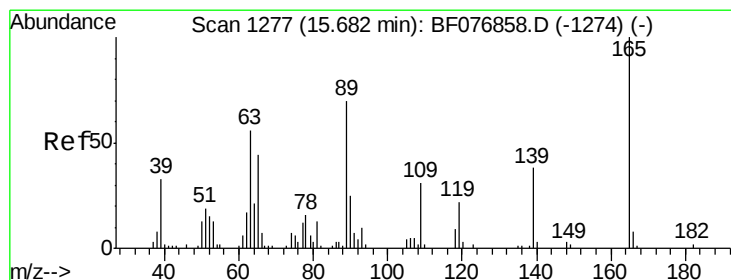
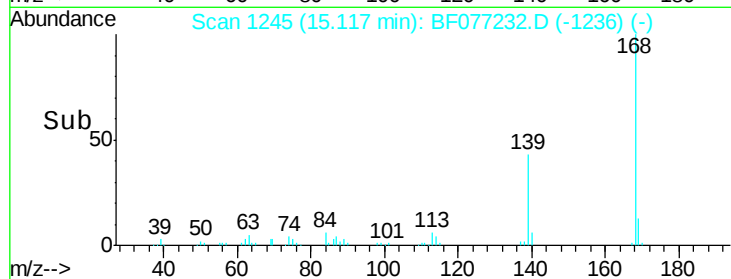
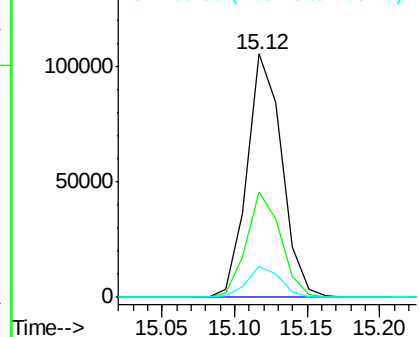
#54  
Dibenzenofuran  
Concen: 32.86 ng  
RT: 15.12 min Scan# 1245  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 175376  
Ion Ratio Lower Upper  
168 100  
139 43.3 33.4 50.2  
169 12.8 10.6 15.8

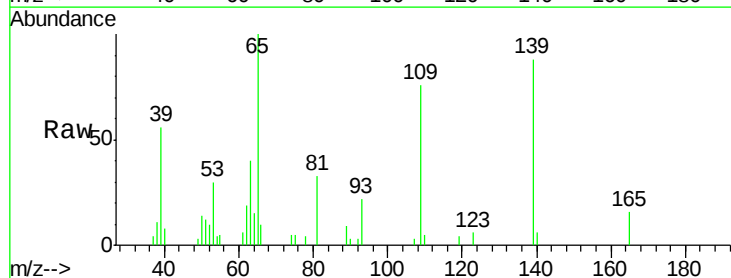


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

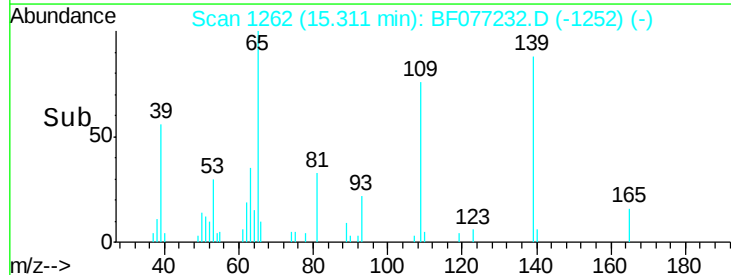
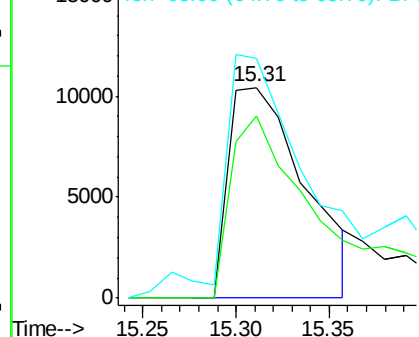


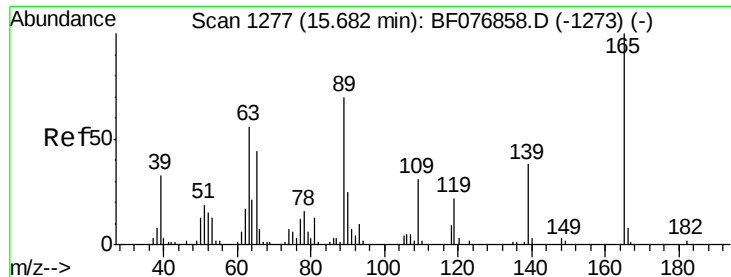
#55  
4-Nitrophenol  
Concen: 42.62 ng  
RT: 15.31 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:139 Resp: 29728  
Ion Ratio Lower Upper  
139 100  
109 86.3 61.0 101.0  
65 113.6 96.6 136.6



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

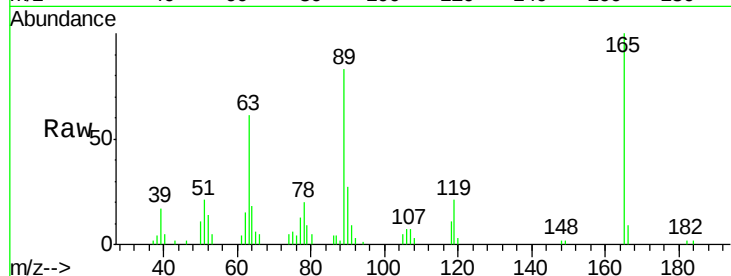




#56  
2,4-Dinitrotoluene  
Concen: 32.42 ng  
RT: 15.27 min Scan# 1258  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 165     | 100  |       |       |       |
| 63      | 60.6 | 44.8  | 67.2  |       |
| 89      | 82.7 | 56.2  | 84.2  |       |
| 182     | 2.0  | 1.5   | 2.3   |       |

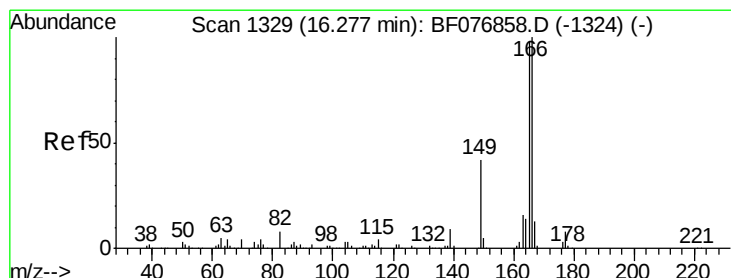
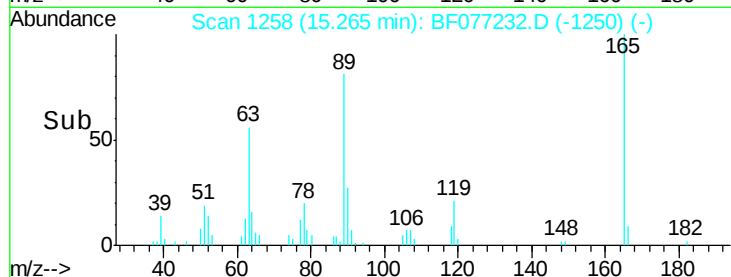
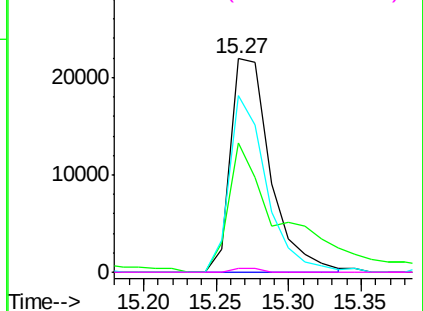


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

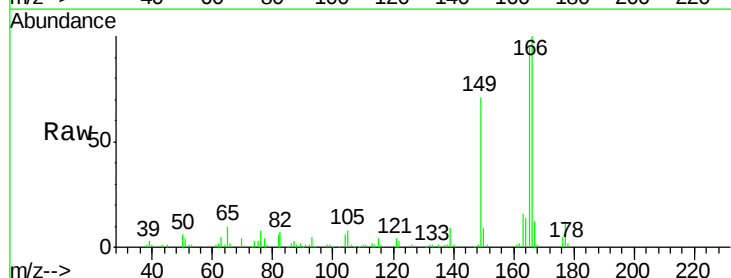
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57  
Fluorene  
Concen: 32.13 ng  
RT: 15.89 min Scan# 1313  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

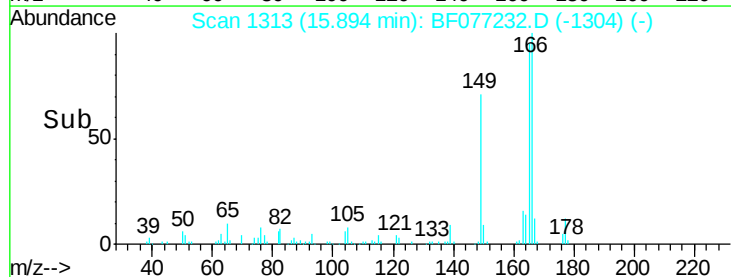
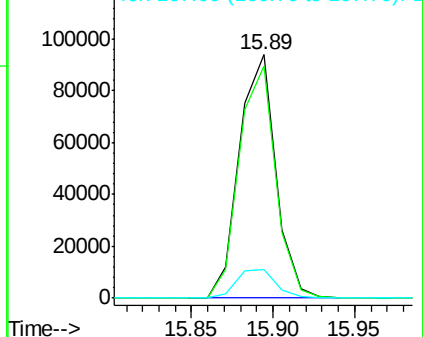
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 166     | 100  |       |       |       |
| 165     | 95.1 | 78.5  | 117.7 |       |
| 167     | 11.9 | 10.4  | 15.6  |       |

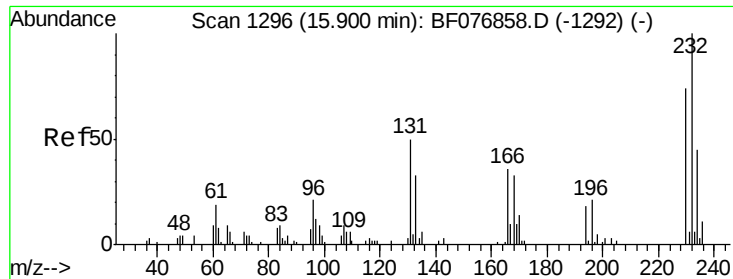


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

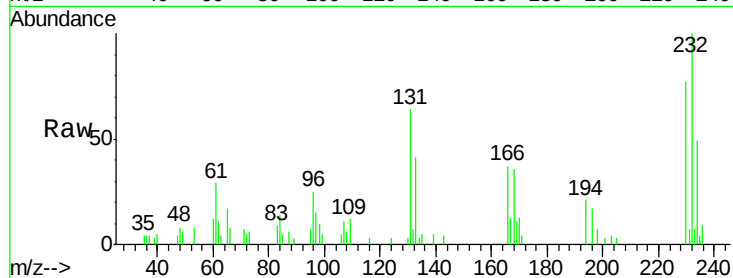




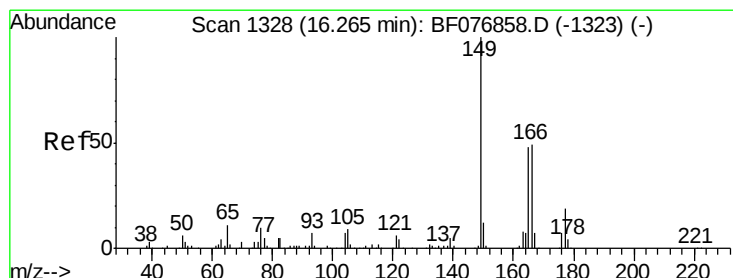
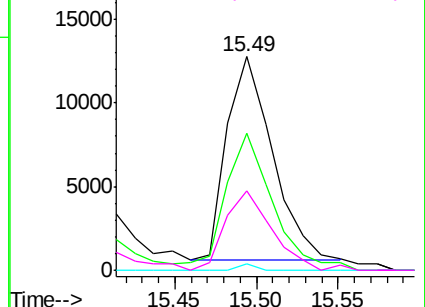
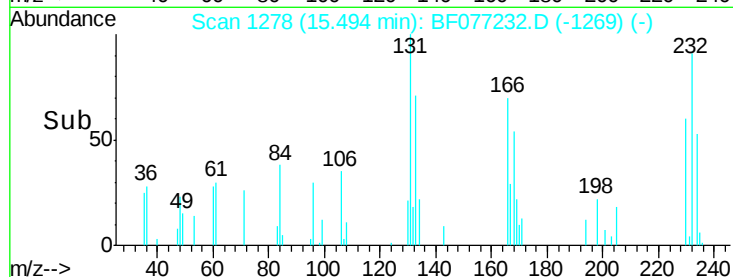
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 27.86 ng  
 RT: 15.49 min Scan# 1278  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:232 Resp: 23386  
 Ion Ratio Lower Upper  
 232 100  
 131 59.6 45.0 67.6  
 130 1.2 2.6 3.8#  
 166 39.7 30.9 46.3

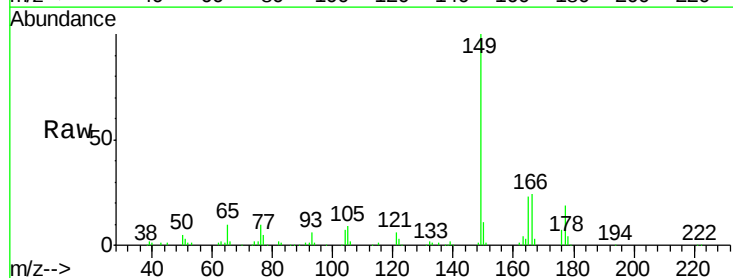


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

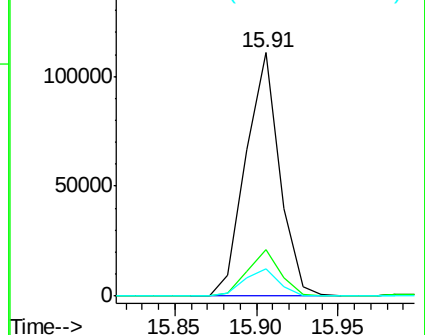
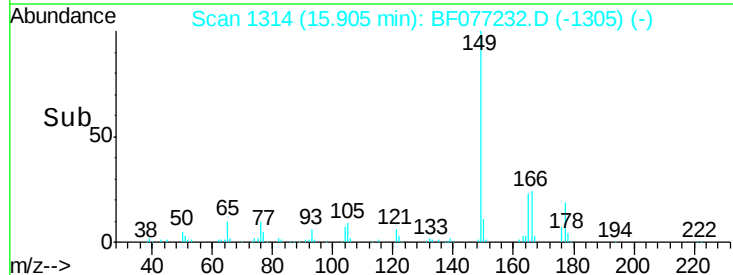


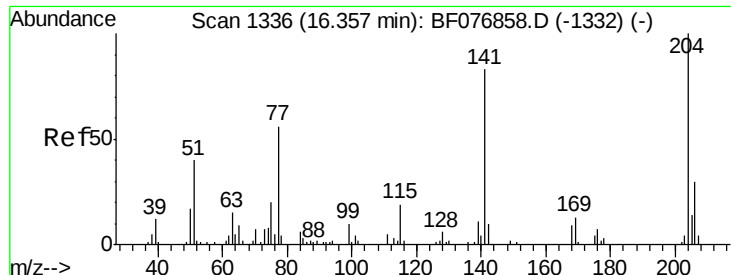
#59  
 Diethylphthalate  
 Concen: 35.28 ng  
 RT: 15.91 min Scan# 1314  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:149 Resp: 158645  
 Ion Ratio Lower Upper  
 149 100  
 177 19.1 15.0 22.6  
 150 11.2 9.4 14.0



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

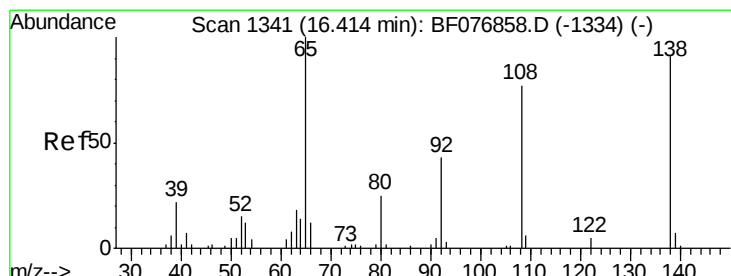
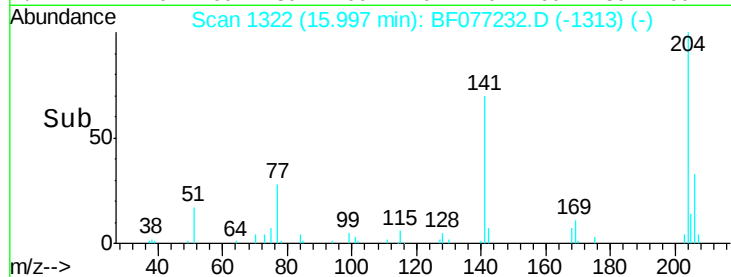
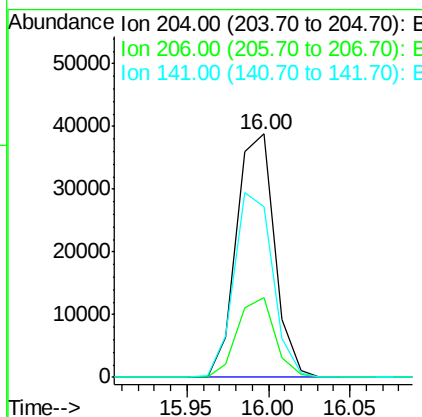
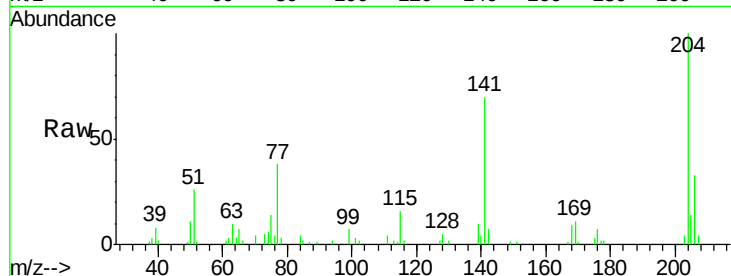




#60  
 4-Chlorophenyl-phenylether  
 Concen: 33.89 ng  
 RT: 16.00 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

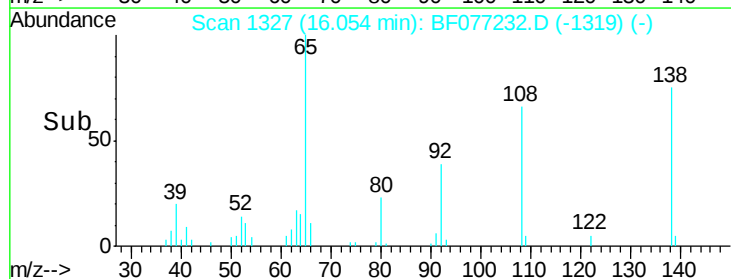
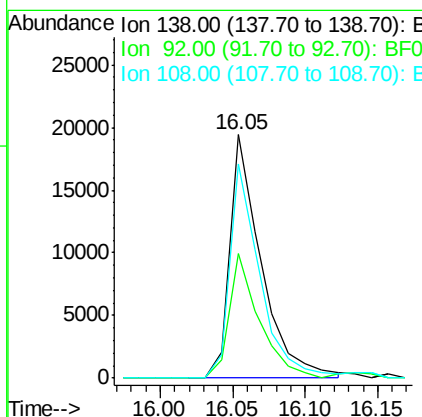
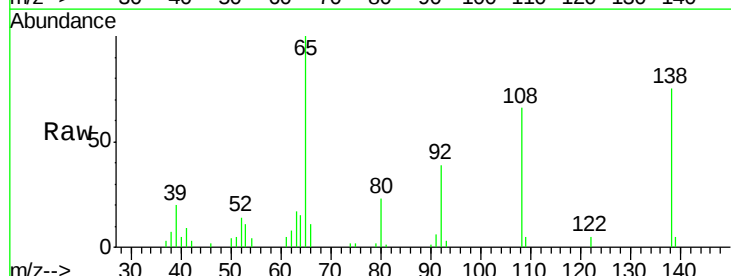
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:204 Resp: 62695  
 Ion Ratio Lower Upper  
 204 100  
 206 32.8 24.2 36.2  
 141 69.9 66.7 100.1



#61  
 4-Nitroaniline  
 Concen: 26.62 ng  
 RT: 16.05 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:138 Resp: 29099  
 Ion Ratio Lower Upper  
 138 100  
 92 51.3 26.7 66.7  
 108 88.1 64.5 104.5





#62

Azobenzene

Concen: 34.49 ng

RT: 16.28 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 161598

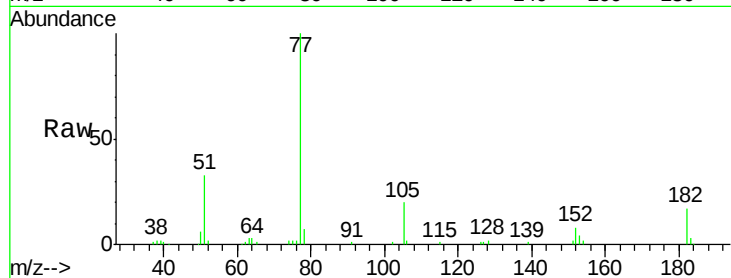
Ion Ratio Lower Upper

77 100

182 17.1 2.0 42.0

105 20.2 2.3 42.3

51 32.9 10.7 50.7

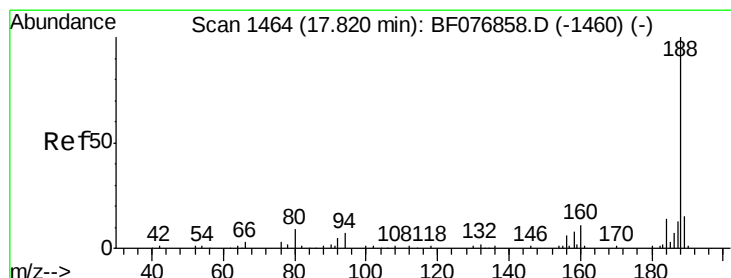
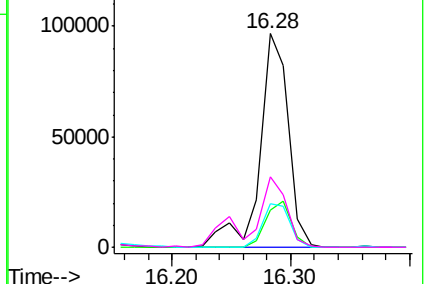
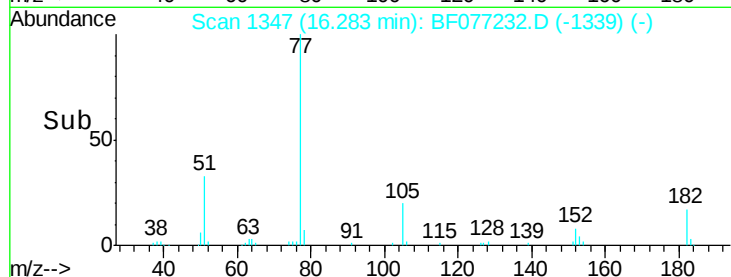


Abundance Ion 77.00 (76.70 to 77.70): BF077232.D (-1339) (-)

Ion 182.00 (181.70 to 182.70): BF077232.D (-1339) (-)

Ion 105.00 (104.70 to 105.70): BF077232.D (-1339) (-)

Ion 51.00 (50.70 to 51.70): BF077232.D (-1339) (-)



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

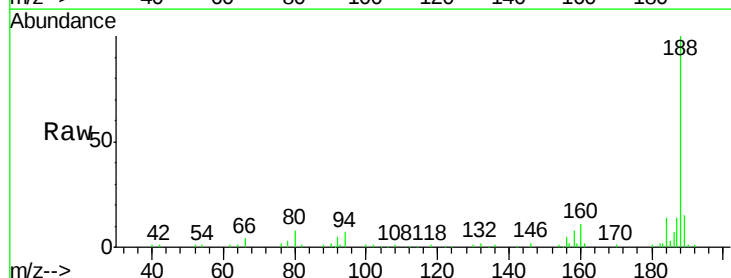
Tgt Ion: 188 Resp: 111895

Ion Ratio Lower Upper

188 100

94 7.3 6.0 9.0

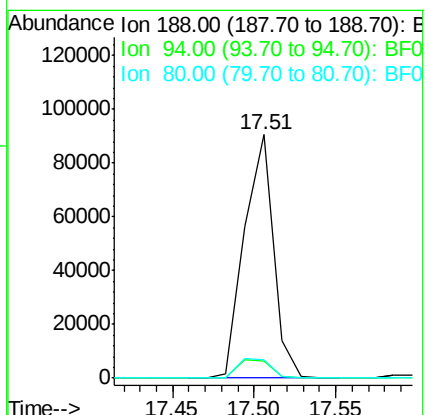
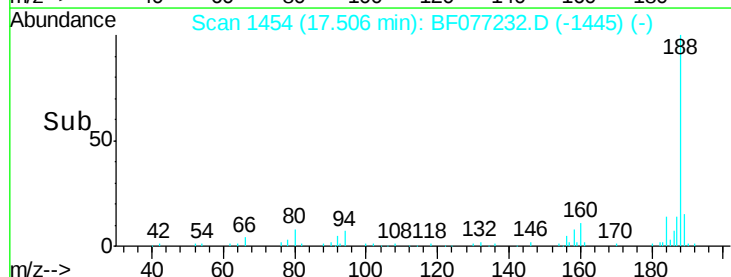
80 7.6 6.9 10.3

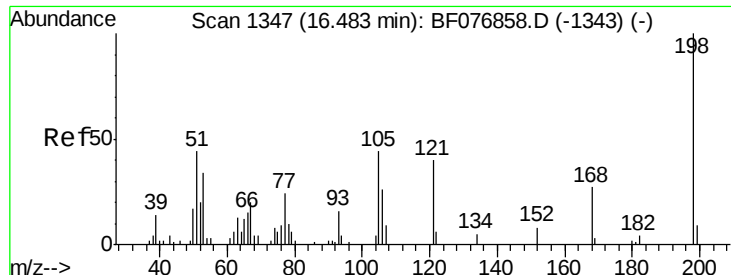


Abundance Ion 188.00 (187.70 to 188.70): BF077232.D (-1445) (-)

Ion 94.00 (93.70 to 94.70): BF077232.D (-1445) (-)

Ion 80.00 (79.70 to 80.70): BF077232.D (-1445) (-)

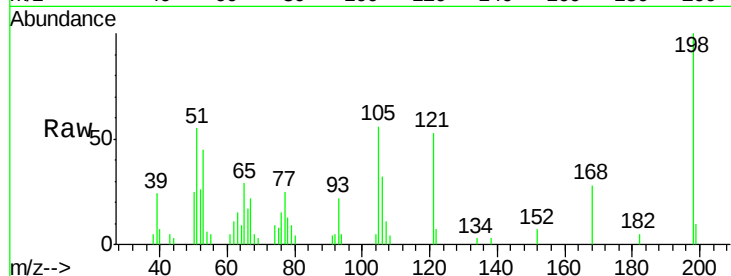




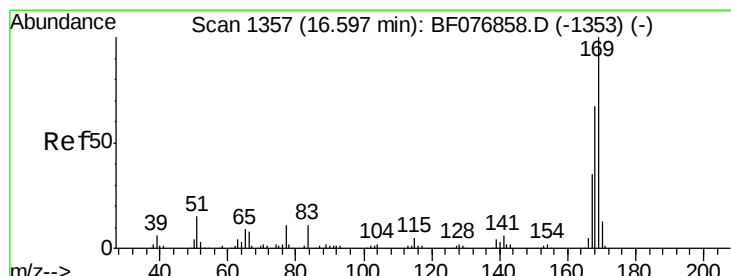
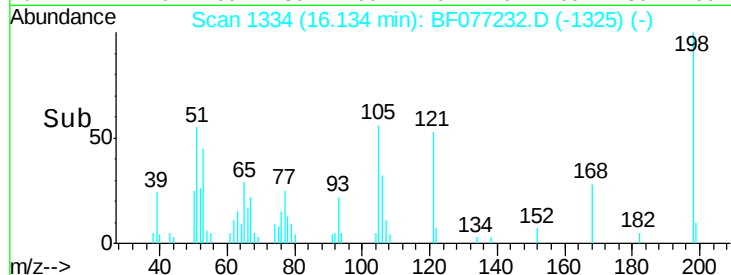
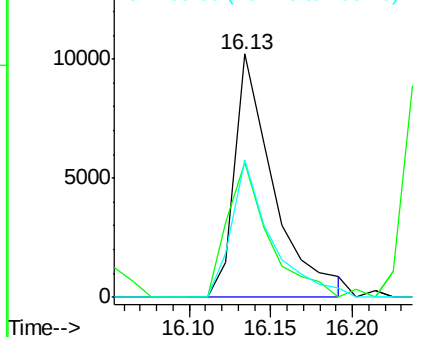
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 25.20 ng  
 RT: 16.13 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:198 Resp: 16911  
 Ion Ratio Lower Upper  
 198 100  
 51 55.2 24.2 64.2  
 105 56.5 24.0 64.0

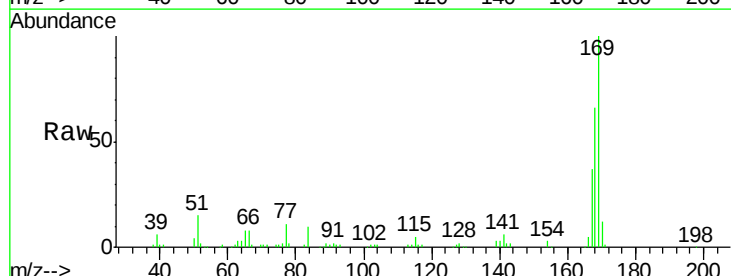


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

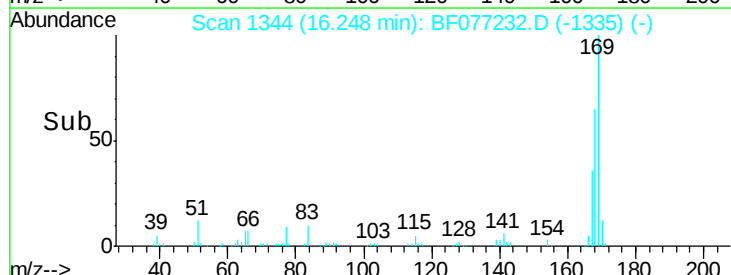
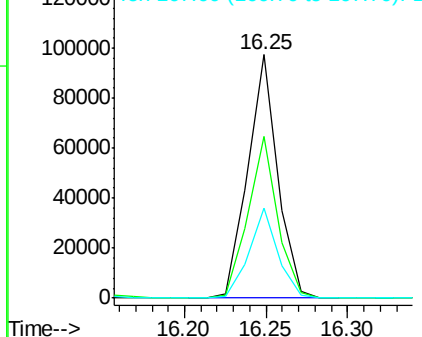


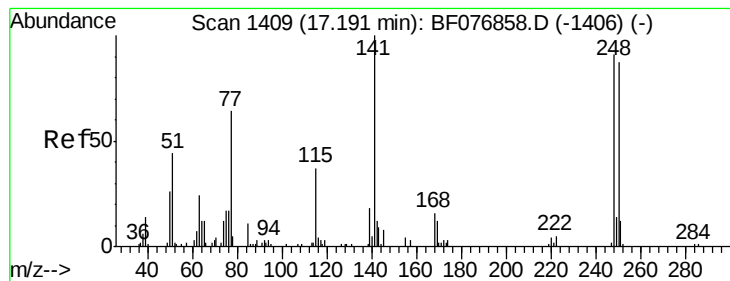
#65  
 n-Nitrosodiphenylamine  
 Concen: 30.92 ng  
 RT: 16.25 min Scan# 1344  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:169 Resp: 123373  
 Ion Ratio Lower Upper  
 169 100  
 168 66.2 53.8 80.6  
 167 36.8 27.8 41.6



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: 31.34 ng

RT: 16.87 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

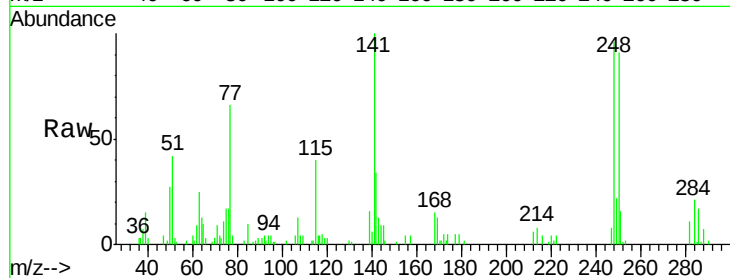
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:248 Resp: 35530

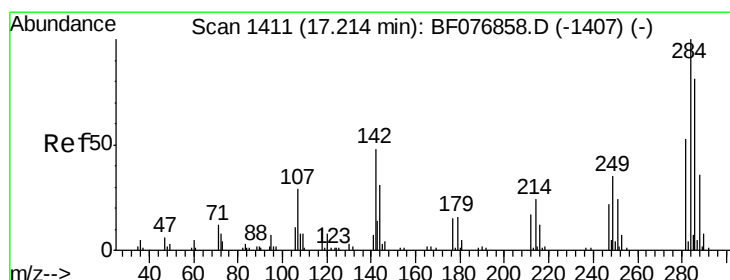
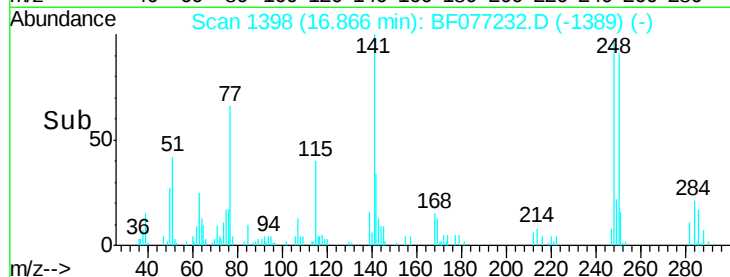
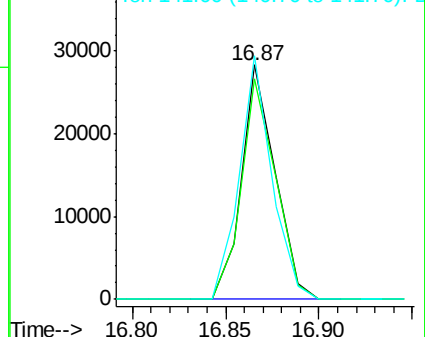
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 94.2  | 77.1  | 115.7 |
| 141 | 103.8 | 88.2  | 132.4 |



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: 30.90 ng

RT: 16.88 min Scan# 1399

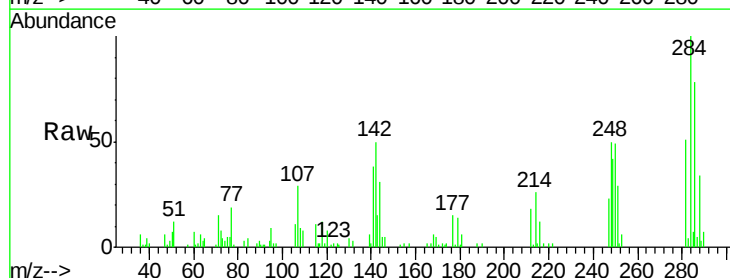
Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Tgt Ion:284 Resp: 36912

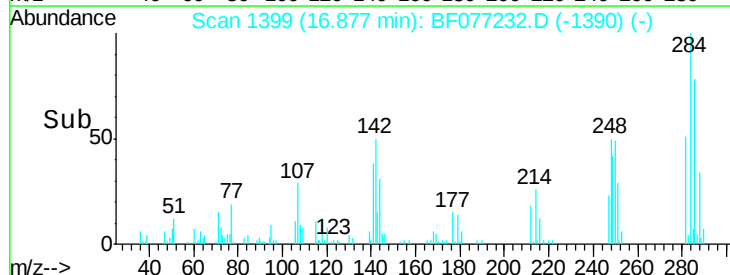
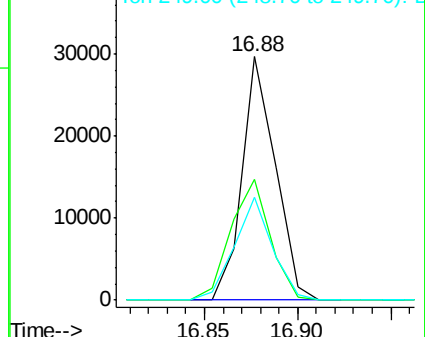
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 284 | 100   |       |       |
| 142 | 49.8  | 38.2  | 57.4  |
| 249 | 42.4  | 28.2  | 42.2# |

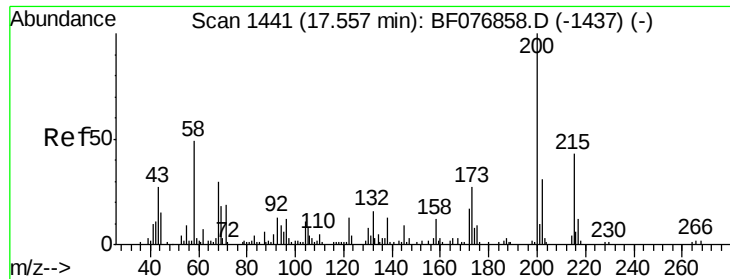


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 33.38 ng

RT: 17.25 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

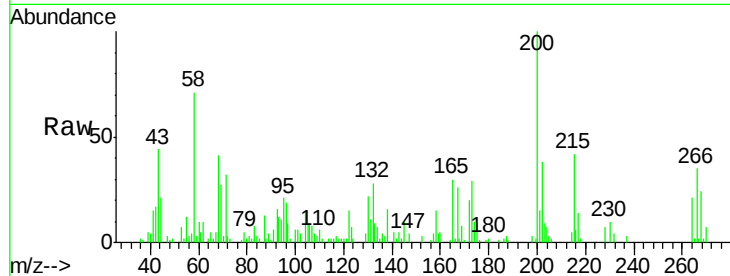
Tot Ion:200 Resp: 40419

Ion Ratio Lower Upper

200 100

173 29.4 6.6 46.6

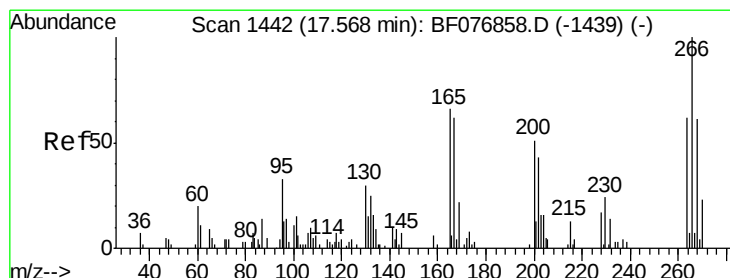
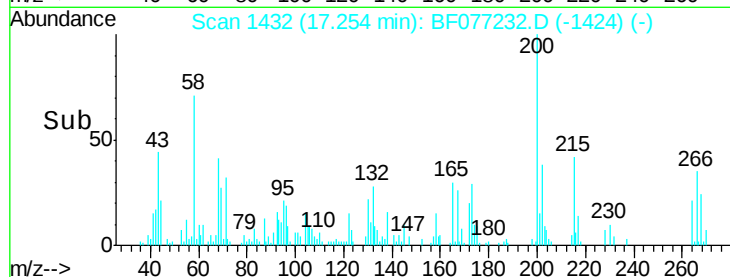
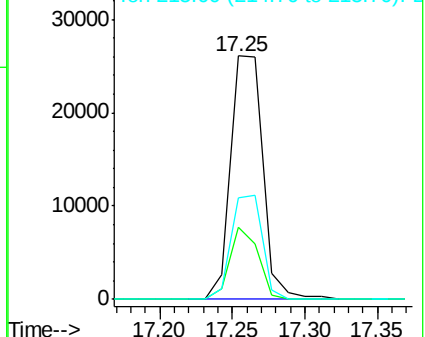
215 41.8 22.9 62.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 45.84 ng

RT: 17.27 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

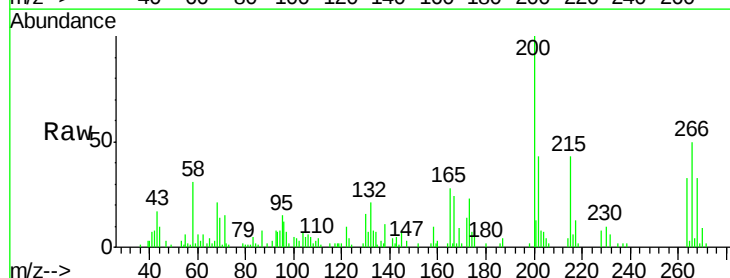
Tgt Ion:266 Resp: 23351

Ion Ratio Lower Upper

266 100

268 66.0 48.6 72.8

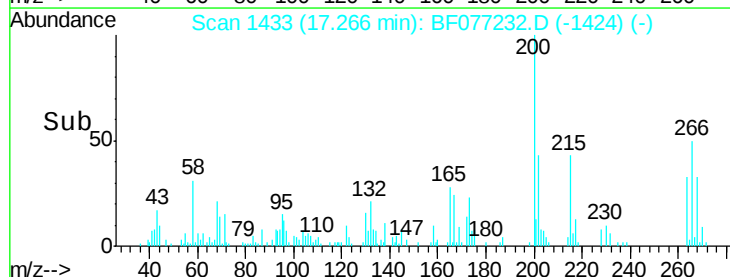
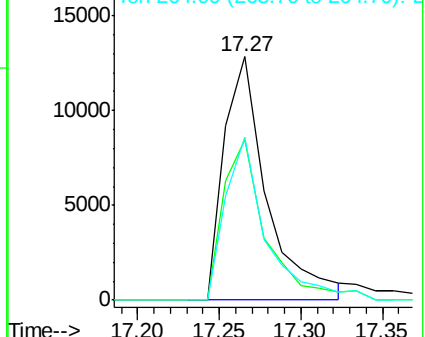
264 67.1 49.5 74.3

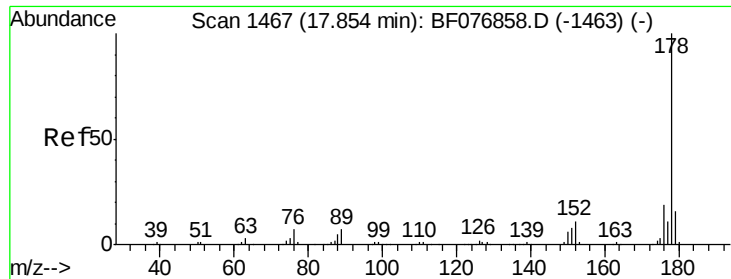


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

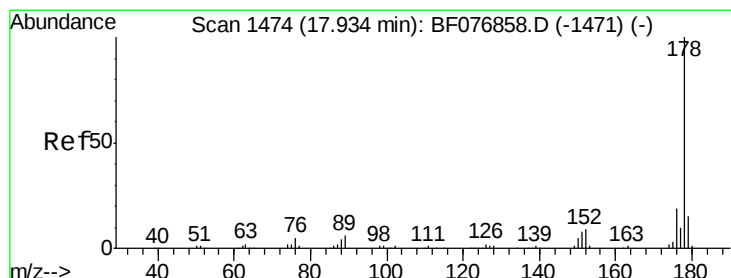
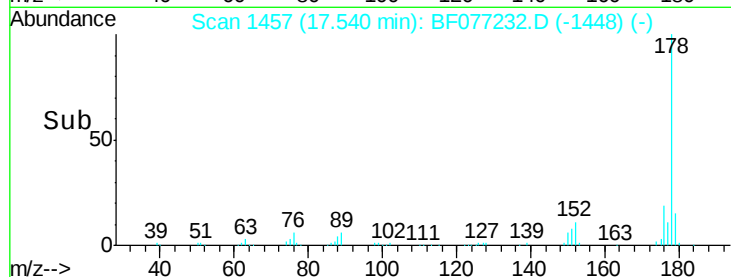
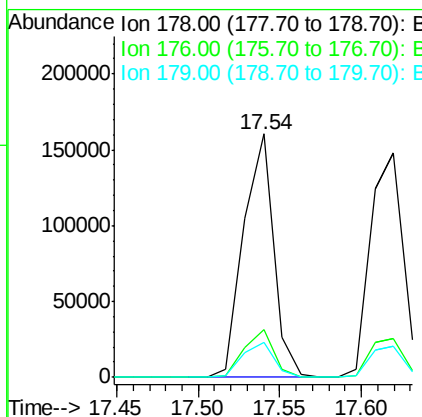
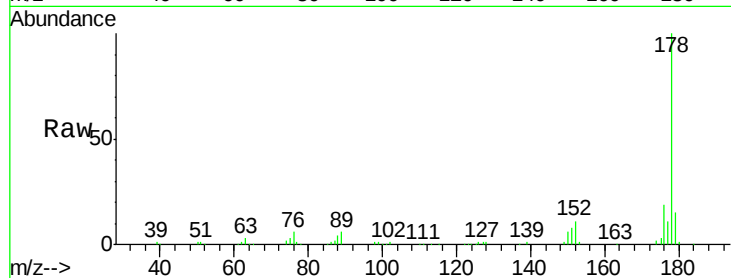




#70  
Phenanthrene  
Concen: 29.47 ng  
RT: 17.54 min Scan# 1457  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

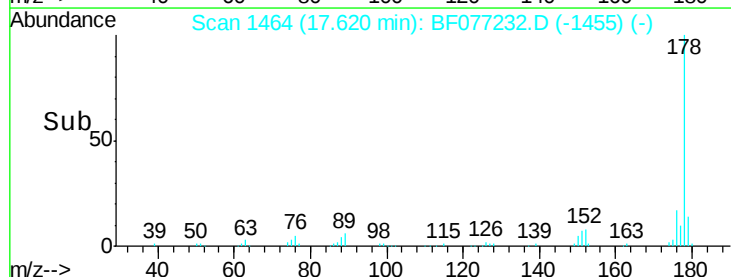
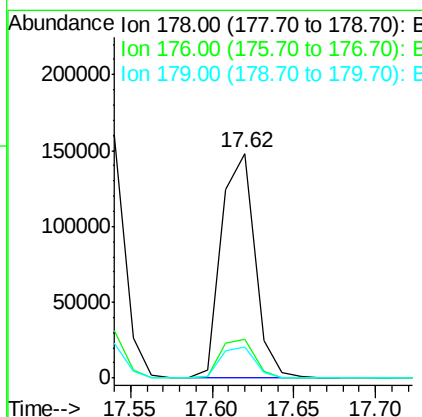
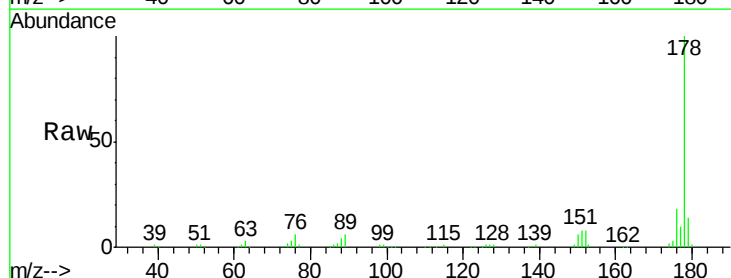
Instrument :  
BNA\_F  
ClientSampleId :

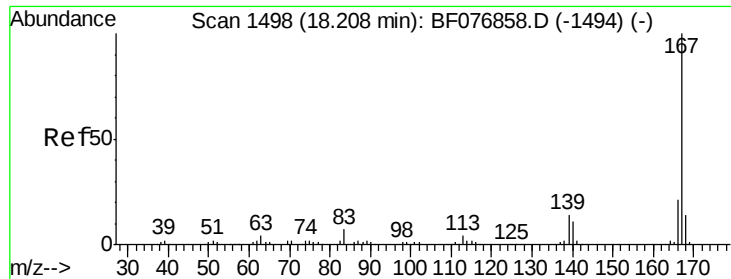
Tot Ion:178 Resp: 205619  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.1 22.7  
179 14.6 12.7 19.1



#71  
Anthracene  
Concen: 31.04 ng  
RT: 17.62 min Scan# 1464  
Delta R.T. 0.00 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:178 Resp: 211227  
Ion Ratio Lower Upper  
178 100  
176 17.6 15.4 23.0  
179 13.8 11.9 17.9

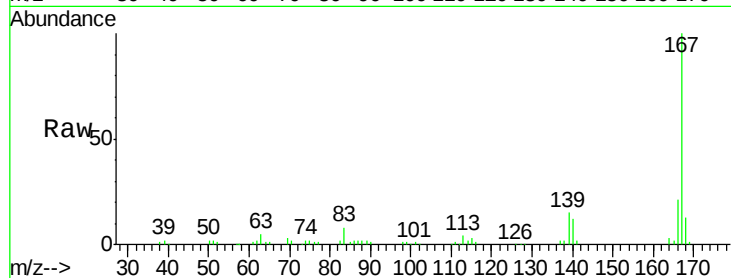




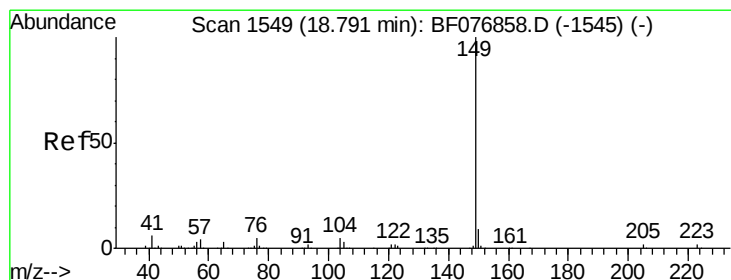
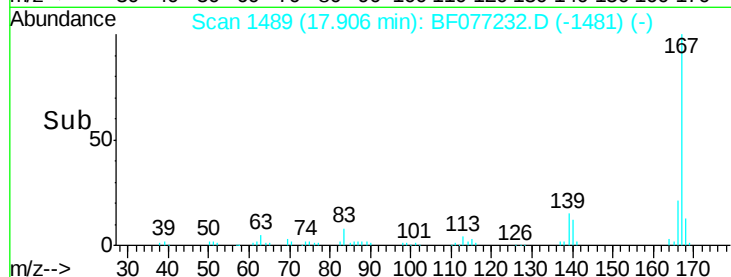
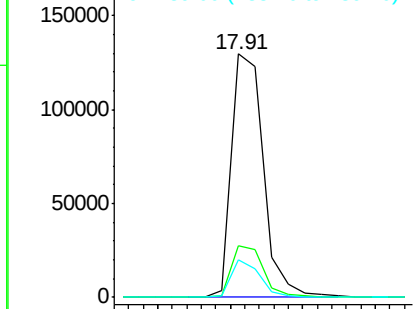
#72  
 Carbazole  
 Concen: 30.03 ng  
 RT: 17.91 min Scan# 1489  
 Delta R.T. -0.01 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:167 Resp: 198212  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.0 25.6  
 139 15.3 11.3 16.9

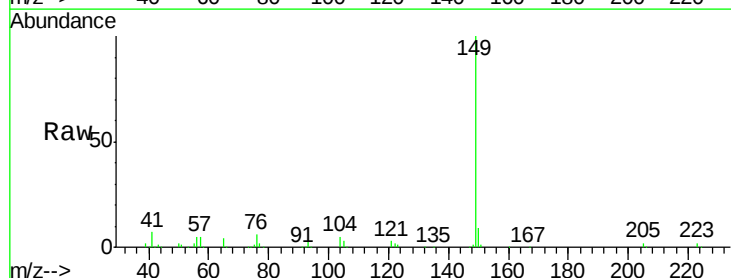


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

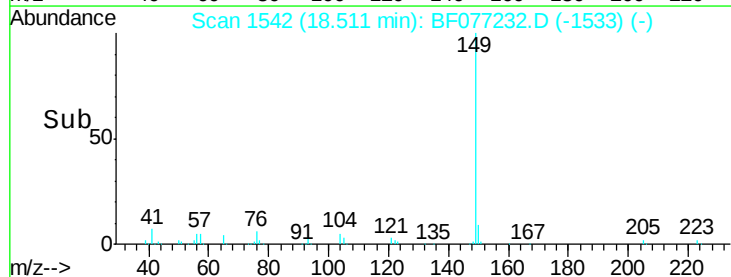
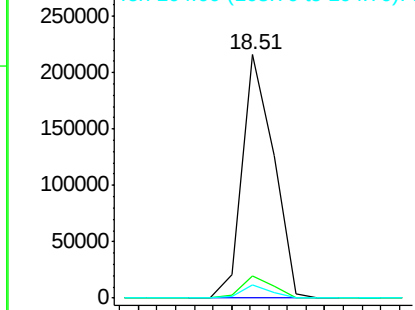


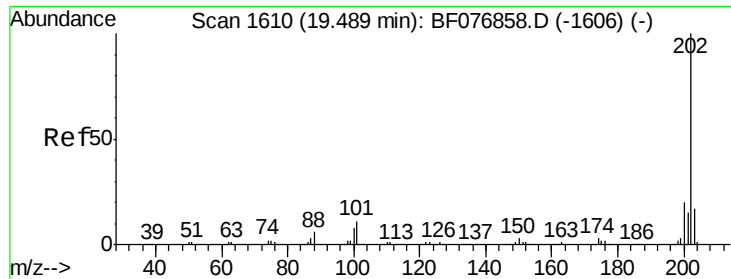
#73  
 Di-n-butylphthalate  
 Concen: 32.96 ng  
 RT: 18.51 min Scan# 1542  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

Tgt Ion:149 Resp: 251777  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 6.9 10.3  
 104 5.4 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E

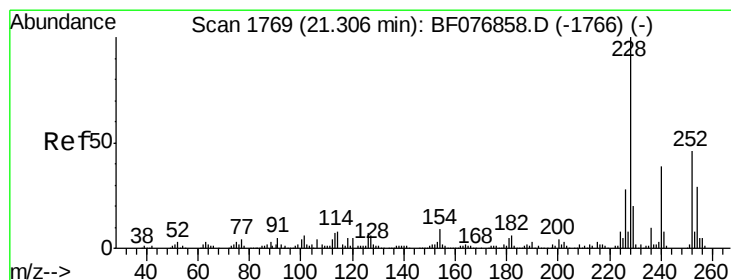
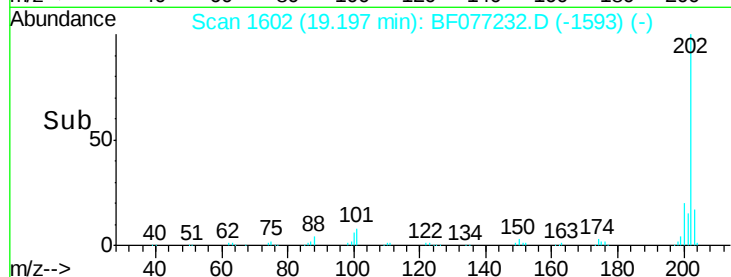
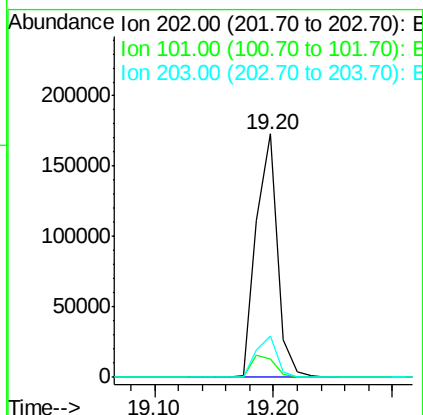
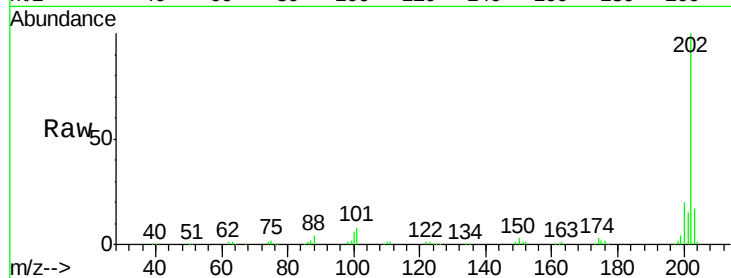




#74  
 Fluoranthene  
 Concen: 30.57 ng  
 RT: 19.20 min Scan# 1602  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

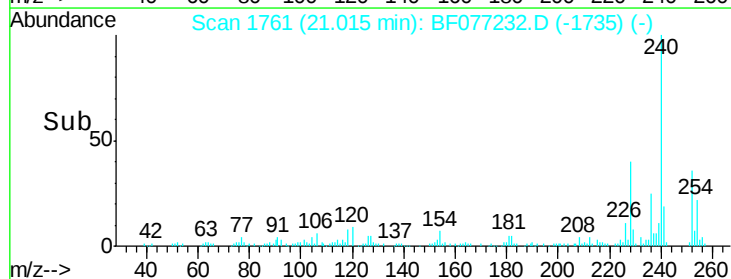
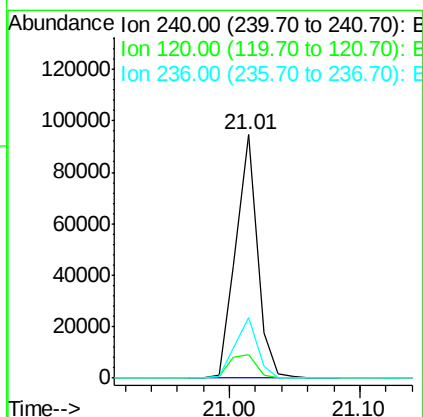
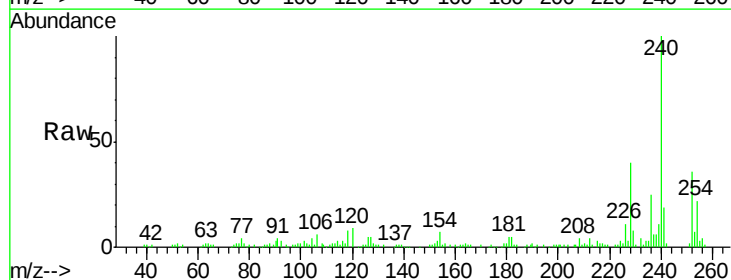
Instrument :  
 BNA\_F  
 ClientSampleId :

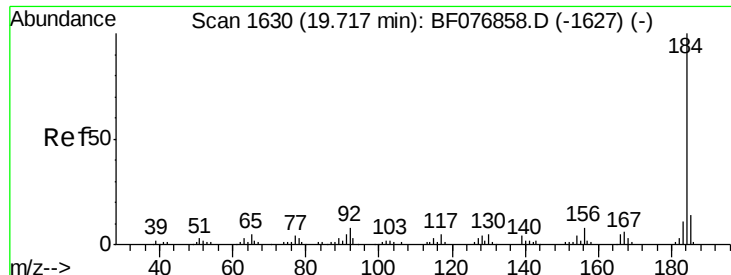
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.7   | 0.0   | 30.7  |
| 203     | 16.7  | 0.0   | 36.9  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.01 min Scan# 1761  
 Delta R.T. 0.00 min  
 Lab File: BF077232.D  
 Acq: 9 Feb 2015 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 10.4  | 15.6# |
| 236     | 25.1  | 20.2  | 30.2  |





#76

Benzidine

Concen: 23.26 ng

RT: 19.45 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

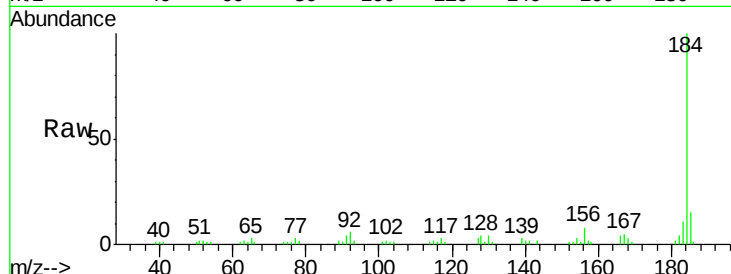
Tot Ion:184 Resp: 81136

Ion Ratio Lower Upper

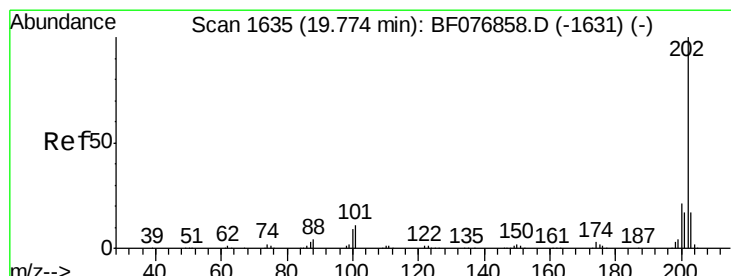
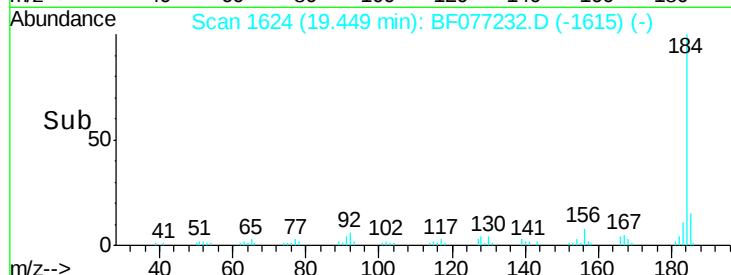
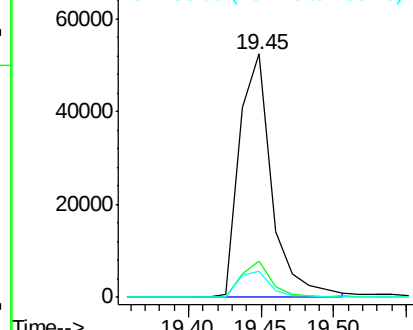
184 100

185 15.1 11.4 17.2

183 10.7 9.0 13.6



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



#77

Pyrene

Concen: 29.84 ng

RT: 19.47 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

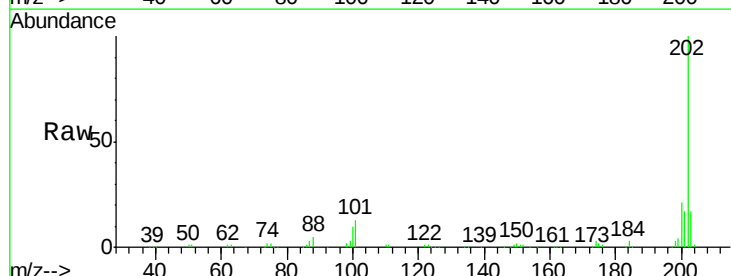
Tgt Ion:202 Resp: 222898

Ion Ratio Lower Upper

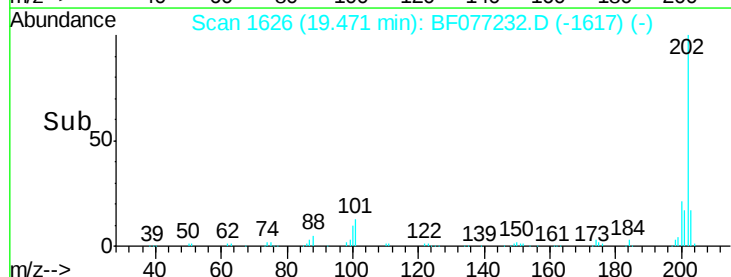
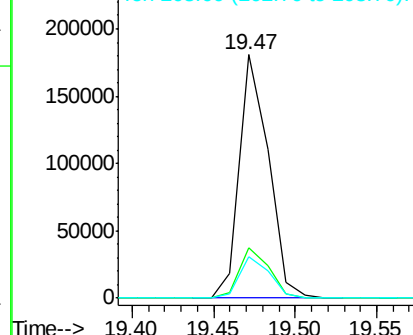
202 100

200 20.8 16.7 25.1

203 17.1 14.0 21.0



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





#78

Terphenyl-d14

Concen: 75.61 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

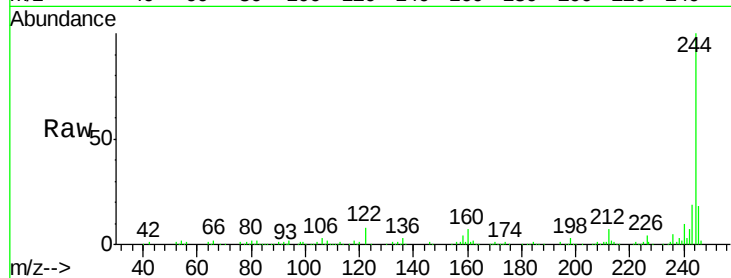
Tot Ion:244 Resp: 357962

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

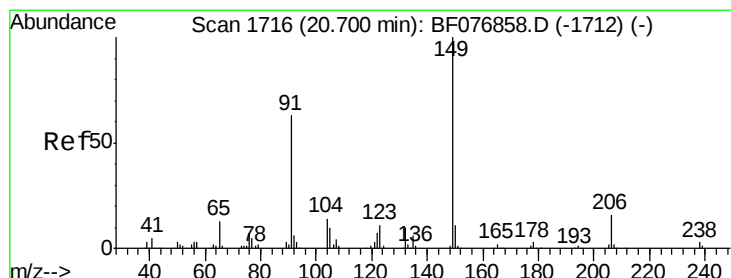
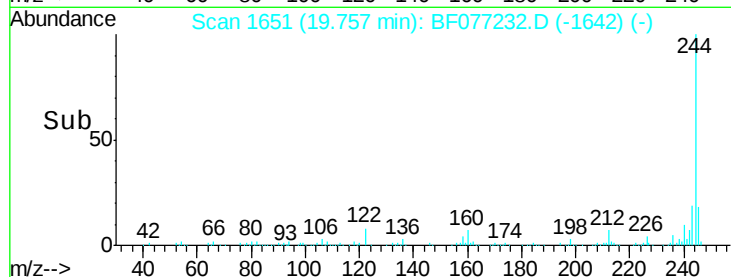
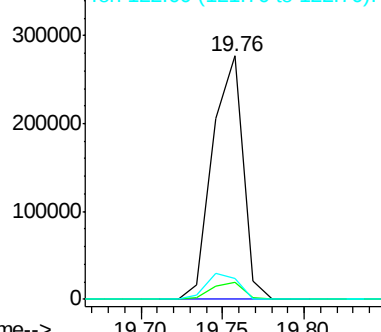
122 8.4 10.1 15.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 32.98 ng

RT: 20.42 min Scan# 1709

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

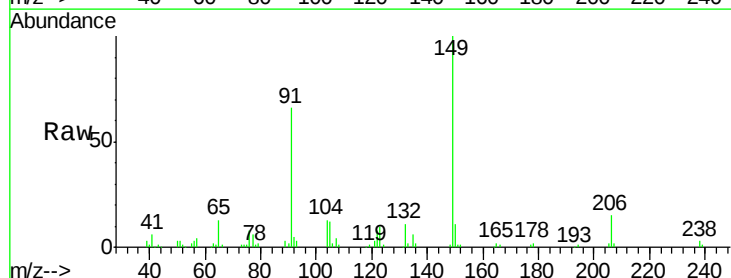
Tgt Ion:149 Resp: 111577

Ion Ratio Lower Upper

149 100

91 66.5 50.6 76.0

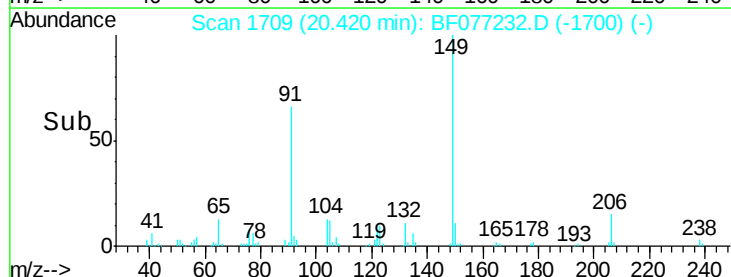
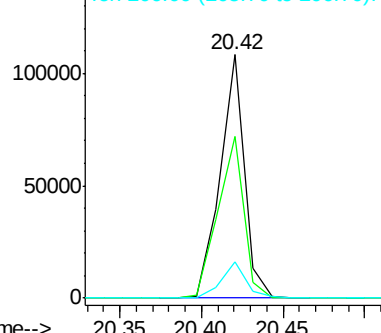
206 14.8 12.8 19.2

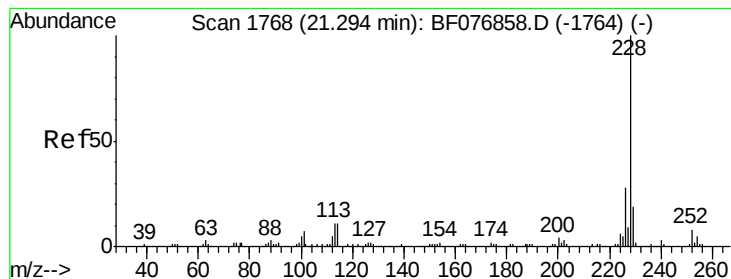


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 29.53 ng

RT: 21.00 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

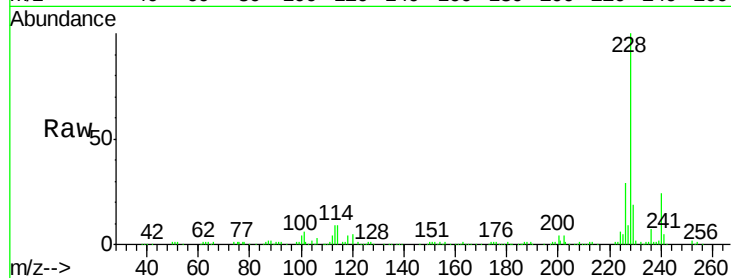
Tot Ion:228 Resp: 201963

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

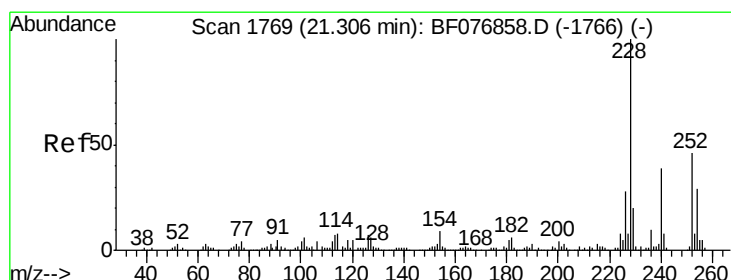
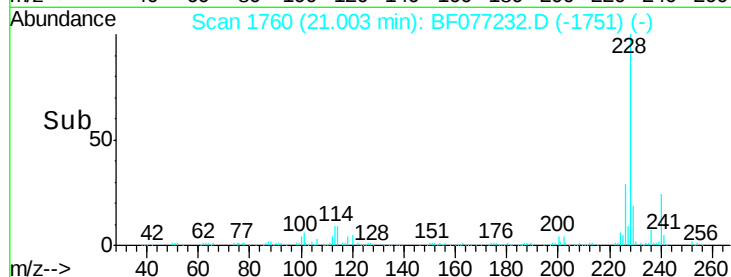
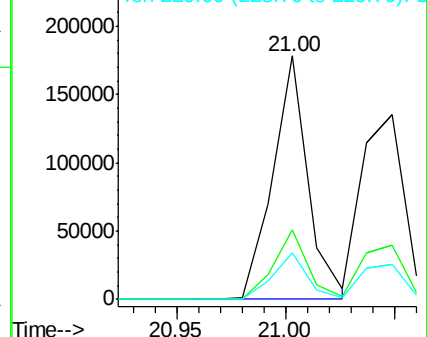
229 19.2 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 18.25 ng

RT: 21.01 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

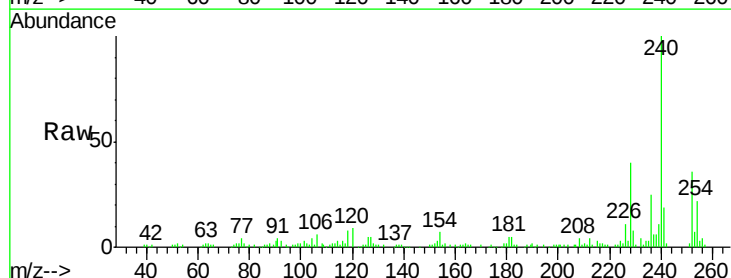
Tgt Ion:252 Resp: 39662

Ion Ratio Lower Upper

252 100

254 63.0 50.2 75.4

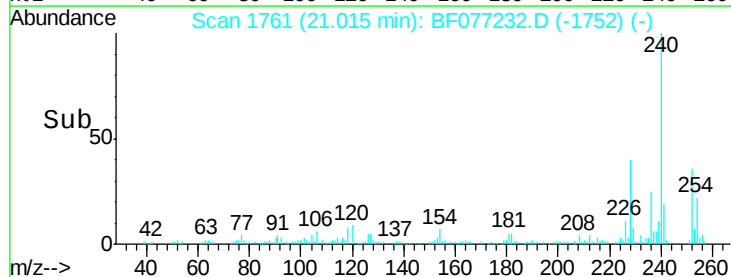
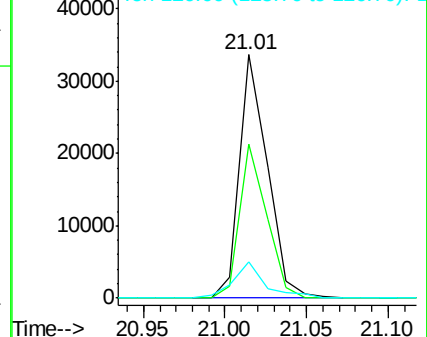
126 15.1 11.5 17.3

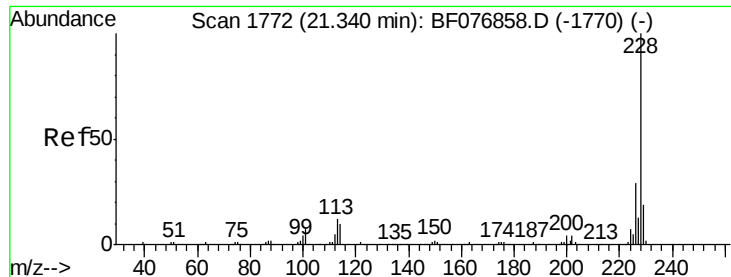


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 29.60 ng

RT: 21.05 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

Instrument :

BNA\_F

ClientSampleId :

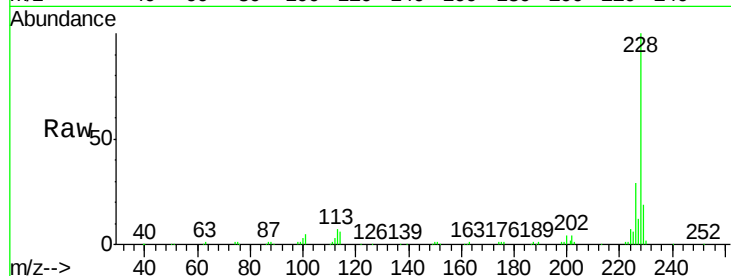
Tot Ion:228 Resp: 184613

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

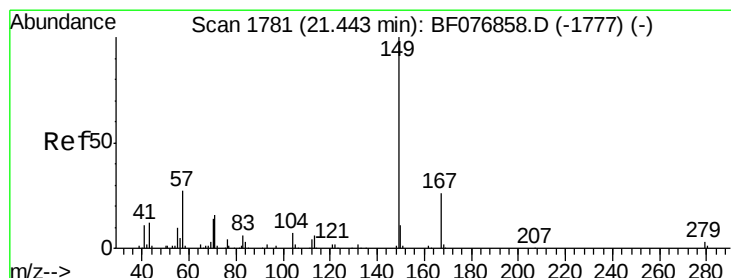
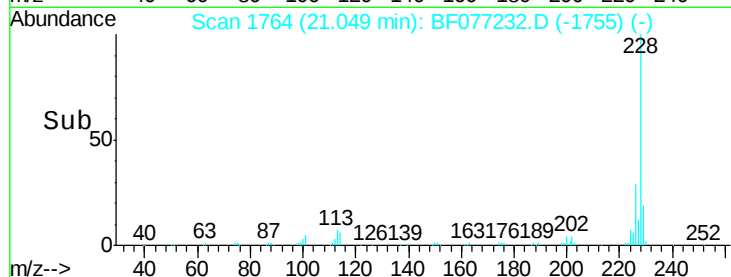
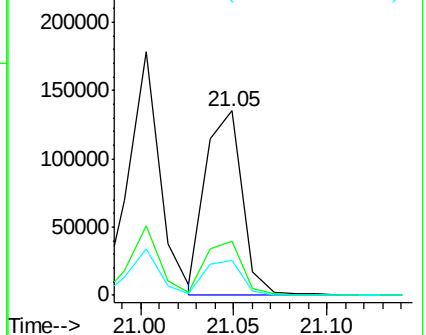
229 19.0 15.4 23.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 34.88 ng

RT: 21.16 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF077232.D

Acq: 9 Feb 2015 19:32

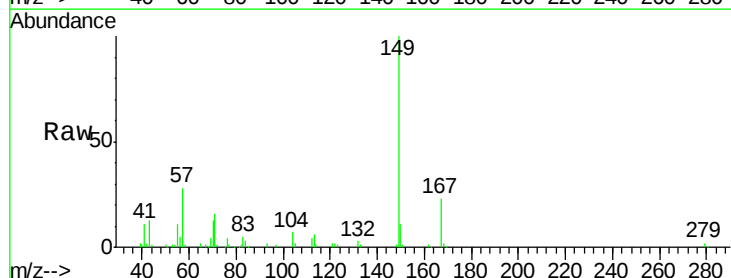
Tgt Ion:149 Resp: 163261

Ion Ratio Lower Upper

149 100

167 23.4 20.6 30.8

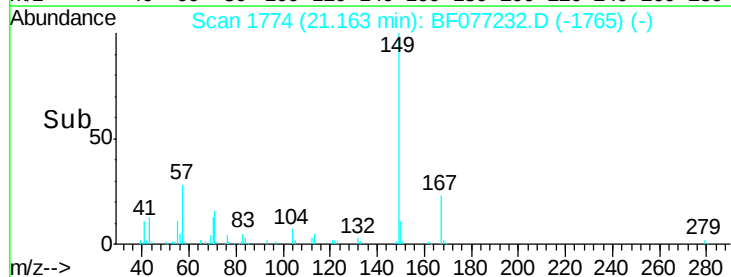
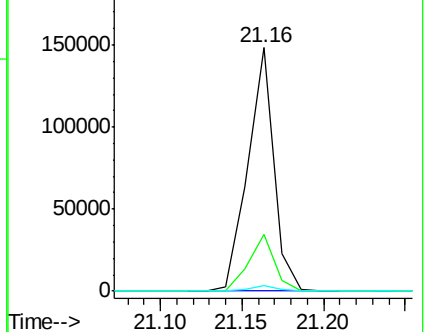
279 2.5 2.2 3.2

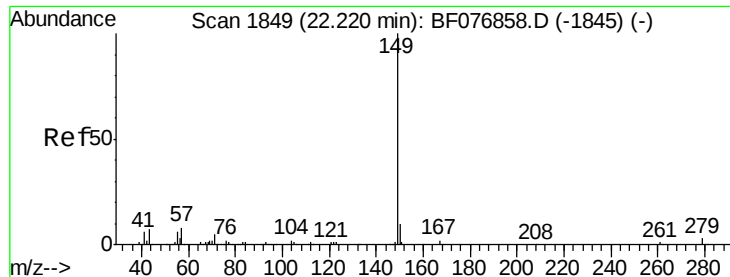


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

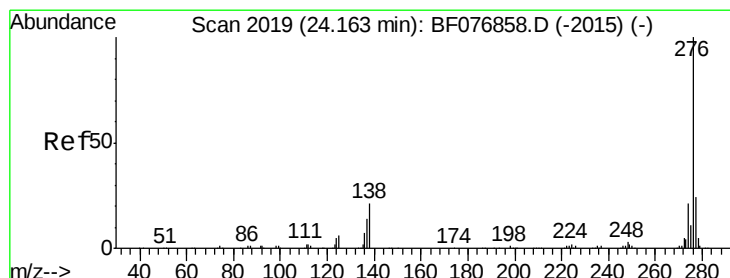
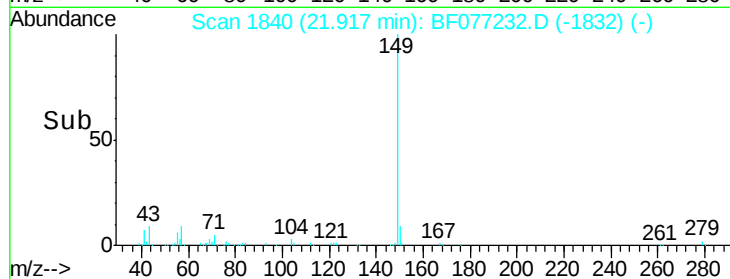
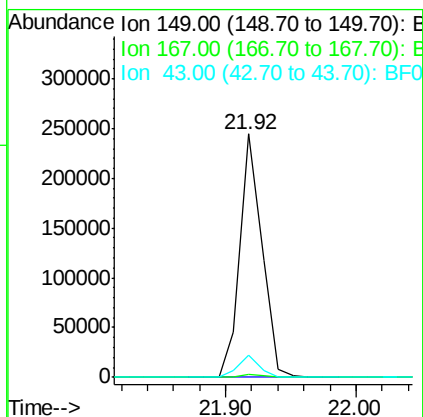
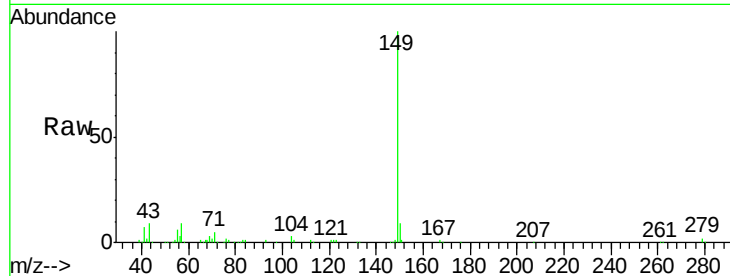




#84  
Di-n-octyl phthalate  
Concen: 35.30 ng  
RT: 21.92 min Scan# 1840  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

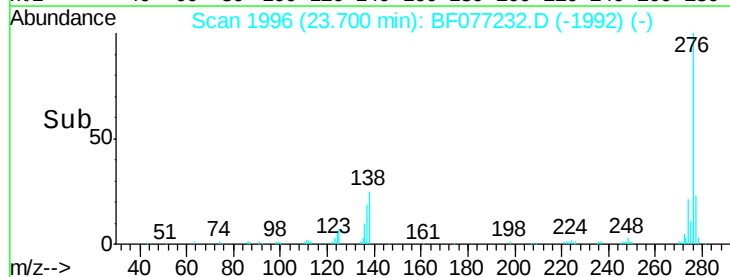
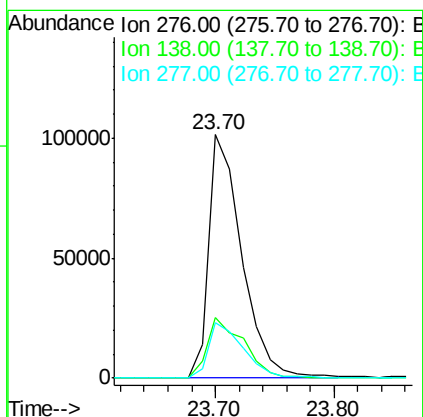
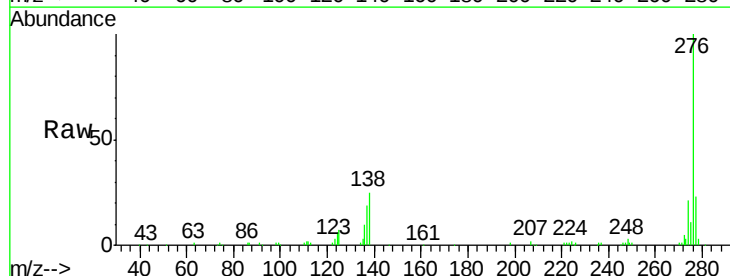
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 286731  
Ion Ratio Lower Upper  
149 100  
167 1.4 1.1 1.7  
43 8.9 6.6 10.0



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 29.66 ng  
RT: 23.70 min Scan# 1996  
Delta R.T. -0.06 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:276 Resp: 196009  
Ion Ratio Lower Upper  
276 100  
138 27.6 14.6 22.0#  
277 24.2 14.8 22.2#



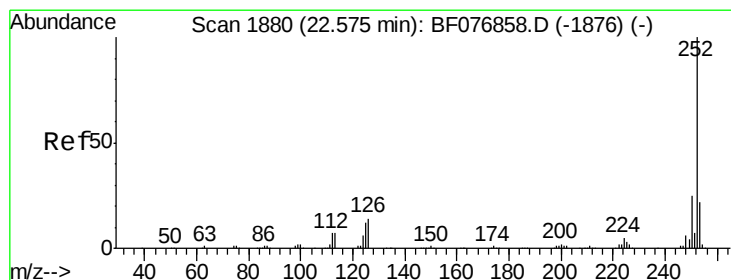
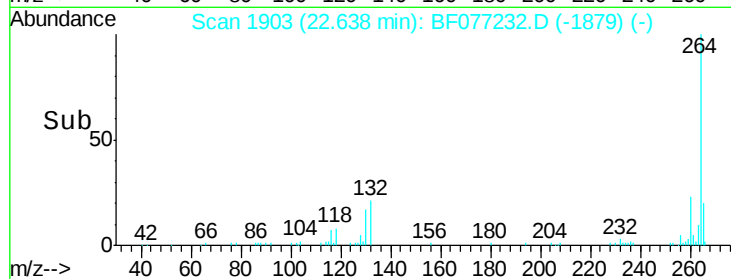
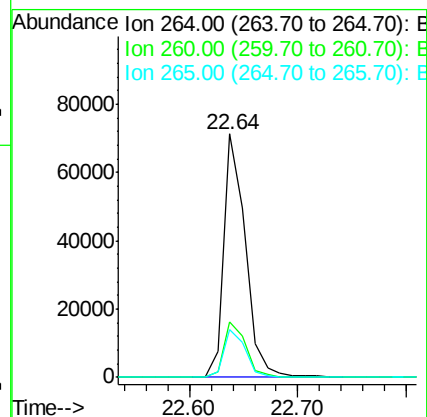
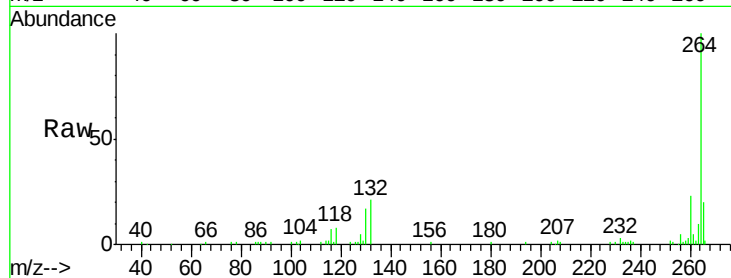


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.64 min Scan# 1903  
Delta R.T. -0.02 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 98580  

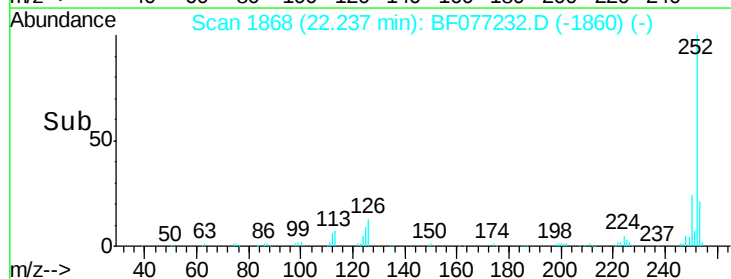
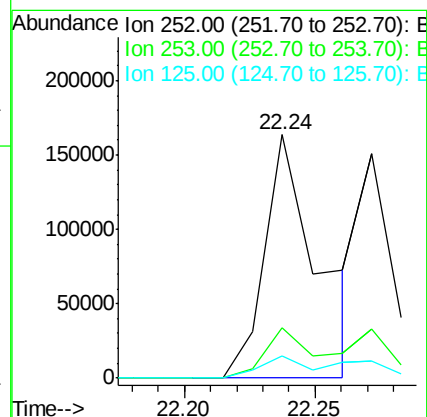
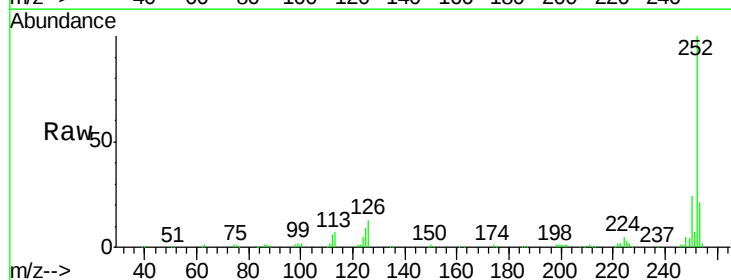
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 19.0  | 28.4  |
| 265 | 19.6  | 18.1  | 27.1  |



#87  
Benzo(b)fluoranthene  
Concen: 34.92 ng  
RT: 22.24 min Scan# 1868  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:252 Resp: 231855  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 20.9  | 17.5  | 26.3  |
| 125 | 9.4   | 9.4   | 14.0  |

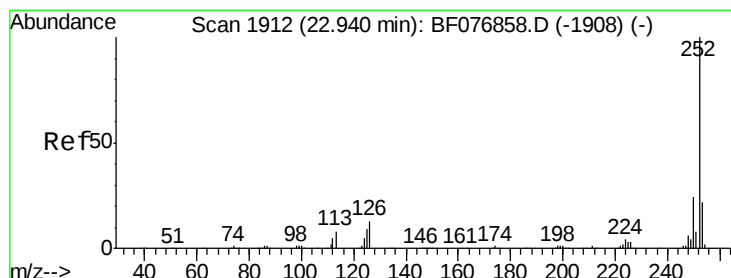
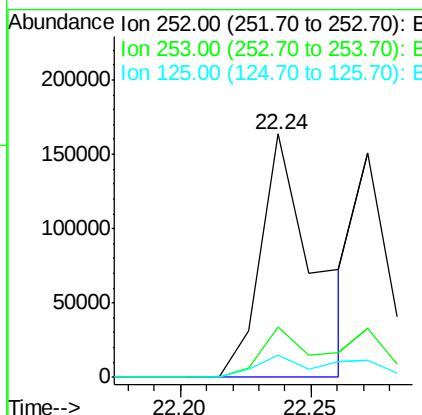
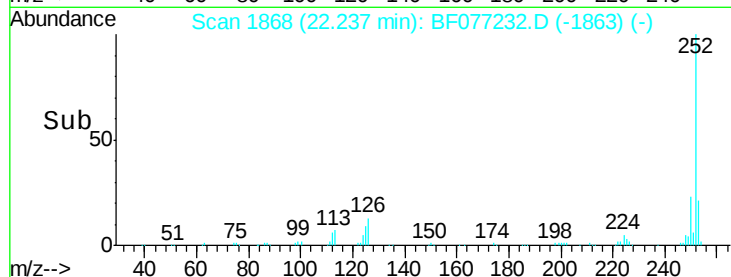
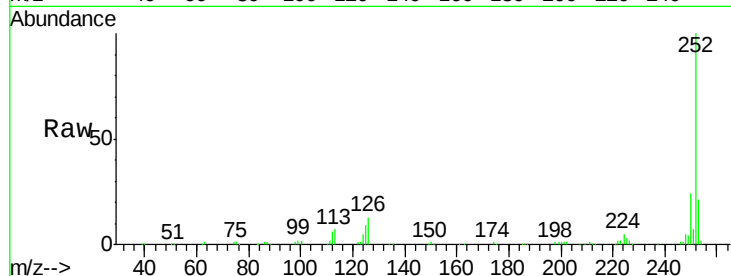




#88  
Benzo(k)fluoranthene  
Concen: 39.97 ng  
RT: 22.24 min Scan# 1868  
Delta R.T. -0.05 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

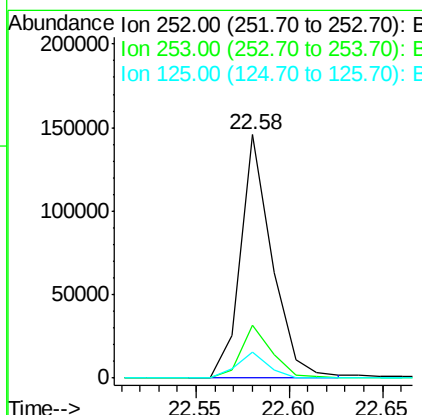
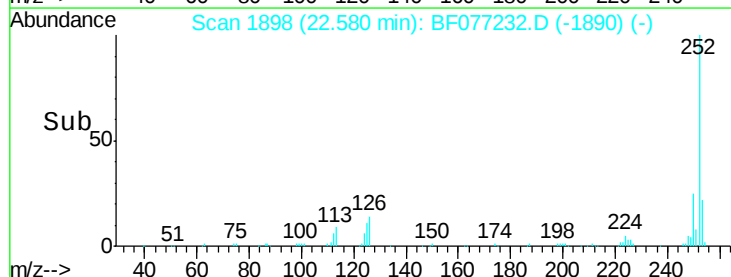
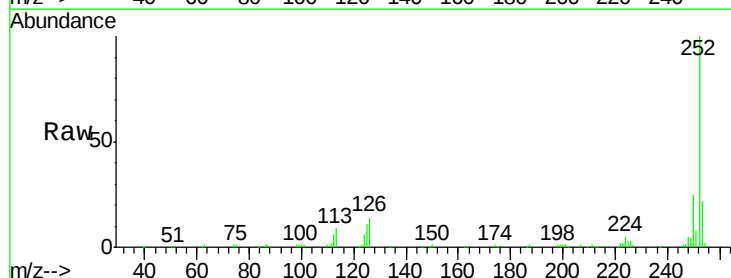
Instrument :  
BNA\_F  
ClientSampleId :

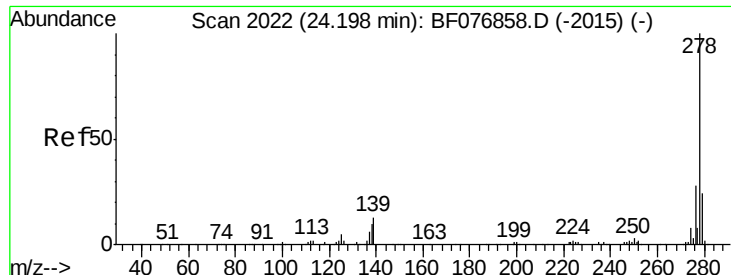
Tot Ion:252 Resp: 231855  
Ion Ratio Lower Upper  
252 100  
253 20.9 17.2 25.8  
125 9.4 7.1 10.7



#89  
Benzo(a)pyrene  
Concen: 29.33 ng  
RT: 22.58 min Scan# 1898  
Delta R.T. -0.01 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:252 Resp: 171797  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 10.7 7.2 10.8

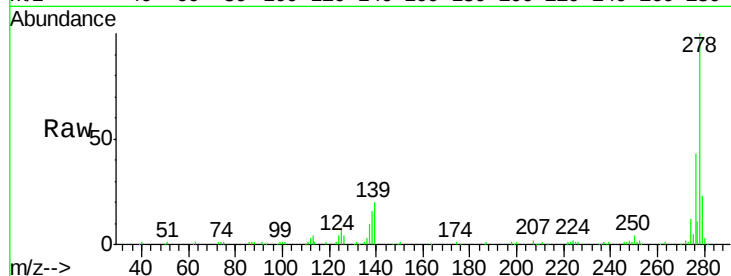




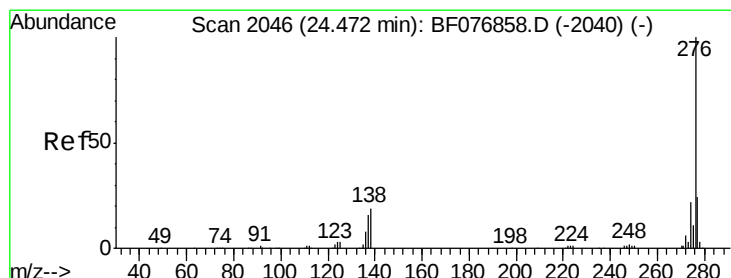
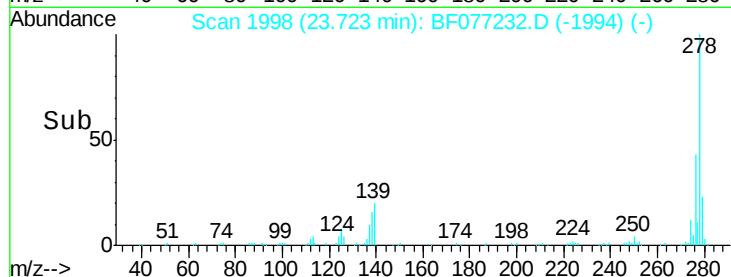
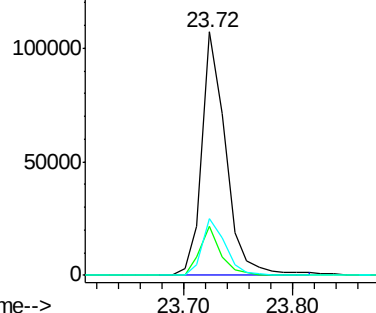
#90  
Dibenzo(a,h)anthracene  
Concen: 30.38 ng  
RT: 23.72 min Scan# 1998  
Delta R.T. -0.06 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 163256  
Ion Ratio Lower Upper  
278 100  
139 20.0 10.5 15.7#  
279 23.3 19.3 28.9

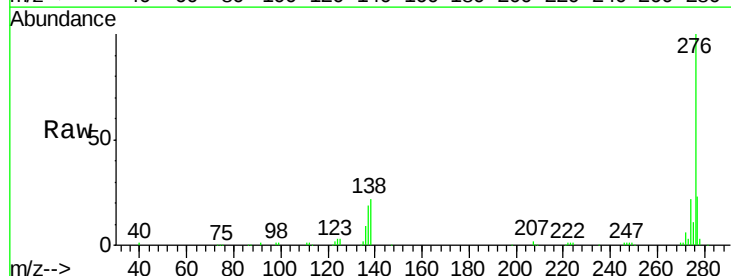


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 31.19 ng  
RT: 23.96 min Scan# 2019  
Delta R.T. -0.06 min  
Lab File: BF077232.D  
Acq: 9 Feb 2015 19:32

Tgt Ion:276 Resp: 166628  
Ion Ratio Lower Upper  
276 100  
277 23.3 19.5 29.3  
138 21.8 15.0 22.6



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

