

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\  
 Data File : BF089054.D  
 Acq On : 16 Jul 2016 14:38  
 Operator : UM/SJ  
 Sample : H3951-21MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 18 01:13:20 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 55485    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 7.95  | 136  | 224200   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.70  | 164  | 92469    | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.18 | 188  | 137047   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 13.82 | 240  | 98813    | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.19 | 264  | 86997    | 20.00 | ng    | -0.02    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.27  | 112 | 424795 | 114.74 | ng | -0.02 |
| 7) Phenol-d6                | 6.33  | 99  | 543900 | 113.70 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.23  | 82  | 313320 | 73.24  | ng | -0.05 |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330 | 64822  | 75.49  | ng | -0.05 |
| 44) 2-Fluorobiphenyl        | 9.03  | 172 | 556447 | 95.05  | ng | -0.05 |
| 78) Terphenyl-d14           | 12.77 | 244 | 318490 | 71.79  | ng | -0.03 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 3) Pyridine                    | 2.82 | 79  | 117717 | 22.10  | ng | 93   |
| 4) n-Nitrosodimethylamine      | 2.78 | 42  | 70086  | 34.44  | ng | 97   |
| 6) Aniline                     | 6.34 | 93  | 61742  | 8.86   | ng | # 1  |
| 8) 2-Chlorophenol              | 6.46 | 128 | 165985 | 41.72  | ng | 93   |
| 9) Benzaldehyde                | 6.20 | 77  | 76972  | 23.75  | ng | 92   |
| 10) Phenol                     | 6.34 | 94  | 231991 | 42.49  | ng | 87   |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 234183 | 57.52  | ng | 86   |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146 | 166403 | 38.00  | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146 | 174635 | 40.18  | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 6.68 | 146 | 174635 | 42.93  | ng | 95   |
| 15) Benzyl Alcohol             | 6.82 | 79  | 156255 | 44.38  | ng | 95   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 182280 | 30.92  | ng | 79   |
| 17) 2-Methylphenol             | 6.95 | 107 | 134292 | 41.37  | ng | # 92 |
| 18) Hexachloroethane           | 7.18 | 117 | 57010  | 33.91  | ng | # 88 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70  | 127049 | 39.54  | ng | 89   |
| 20) 3+4-Methylphenols          | 7.10 | 107 | 160725 | 41.26  | ng | # 79 |
| 22) Acetophenone               | 7.08 | 105 | 233551 | 42.92  | ng | # 96 |
| 24) Nitrobenzene               | 7.26 | 77  | 195225 | 45.26  | ng | 88   |
| 25) Isophorone                 | 7.50 | 82  | 311217 | 39.27  | ng | 97   |
| 26) 2-Nitrophenol              | 7.56 | 139 | 41455  | 23.44  | ng | # 85 |
| 27) 2,4-Dimethylphenol         | 7.62 | 122 | 124511 | 33.80  | ng | 86   |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 201439 | 39.06  | ng | # 96 |
| 29) 2,4-Dichlorophenol         | 7.82 | 162 | 111058 | 37.30  | ng | 94   |
| 30) 1,2,4-Trichlorobenzene     | 7.90 | 180 | 136512 | 41.78  | ng | 99   |
| 31) Naphthalene                | 7.98 | 128 | 494862 | 44.77  | ng | 99   |
| 32) Benzoic acid               | 7.71 | 122 | 13002  | 4.86   | ng | 99   |
| 33) 4-Chloroaniline            | 8.03 | 127 | 122659 | 24.94  | ng | 99   |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 69448  | 39.69  | ng | 97   |
| 35) Caprolactam                | 8.40 | 113 | 30807  | 30.46  | ng | 92   |
| 36) 4-Chloro-3-methylphenol    | 8.52 | 107 | 133171 | 37.82  | ng | 92   |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 269068 | 37.81  | ng | # 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 130833 | 42.54  | ng | # 1  |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 11627  | 7.70   | ng | 96   |
| 42) 2,4,6-Trichlorophenol      | 8.95 | 196 | 69279  | 34.16  | ng | 97   |

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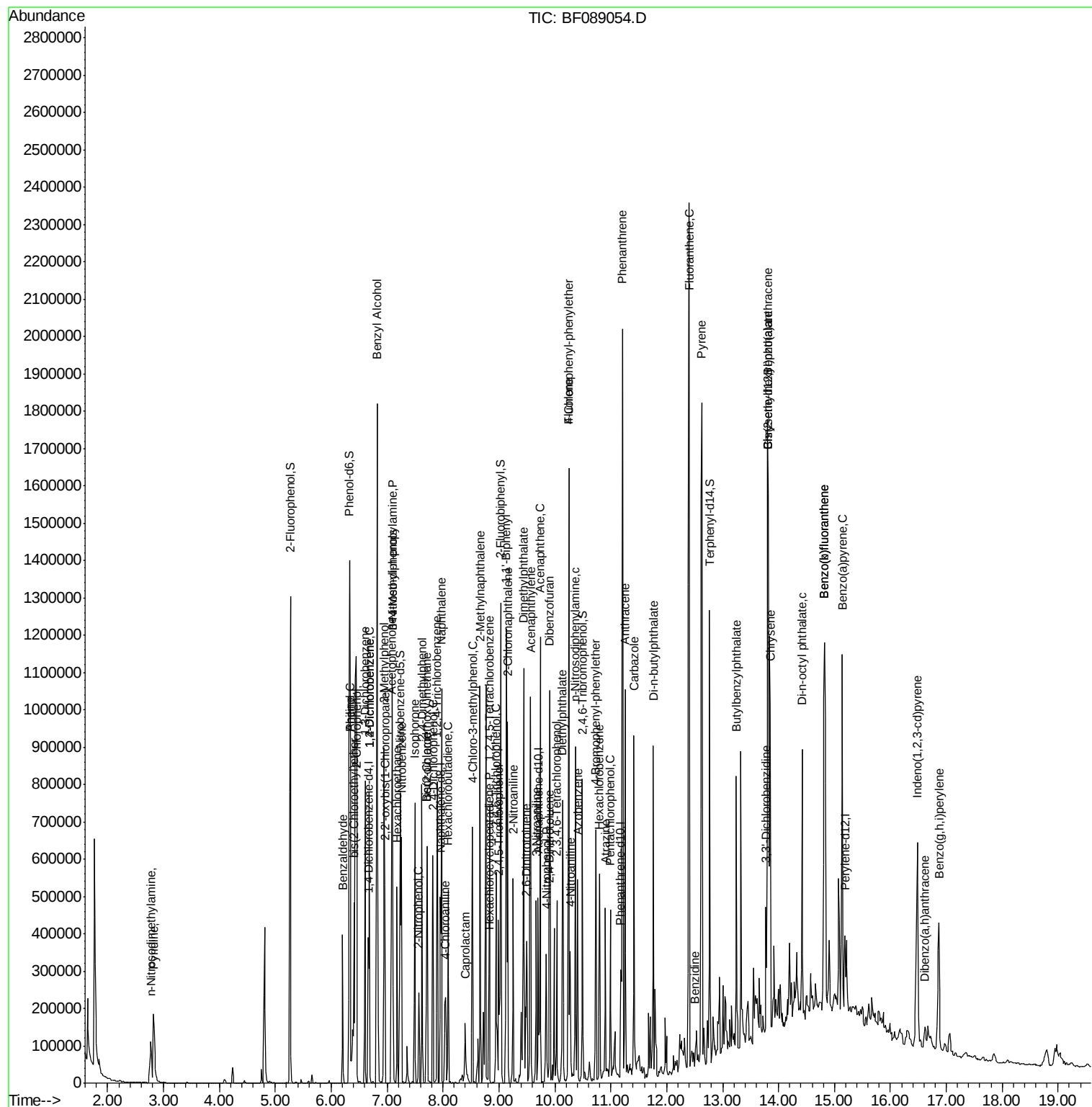
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 43) 2,4,5-Trichlorophenol      | 8.99  | 196  | 67115    | 38.47  | nq    | # 80     |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 331742   | 43.33  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 263771   | 43.88  | nq    | 99       |
| 47) 2-Nitroaniline             | 9.26  | 65   | 97103    | 45.52  | nq    | 90       |
| 48) Acenaphthylene             | 9.56  | 152  | 410014   | 42.87  | nq    | 99       |
| 49) Dimethylphthalate          | 9.44  | 163  | 571665   | 86.78  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.50  | 165  | 49940    | 34.20  | nq    | # 31     |
| 51) Acenaphthene               | 9.74  | 154  | 239523   | 40.85  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.67  | 138  | 72819    | 39.23  | nq    | 98       |
| 54) Dibenzofuran               | 9.91  | 168  | 336175   | 43.81  | nq    | # 86     |
| 55) 4-Nitrophenol              | 9.85  | 139  | 69978    | 49.61  | nq    | # 82     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 59444    | 31.14  | nq    | # 25     |
| 57) Fluorene                   | 10.25 | 166  | 276890   | 46.82  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 46786    | 34.66  | nq    | # 45     |
| 59) Diethylphthalate           | 10.14 | 149  | 286085   | 43.27  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204  | 124856   | 45.44  | nq    | 90       |
| 61) 4-Nitroaniline             | 10.27 | 138  | 56824    | 31.81  | nq    | # 78     |
| 62) Azobenzene                 | 10.41 | 77   | 299813   | 39.76  | nq    | 87       |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 213260   | 45.98  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 61316    | 44.40  | nq    | # 72     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 62204    | 40.69  | nq    | 93       |
| 68) Atrazine                   | 10.90 | 200  | 55945    | 38.71  | nq    | 93       |
| 69) Pentachlorophenol          | 10.99 | 266  | 45301    | 50.07  | nq    | 97       |
| 70) Phenanthrene               | 11.21 | 178  | 754090   | 100.66 | nq    | 100      |
| 71) Anthracene                 | 11.26 | 178  | 424672   | 57.01  | nq    | 98       |
| 72) Carbazole                  | 11.42 | 167  | 322810   | 46.04  | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 415236   | 50.92  | nq    | 99       |
| 74) Fluoranthene               | 12.40 | 202  | 1085962  | 142.99 | nq    | 99       |
| 76) Benzidine                  | 12.51 | 184  | 13542    | 2.71   | nq    | 98       |
| 77) Pyrene                     | 12.63 | 202  | 1054297  | 125.84 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.25 | 149  | 147405   | 39.44  | nq    | # 77     |
| 80) Benzo(a)anthracene         | 13.81 | 228  | 660284   | 103.77 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 57942    | 24.22  | nq    | # 93     |
| 82) Chrysene                   | 13.85 | 228  | 509599   | 80.95  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149  | 206221   | 48.33  | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 327808   | 45.22  | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.48 | 276  | 313515   | 64.73  | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.82 | 252  | 954133   | 174.83 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 14.82 | 252  | 954133   | 200.83 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.14 | 252  | 460133   | 99.58  | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 16.62 | 278  | 31735    | 8.22   | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 16.87 | 276  | 260436   | 65.23  | nq    | 96       |
| -----                          |       |      |          |        |       |          |

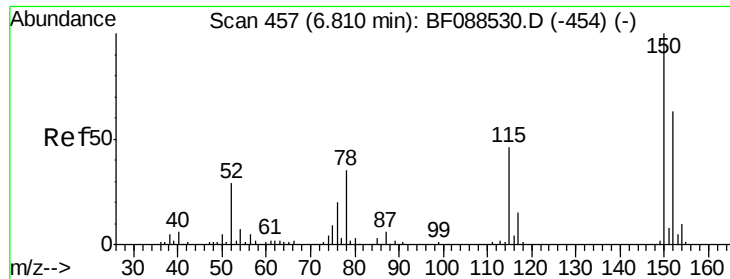
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

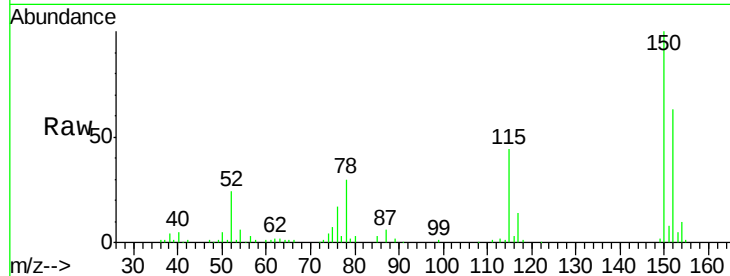
Tot Ion:152 Resp: 55485

Ion Ratio Lower Upper

152 100

150 159.8 123.8 185.6

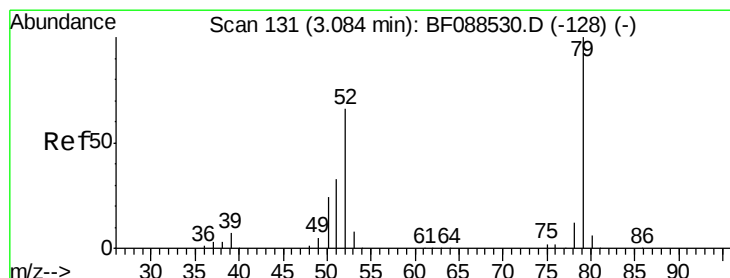
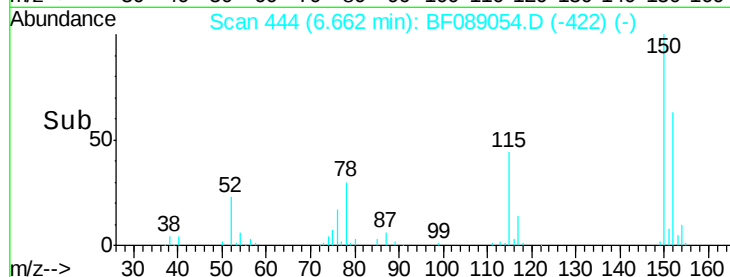
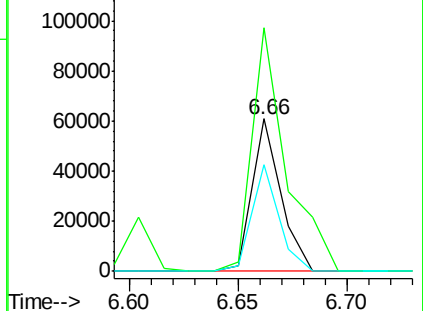
115 70.3 39.6 59.4#



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



#3

Pyridine

Concen: 22.10 ng

RT: 2.82 min Scan# 108

Delta R.T. -0.06 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

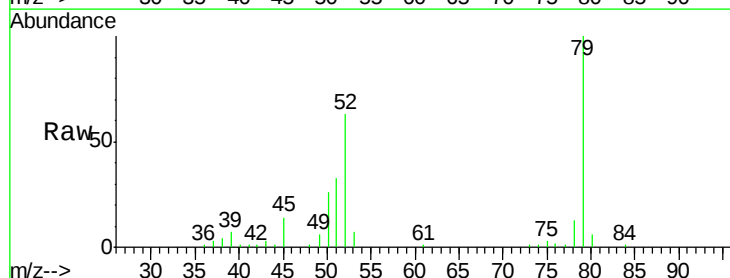
Tgt Ion: 79 Resp: 117717

Ion Ratio Lower Upper

79 100

52 63.1 56.3 84.5

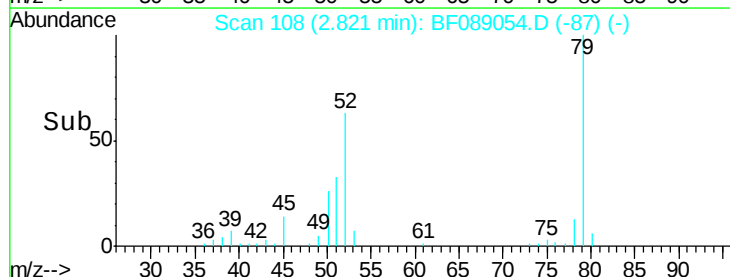
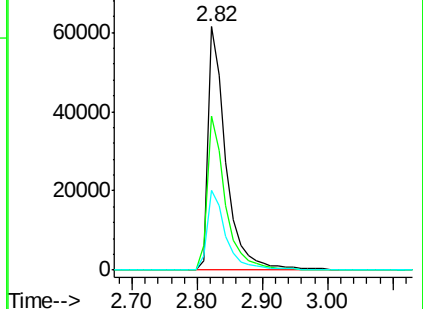
51 33.0 27.4 41.2

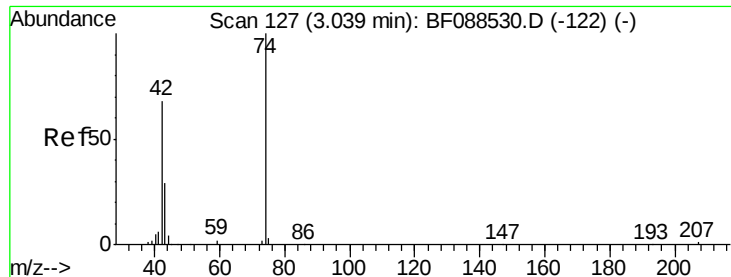


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



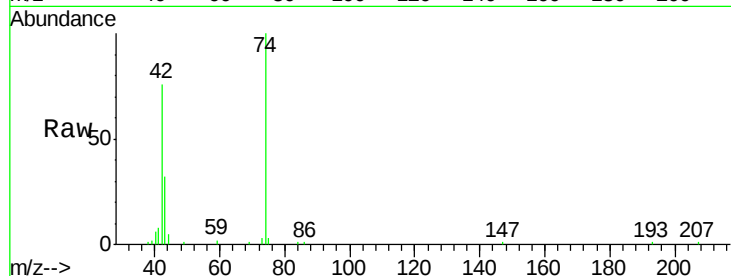


#4

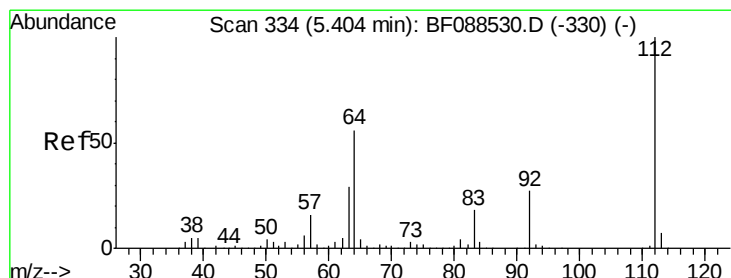
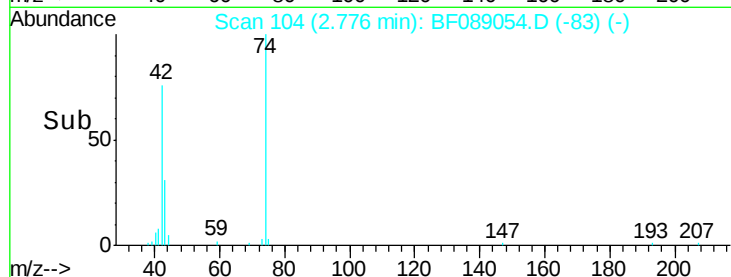
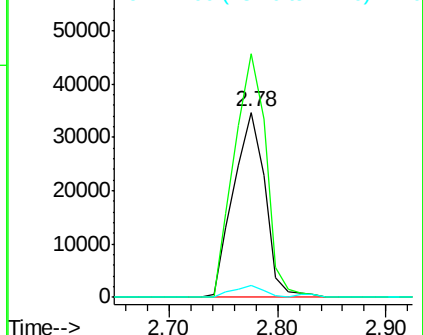
n-Nitrosodimethylamine  
 Concen: 34.44 ng  
 RT: 2.78 min Scan# 104  
 Delta R.T. -0.06 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Instrument :  
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 ClientSampleId :

Tot Ion: 42 Resp: 70086  
 Ion Ratio Lower Upper  
 42 100  
 74 131.5 108.6 163.0  
 44 6.5 5.5 8.3



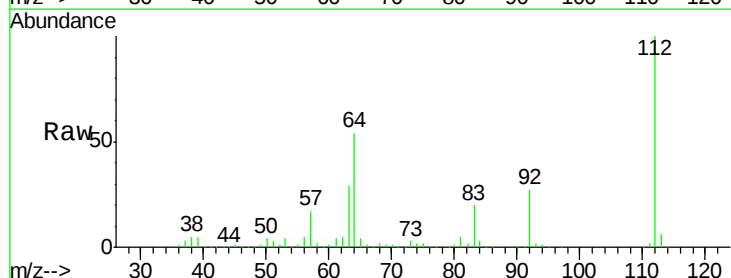
Abundance Ion 42.00 (41.70 to 42.70): BF0  
 Ion 74.00 (73.70 to 74.70): BF0  
 Ion 44.00 (43.70 to 44.70): BF0



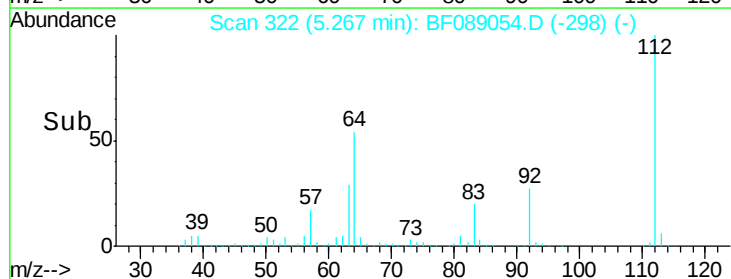
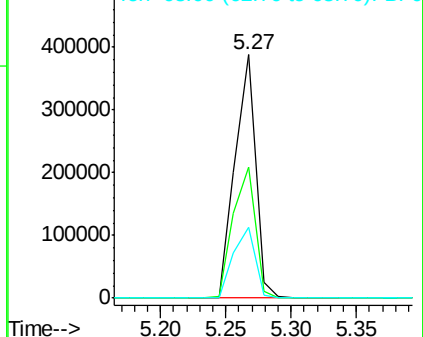
#5

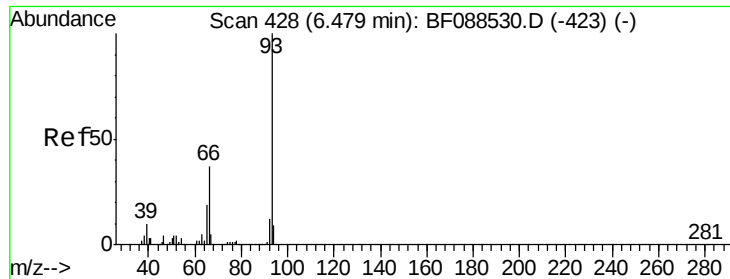
2-Fluorophenol  
 Concen: 114.74 ng  
 RT: 5.27 min Scan# 322  
 Delta R.T. -0.02 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion: 112 Resp: 424795  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 42.2 63.2  
 63 29.1 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 8.86 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

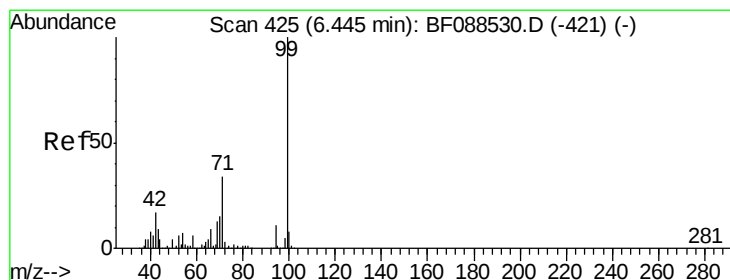
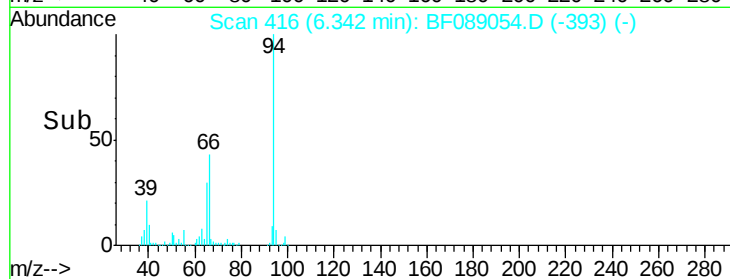
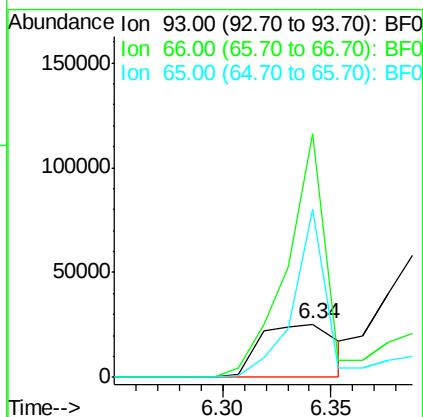
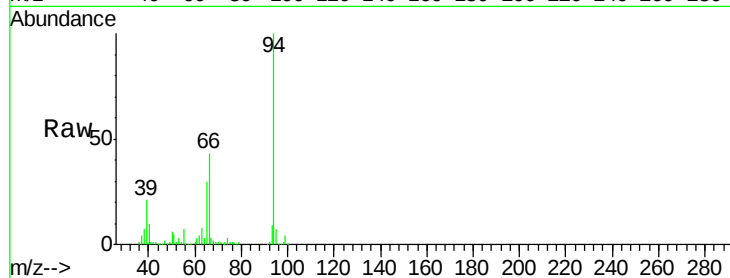
Tot Ion: 93 Resp: 61742

Ion Ratio Lower Upper

93 100

66 457.9 29.8 44.8#

65 315.8 14.9 22.3#



#7

Phenol-d6

Concen: 113.70 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

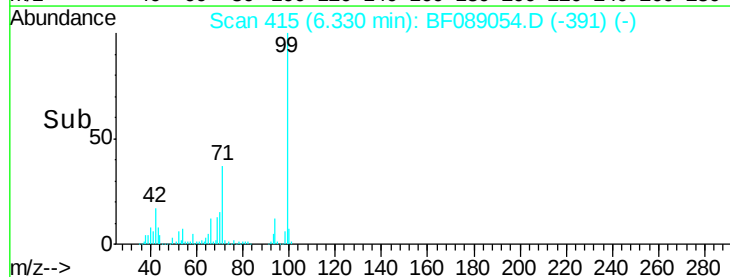
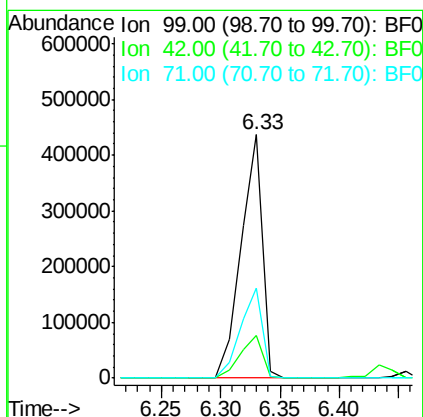
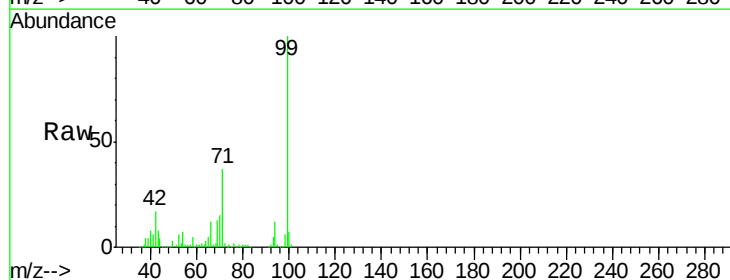
Tgt Ion: 99 Resp: 543900

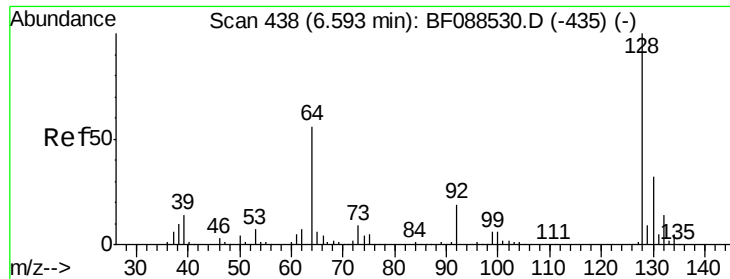
Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 37.1 23.4 35.0#





#8

2-Chlorophenol

Concen: 41.72 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

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Instrument :

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ClientSampleId :

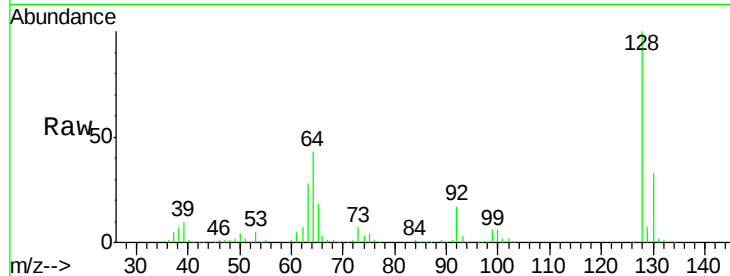
Tot Ion:128 Resp: 165985

Ion Ratio Lower Upper

128 100

130 33.0 12.0 52.0

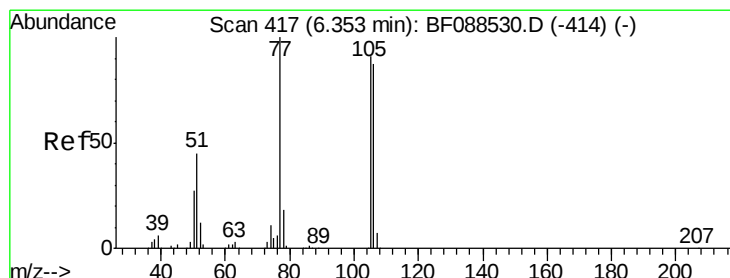
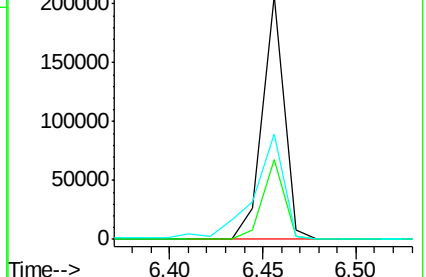
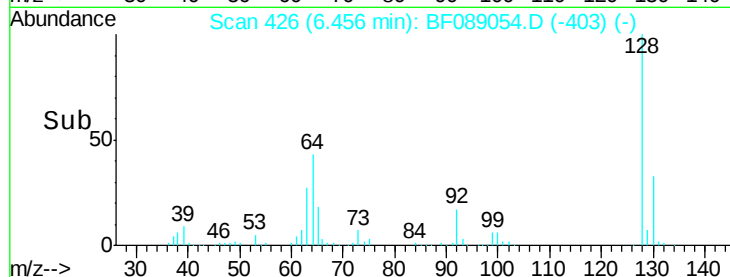
64 43.2 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 23.75 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

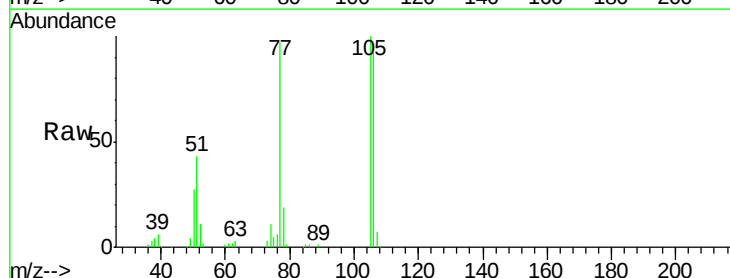
Tgt Ion: 77 Resp: 76972

Ion Ratio Lower Upper

77 100

105 103.2 90.6 130.6

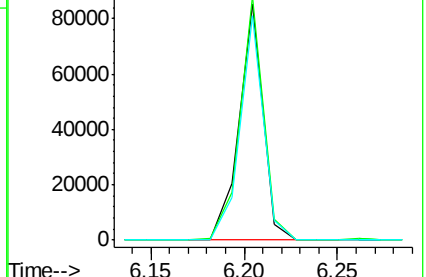
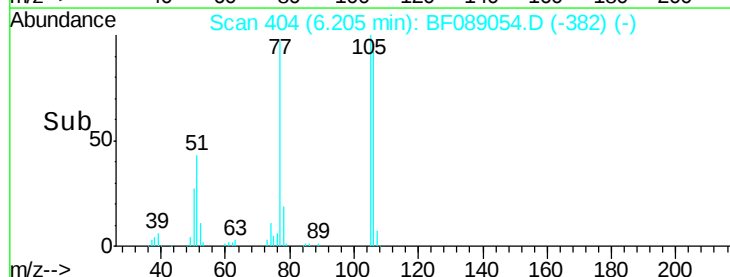
106 95.3 85.3 125.3

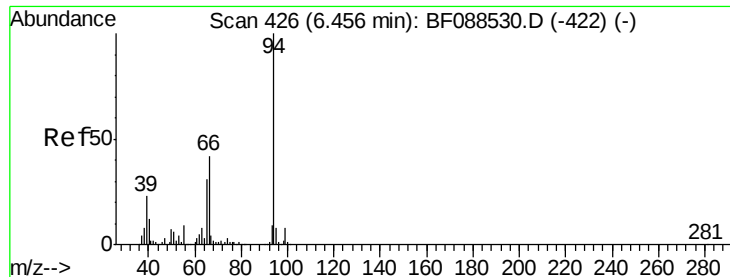


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 42.49 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampled :

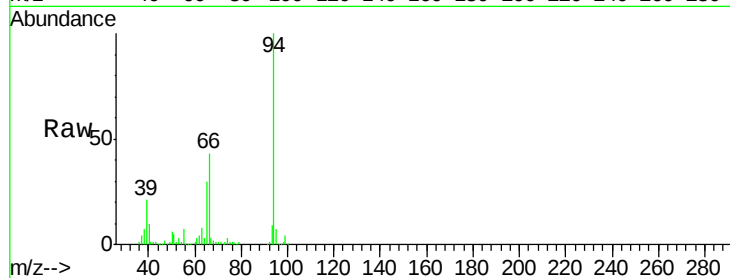
Tot Ion: 94 Resp: 231991

Ion Ratio Lower Upper

94 100

65 29.9 5.9 45.9

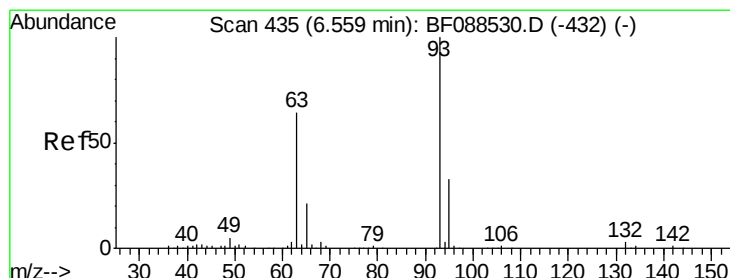
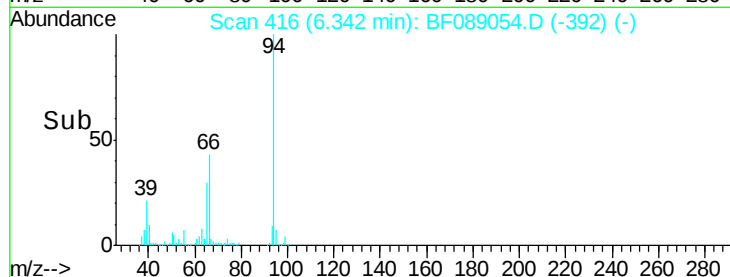
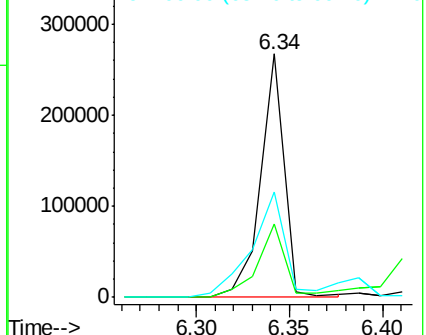
66 43.4 14.0 54.0



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: 57.52 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

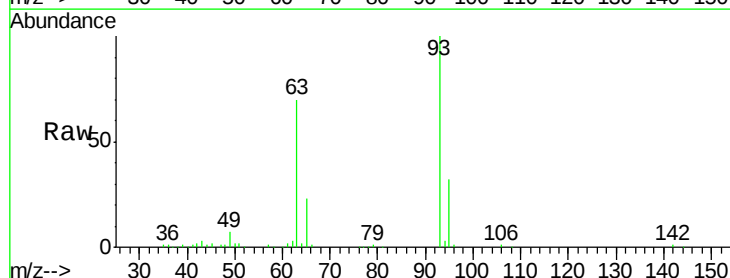
Tgt Ion: 93 Resp: 234183

Ion Ratio Lower Upper

93 100

63 70.1 67.6 107.6

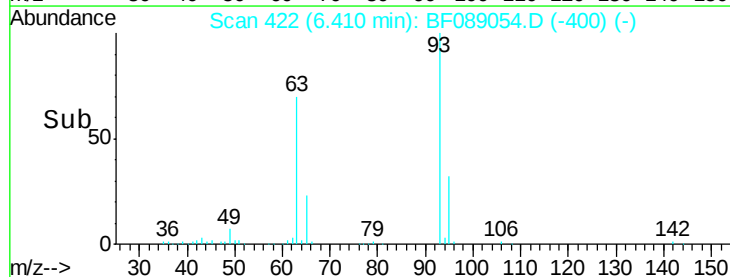
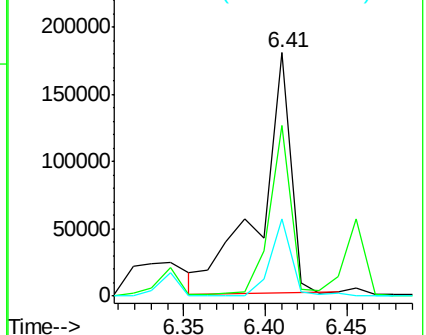
95 31.7 12.5 52.5

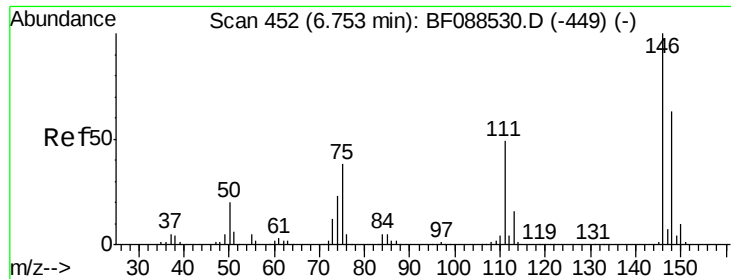


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

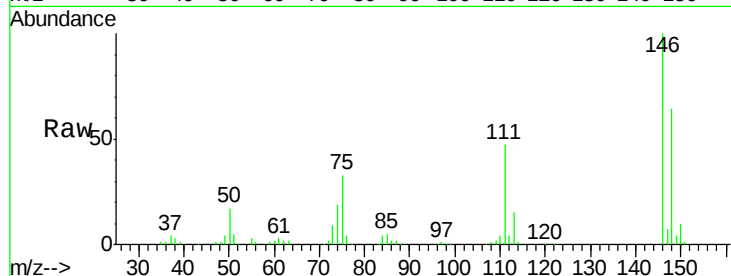




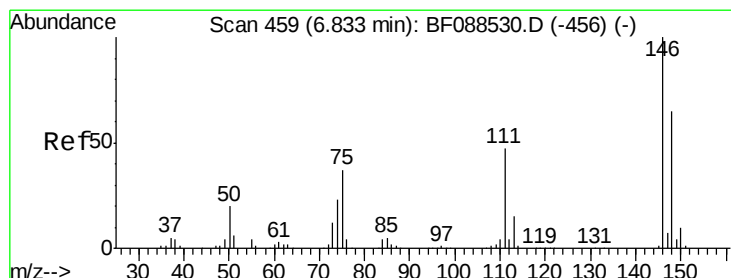
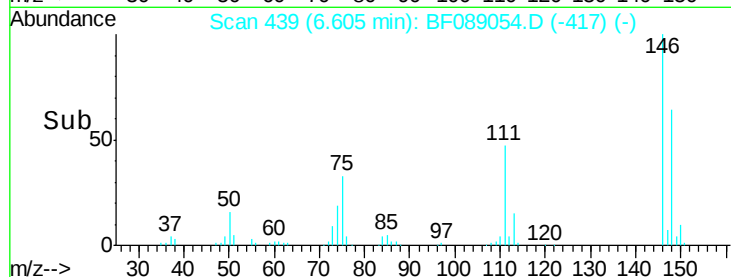
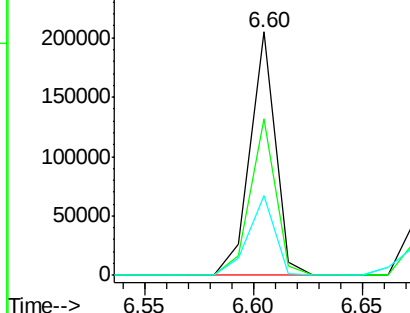
#12  
 1,3-Dichlorobenzene  
 Concen: 38.00 ng  
 RT: 6.60 min Scan# 439  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 166403  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 50.9 76.3  
 75 32.9 25.6 38.4

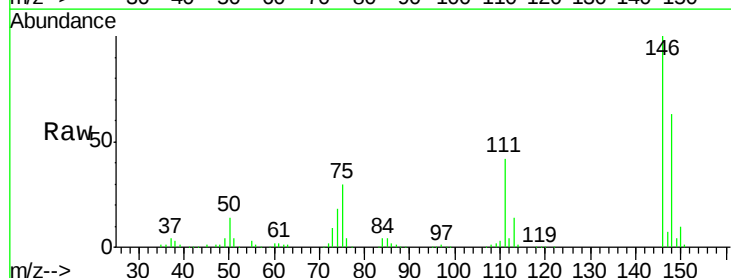


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BF0

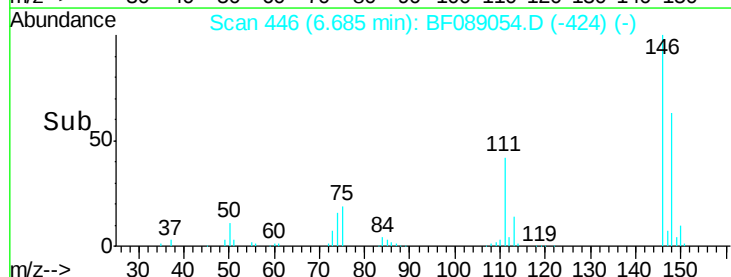
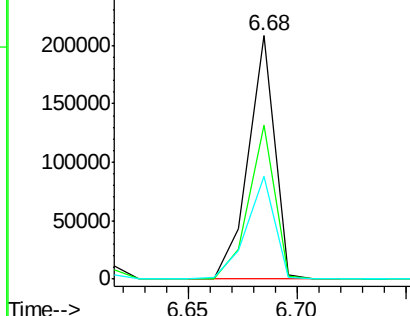


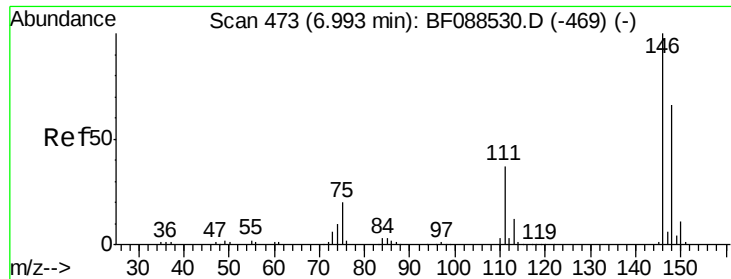
#13  
 1,4-Dichlorobenzene  
 Concen: 40.18 ng  
 RT: 6.68 min Scan# 446  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion:146 Resp: 174635  
 Ion Ratio Lower Upper  
 146 100  
 148 63.5 52.0 78.0  
 111 42.2 33.8 50.8



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

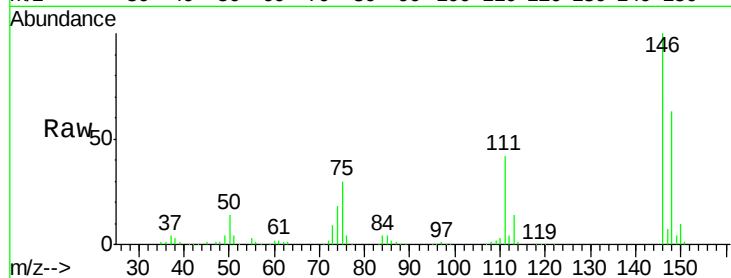




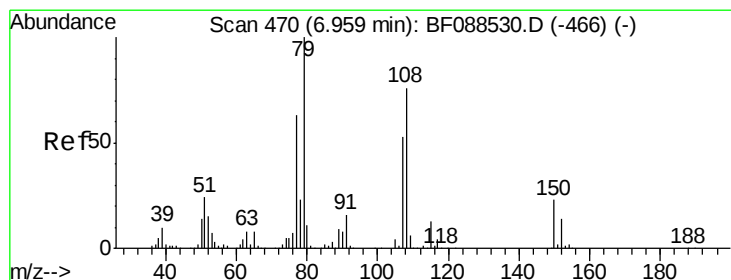
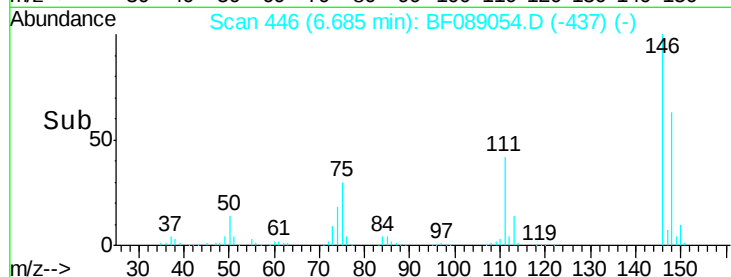
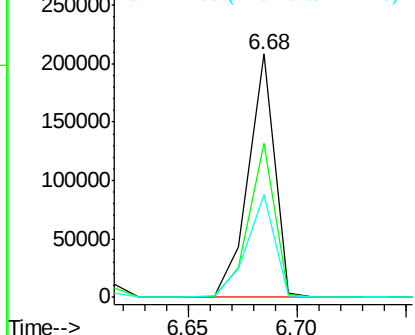
#14  
 1,2-Dichlorobenzene  
 Concen: 42.93 ng  
 RT: 6.68 min Scan# 446  
 Delta R.T. -0.19 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:146 Resp: 174635  
 Ion Ratio Lower Upper  
 146 100  
 148 63.5 52.3 78.5  
 111 42.2 28.7 43.1

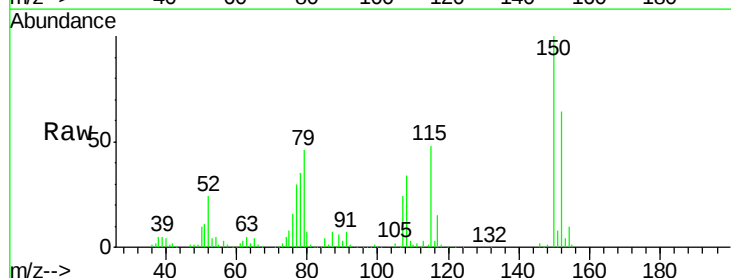


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

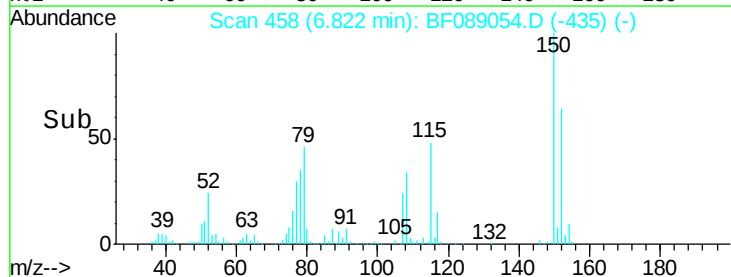
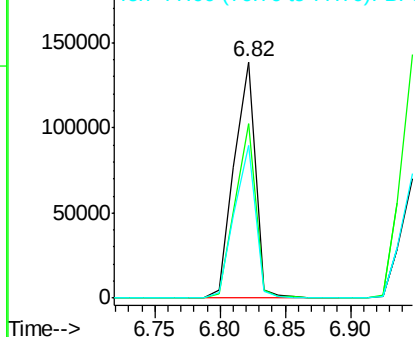


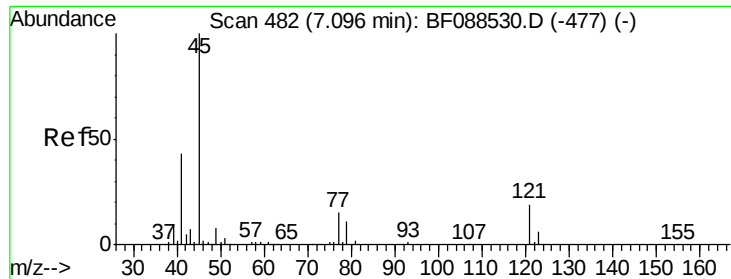
#15  
 Benzyl Alcohol  
 Concen: 44.38 ng  
 RT: 6.82 min Scan# 458  
 Delta R.T. -0.03 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion: 79 Resp: 156255  
 Ion Ratio Lower Upper  
 79 100  
 108 74.1 65.0 97.6  
 77 64.6 50.3 75.5



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

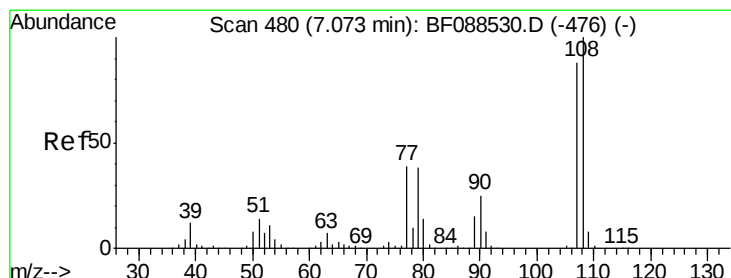
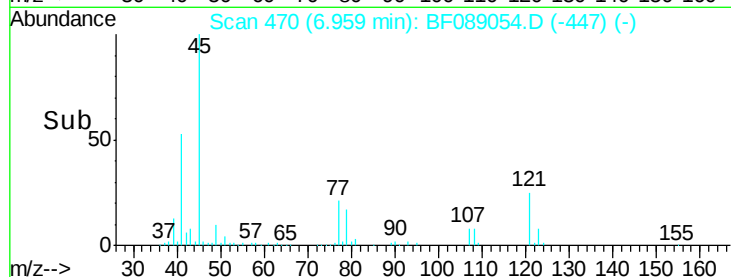
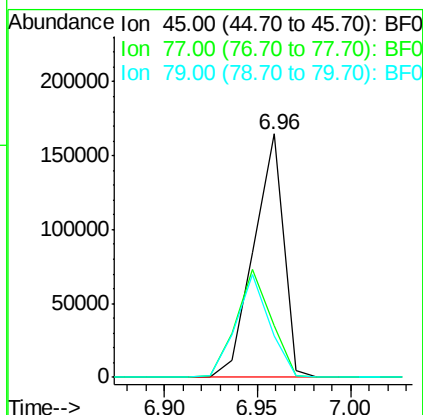
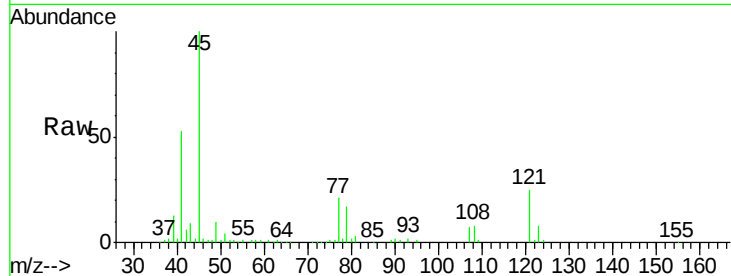




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 30.92 ng  
RT: 6.96 min Scan# 470  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

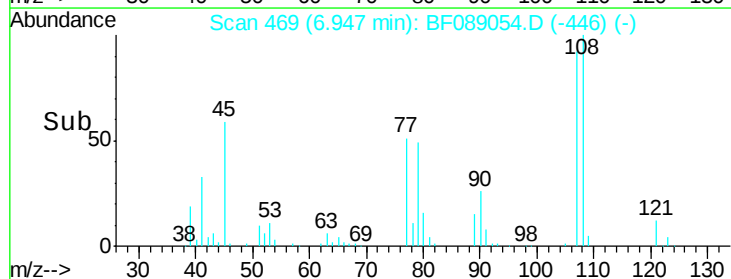
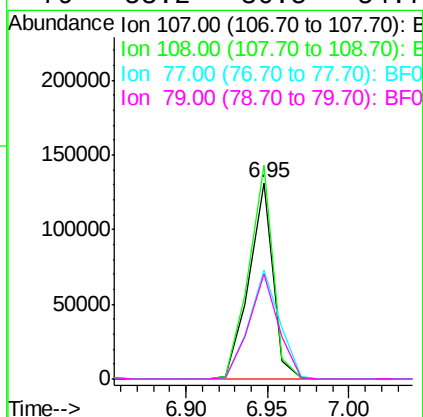
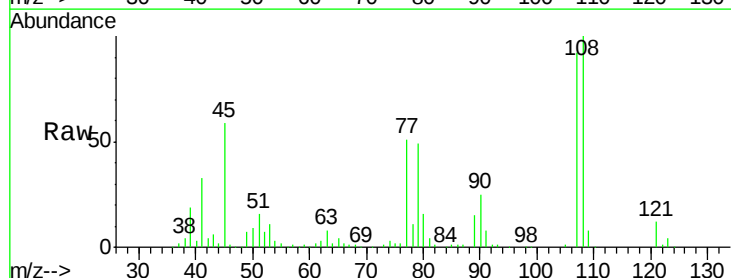
Instrument :  
BNA\_F  
ClientSampleId :

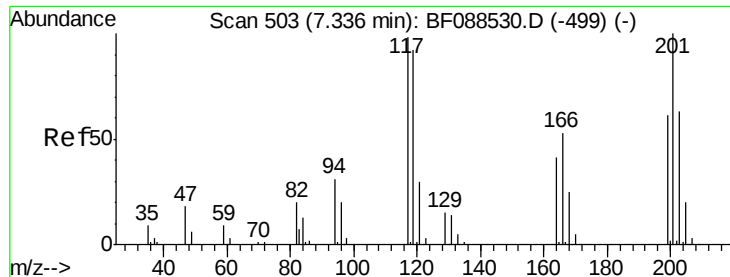
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 21.0  | 0.0   | 32.5  |
| 79      | 17.1  | 0.0   | 29.5  |



#17  
2-Methylphenol  
Concen: 41.37 ng  
RT: 6.95 min Scan# 469  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.0 | 90.9  | 136.3 |
| 77      | 55.7  | 36.6  | 55.0# |
| 79      | 53.2  | 36.5  | 54.7  |

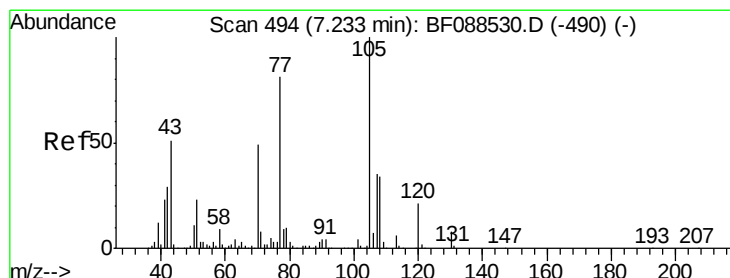
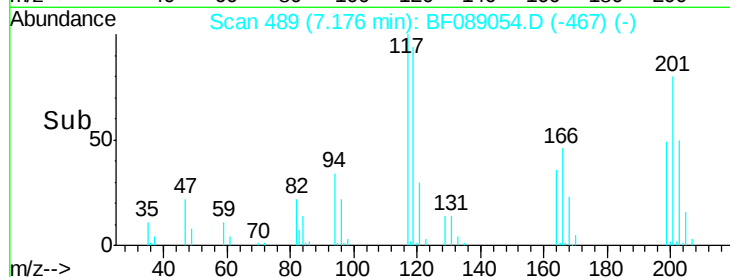
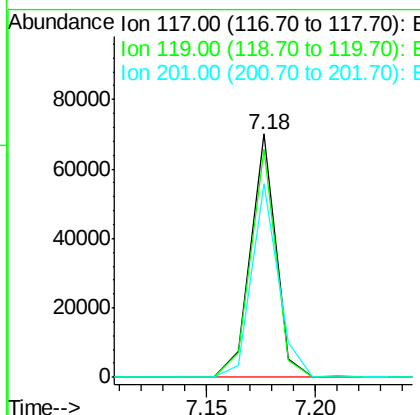
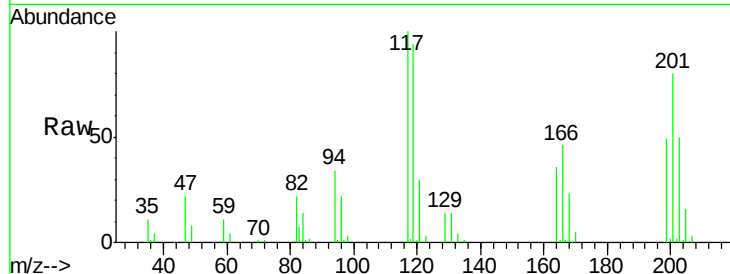




#18  
Hexachloroethane  
Concen: 33.91 ng  
RT: 7.18 min Scan# 489  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

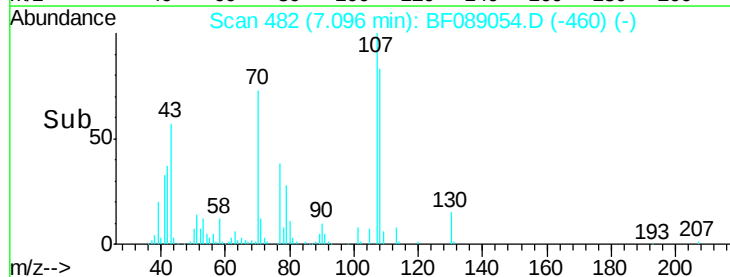
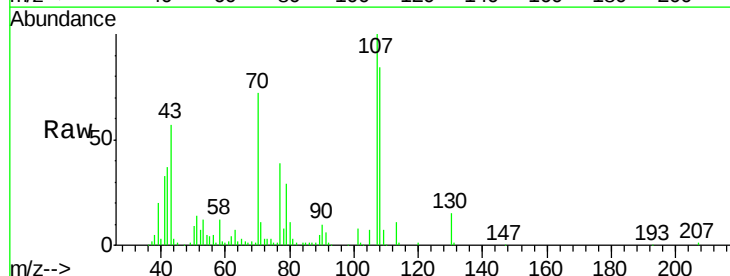
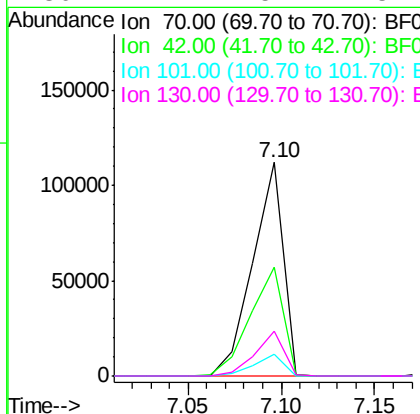
Instrument :  
BNA\_F  
ClientSampled :

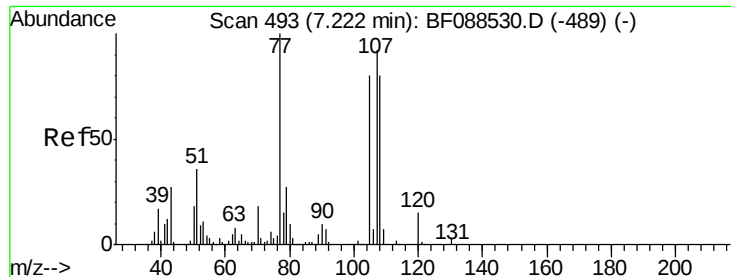
Tot Ion:117 Resp: 57010  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.4 116.2  
201 79.8 80.4 120.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 39.54 ng  
RT: 7.10 min Scan# 482  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion: 70 Resp: 127049  
Ion Ratio Lower Upper  
70 100  
42 50.9 49.6 74.4  
101 10.4 7.1 10.7  
130 21.2 15.4 23.2





#20

3+4-Methylphenols

Concen: 41.26 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 160725

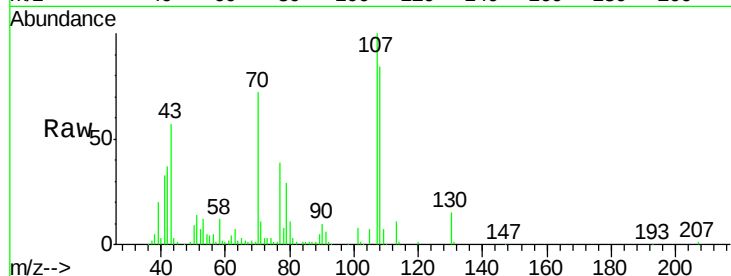
Ion Ratio Lower Upper

107 100

108 83.6 67.8 107.8

77 38.9 59.3 99.3#

79 29.0 7.0 47.0

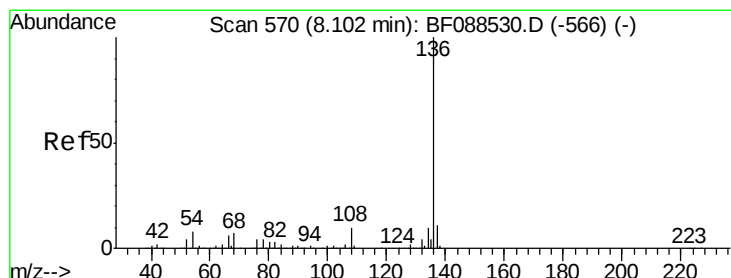
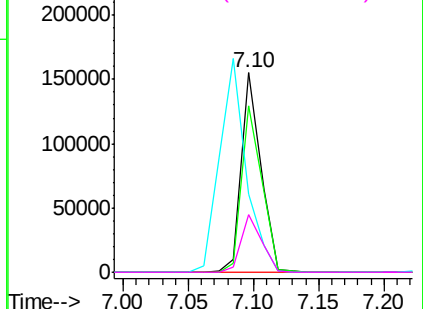
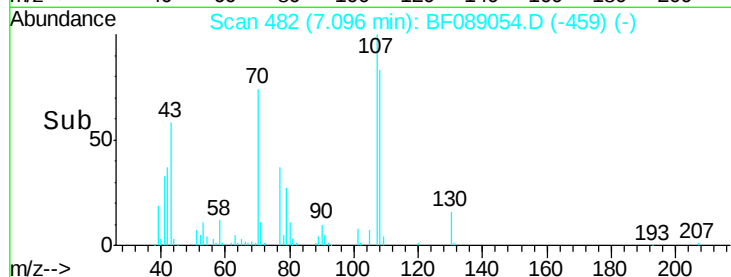


Abundance Ion 107.00 (106.70 to 107.70): E

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: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Tgt Ion:136 Resp: 224200

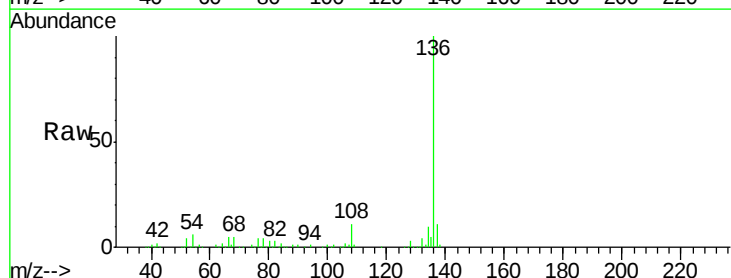
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.3 6.6 10.0#

68 5.2 5.1 7.7

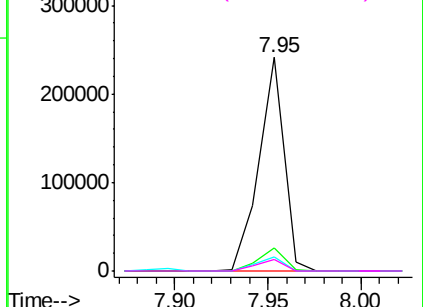
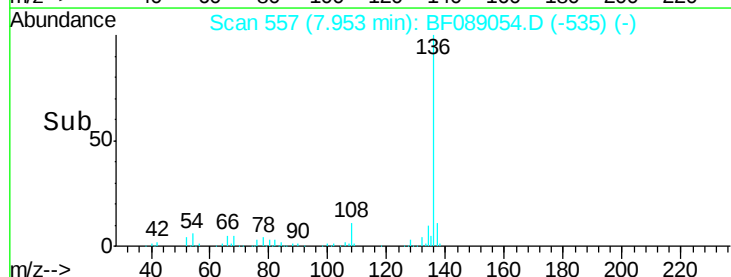


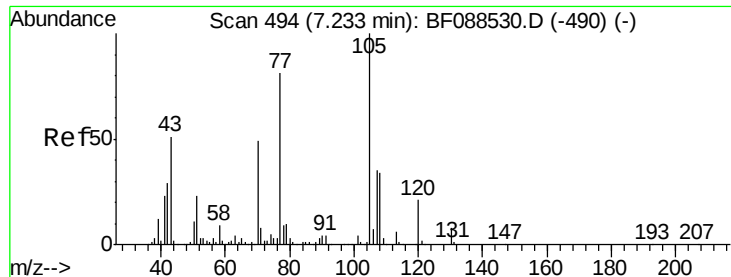
Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.92 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:105 Resp: 233551

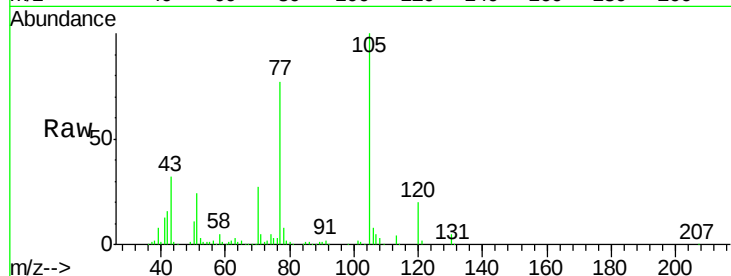
Ion Ratio Lower Upper

105 100

71 4.6 5.3 7.9#

51 24.1 18.2 27.4

120 20.3 18.0 27.0

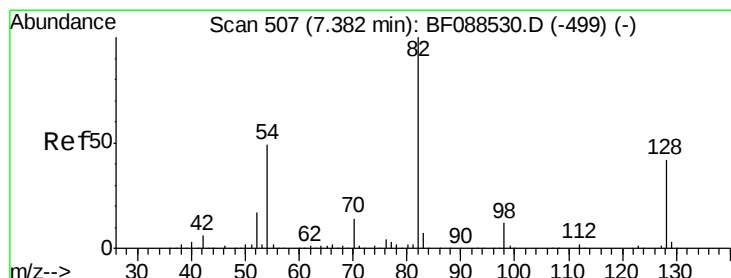
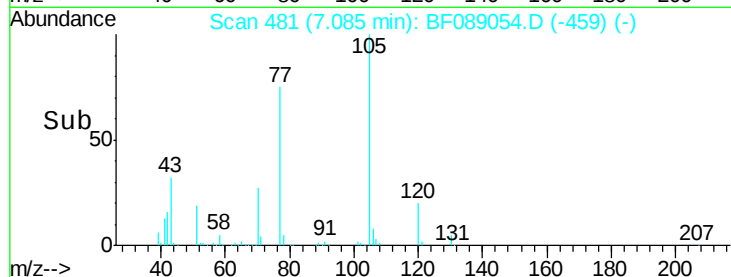
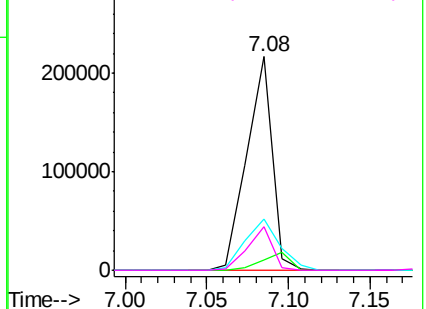


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.24 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

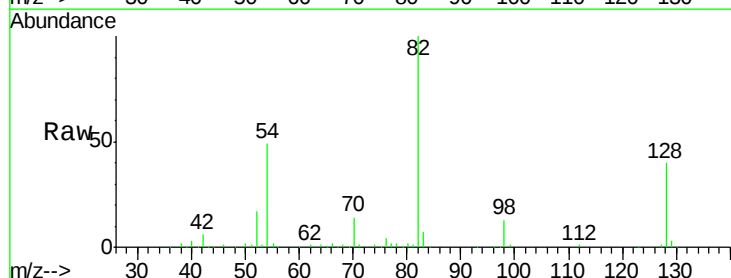
Tgt Ion: 82 Resp: 313320

Ion Ratio Lower Upper

82 100

128 39.5 35.9 53.9

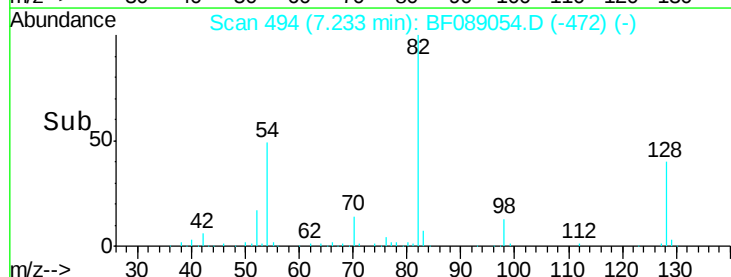
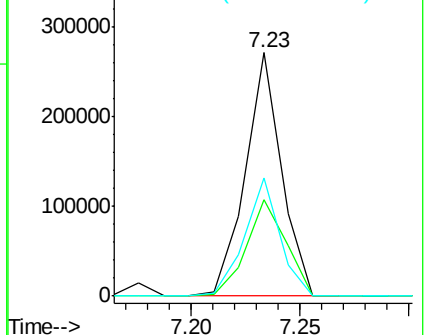
54 48.7 40.9 61.3

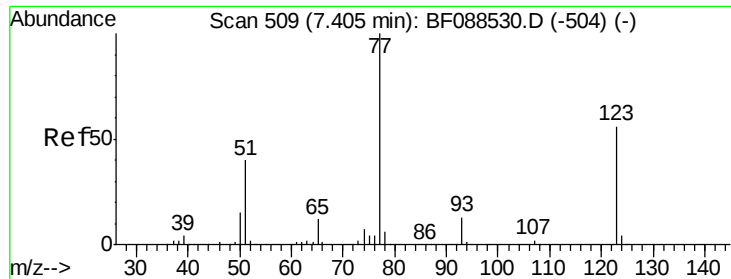


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 45.26 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampled :

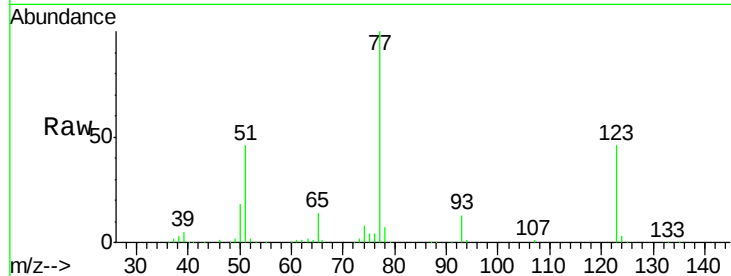
Tot Ion: 77 Resp: 195225

Ion Ratio Lower Upper

77 100

123 45.6 45.0 67.4

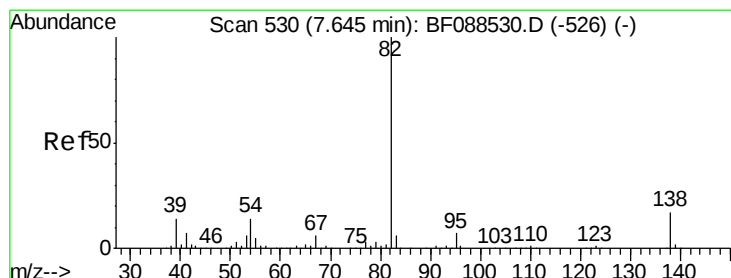
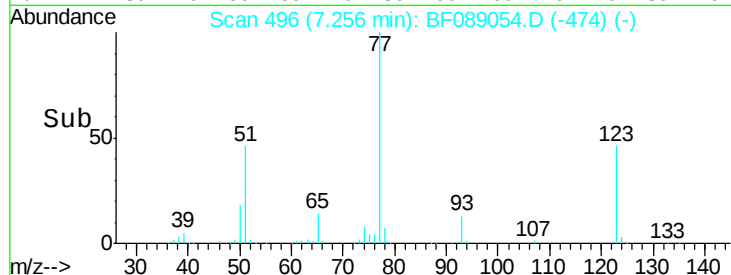
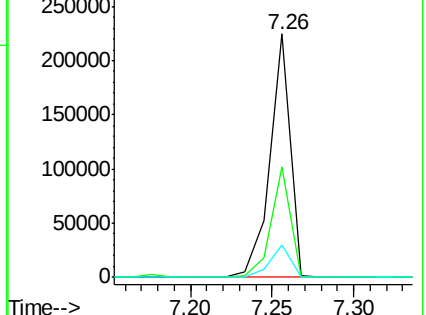
65 13.6 10.2 15.2



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: 39.27 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

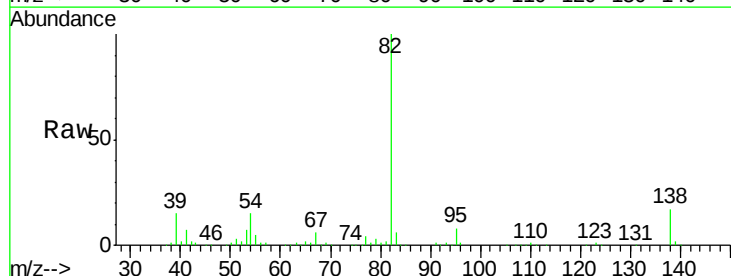
Tgt Ion: 82 Resp: 311217

Ion Ratio Lower Upper

82 100

95 7.9 5.4 8.2

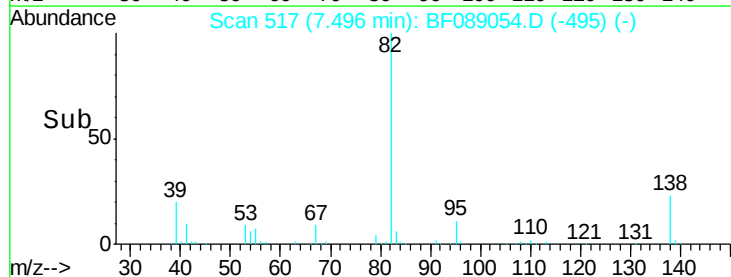
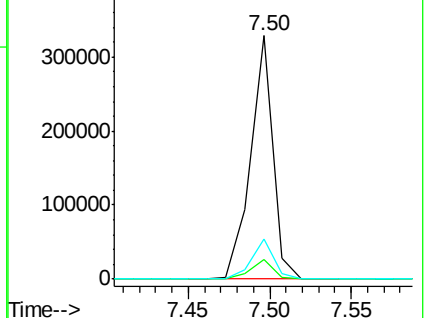
138 16.7 14.6 21.8

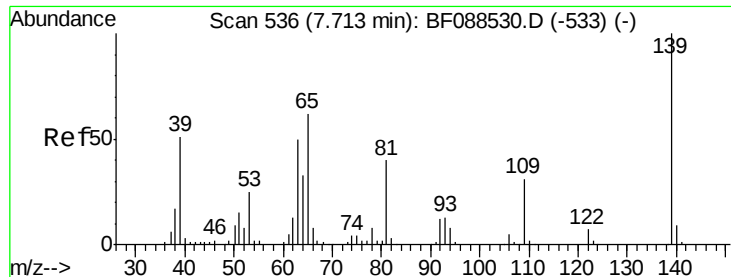


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

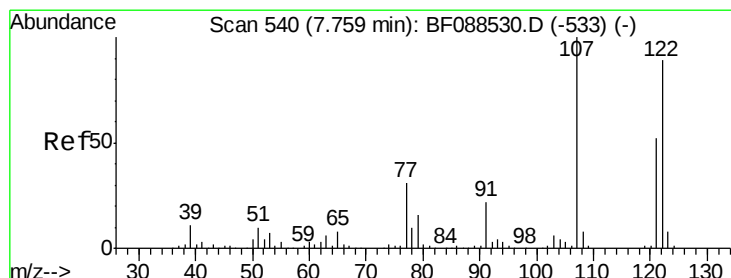
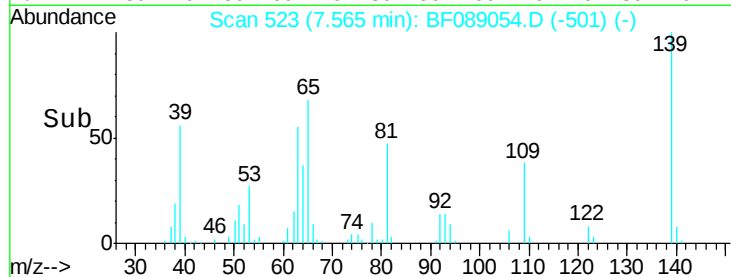
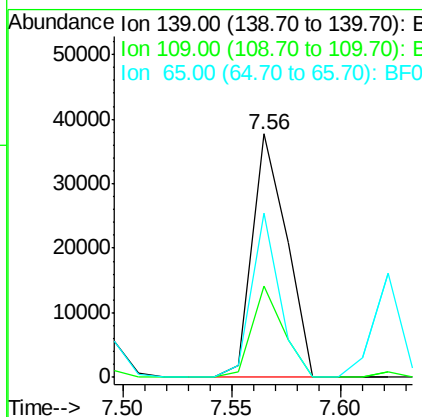
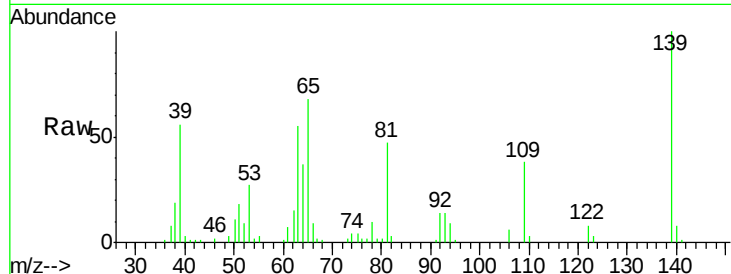




#26  
2-Nitrophenol  
Concen: 23.44 ng  
RT: 7.56 min Scan# 523  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

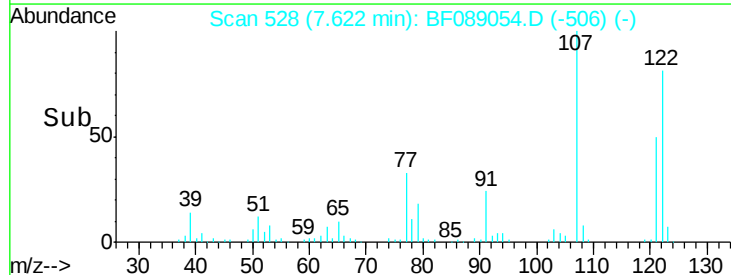
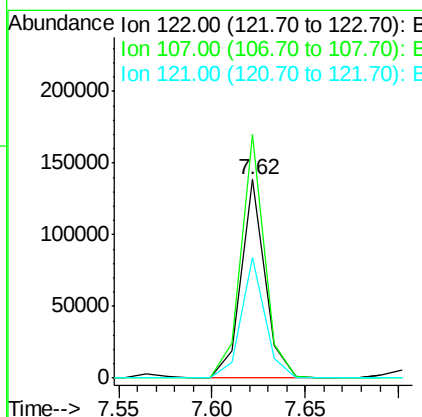
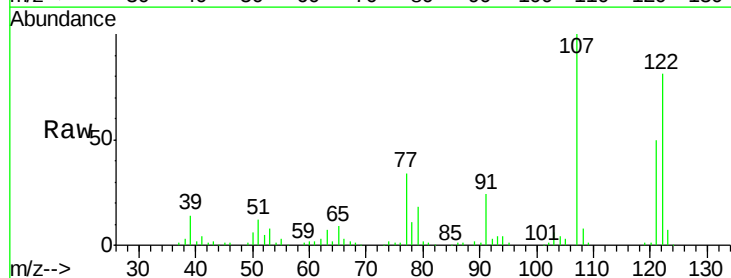
Instrument :  
BNA\_F  
ClientSampled :

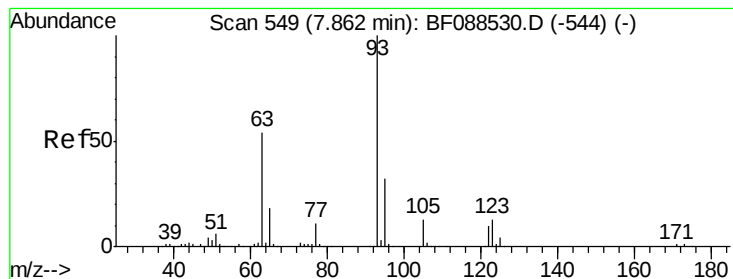
Tot Ion:139 Resp: 41455  
Ion Ratio Lower Upper  
139 100  
109 37.7 23.0 34.4#  
65 67.6 45.8 68.8



#27  
2,4-Dimethylphenol  
Concen: 33.80 ng  
RT: 7.62 min Scan# 528  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:122 Resp: 124511  
Ion Ratio Lower Upper  
122 100  
107 122.8 82.4 123.6  
121 61.1 46.3 69.5





#28

bis(2-Chloroethoxy)methane

Concen: 39.06 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

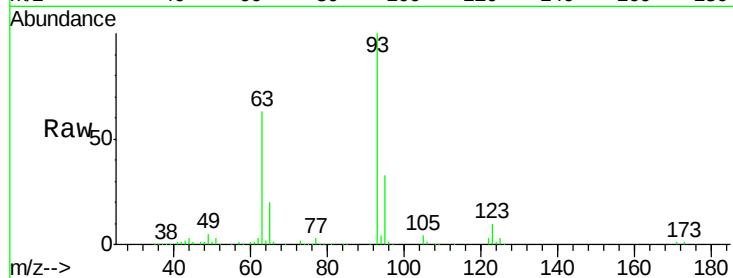
Tot Ion: 93 Resp: 201439

Ion Ratio Lower Upper

93 100

95 32.6 26.5 39.7

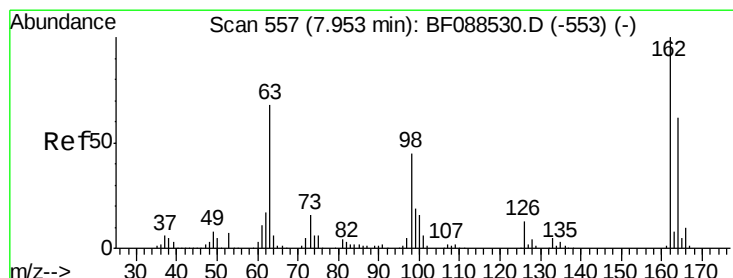
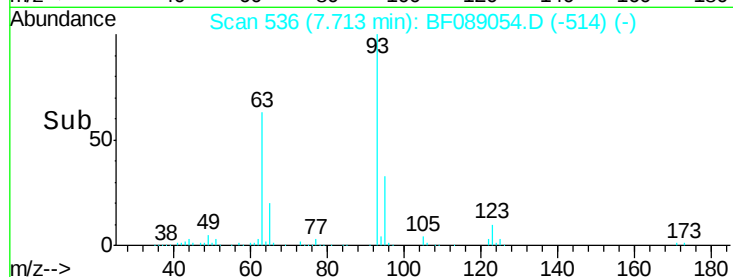
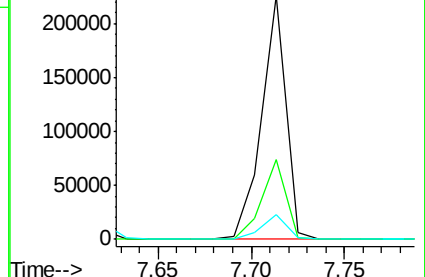
123 10.2 11.6 17.4#



Abundance Ion 93.00 (92.70 to 93.70): BF088530.D (-544) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-544) (-)

Ion 123.00 (122.70 to 123.70): BF088530.D (-544) (-)



#29

2,4-Dichlorophenol

Concen: 37.30 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

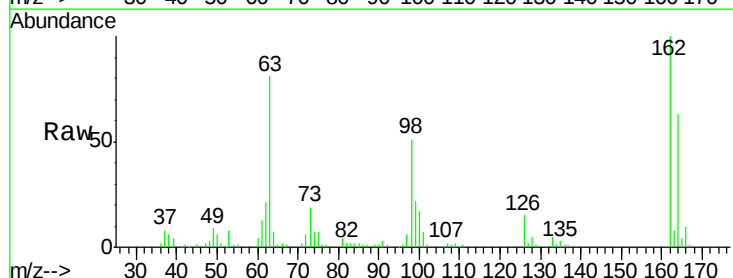
Tgt Ion: 162 Resp: 111058

Ion Ratio Lower Upper

162 100

164 63.3 43.8 83.8

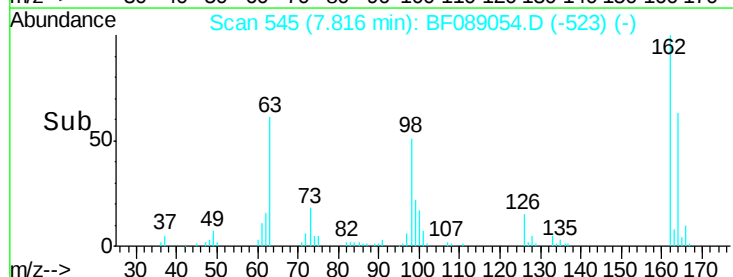
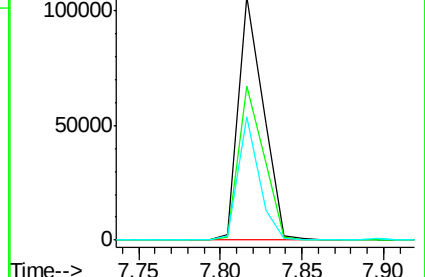
98 50.9 21.3 61.3

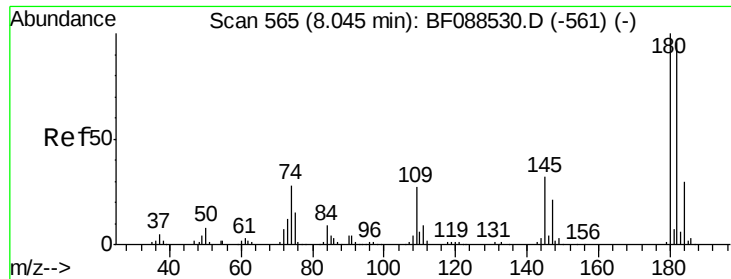


Abundance Ion 162.00 (161.70 to 162.70): BF088530.D (-553) (-)

Ion 164.00 (163.70 to 164.70): BF088530.D (-553) (-)

Ion 98.00 (97.70 to 98.70): BF088530.D (-553) (-)

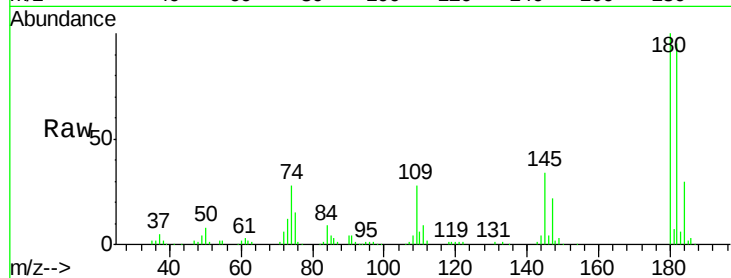




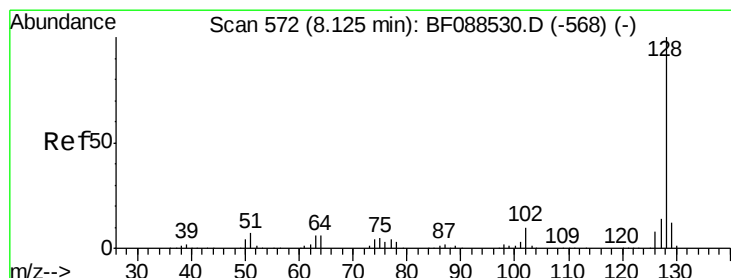
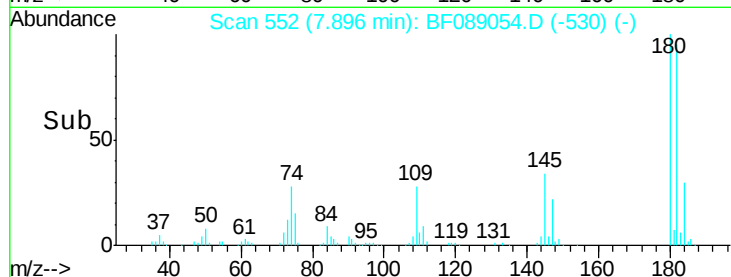
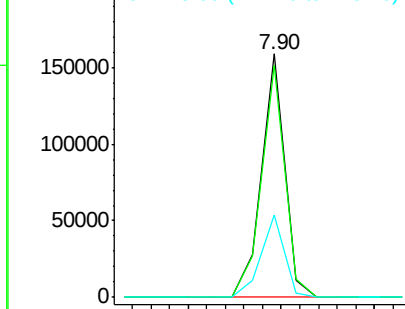
#30  
1,2,4-Trichlorobenzene  
Concen: 41.78 ng  
RT: 7.90 min Scan# 552  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:180 Resp: 136512  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.0 114.0  
145 33.8 26.5 39.7

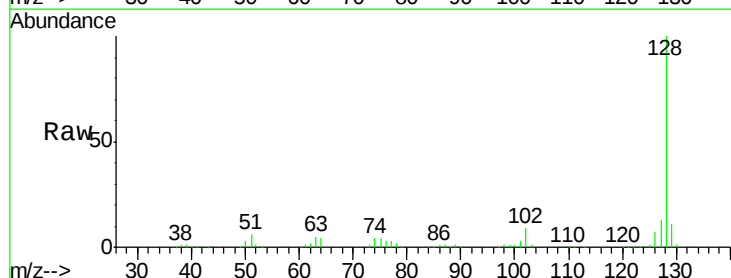


Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

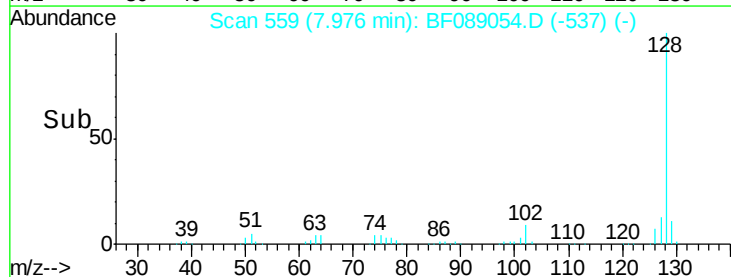
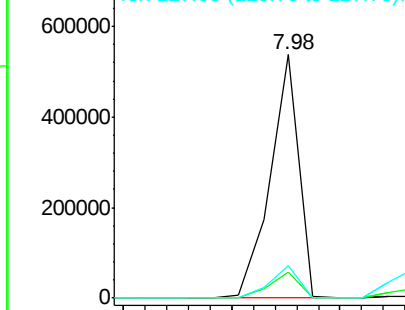


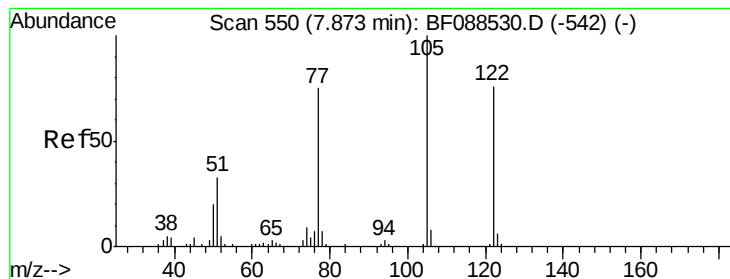
#31  
Naphthalene  
Concen: 44.77 ng  
RT: 7.98 min Scan# 559  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:128 Resp: 494862  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.4 14.2  
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 4.86 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.09 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

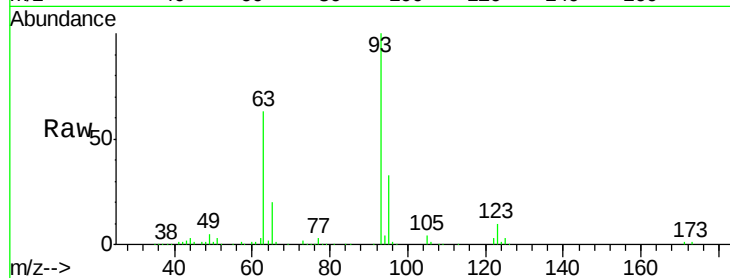
Tot Ion:122 Resp: 13002

Ion Ratio Lower Upper

122 100

105 124.1 101.6 141.6

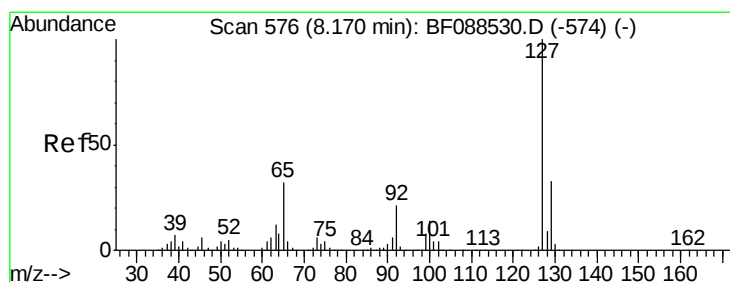
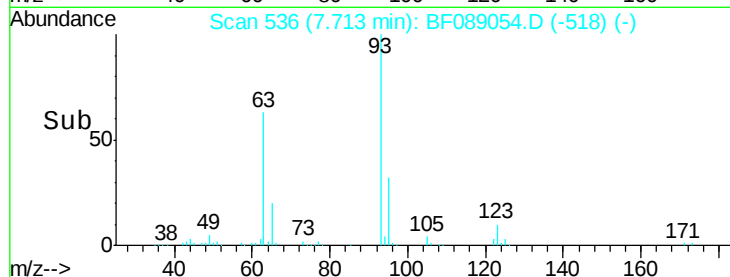
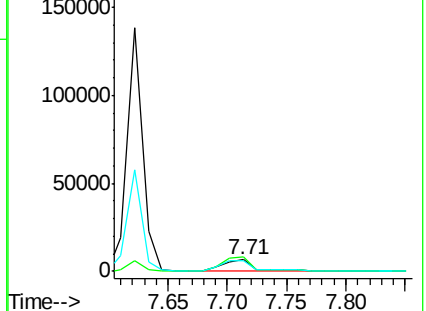
77 90.8 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 24.94 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Tgt Ion:127 Resp: 122659

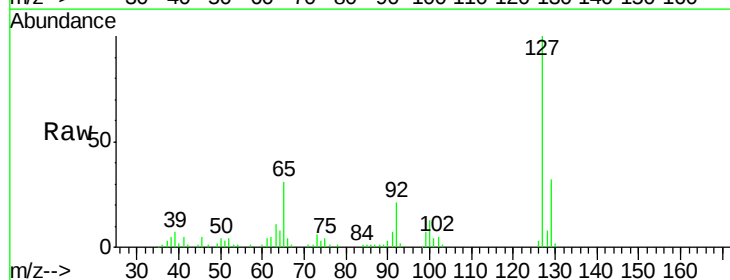
Ion Ratio Lower Upper

127 100

129 32.0 26.3 39.5

65 31.1 24.7 37.1

92 20.6 15.4 23.0

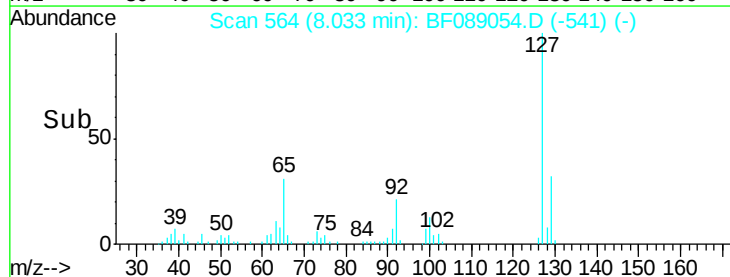
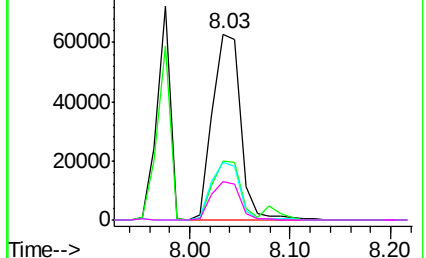


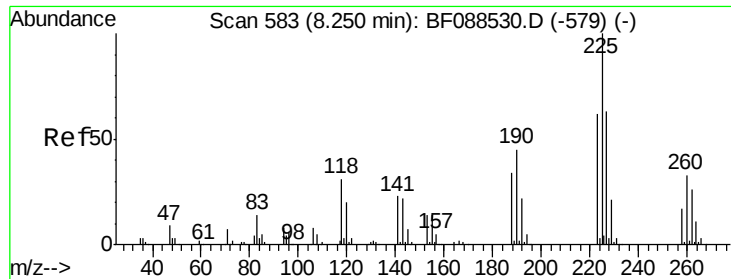
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 39.69 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

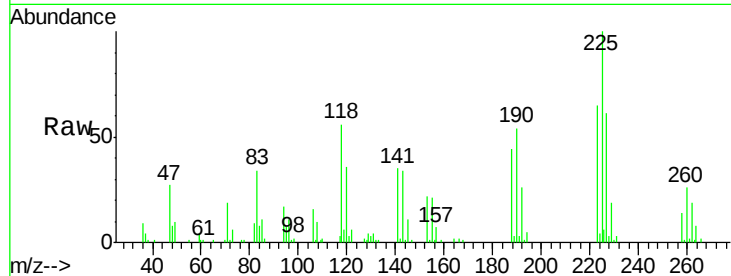
Tot Ion:225 Resp: 69448

Ion Ratio Lower Upper

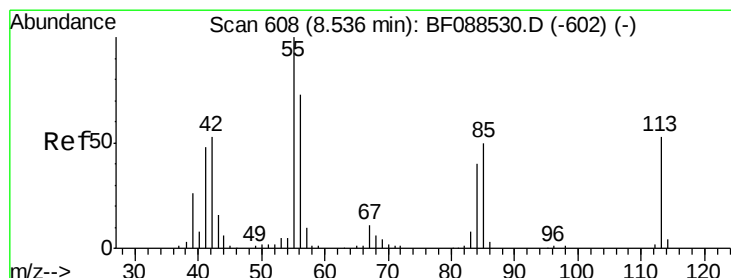
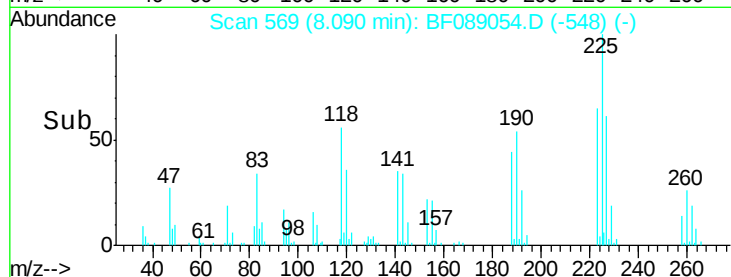
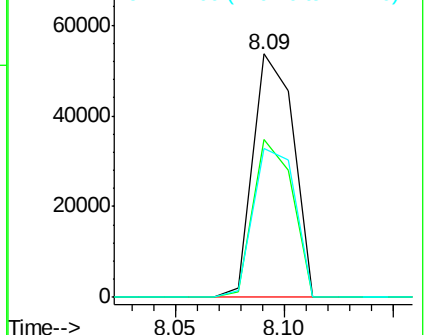
225 100

223 64.8 50.9 76.3

227 61.3 51.9 77.9



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: 30.46 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

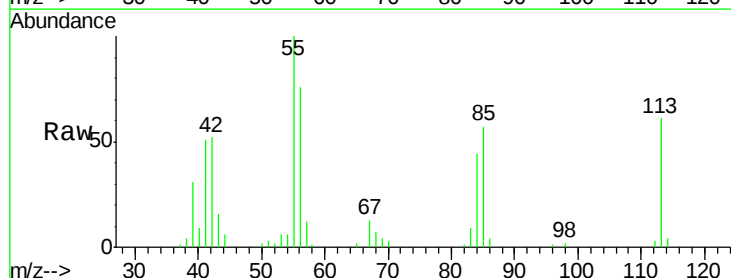
Tgt Ion:113 Resp: 30807

Ion Ratio Lower Upper

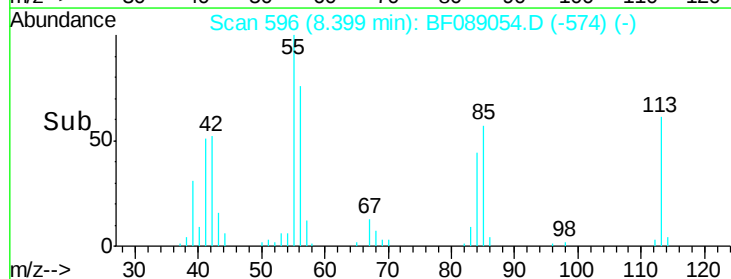
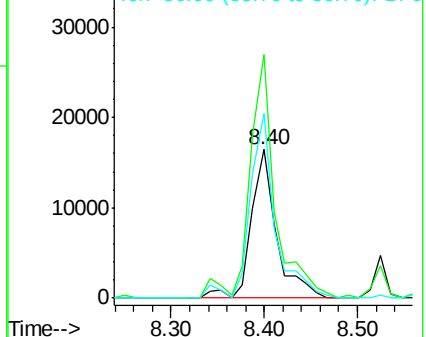
113 100

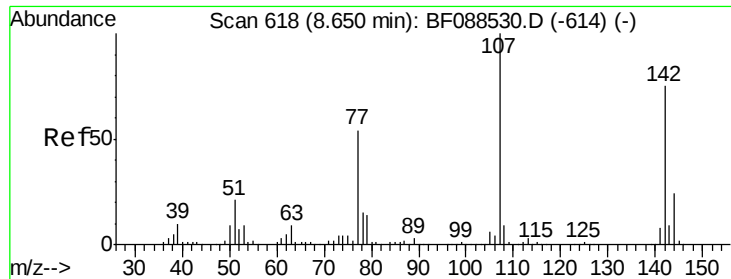
55 163.6 158.6 198.6

56 124.4 110.6 150.6



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

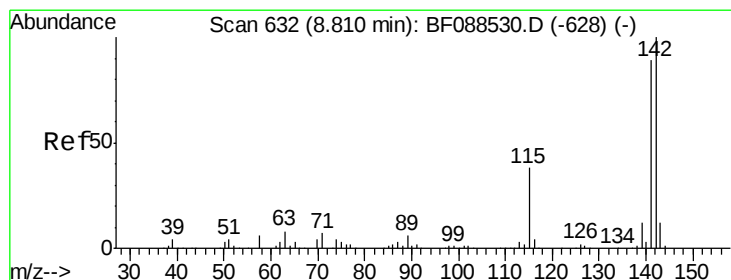
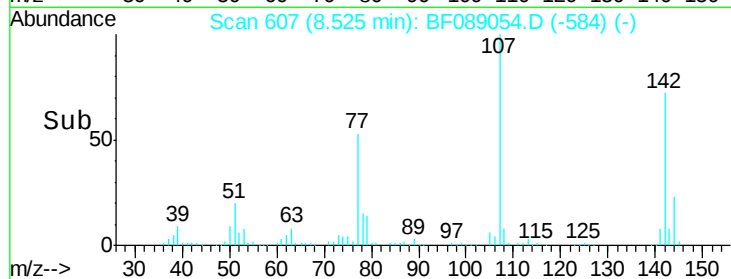
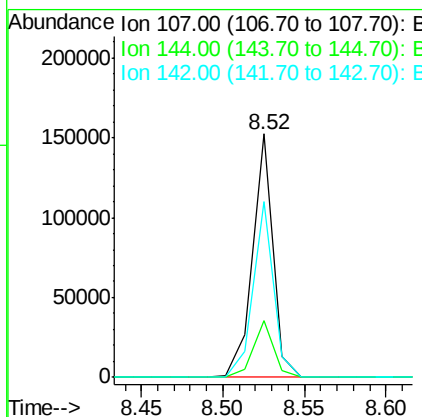
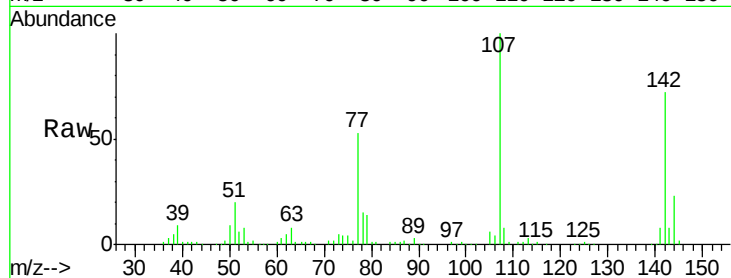




#36  
 4-Chloro-3-methylphenol  
 Concen: 37.82 ng  
 RT: 8.52 min Scan# 607  
 Delta R.T. -0.03 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

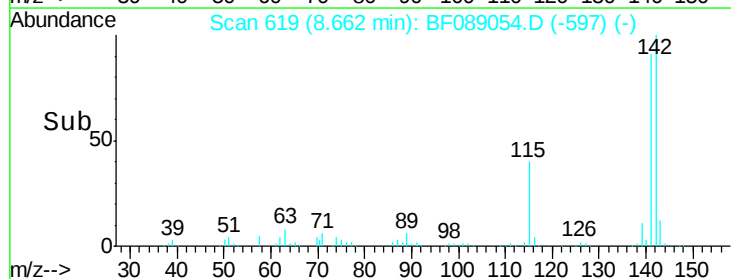
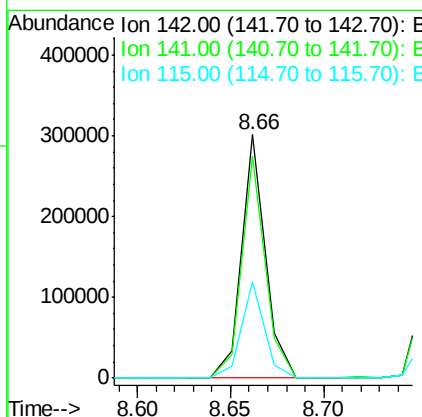
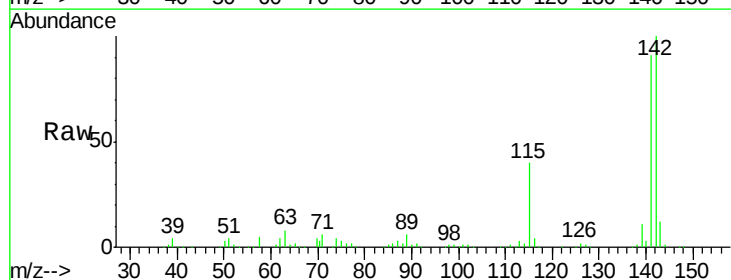
Instrument :  
 BNA\_F  
 ClientSampleId :

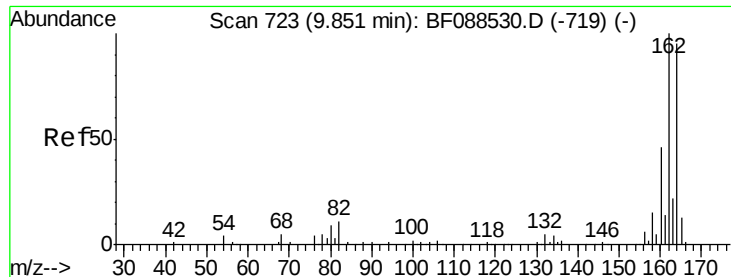
Tot Ion:107 Resp: 133171  
 Ion Ratio Lower Upper  
 107 100  
 144 23.4 20.8 31.2  
 142 72.0 63.4 95.2



#37  
 2-Methylnaphthalene  
 Concen: 37.81 ng  
 RT: 8.66 min Scan# 619  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion:142 Resp: 269068  
 Ion Ratio Lower Upper  
 142 100  
 141 90.9 71.0 106.6  
 115 39.8 22.6 33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampled :

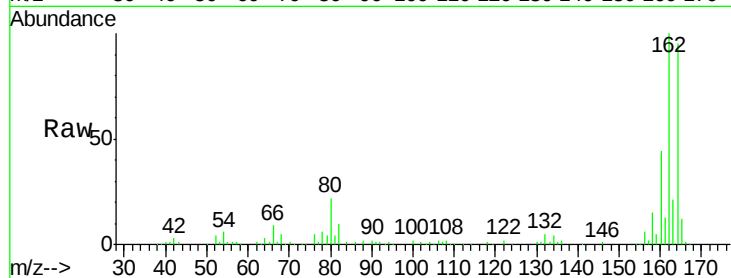
Tot Ion:164 Resp: 92469

Ion Ratio Lower Upper

164 100

162 105.4 85.4 128.2

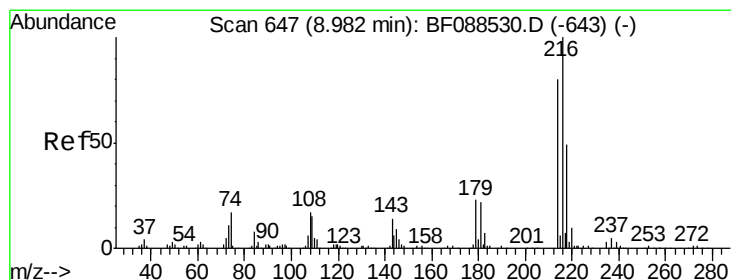
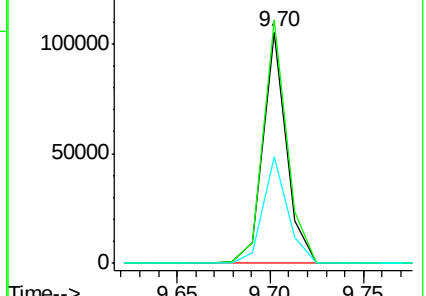
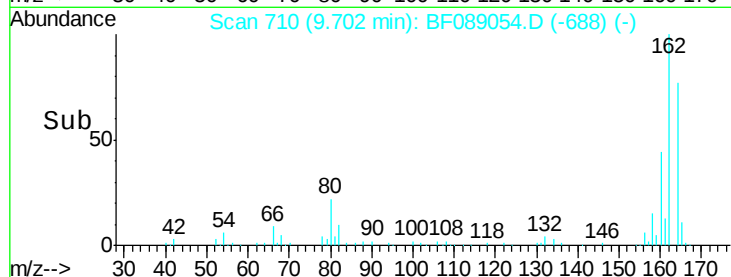
160 46.2 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.54 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Tgt Ion:216 Resp: 130833

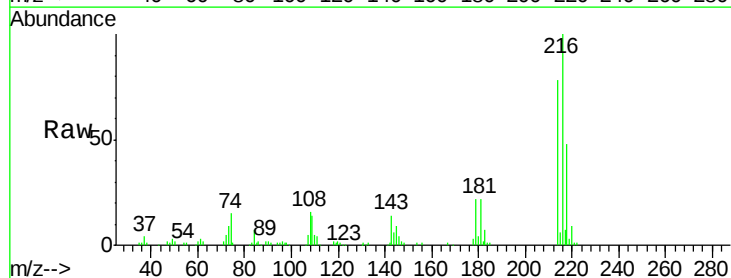
Ion Ratio Lower Upper

216 100

214 78.2 2.9 4.3#

179 22.9 0.0 0.0#

108 18.9 0.5 0.7#

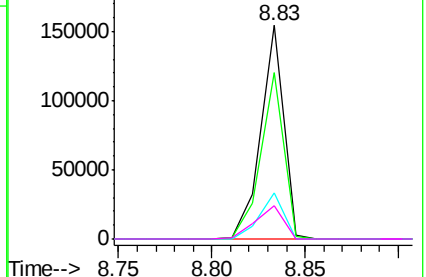
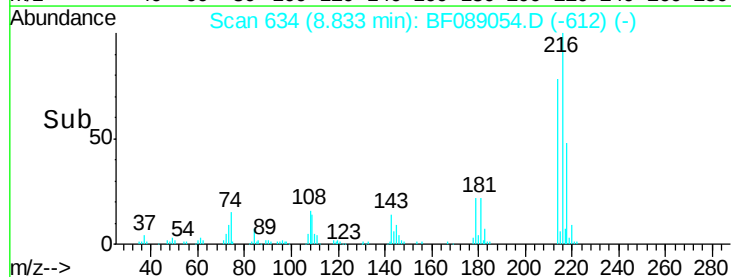


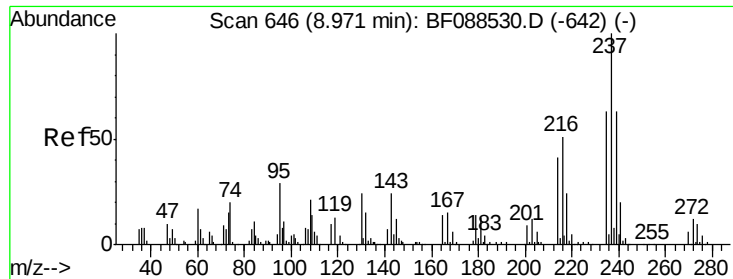
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

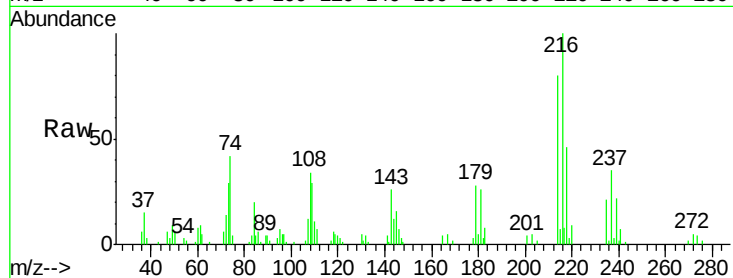




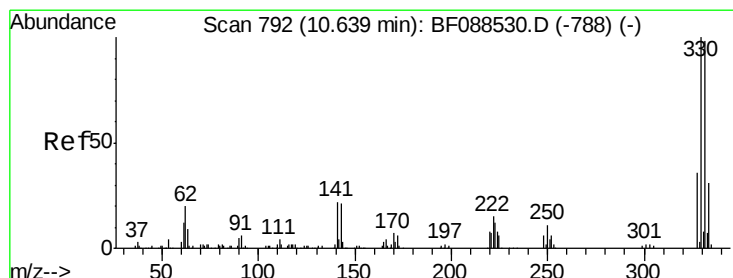
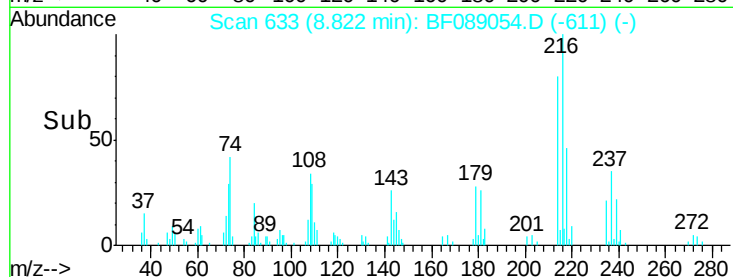
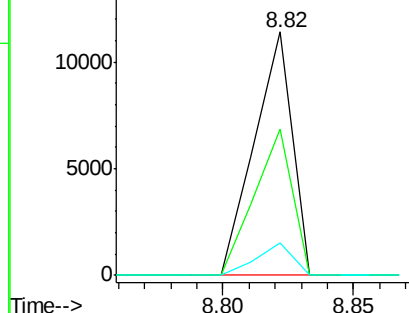
#40  
Hexachlorocyclopentadiene  
Concen: 7.70 ng  
RT: 8.82 min Scan# 633  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:237 Resp: 11627  
Ion Ratio Lower Upper  
237 100  
235 59.9 43.4 83.4  
272 13.4 0.0 32.3

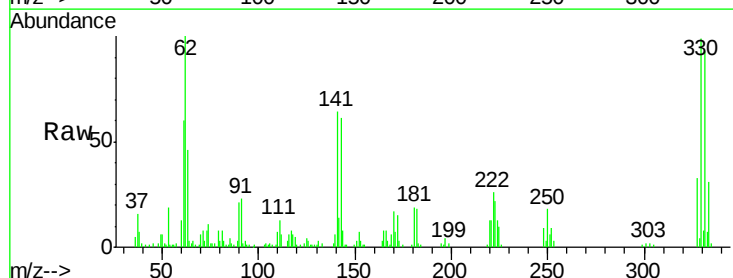


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

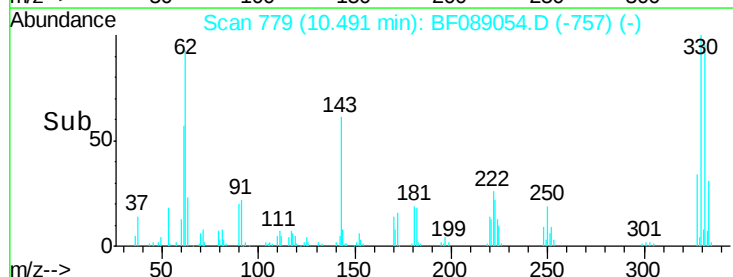
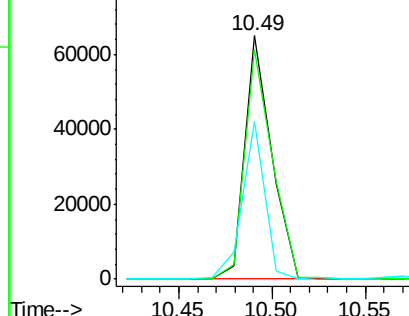


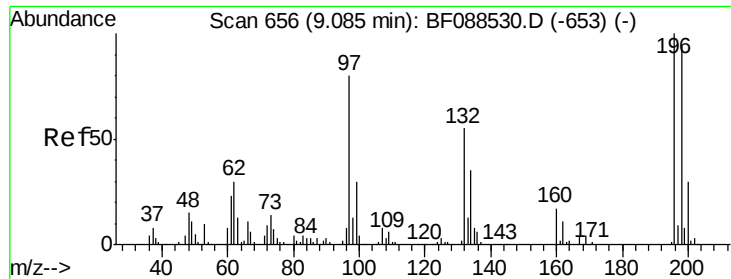
#41  
2,4,6-Tribromophenol  
Concen: 75.49 ng  
RT: 10.49 min Scan# 779  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:330 Resp: 64822  
Ion Ratio Lower Upper  
330 100  
332 97.7 0.0 0.0#  
141 55.2 0.0 0.0#



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

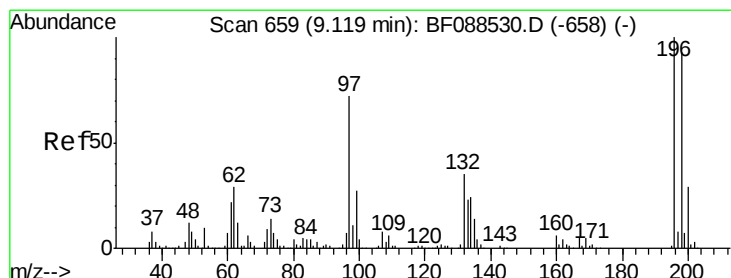
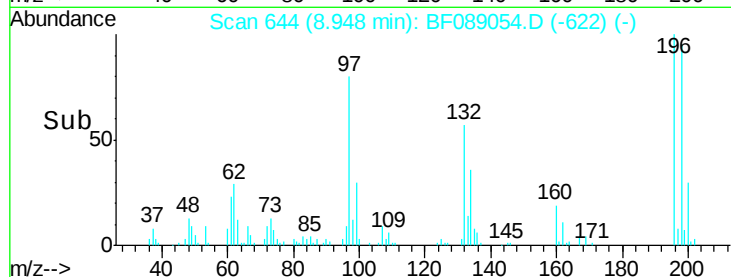
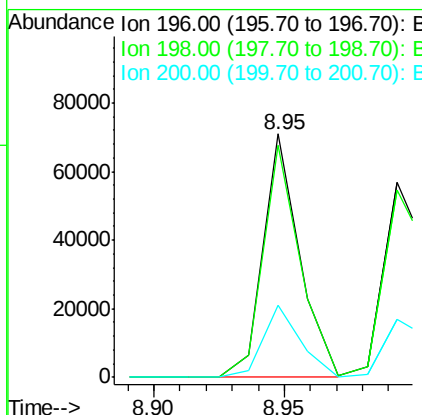
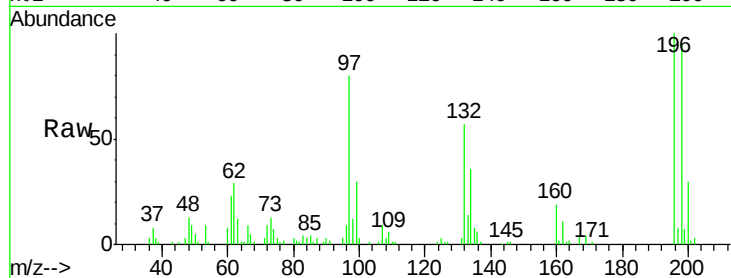




#42  
 2,4,6-Trichlorophenol  
 Concen: 34.16 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

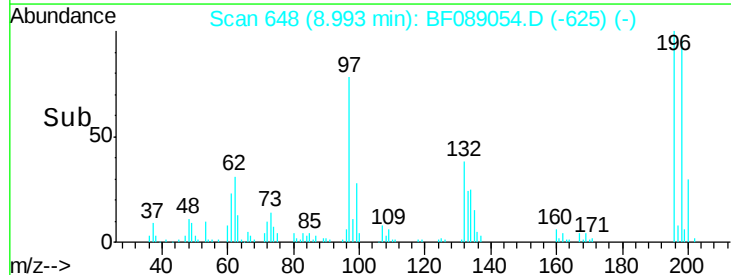
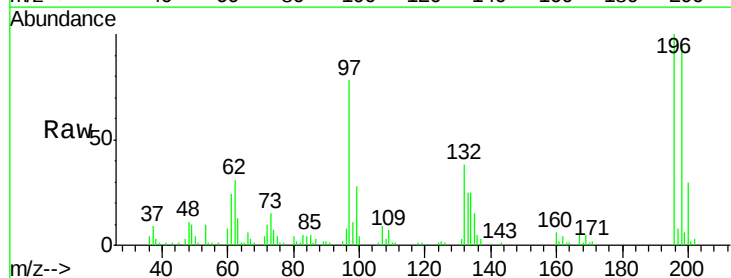
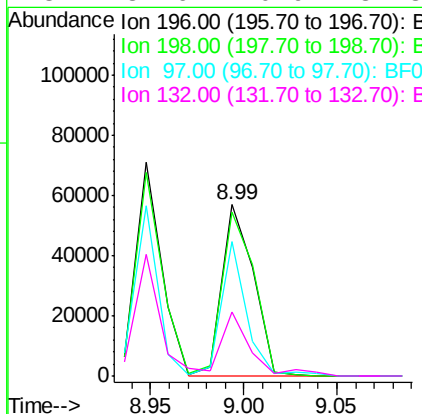
Instrument :  
 BNA\_F  
 ClientSampled :

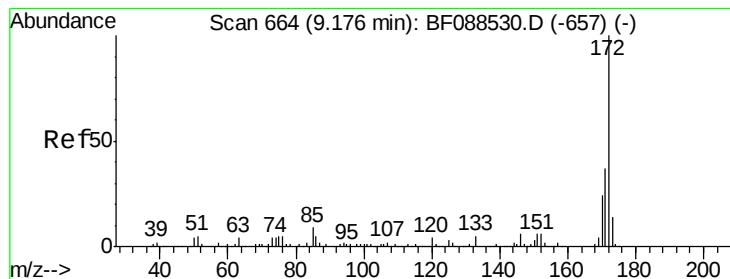
Tot Ion:196 Resp: 69279  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 78.0 117.0  
 200 29.8 25.4 38.2



#43  
 2,4,5-Trichlorophenol  
 Concen: 38.47 ng  
 RT: 8.99 min Scan# 648  
 Delta R.T. -0.03 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion:196 Resp: 67115  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 77.5 116.3  
 97 78.5 32.0 48.0#  
 132 37.6 20.9 31.3#





#44

2-Fluorobiphenyl

Concen: 95.05 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

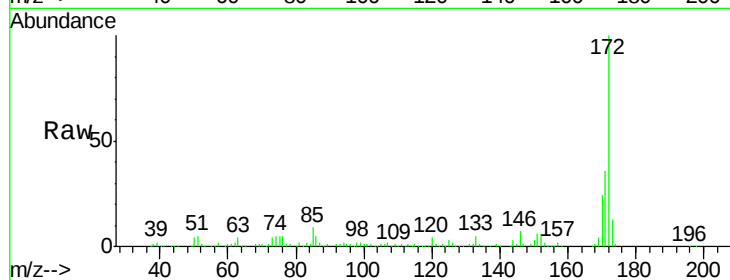
Tot Ion:172 Resp: 556447

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

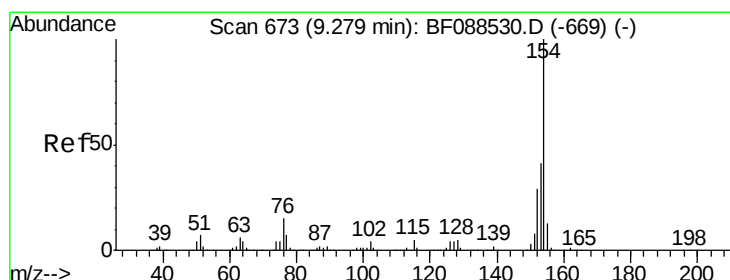
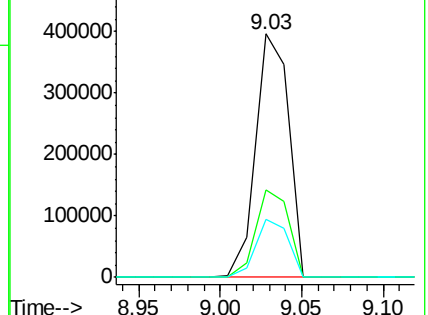
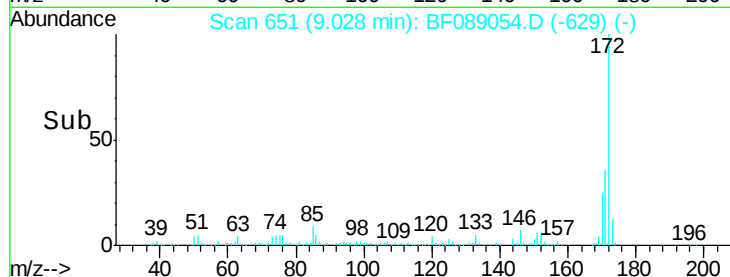
170 24.1 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 43.33 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

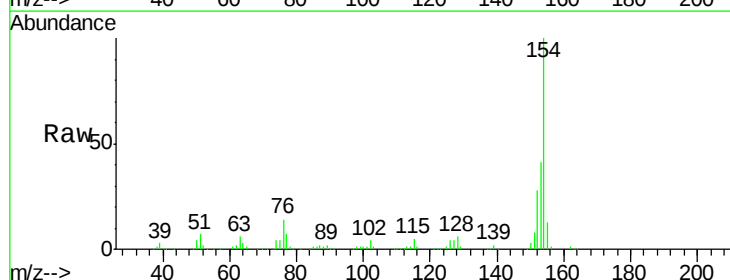
Tgt Ion:154 Resp: 331742

Ion Ratio Lower Upper

154 100

153 41.1 20.6 60.6

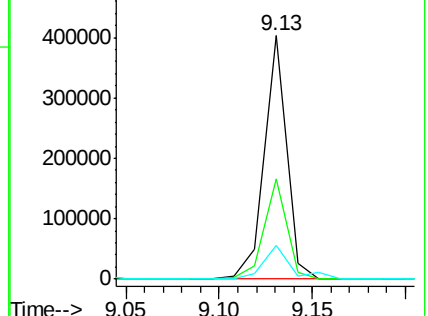
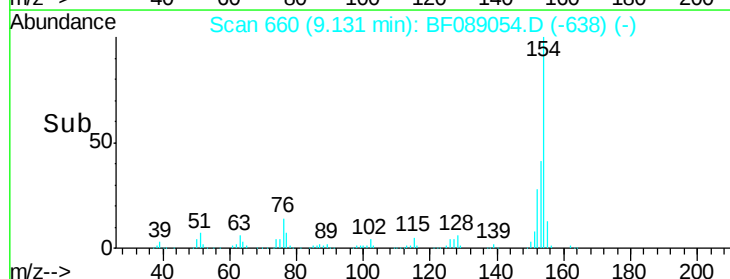
76 13.9 0.0 35.1

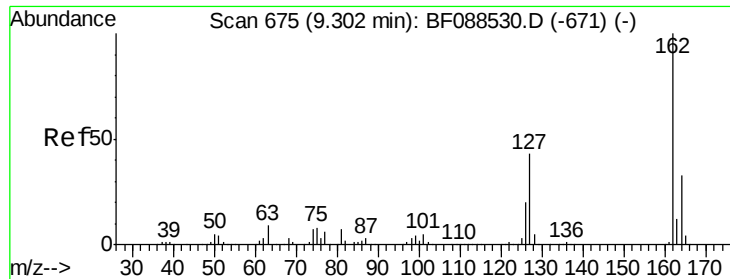


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

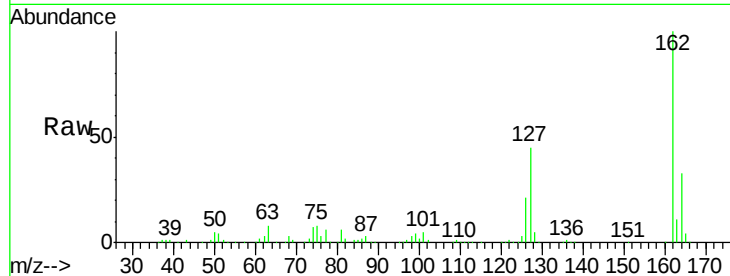




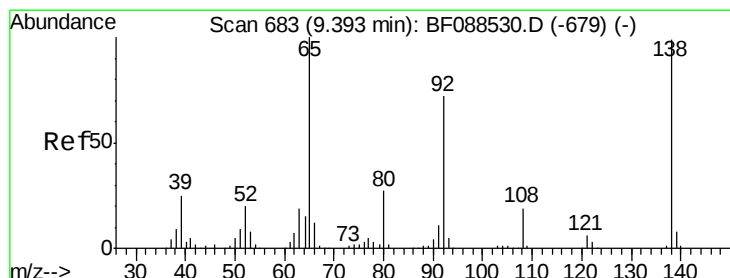
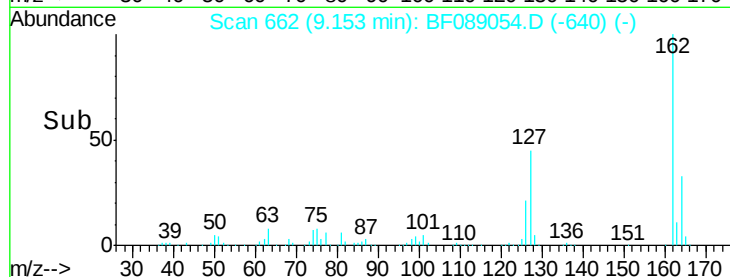
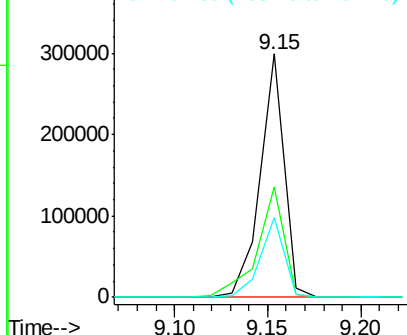
#46  
2-Chloronaphthalene  
Concen: 43.88 ng  
RT: 9.15 min Scan# 662  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 263771  
Ion Ratio Lower Upper  
162 100  
127 45.3 35.2 52.8  
164 32.9 26.6 39.8

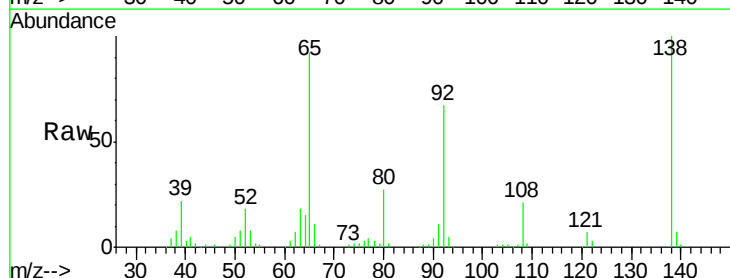


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

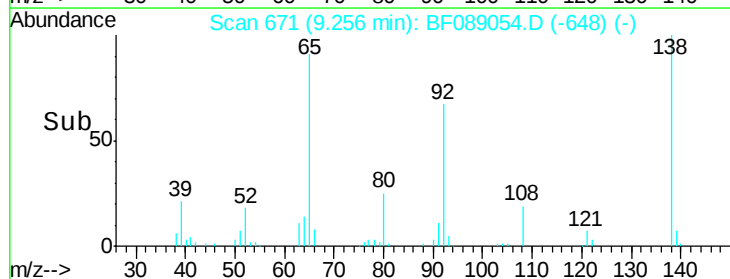
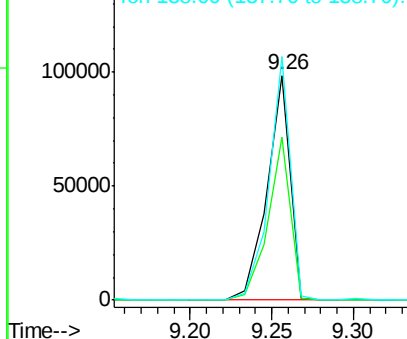


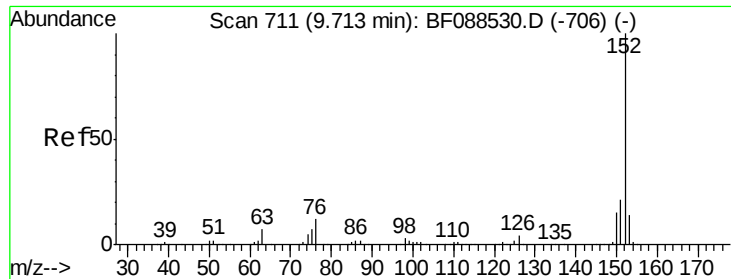
#47  
2-Nitroaniline  
Concen: 45.52 ng  
RT: 9.26 min Scan# 671  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion: 65 Resp: 97103  
Ion Ratio Lower Upper  
65 100  
92 72.6 54.6 82.0  
138 108.5 77.0 115.4



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: 42.87 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

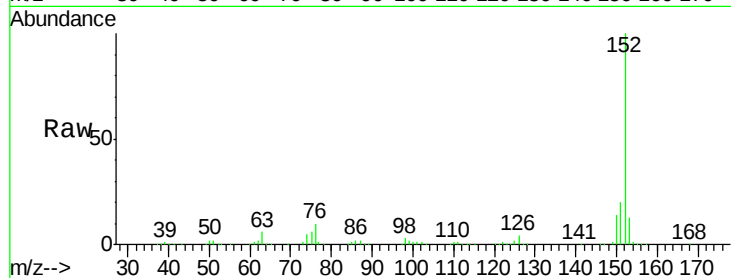
Tot Ion:152 Resp: 410014

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

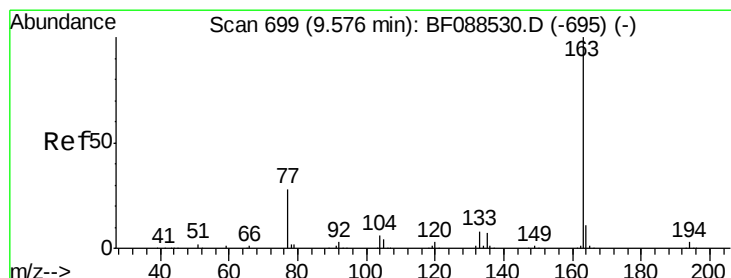
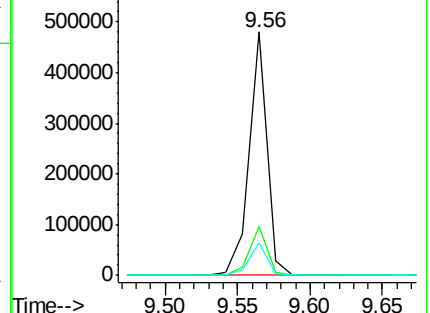
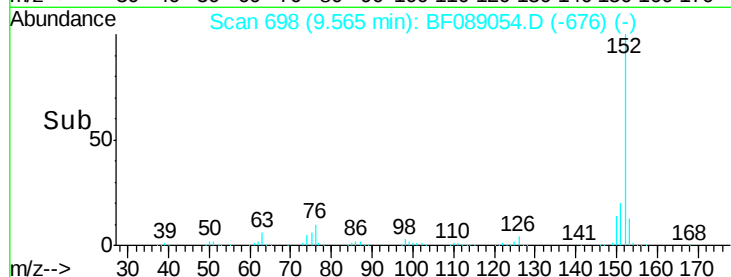
153 13.1 11.0 16.6



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: 86.78 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

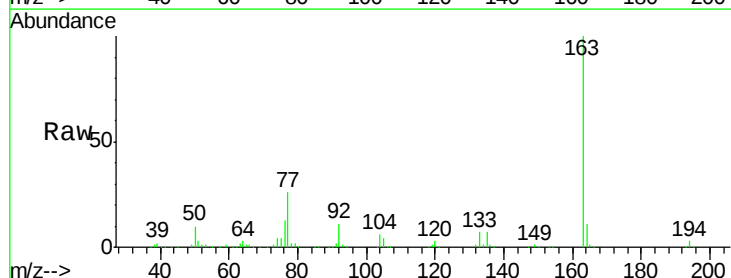
Tgt Ion:163 Resp: 571665

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

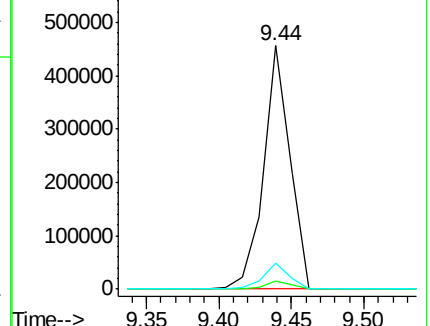
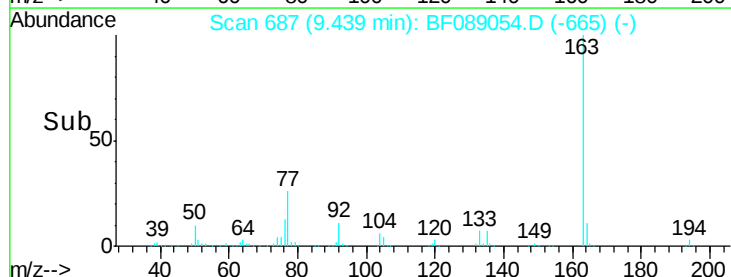
164 10.7 8.3 12.5

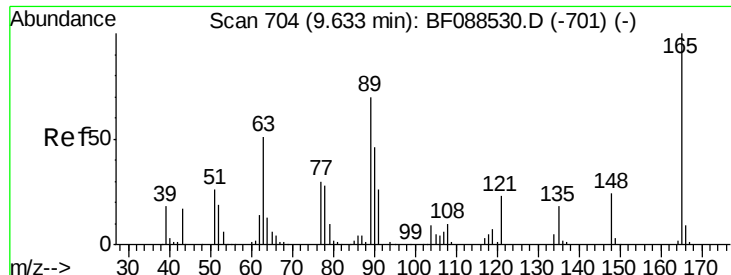


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

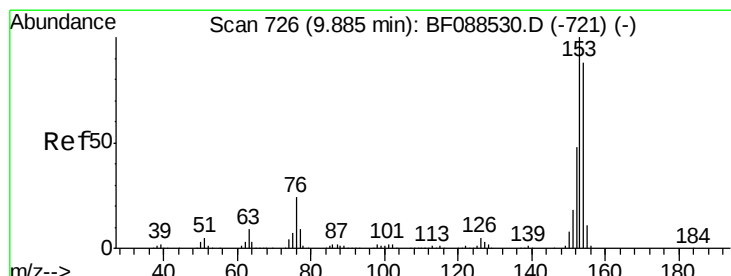
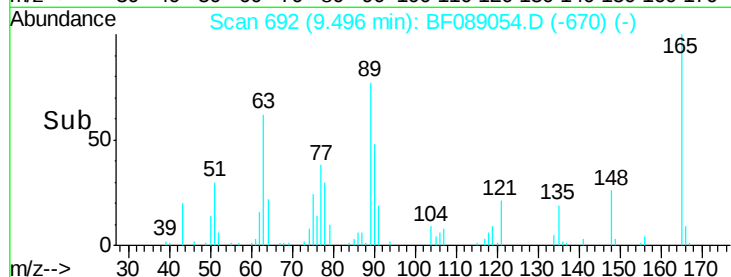
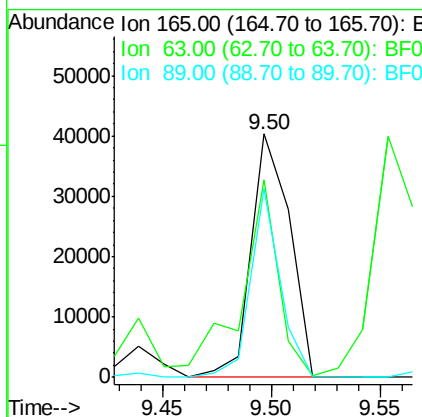
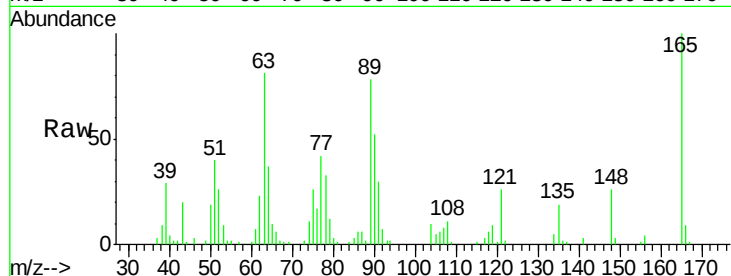




#50  
 2,6-Dinitrotoluene  
 Concen: 34.20 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

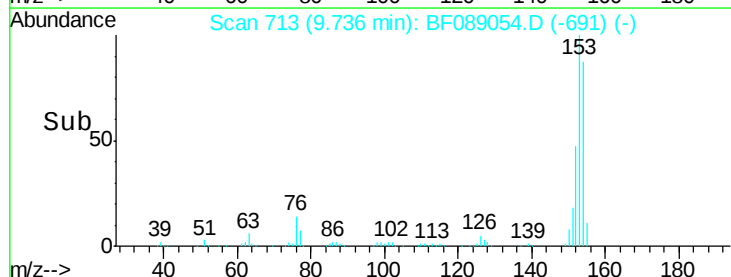
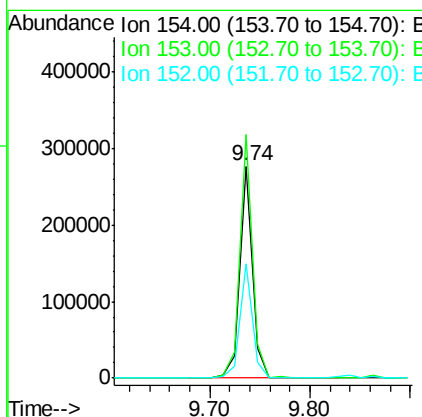
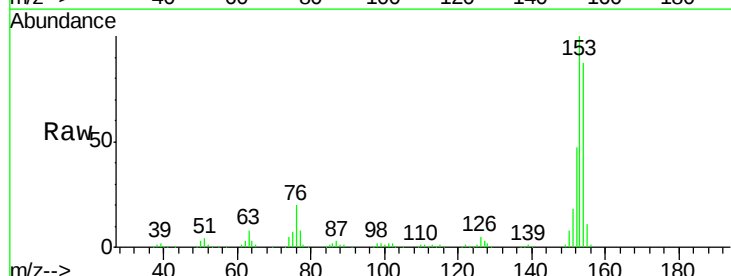
Instrument :  
 BNA\_F  
 ClientSampled :

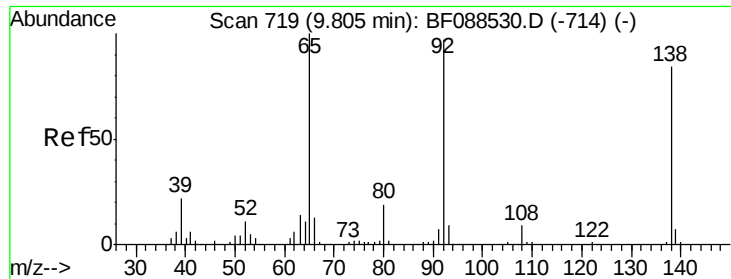
Tot Ion:165 Resp: 49940  
 Ion Ratio Lower Upper  
 165 100  
 63 81.2 28.1 42.1#  
 89 77.7 32.2 48.2#



#51  
 Acenaphthene  
 Concen: 40.85 ng  
 RT: 9.74 min Scan# 713  
 Delta R.T. -0.05 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion:154 Resp: 239523  
 Ion Ratio Lower Upper  
 154 100  
 153 115.0 89.5 134.3  
 152 54.1 42.7 64.1

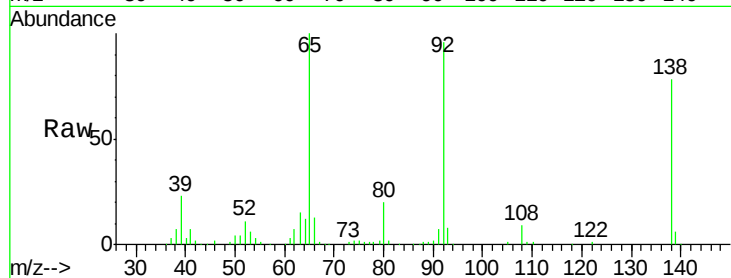




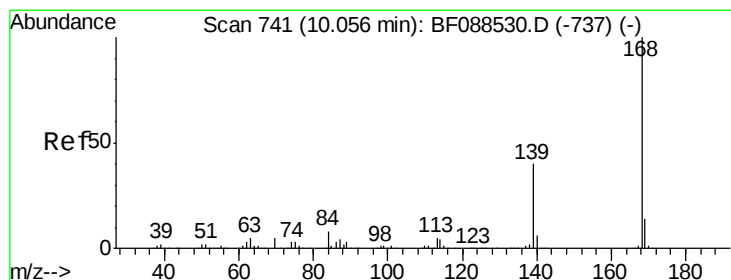
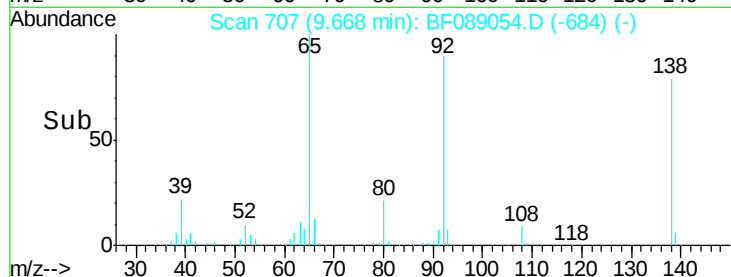
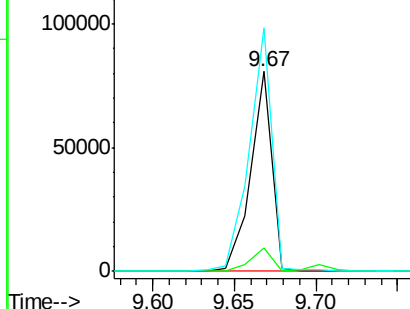
#52  
3-Nitroaniline  
Concen: 39.23 ng  
RT: 9.67 min Scan# 707  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 72819  
Ion Ratio Lower Upper  
138 100  
108 11.7 8.5 12.7  
92 121.8 95.7 143.5

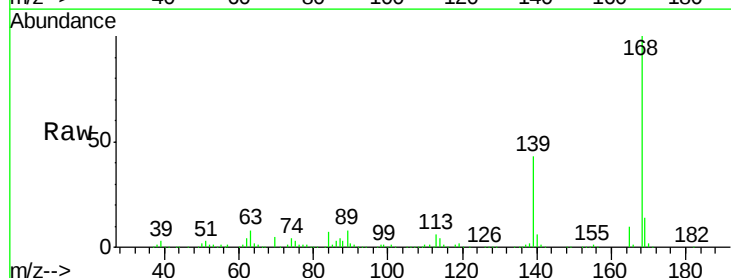


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0

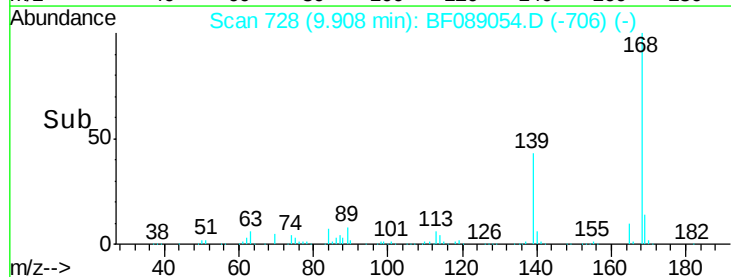
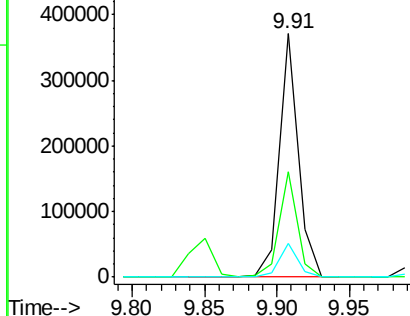


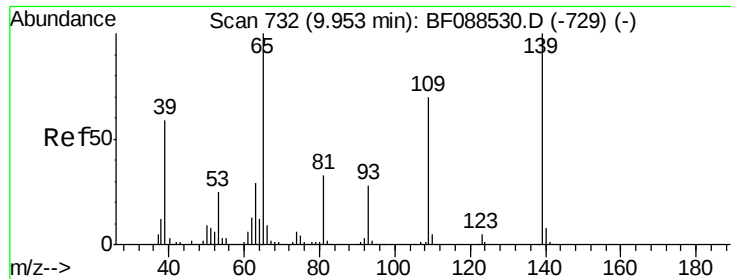
#54  
Dibenzofuran  
Concen: 43.81 ng  
RT: 9.91 min Scan# 728  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:168 Resp: 336175  
Ion Ratio Lower Upper  
168 100  
139 43.3 26.4 39.6#  
169 13.9 10.4 15.6



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: 49.61 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

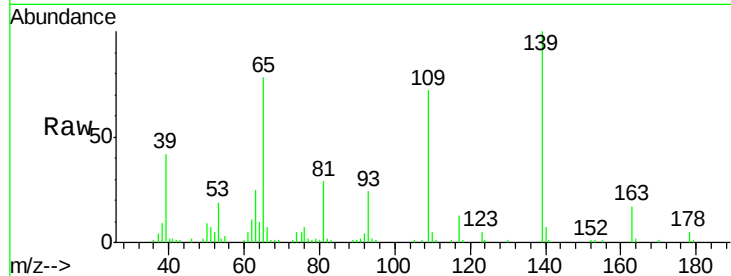
Tot Ion:139 Resp: 69978

Ion Ratio Lower Upper

139 100

109 72.4 48.9 88.9

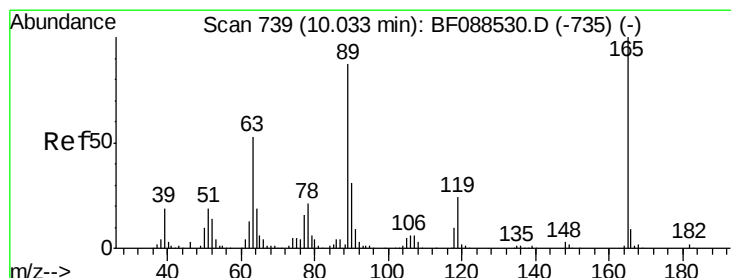
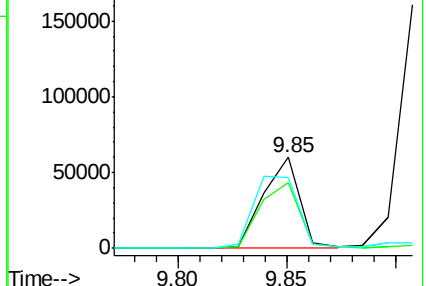
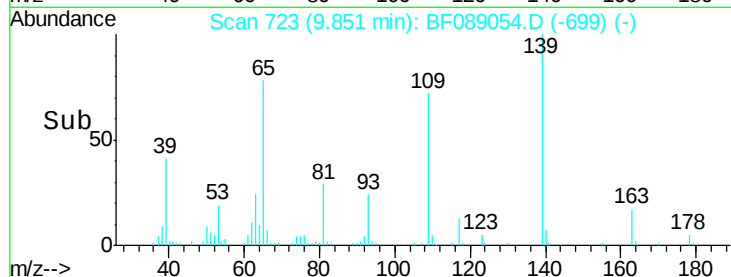
65 77.9 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 31.14 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Tgt Ion:165 Resp: 59444

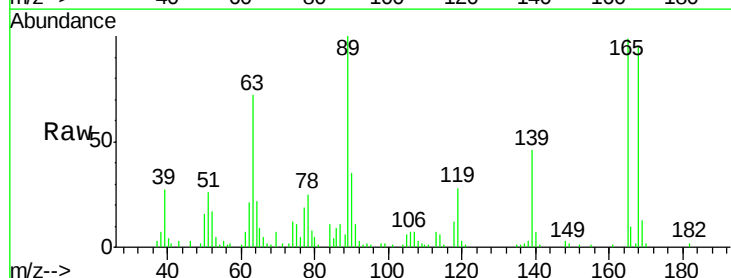
Ion Ratio Lower Upper

165 100

63 73.2 22.0 33.0#

89 101.5 41.1 61.7#

182 2.3 2.0 3.0

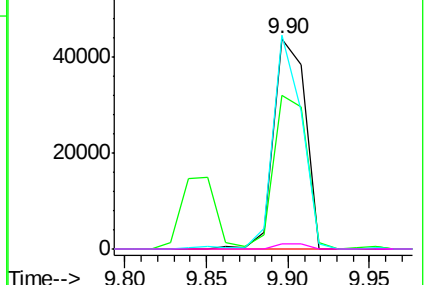
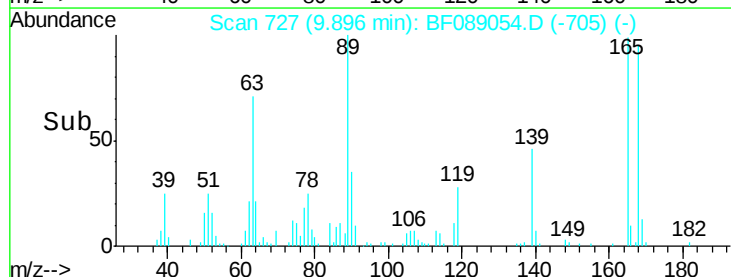


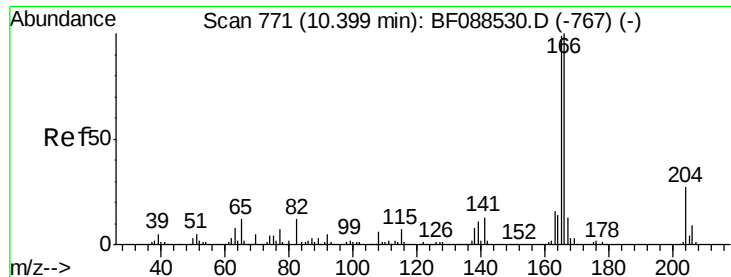
Abundance Ion 165.00 (164.70 to 165.70): E

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: 46.82 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

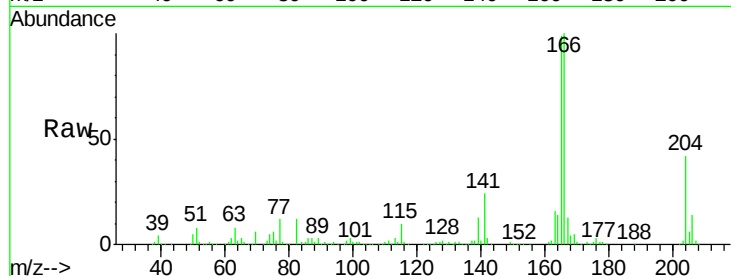
Tot Ion:166 Resp: 276890

Ion Ratio Lower Upper

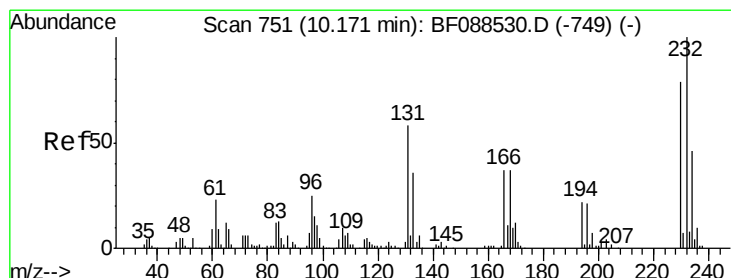
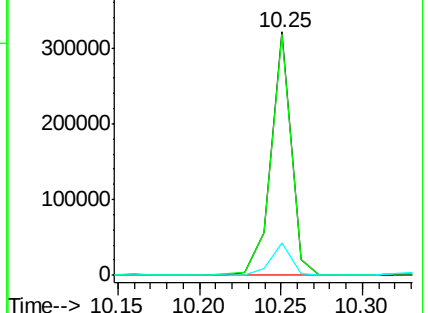
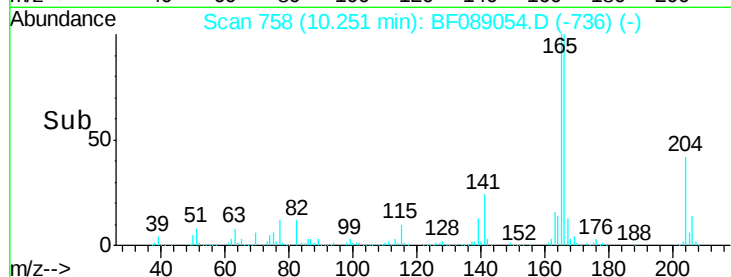
166 100

165 98.9 77.8 116.8

167 13.5 11.2 16.8



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: 34.66 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Tgt Ion:232 Resp: 46786

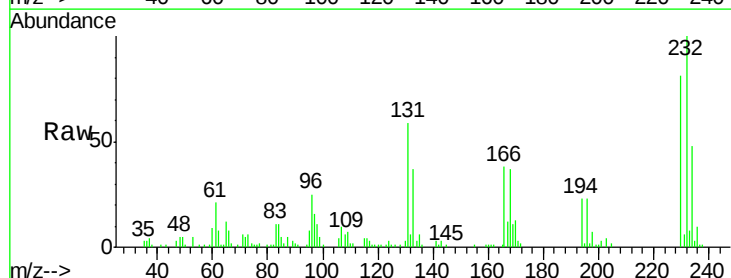
Ion Ratio Lower Upper

232 100

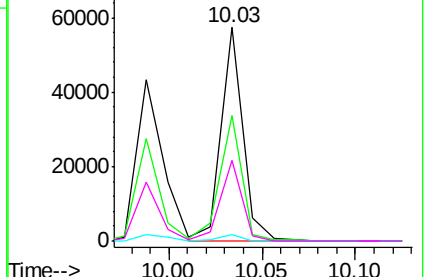
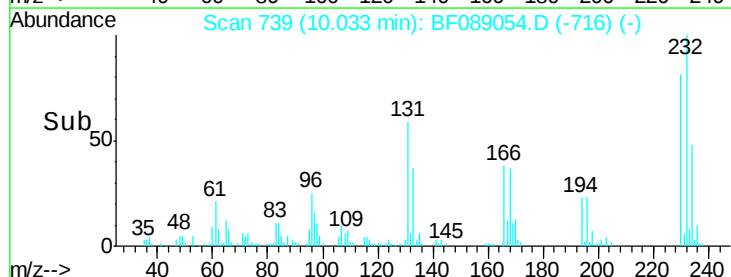
131 60.3 0.9 1.3#

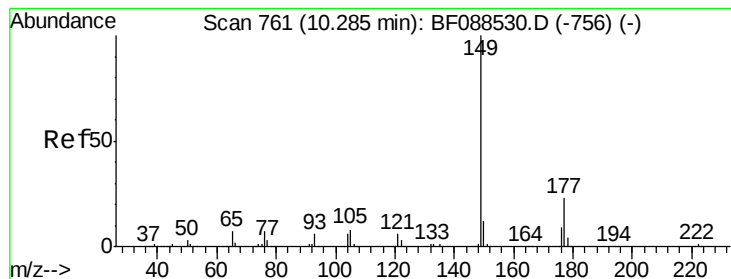
130 3.2 1.5 2.3#

166 37.2 0.5 0.7#



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: 43.27 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

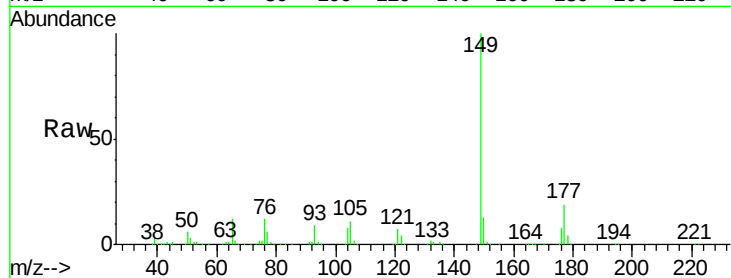
Tot Ion:149 Resp: 286085

Ion Ratio Lower Upper

149 100

177 19.1 16.9 25.3

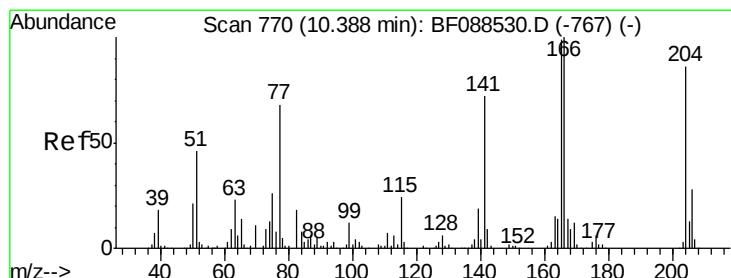
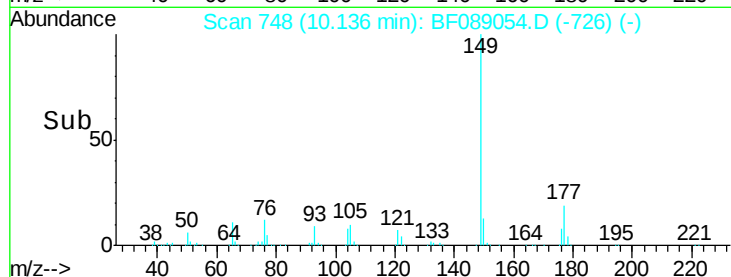
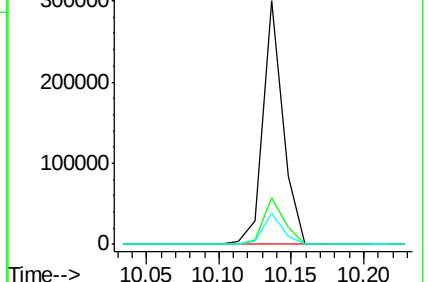
150 12.8 10.1 15.1



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: 45.44 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

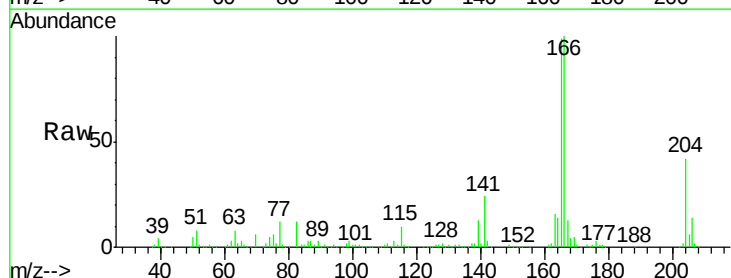
Tgt Ion:204 Resp: 124856

Ion Ratio Lower Upper

204 100

206 33.2 26.3 39.5

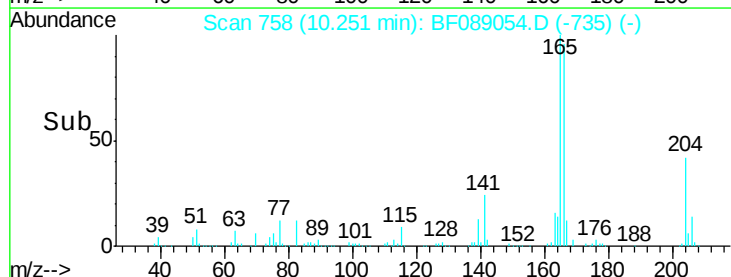
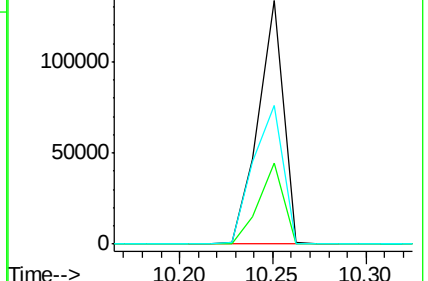
141 56.9 55.0 82.6

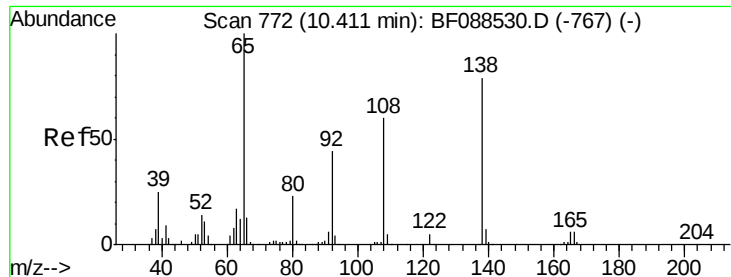


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

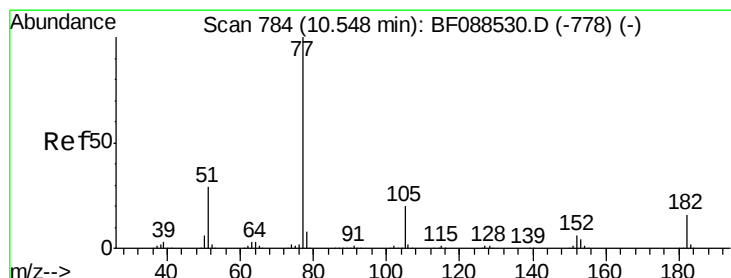
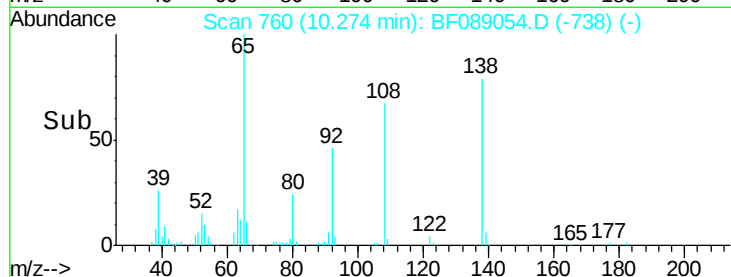
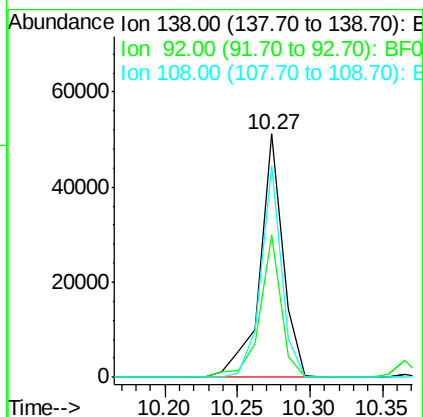
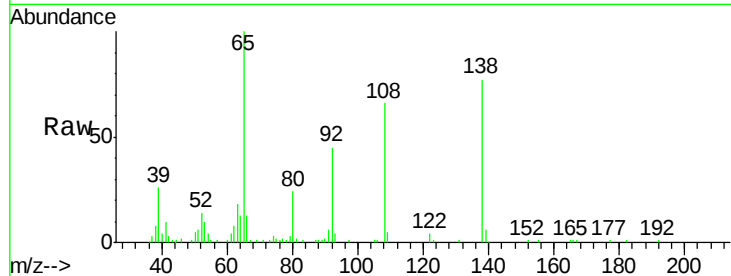




#61  
4-Nitroaniline  
Concen: 31.81 ng  
RT: 10.27 min Scan# 760  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

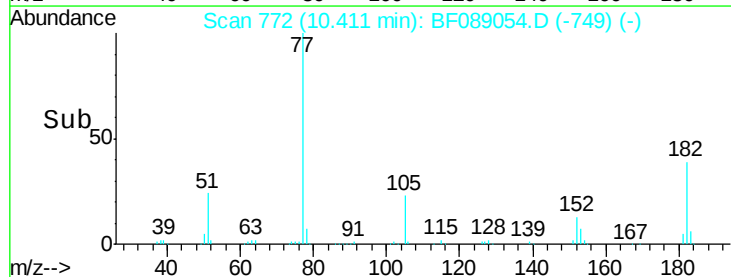
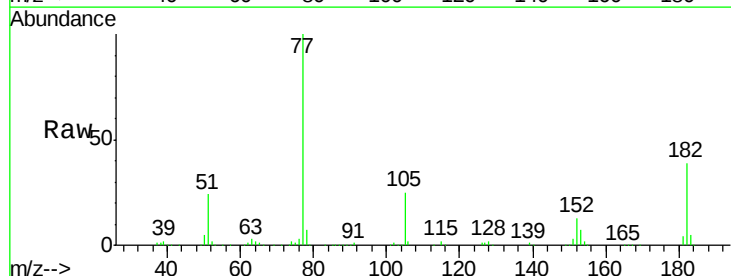
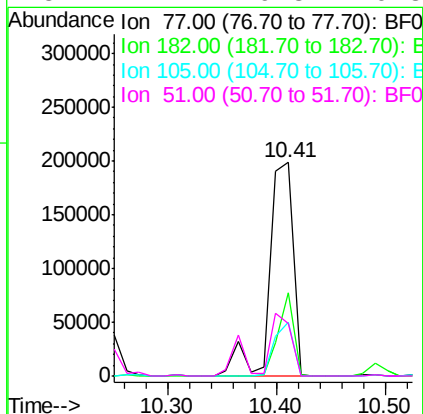
Instrument :  
BNA\_F  
ClientSampleId :

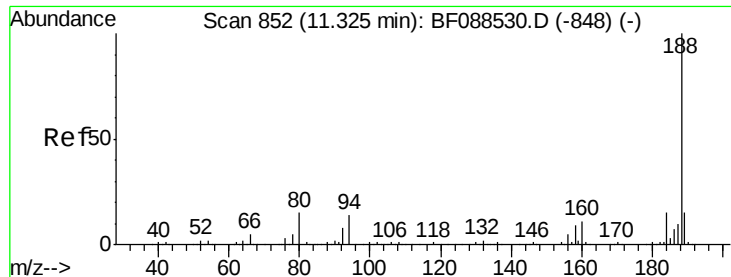
Tot Ion:138 Resp: 56824  
Ion Ratio Lower Upper  
138 100  
92 58.6 27.3 67.3  
108 86.7 46.7 86.7#



#62  
Azobenzene  
Concen: 39.76 ng  
RT: 10.41 min Scan# 772  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion: 77 Resp: 299813  
Ion Ratio Lower Upper  
77 100  
182 38.7 4.4 44.4  
105 25.0 3.8 43.8  
51 24.4 9.3 49.3

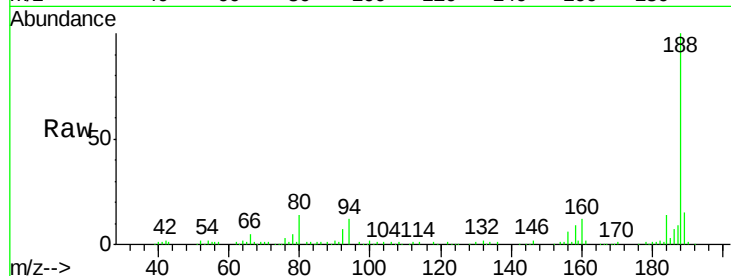




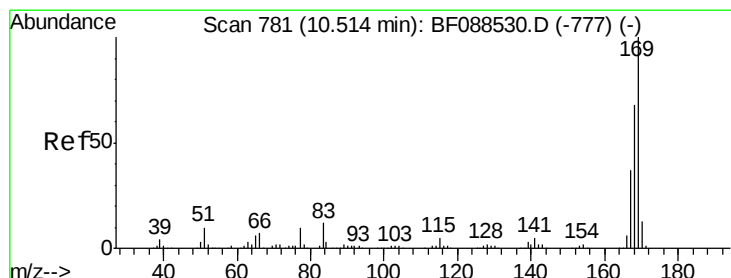
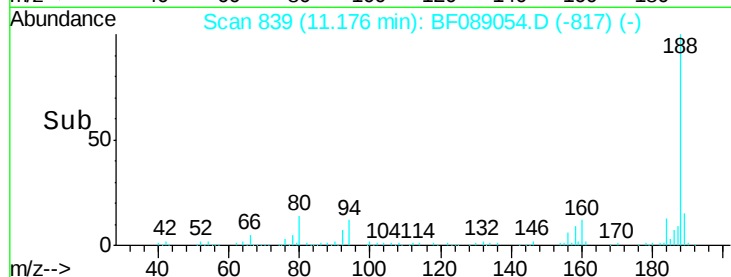
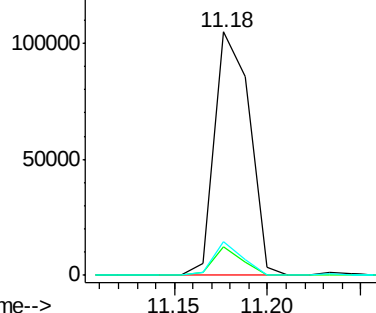
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.18 min Scan# 839  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:188 Resp: 137047  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.0 13.6  
80 13.8 10.0 15.0

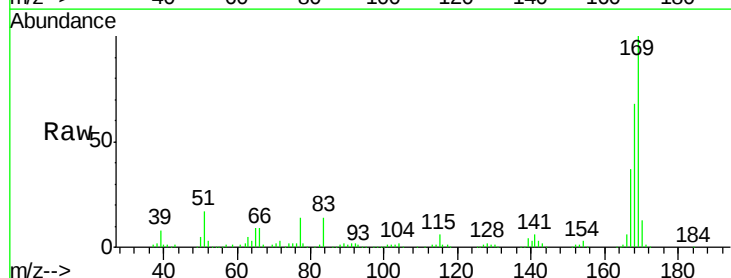


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

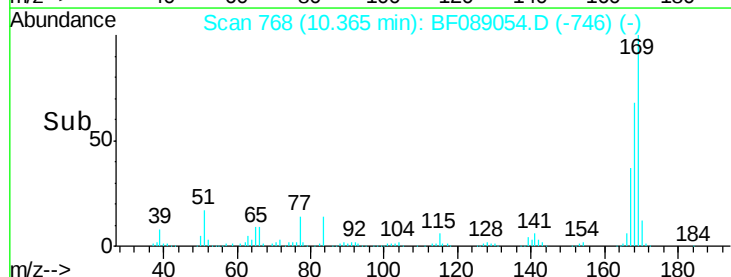
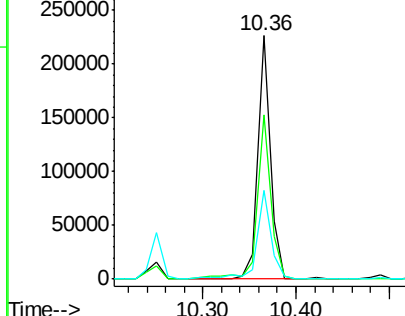


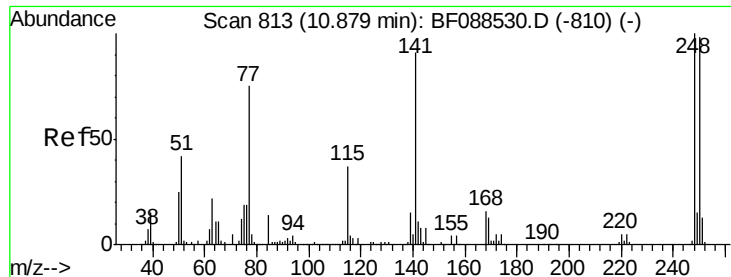
#65  
n-Nitrosodiphenylamine  
Concen: 45.98 ng  
RT: 10.36 min Scan# 768  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:169 Resp: 213260  
Ion Ratio Lower Upper  
169 100  
168 67.6 53.4 80.0  
167 36.6 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

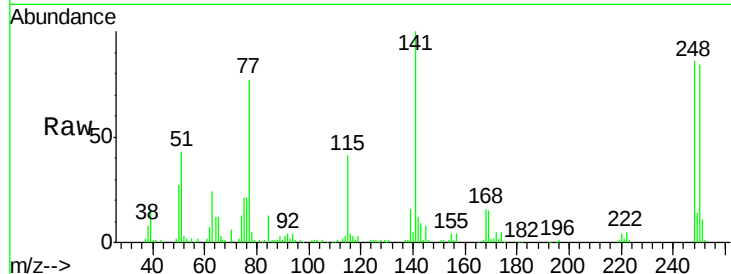




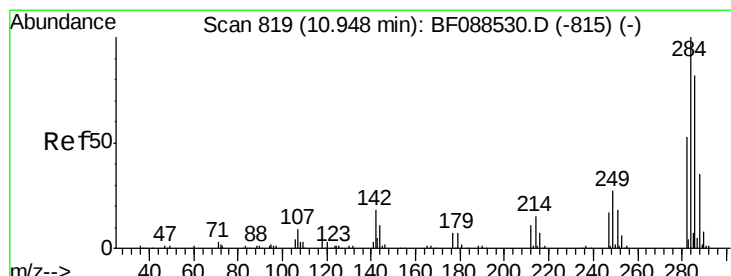
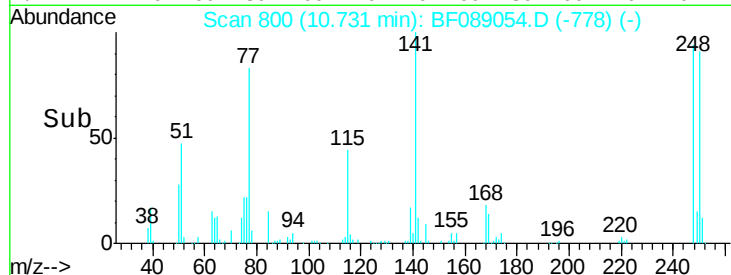
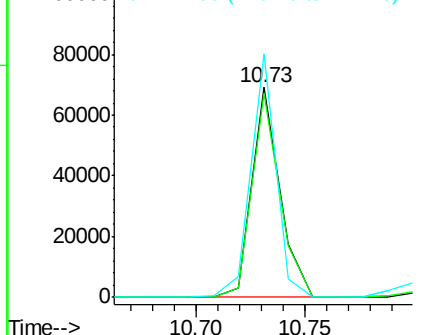
#66  
4-Bromophenyl-phenylether  
Concen: 44.40 ng  
RT: 10.73 min Scan# 800  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 61316  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.1 115.7  
141 116.1 50.6 76.0#

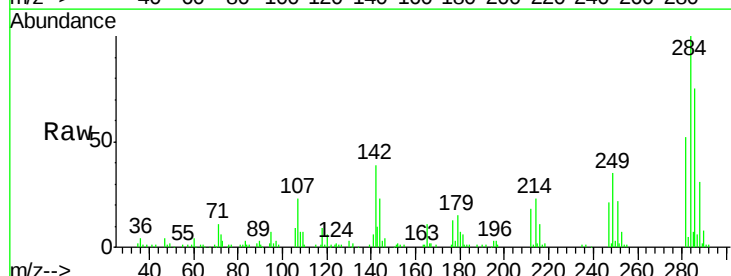


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

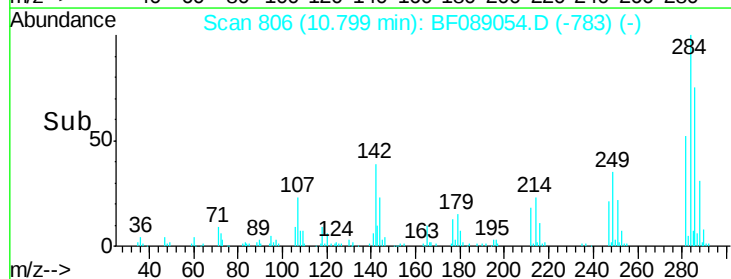
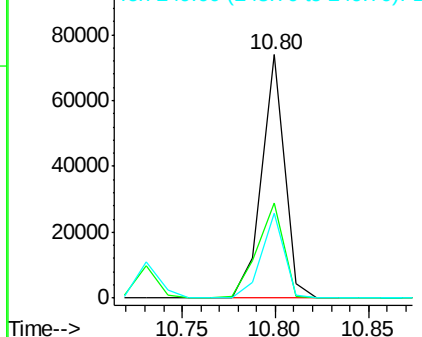


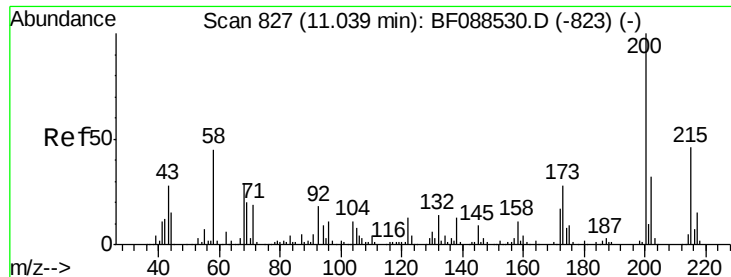
#67  
Hexachlorobenzene  
Concen: 40.69 ng  
RT: 10.80 min Scan# 806  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:284 Resp: 62204  
Ion Ratio Lower Upper  
284 100  
142 39.1 35.8 53.8  
249 35.0 25.8 38.6



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

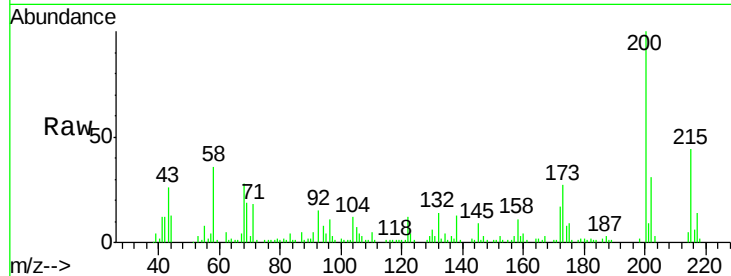




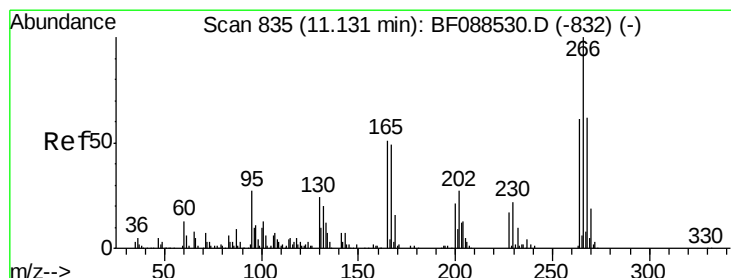
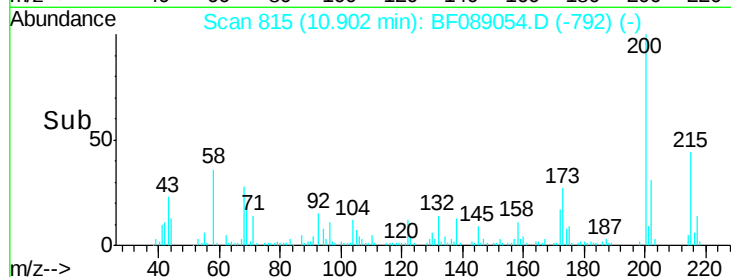
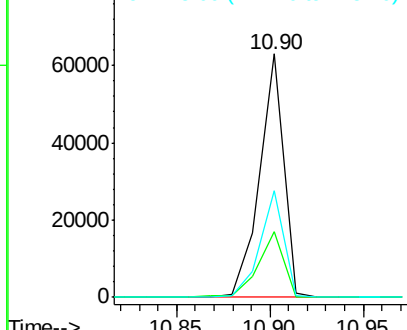
#68  
Atrazine  
Concen: 38.71 ng  
RT: 10.90 min Scan# 815  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.0  | 4.0   | 44.0  |
| 215     | 43.7  | 29.3  | 69.3  |

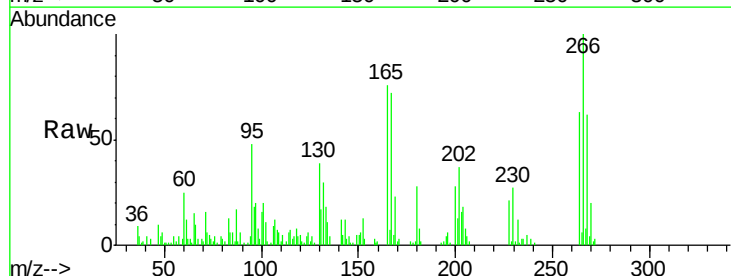


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

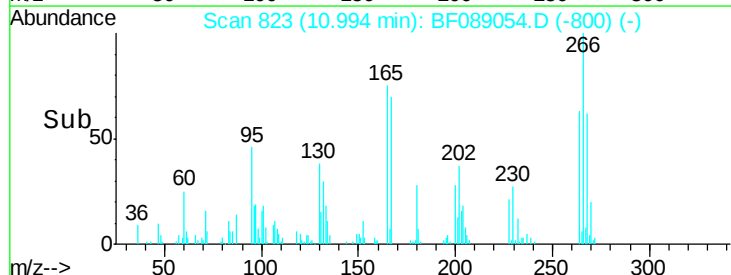
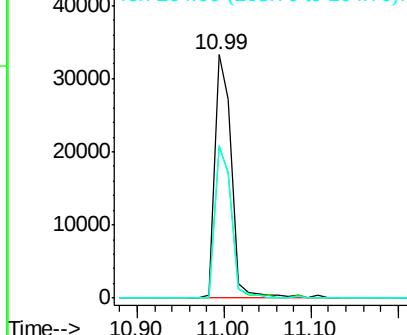


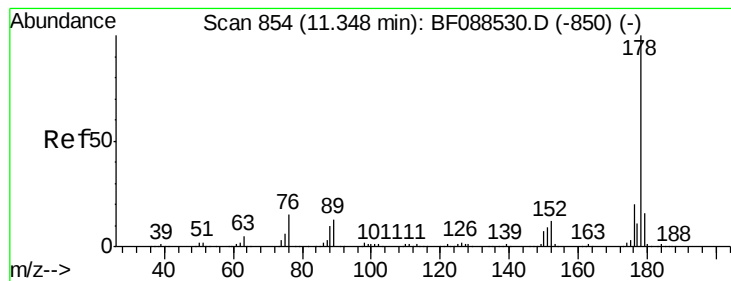
#69  
Pentachlorophenol  
Concen: 50.07 ng  
RT: 10.99 min Scan# 823  
Delta R.T. -0.03 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.0  | 52.8  | 79.2  |
| 264     | 62.9  | 49.6  | 74.4  |



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





#70

Phenanthrene

Concen: 100.66 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

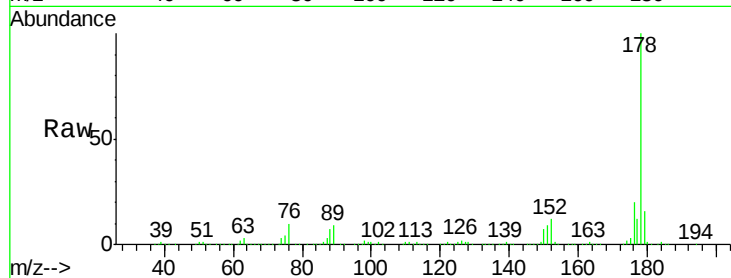
Tot Ion:178 Resp: 754090

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

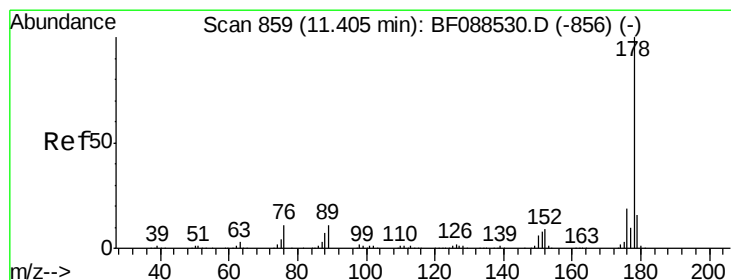
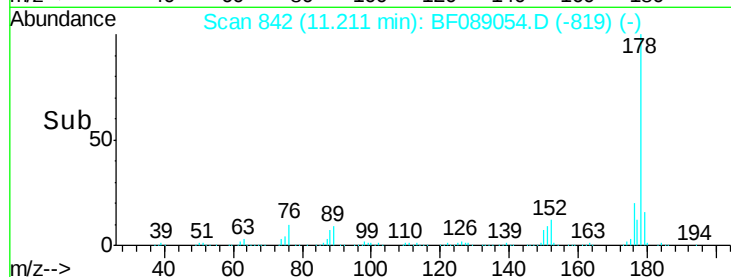
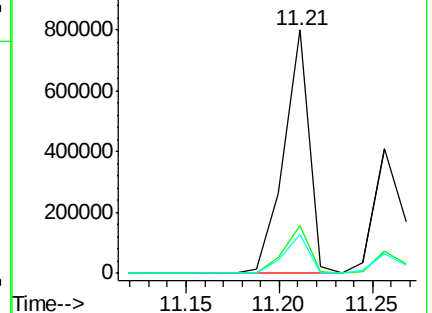
179 16.0 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 57.01 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.05 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

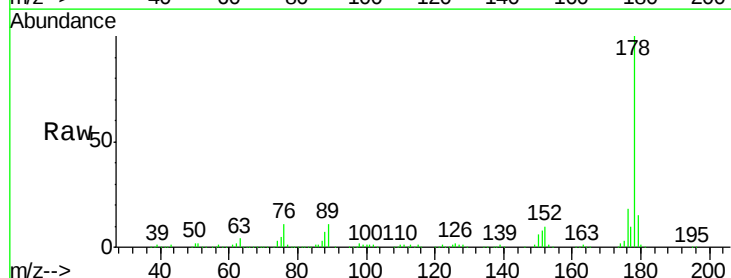
Tgt Ion:178 Resp: 424672

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

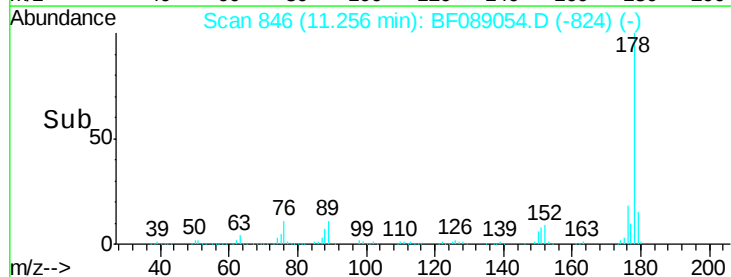
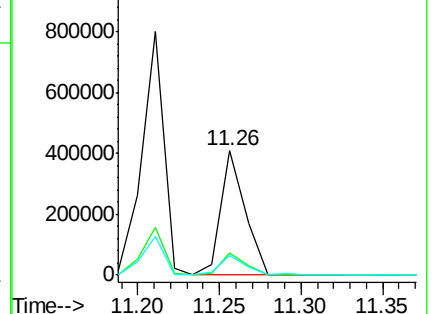
179 15.5 12.8 19.2

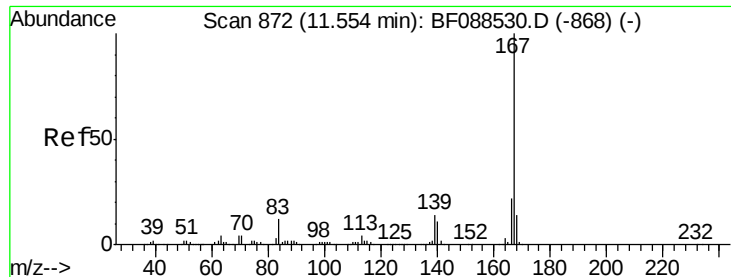


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 46.04 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

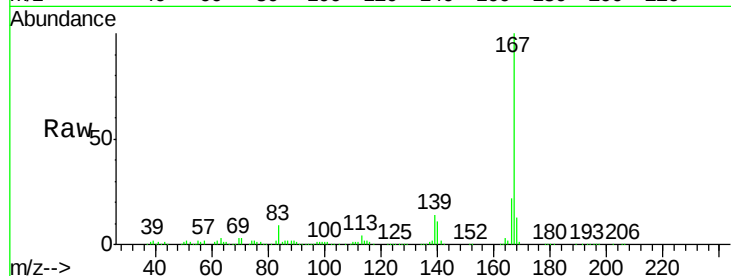
Tot Ion:167 Resp: 322810

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.6

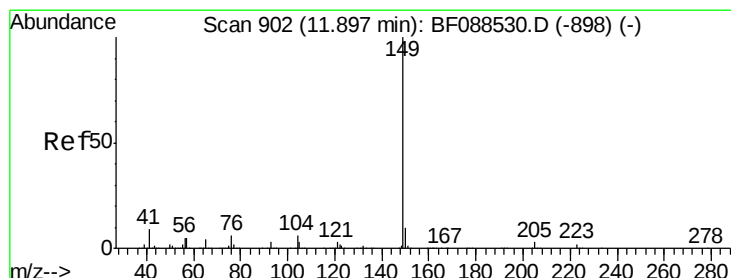
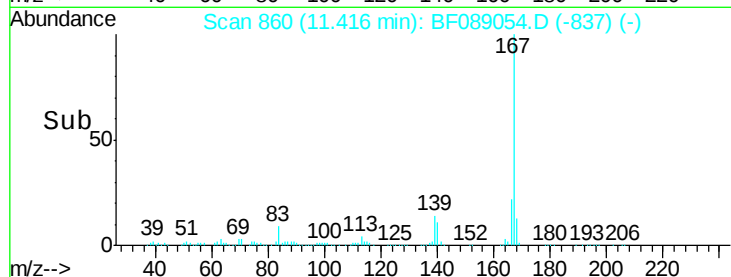
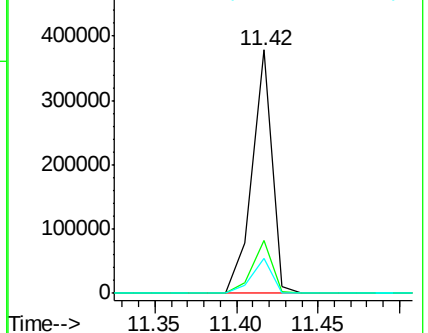
139 14.4 11.2 16.8



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: 50.92 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

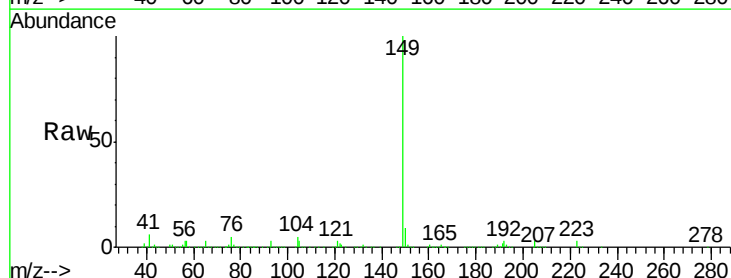
Tgt Ion:149 Resp: 415236

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

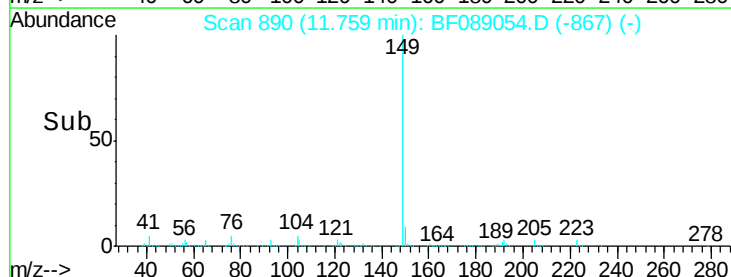
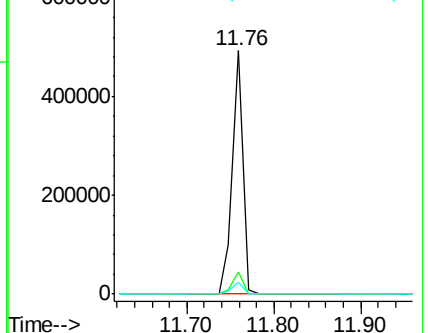
104 5.0 4.0 6.0

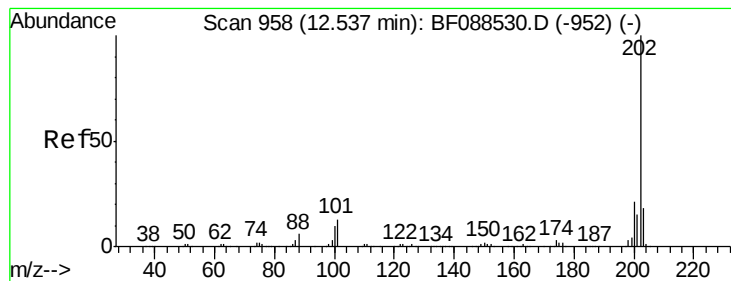


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 142.99 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

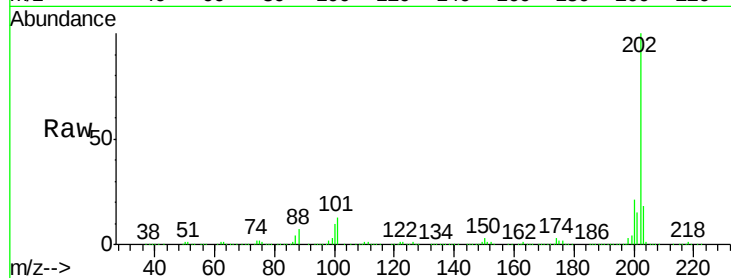
Tot Ion:202 Resp: 1085962

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.1

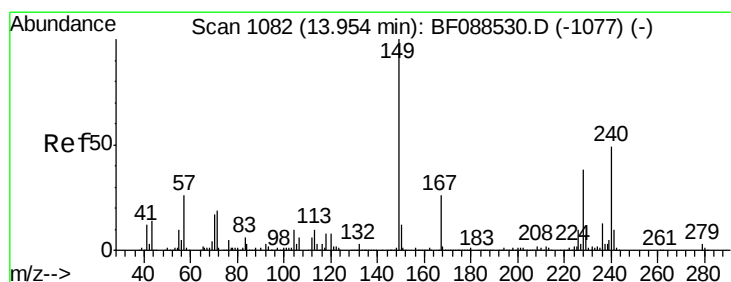
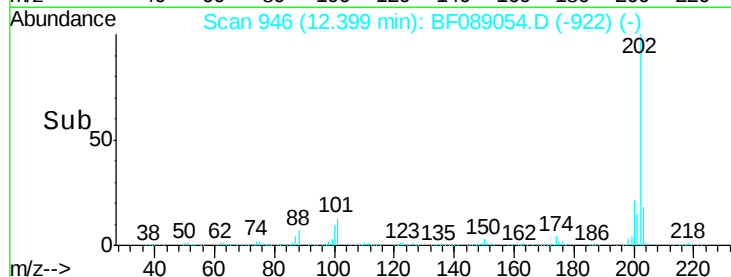
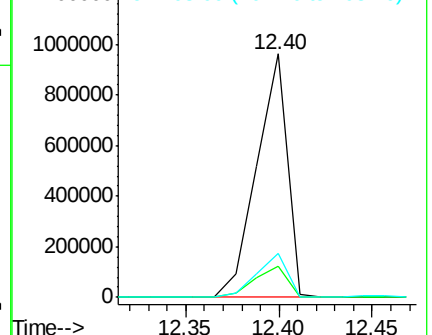
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

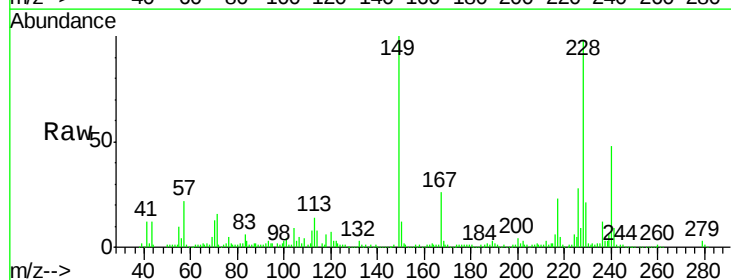
Tgt Ion:240 Resp: 98813

Ion Ratio Lower Upper

240 100

120 13.8 6.8 10.2#

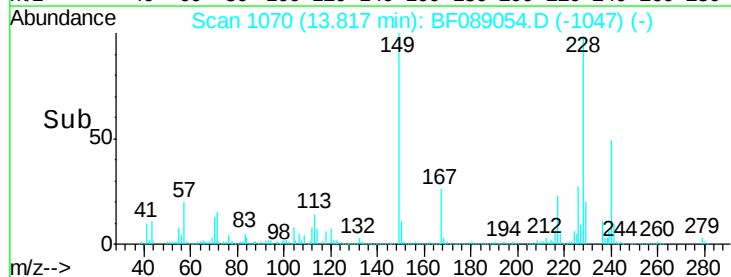
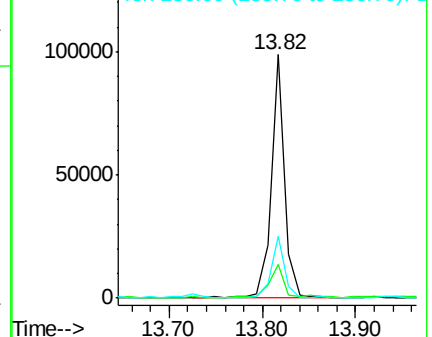
236 25.3 20.2 30.2

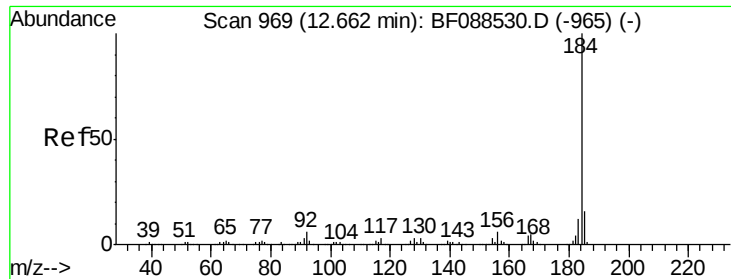


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.71 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampled :

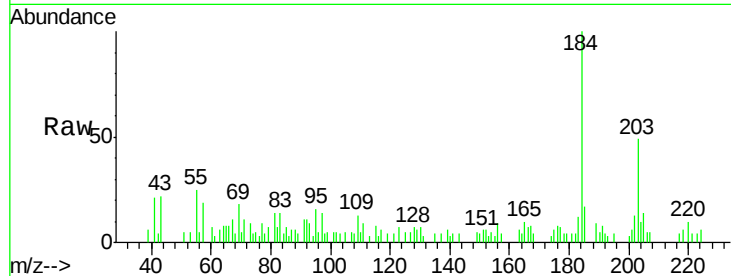
Tot Ion:184 Resp: 13542

Ion Ratio Lower Upper

184 100

185 16.6 12.5 18.7

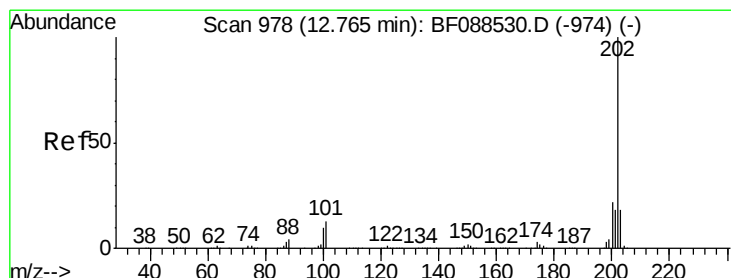
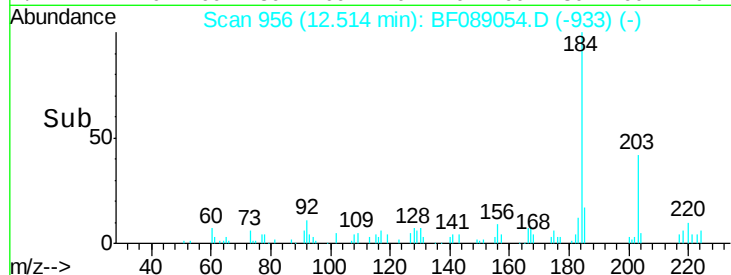
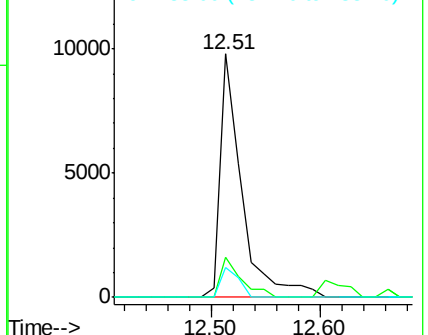
183 12.4 9.3 13.9



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: 125.84 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

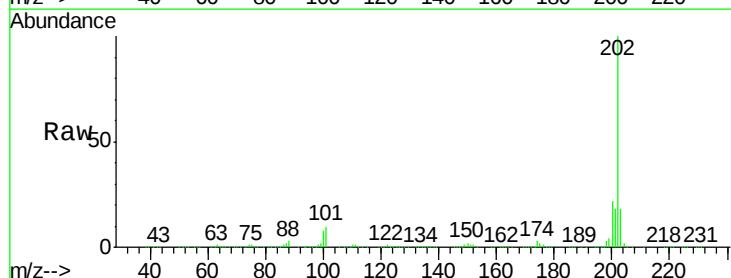
Tgt Ion:202 Resp: 1054297

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

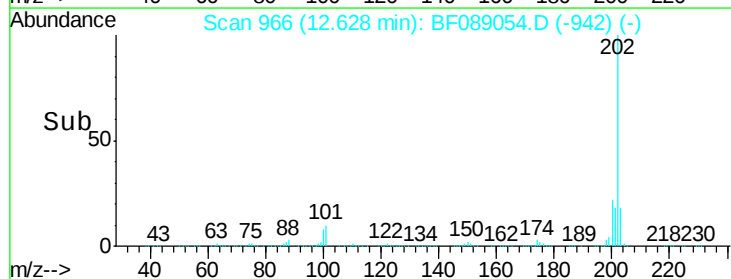
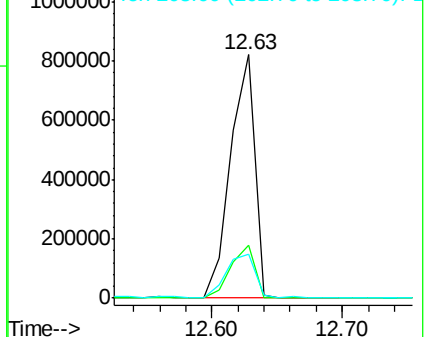
203 18.0 14.5 21.7

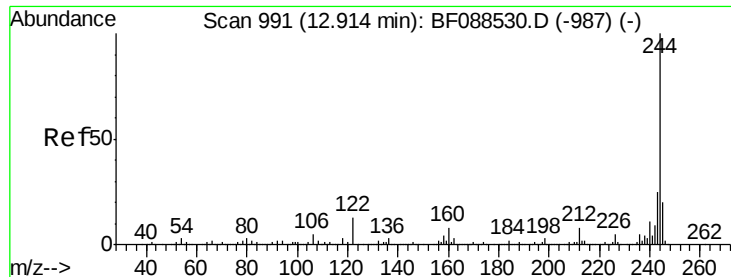


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

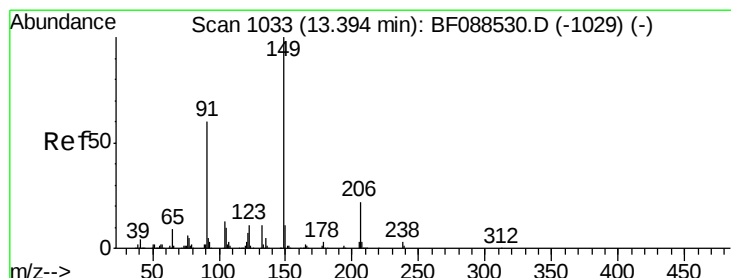
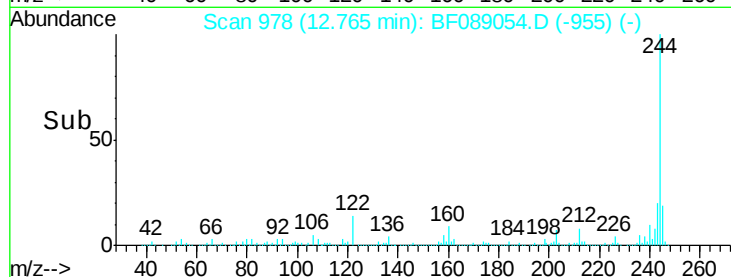
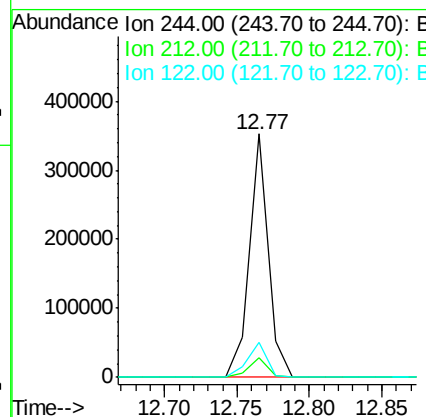
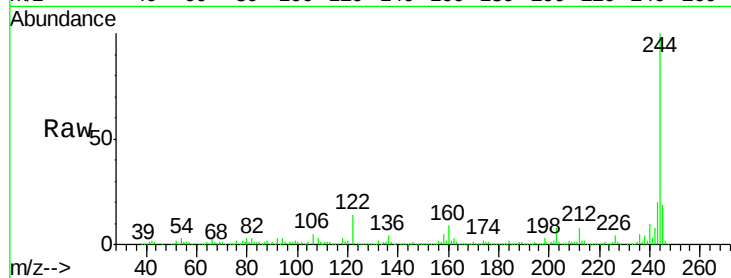




#78  
 Terphenyl-d14  
 Concen: 71.79 ng  
 RT: 12.77 min Scan# 978  
 Delta R.T. -0.03 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

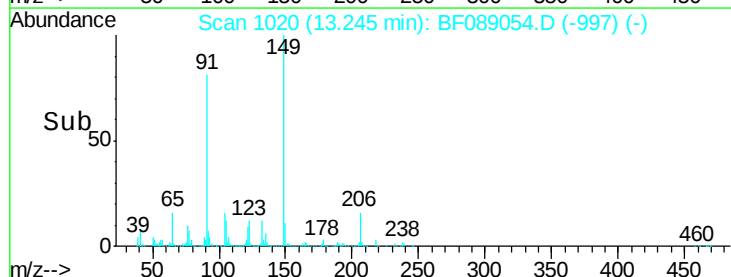
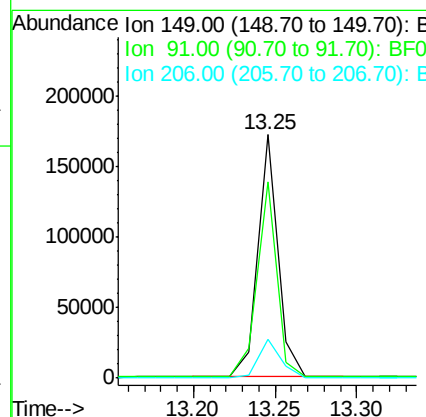
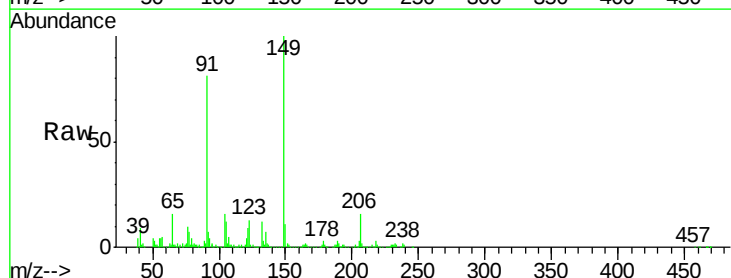
Instrument :  
 BNA\_F  
 ClientSampleId :

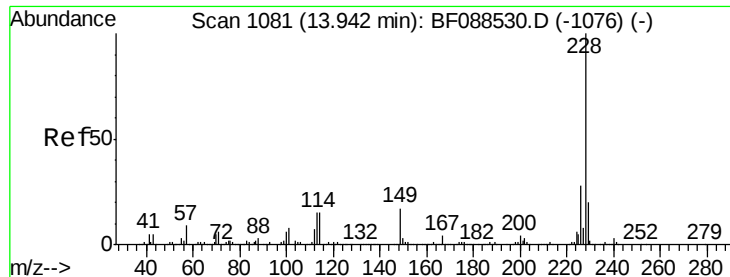
Tot Ion:244 Resp: 318490  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.0 9.0  
 122 14.2 11.2 16.8



#79  
 Butylbenzylphthalate  
 Concen: 39.44 ng  
 RT: 13.25 min Scan# 1020  
 Delta R.T. -0.03 min  
 Lab File: BF089054.D  
 Acq: 16 Jul 2016 14:38

Tgt Ion:149 Resp: 147405  
 Ion Ratio Lower Upper  
 149 100  
 91 80.9 48.0 72.0#  
 206 15.9 16.0 24.0#





#80

Benzo(a)anthracene

Concen: 103.77 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

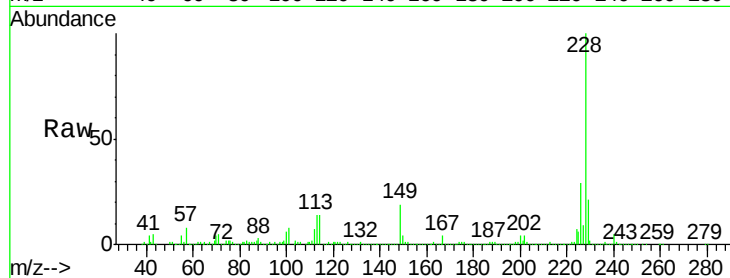
Tot Ion:228 Resp: 660284

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

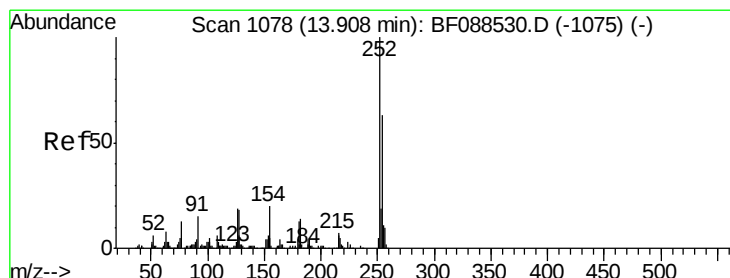
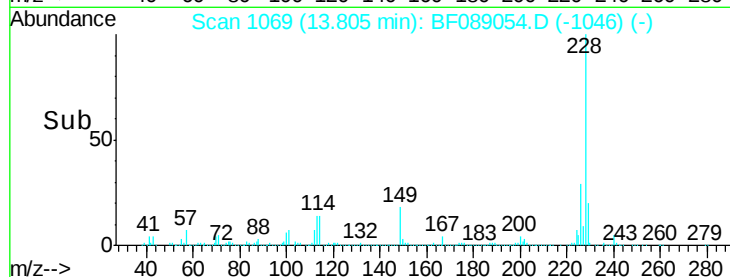
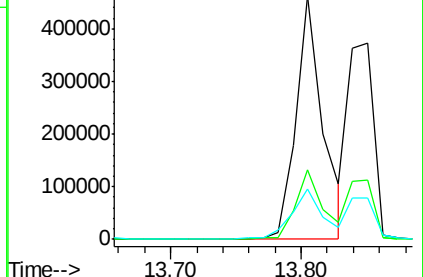
229 20.8 16.0 24.0



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



#81

3,3'-Dichlorobenzidine

Concen: 24.22 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

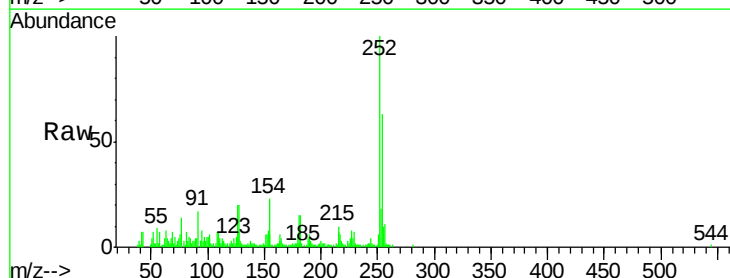
Tgt Ion:252 Resp: 57942

Ion Ratio Lower Upper

252 100

254 62.6 52.6 78.8

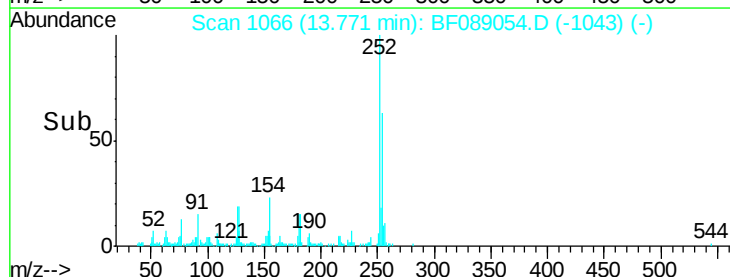
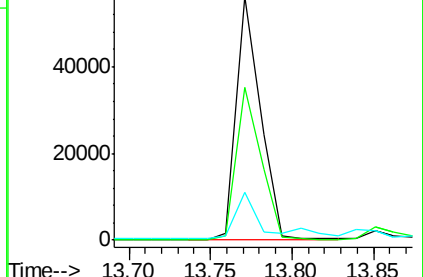
126 19.7 6.2 9.2#

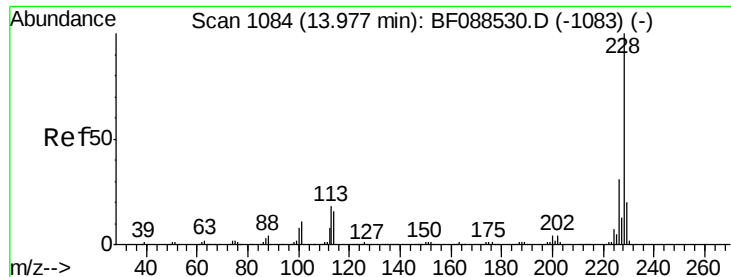


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 80.95 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

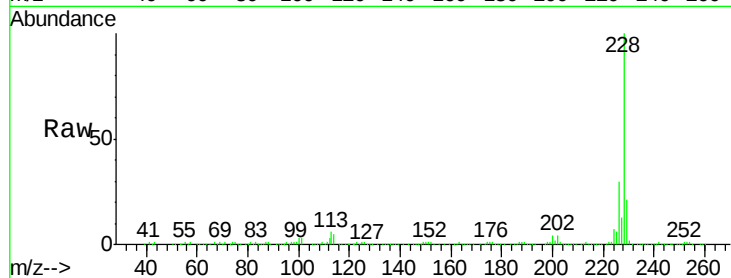
Tot Ion:228 Resp: 509599

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

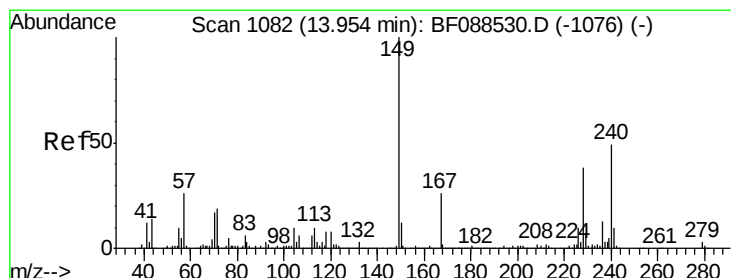
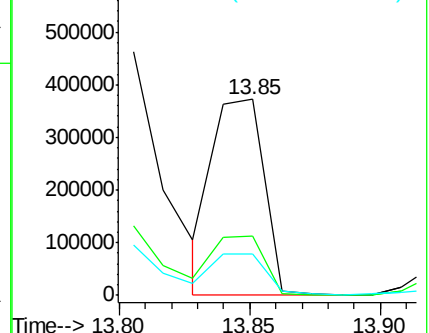
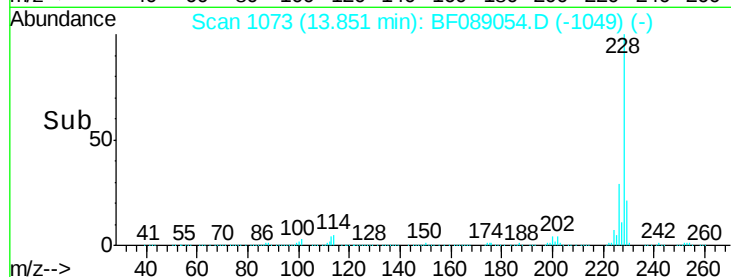
229 21.0 16.3 24.5



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: 48.33 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

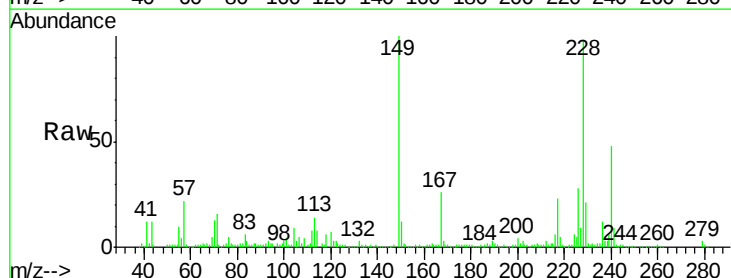
Tgt Ion:149 Resp: 206221

Ion Ratio Lower Upper

149 100

167 25.5 20.5 30.7

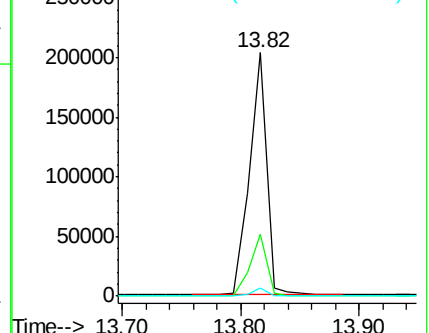
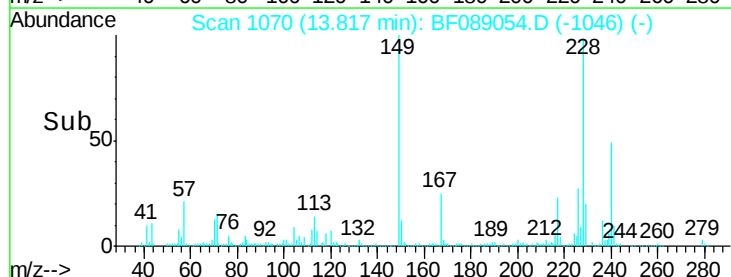
279 3.3 2.0 3.0#

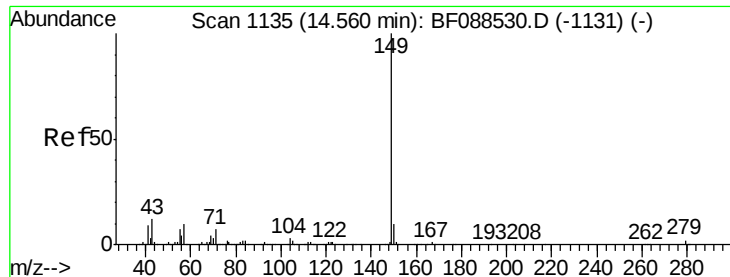


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 45.22 ng

RT: 14.42 min Scan# 1123

Delta R.T. -0.03 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

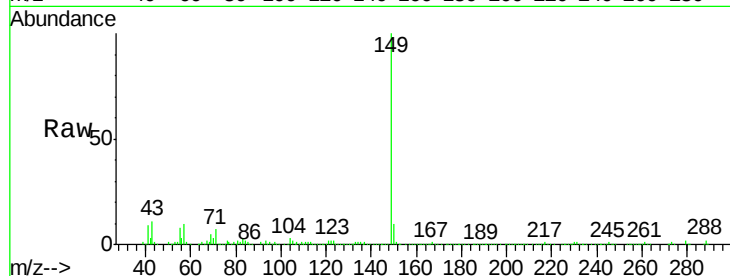
Tot Ion:149 Resp: 327808

Ion Ratio Lower Upper

149 100

167 1.8 0.0 0.0#

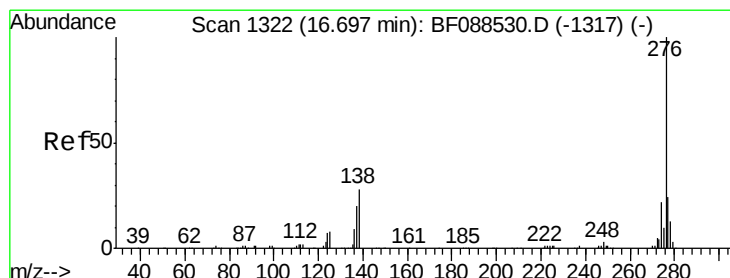
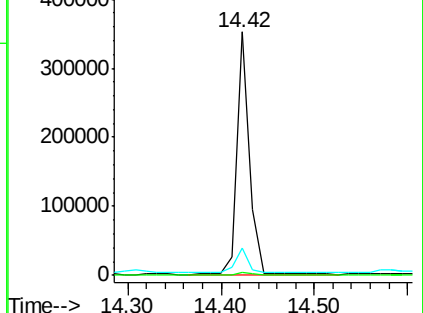
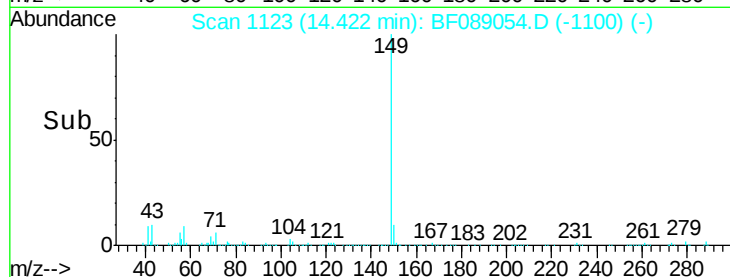
43 10.4 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 64.73 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

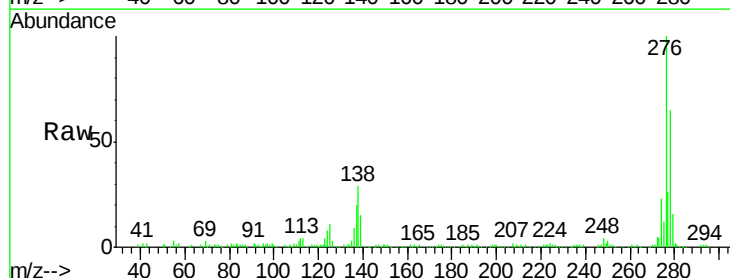
Tgt Ion:276 Resp: 313515

Ion Ratio Lower Upper

276 100

138 27.6 0.0 0.0#

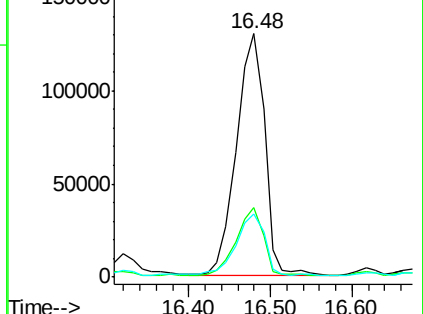
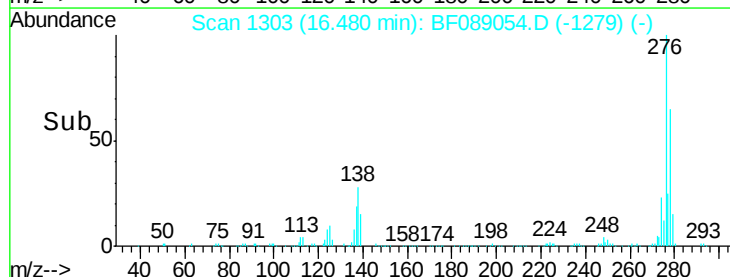
277 25.9 0.0 0.0#

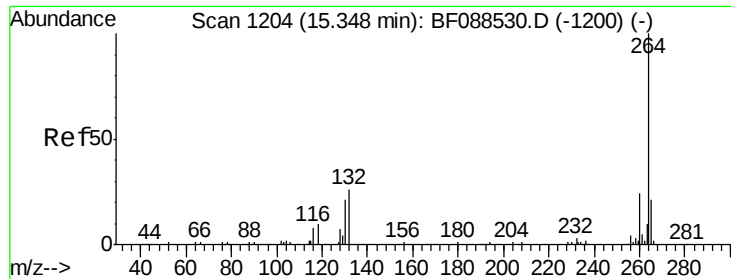


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

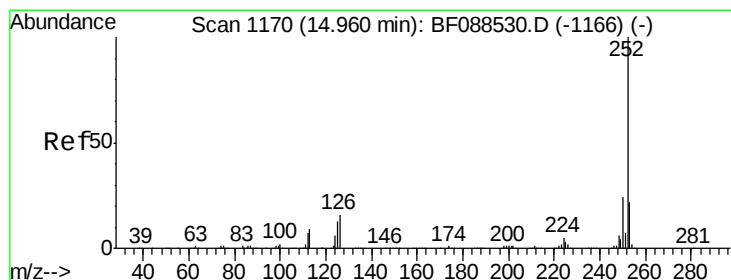
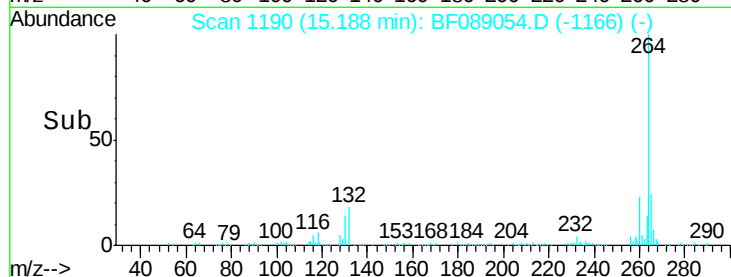
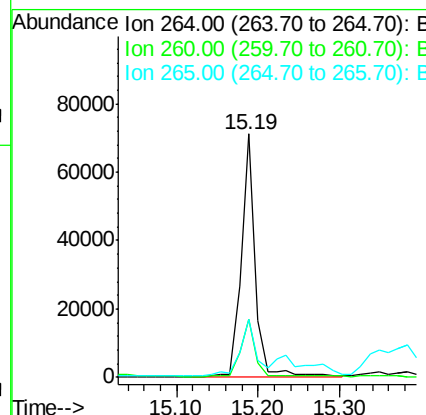
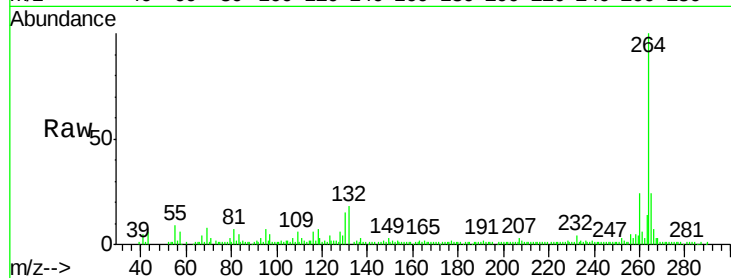




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.19 min Scan# 1190  
Delta R.T. -0.02 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

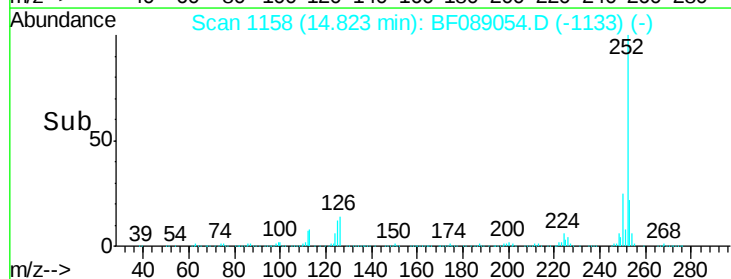
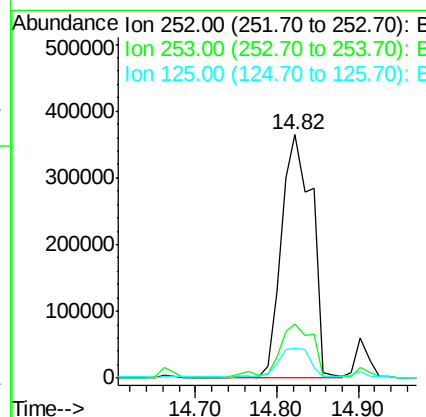
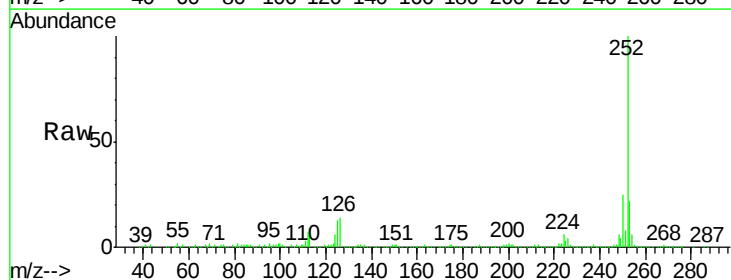
Instrument :  
BNA\_F  
ClientSampled :

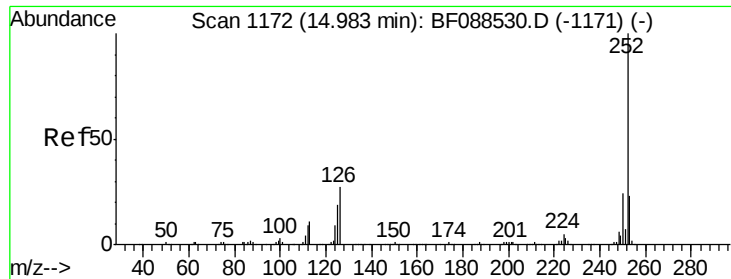
Tot Ion:264 Resp: 86997  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.2 28.8  
265 24.0 16.9 25.3



#87  
Benzo(b)fluoranthene  
Concen: 174.83 ng  
RT: 14.82 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:252 Resp: 954133  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.4 26.2  
125 12.5 7.1 10.7#

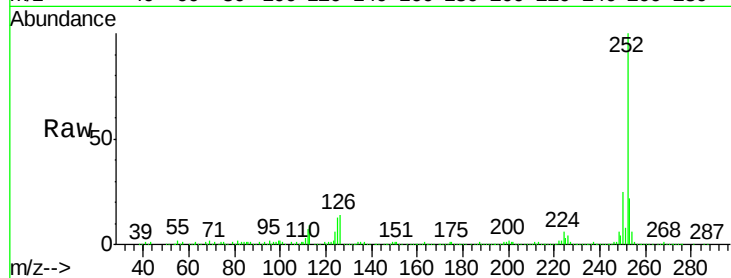




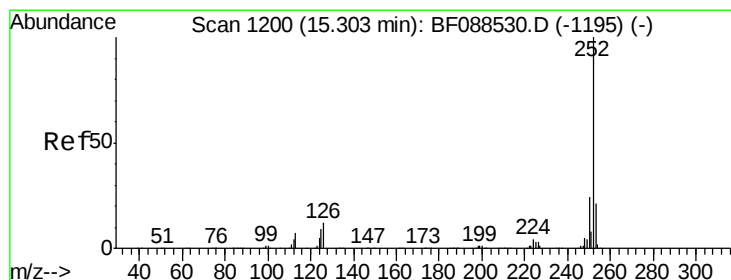
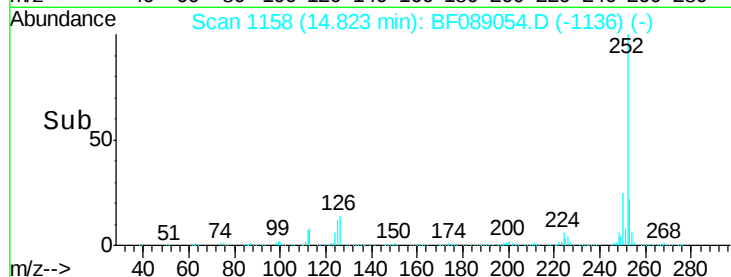
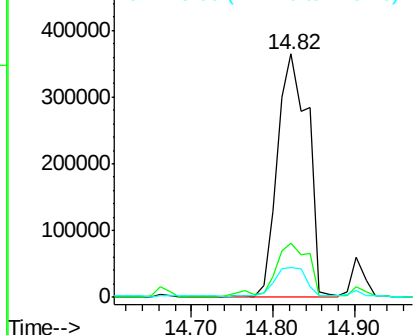
#88  
Benzo(k)fluoranthene  
Concen: 200.83 ng  
RT: 14.82 min Scan# 1158  
Delta R.T. -0.05 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 954133  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.0 27.0  
125 12.5 11.2 16.8

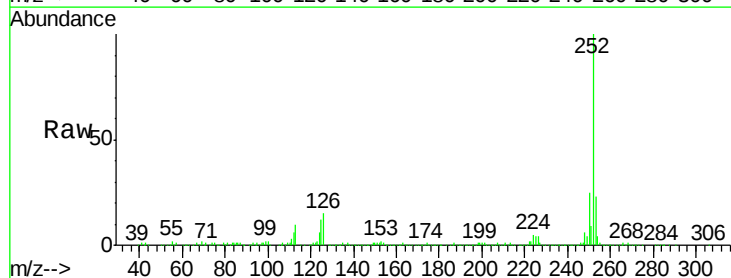


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

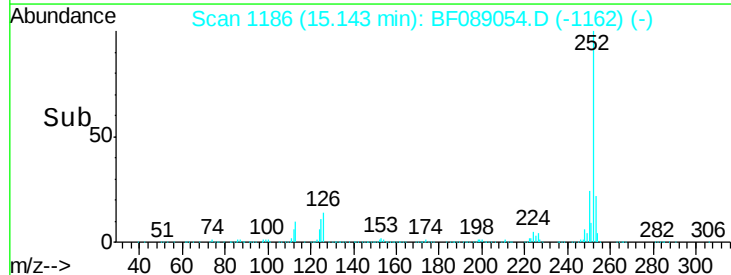
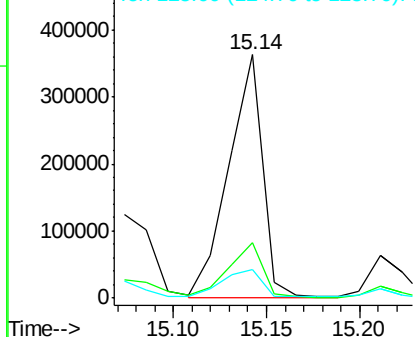


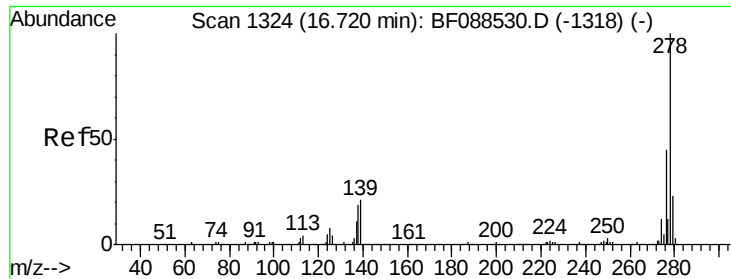
#89  
Benzo(a)pyrene  
Concen: 99.58 ng  
RT: 15.14 min Scan# 1186  
Delta R.T. -0.02 min  
Lab File: BF089054.D  
Acq: 16 Jul 2016 14:38

Tgt Ion:252 Resp: 460133  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.9 26.9  
125 11.8 12.5 18.7#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.22 ng

RT: 16.62 min Scan# 1315

Delta R.T. 0.10 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

Instrument :

BNA\_F

ClientSampleId :

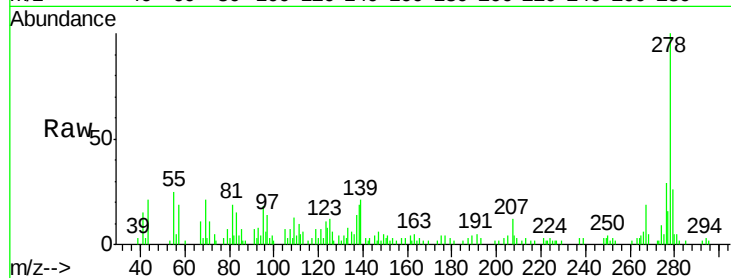
Tot Ion:278 Resp: 31735

Ion Ratio Lower Upper

278 100

139 21.3 15.7 23.5

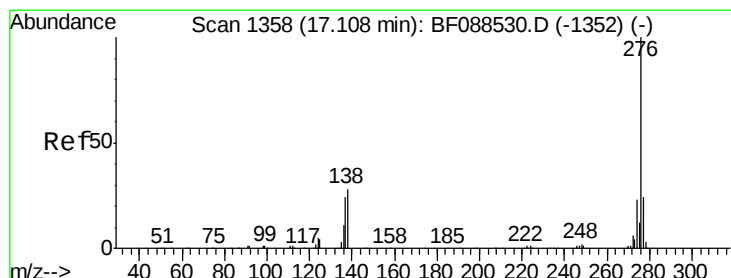
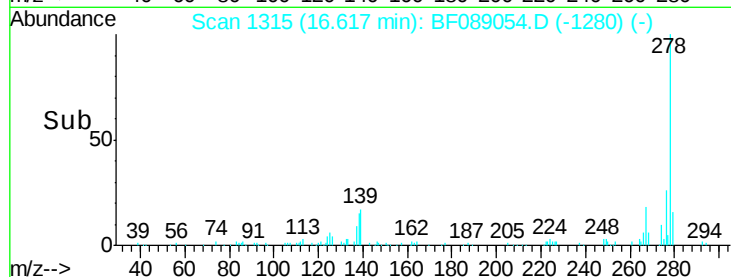
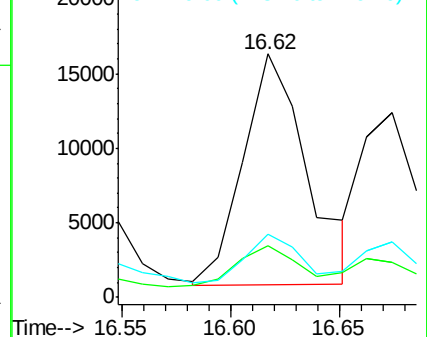
279 25.8 19.4 29.2



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: 65.23 ng

RT: 16.87 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF089054.D

Acq: 16 Jul 2016 14:38

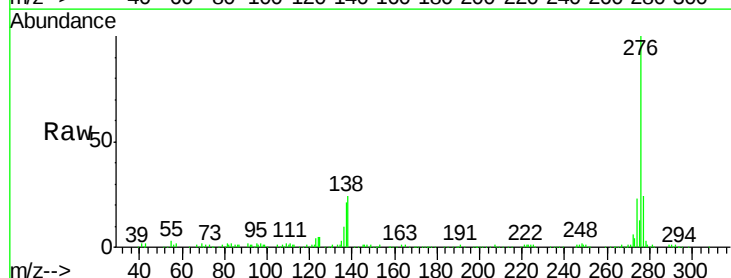
Tgt Ion:276 Resp: 260436

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 23.7 21.4 32.2



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

