

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\  
 Data File : BF101695.D  
 Acq On : 23 Dec 2017 11:17  
 Operator : SJ/JU  
 Sample : I6842-03  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

Quant Time: Dec 24 22:35:34 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 16:07:58 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 159550   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 610514   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.82  | 164  | 268289   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 456409   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.96 | 240  | 311816   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.43 | 264  | 282414   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 1432629 | 133.75 | ng | 0.02 |
| 7) Phenol-d6             | 6.45  | 99  | 1439811 | 108.01 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 1034249 | 94.30  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 344083  | 133.10 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 1628721 | 94.17  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.90 | 244 | 1370589 | 105.97 | ng | 0.00 |

## Target Compounds

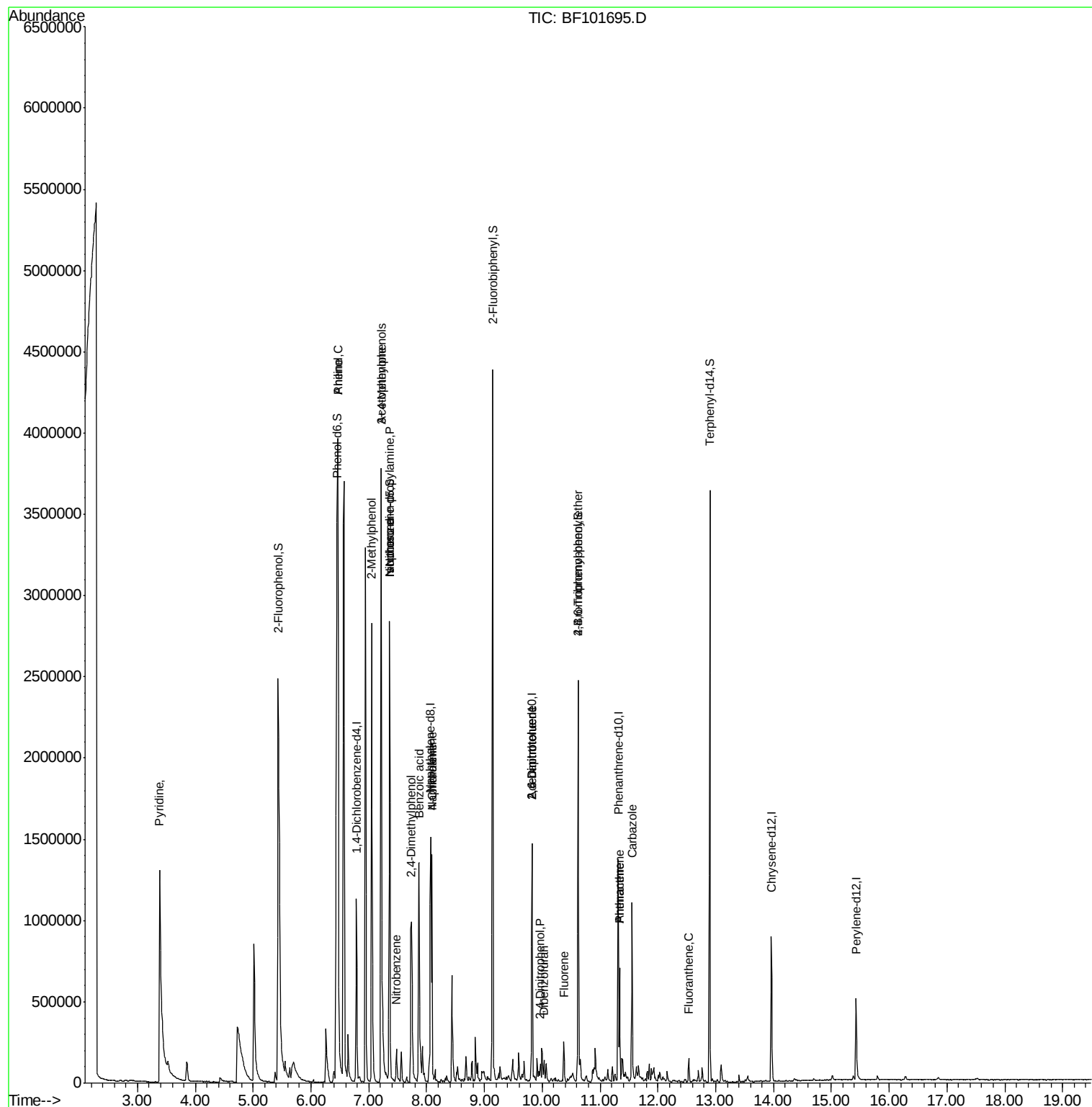
|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 3) Pyridine                    | 3.38  | 79  | 1248601 | 81.653  | ng | 94     |
| 6) Aniline                     | 6.47  | 93  | 42696   | 2.305   | ng | # 1    |
| 10) Phenol                     | 6.47  | 94  | 1925194 | 126.712 | ng | 97     |
| 17) 2-Methylphenol             | 7.05  | 107 | 554479  | 53.499  | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70  | 137652  | 15.724  | ng | # 83   |
| 20) 3+4-Methylphenols          | 7.22  | 107 | 1265870 | 115.258 | ng | 87     |
| 22) Acetophenone               | 7.22  | 105 | 41073   | 2.948   | ng | # 1    |
| 24) Nitrobenzene               | 7.47  | 77  | 50517   | 4.162   | ng | # 45   |
| 25) Isophorone                 | 7.36  | 82  | 1034249 | 47.008  | ng | # 64   |
| 27) 2,4-Dimethylphenol         | 7.73  | 122 | 360422  | 40.683  | ng | 98     |
| 31) Naphthalene                | 8.09  | 128 | 669360  | 21.778  | ng | 99     |
| 32) Benzoic acid               | 7.87  | 122 | 386714  | 61.999  | ng | # 14   |
| 33) 4-Chloroaniline            | 8.09  | 127 | 86729   | 6.492   | ng | # 34   |
| 50) 2,6-Dinitrotoluene         | 9.82  | 165 | 34870   | 7.950   | ng | # 26   |
| 53) 2,4-Dinitrophenol          | 9.97  | 184 | 174     | 10.420  | ng | # 1    |
| 54) Dibenzofuran               | 10.03 | 168 | 46634   | 2.124   | ng | 100    |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165 | 34870   | 7.056   | ng | # 24   |
| 57) Fluorene                   | 10.37 | 166 | 71477   | 3.848   | ng | 97     |
| 66) 4-Bromophenyl-phenvlether  | 10.62 | 248 | 21043   | 4.103   | ng | # 1    |
| 70) Phenanthrene               | 11.34 | 178 | 252794  | 9.960   | ng | 98     |
| 71) Anthracene                 | 11.34 | 178 | 252794  | 9.750   | ng | 99     |
| 72) Carbazole                  | 11.55 | 167 | 402230  | 16.570  | ng | 99     |
| 74) Fluoranthene               | 12.53 | 202 | 56331   | 2.114   | ng | 96     |

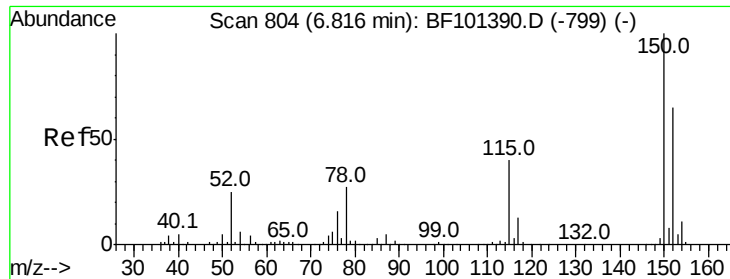
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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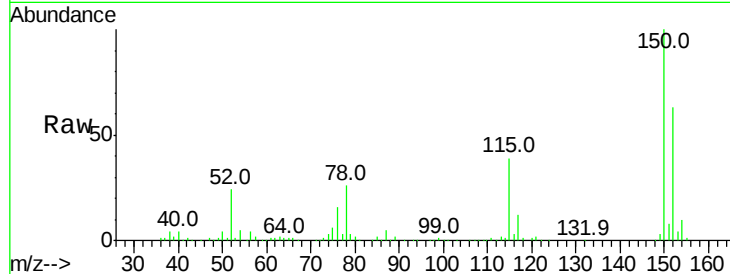


#1

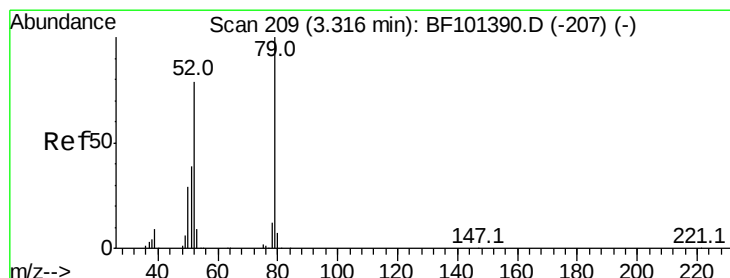
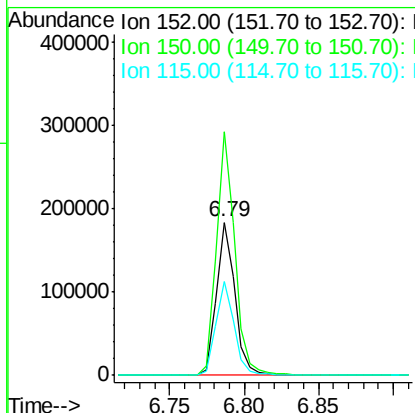
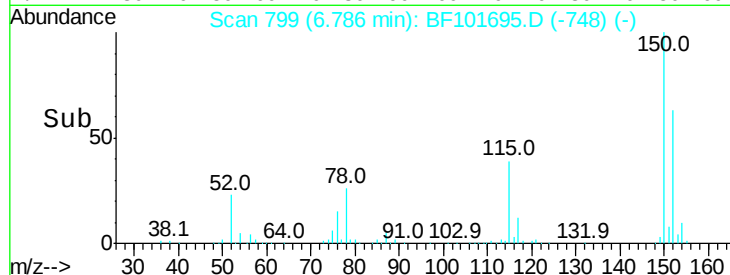
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. 0.00 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

Tot Ion:152 Resp: 159550  
 Ion Ratio Lower Upper  
 152 100  
 150 159.0 124.6 186.8  
 115 61.6 50.1 75.1



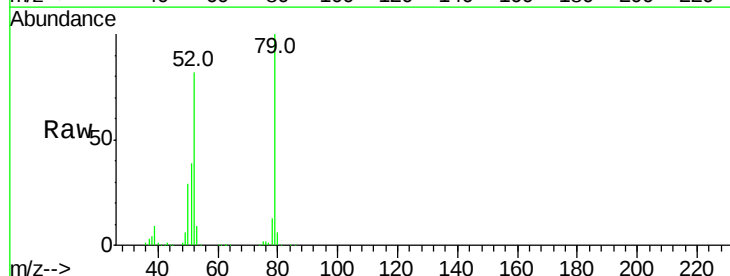
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



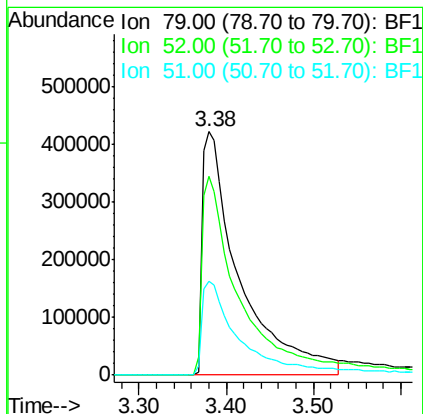
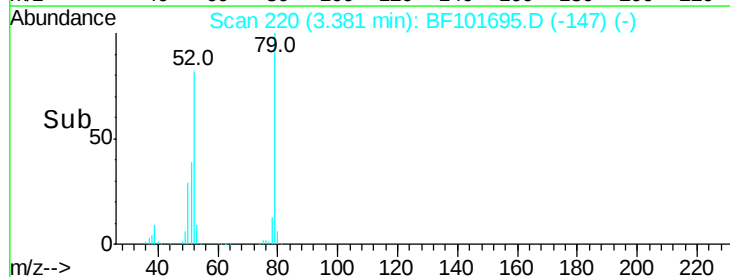
#3

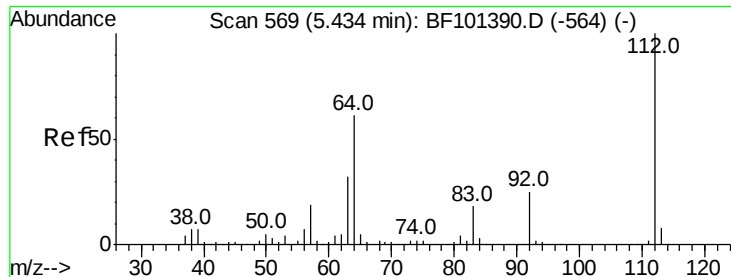
Pyridine  
 Concen: 81.653 ng  
 RT: 3.38 min Scan# 220  
 Delta R.T. 0.13 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Tgt Ion: 79 Resp: 1248601  
 Ion Ratio Lower Upper  
 79 100  
 52 81.6 59.8 89.6  
 51 38.7 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
 Ion 52.00 (51.70 to 52.70): BF1  
 Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 133.752 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

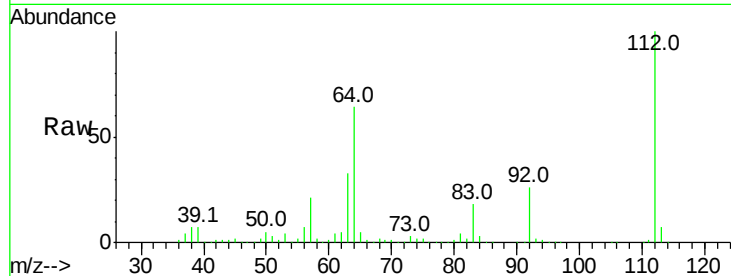
Tot Ion:112 Resp: 1432629

Ion Ratio Lower Upper

112 100

64 64.1 47.9 71.9

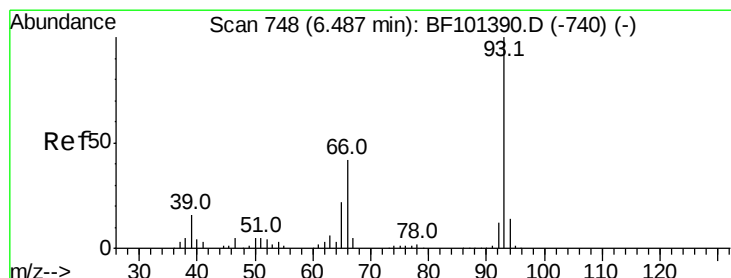
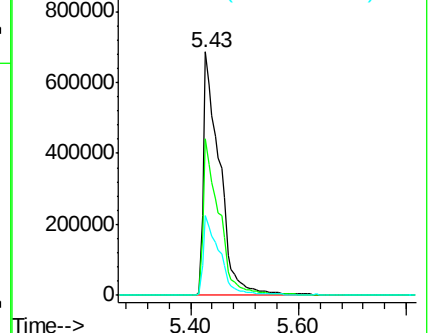
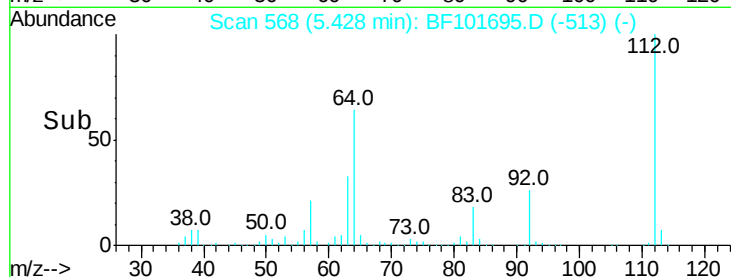
63 32.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.305 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

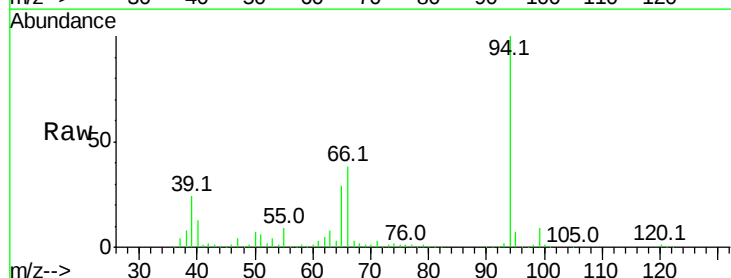
Tgt Ion: 93 Resp: 42696

Ion Ratio Lower Upper

93 100

66 1651.1 32.2 48.2#

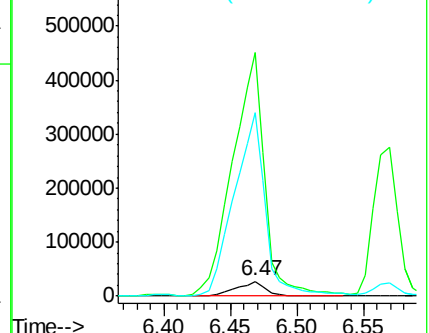
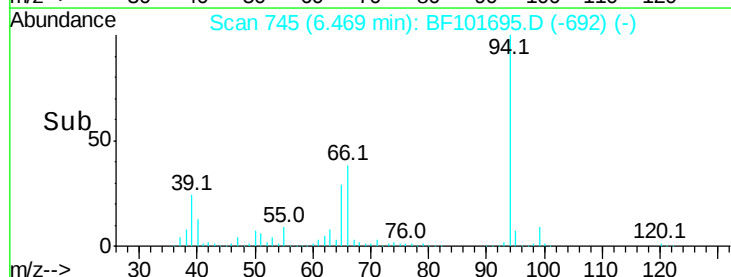
65 1245.0 16.4 24.6#

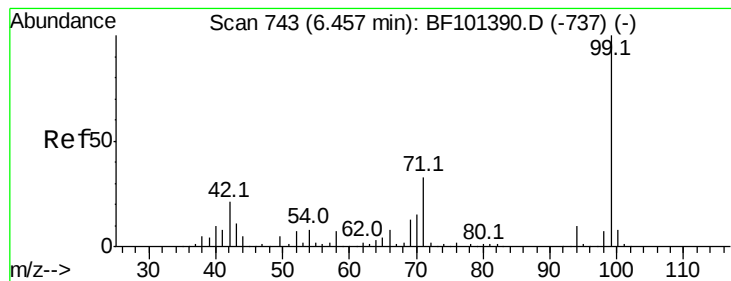


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.010 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

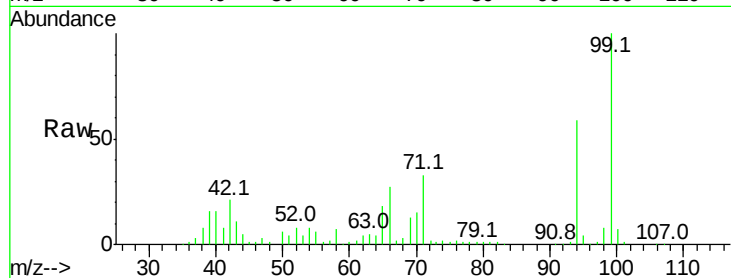
Tot Ion: 99 Resp: 1439811

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.4  | 14.5  | 21.7  |
| 71  | 33.1  | 25.4  | 38.0  |

99 100

42 21.4 14.5 21.7

71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

800000

600000

400000

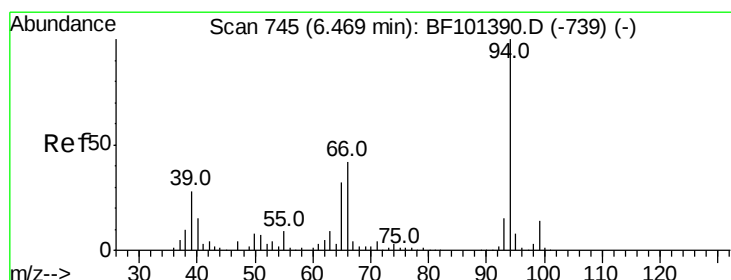
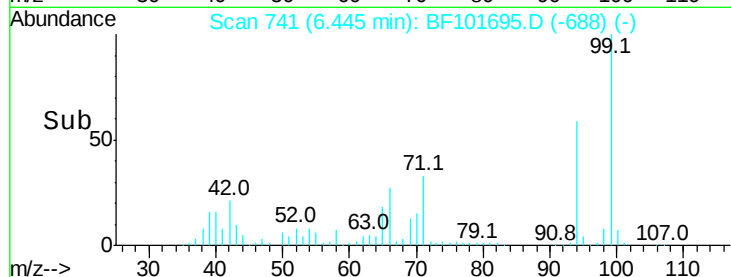
200000

0

6.45

6.40 6.50 6.60

Time-->



#10

Phenol

Concen: 126.712 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

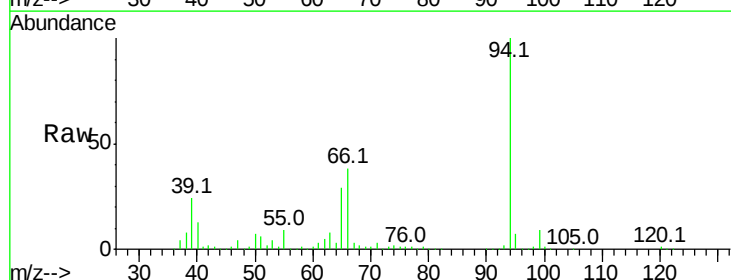
Tgt Ion: 94 Resp: 1925194

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.9  | 7.9   | 47.9  |
| 66  | 38.3  | 16.2  | 56.2  |

94 100

65 28.9 7.9 47.9

66 38.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

1500000

1000000

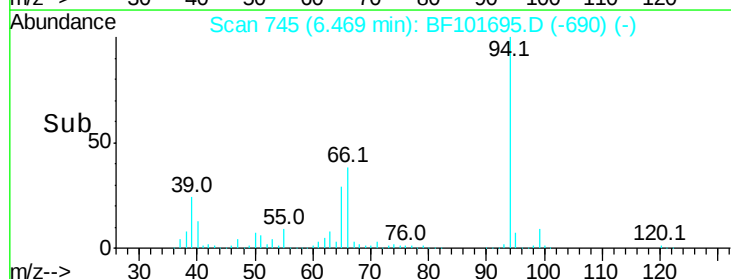
500000

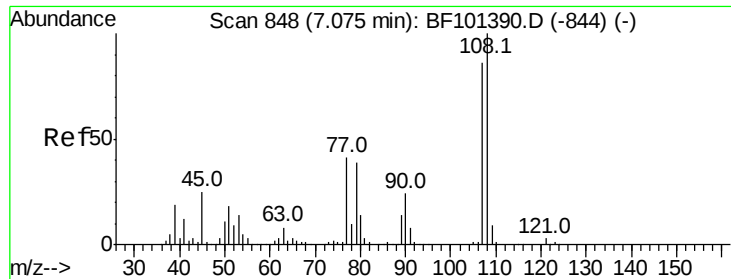
0

6.47

6.40 6.60 6.80

Time-->





#17

2-Methylphenol

Concen: 53.499 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

Tot Ion:107 Resp: 554479

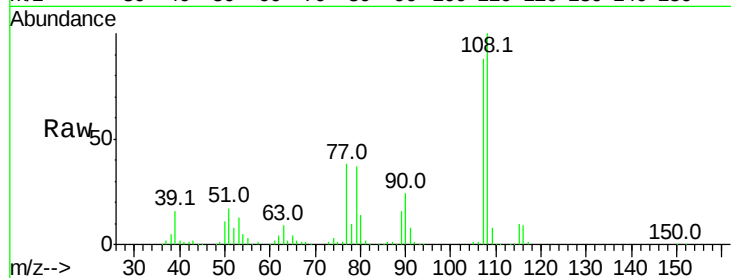
Ion Ratio Lower Upper

107 100

108 114.1 91.7 137.5

77 42.9 33.8 50.8

79 42.5 33.8 50.8

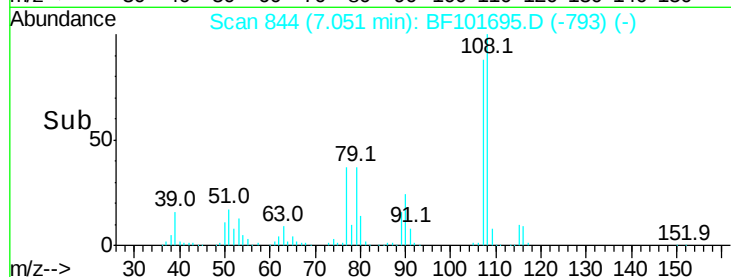


Abundance Ion 107.00 (106.70 to 107.70): E

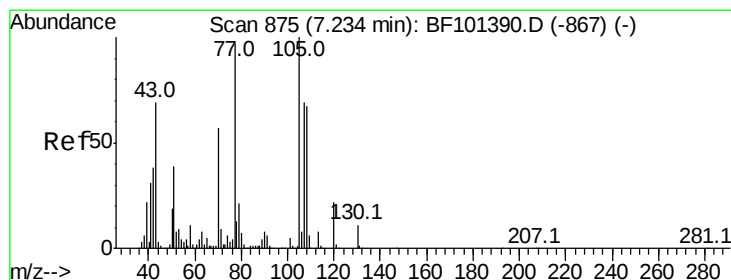
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.724 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Tgt Ion: 70 Resp: 137652

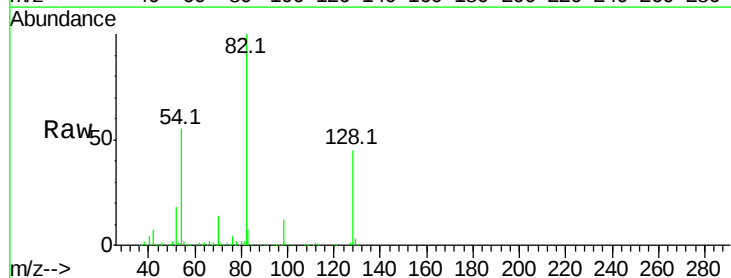
Ion Ratio Lower Upper

70 100

42 53.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

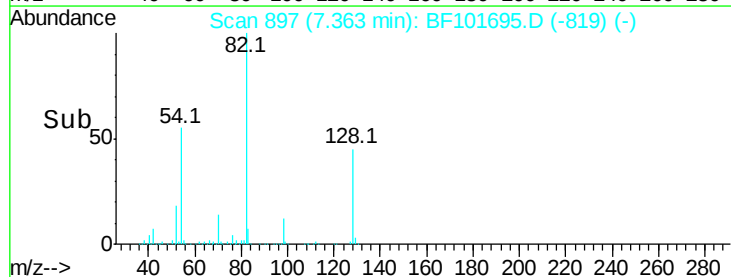


Abundance Ion 70.00 (69.70 to 70.70): BF1

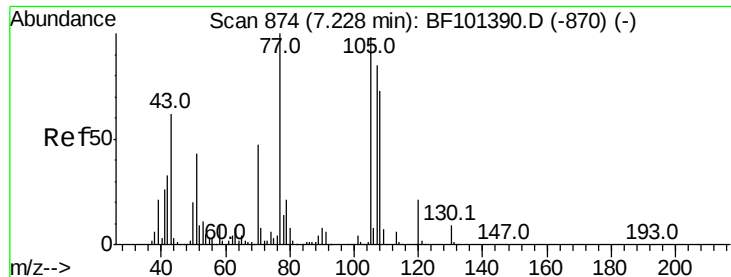
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



Time-->



#20

3+4-Methylphenols

Concen: 115.258 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

Tot Ion:107 Resp: 1265870

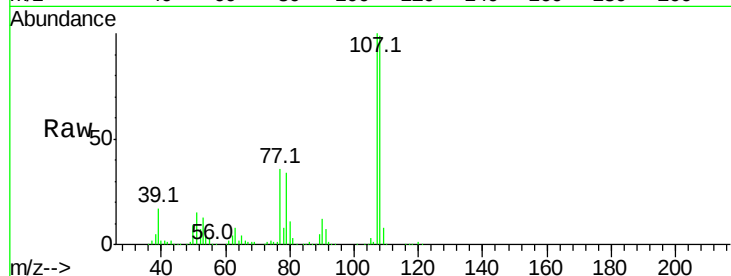
Ion Ratio Lower Upper

107 100

108 98.6 68.2 108.2

77 36.0 26.7 66.7

79 34.2 6.3 46.3

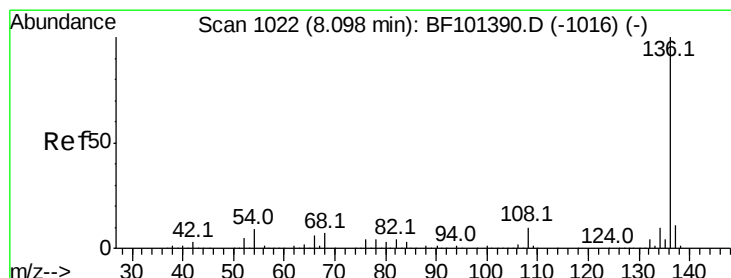
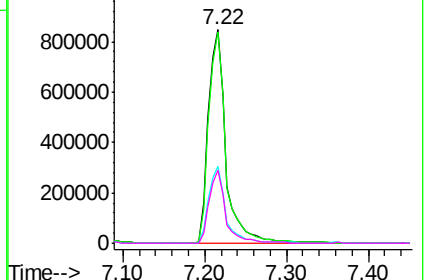
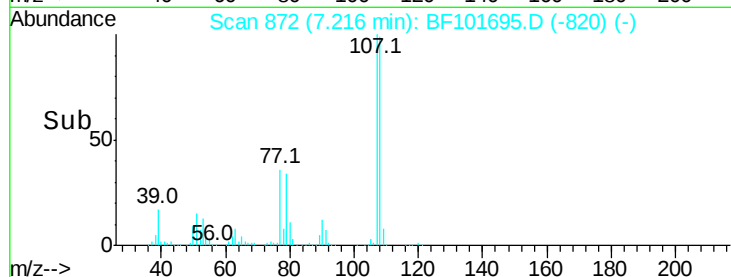


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Tgt Ion:136 Resp: 610514

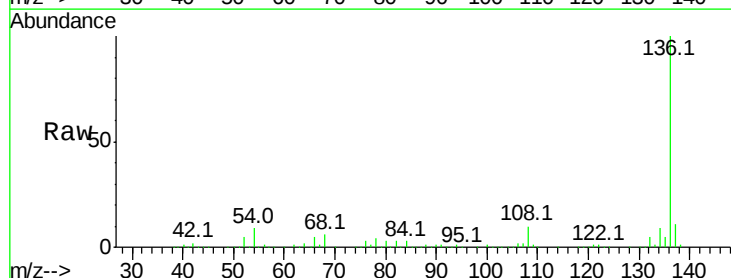
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.0 6.6 9.8

68 6.4 5.0 7.4

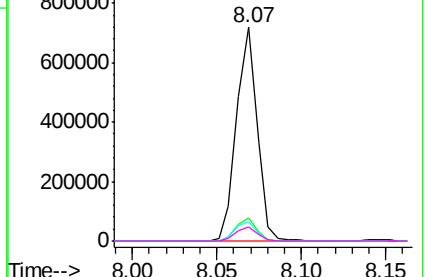
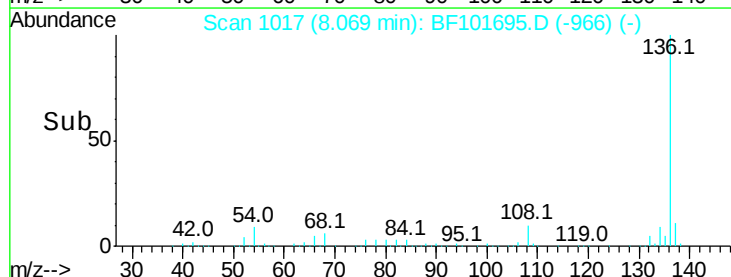


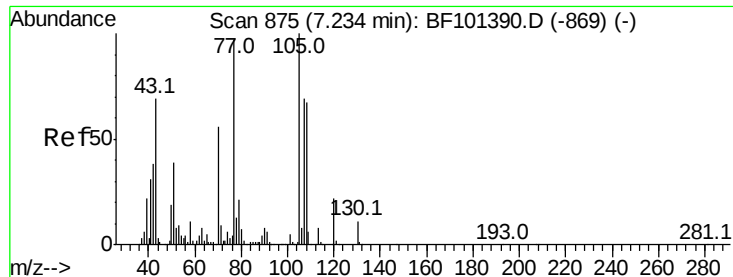
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 2.948 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

Tot Ion:105 Resp: 41073

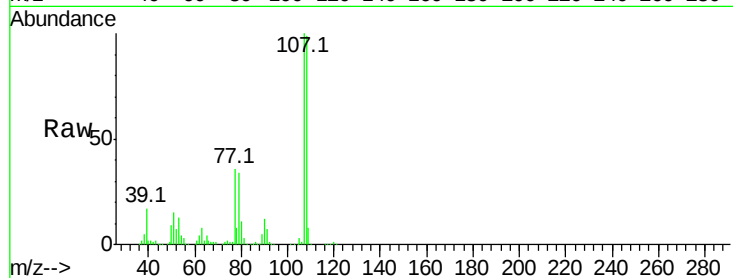
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 426.9 22.3 33.5#

120 20.6 16.9 25.3

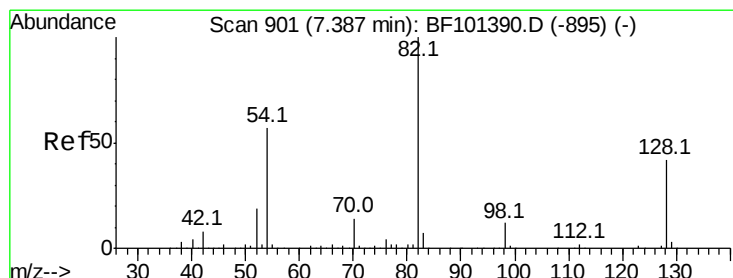
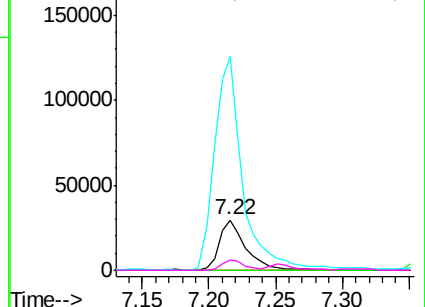
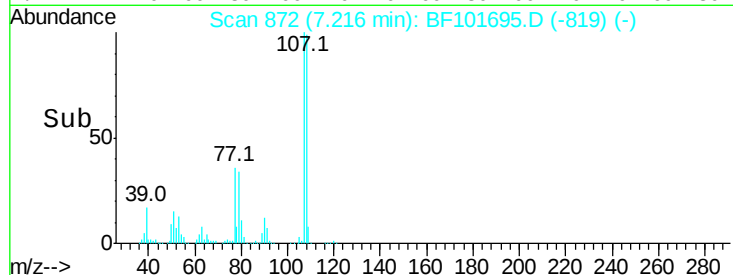


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 94.301 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

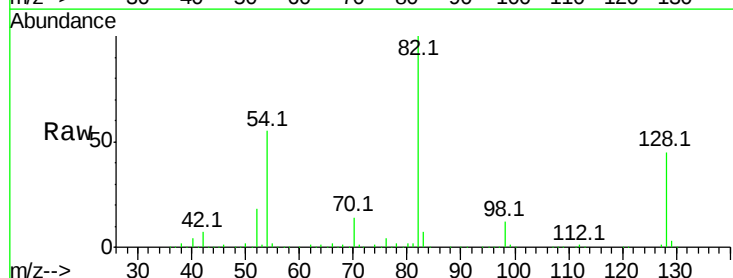
Tgt Ion: 82 Resp: 1034249

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

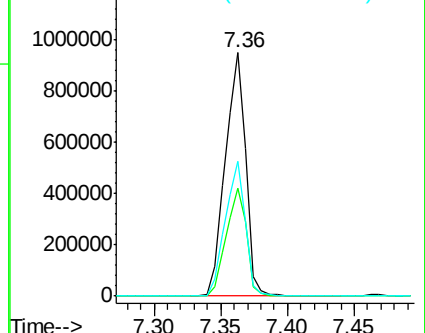
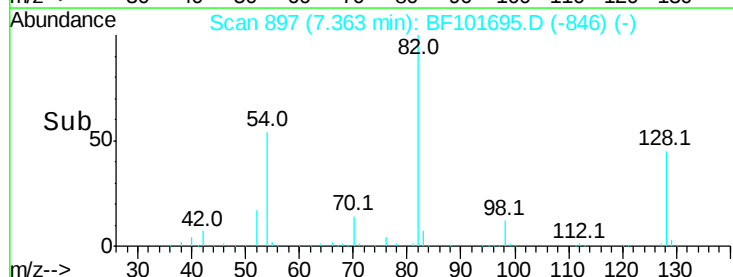
54 55.2 41.4 62.2

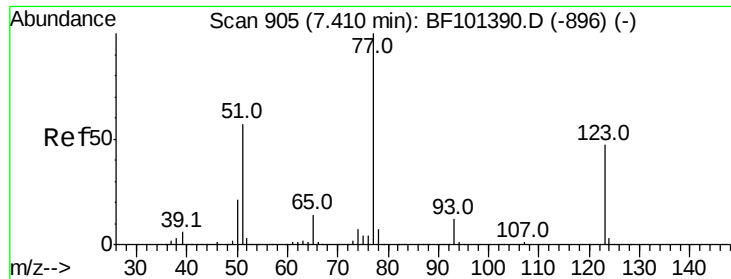


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

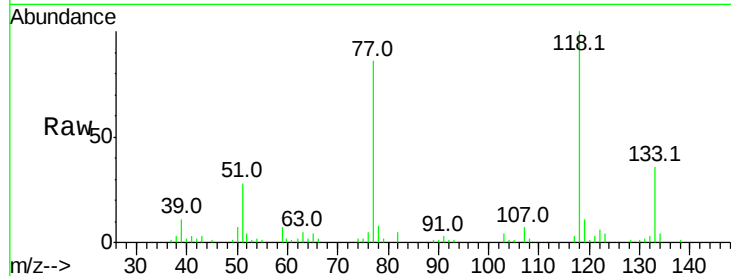




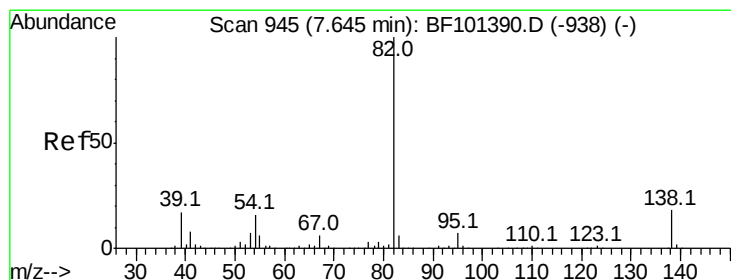
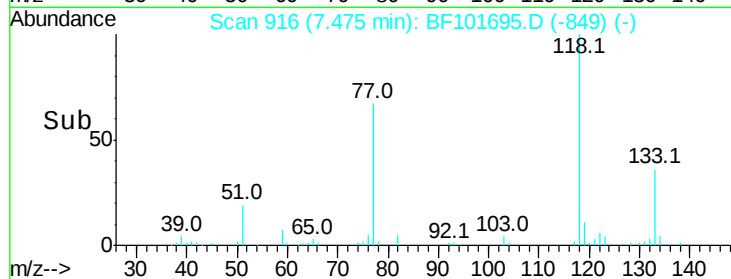
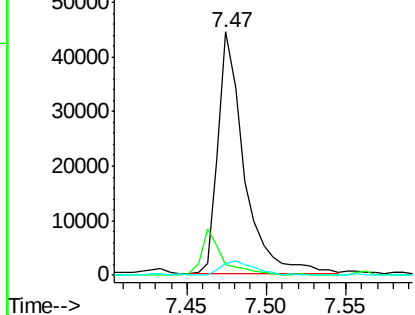
#24  
 Nitrobenzene  
 Concen: 4.162 ng  
 RT: 7.47 min Scan# 916  
 Delta R.T. 0.09 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 4.4   | 37.9  | 56.9# |
| 65      | 5.1   | 11.0  | 16.4# |

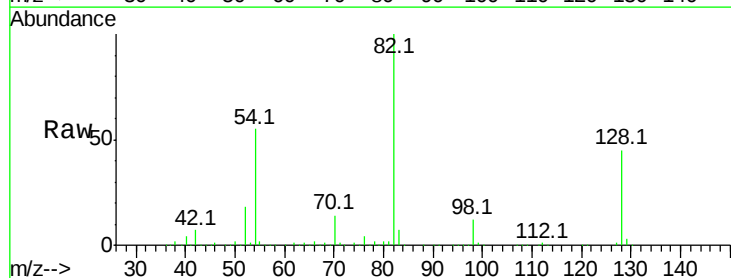


Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1

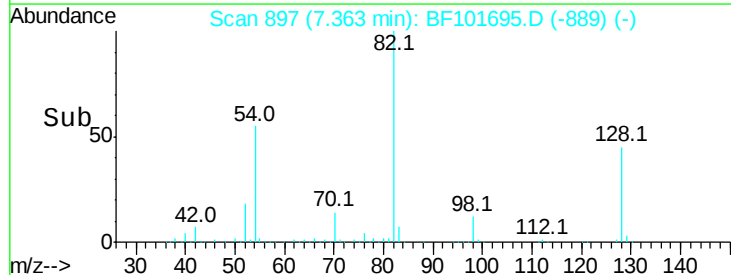
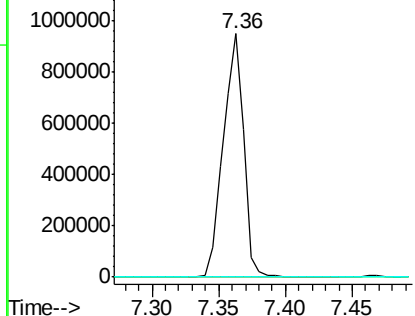


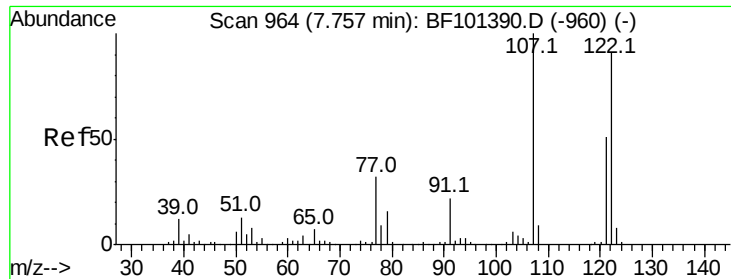
#25  
 Isophorone  
 Concen: 47.008 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. -0.25 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.2   | 7.8#  |
| 138     | 0.0   | 14.9  | 22.3# |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 40.683 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

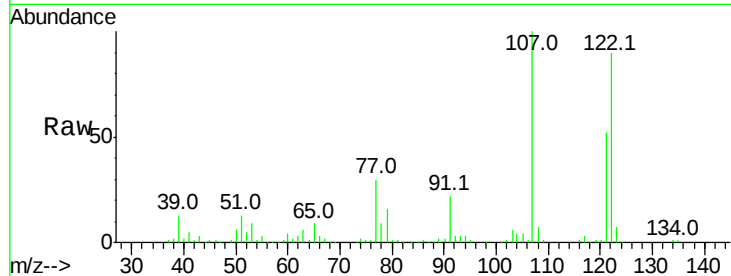
Tot Ion:122 Resp: 360422

Ion Ratio Lower Upper

122 100

107 111.0 91.2 136.8

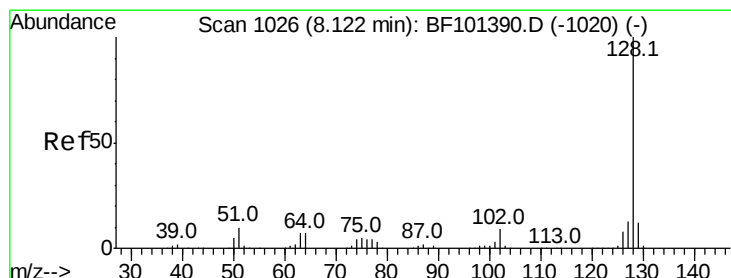
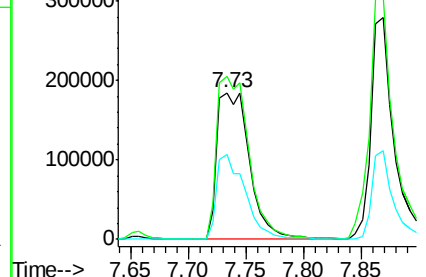
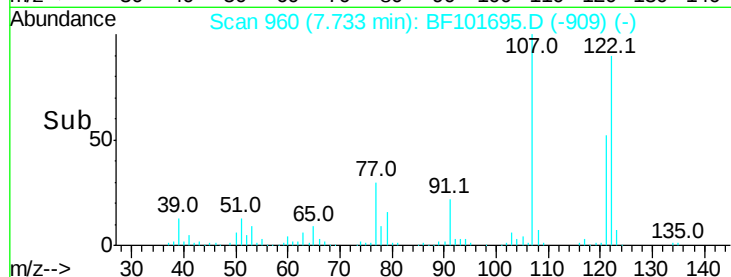
121 57.8 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 21.778 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

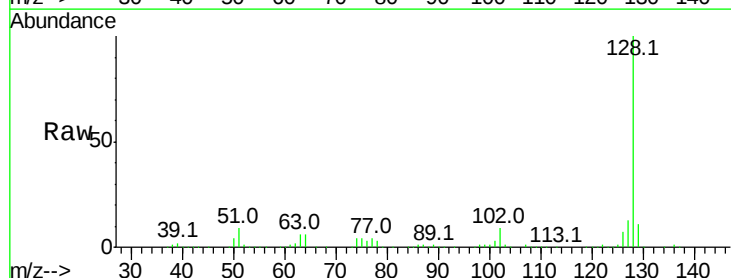
Tgt Ion:128 Resp: 669360

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

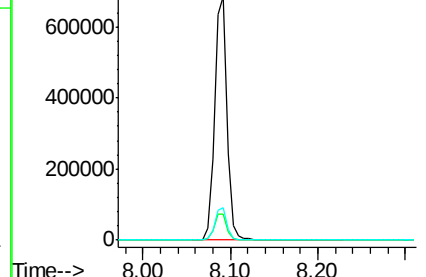
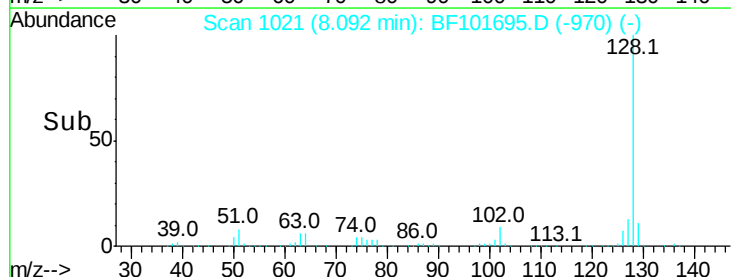
127 13.1 10.9 16.3

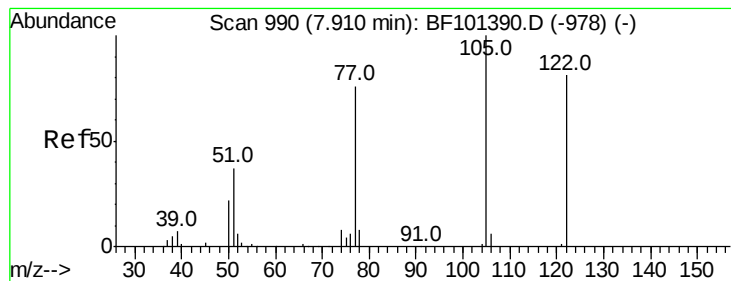


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 61.999 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

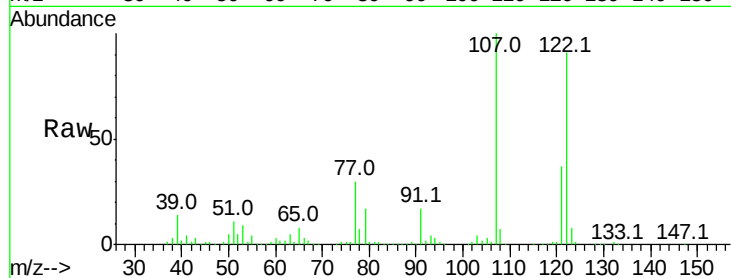
Tot Ion:122 Resp: 386714

Ion Ratio Lower Upper

122 100

105 3.3 101.1 141.1#

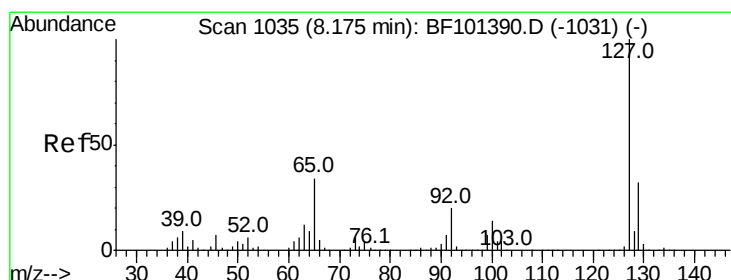
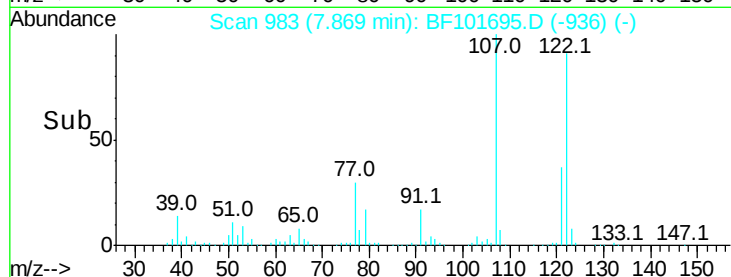
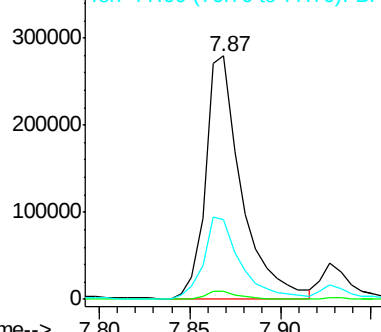
77 32.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 6.492 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Tgt Ion:127 Resp: 86729

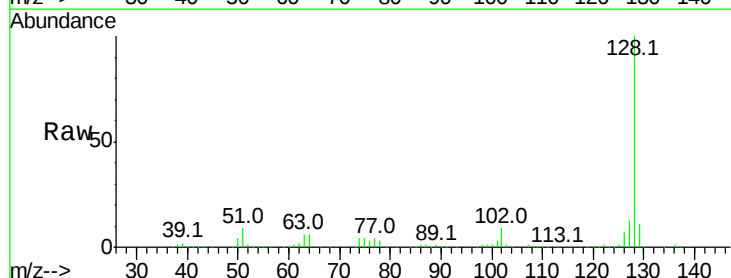
Ion Ratio Lower Upper

127 100

129 82.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

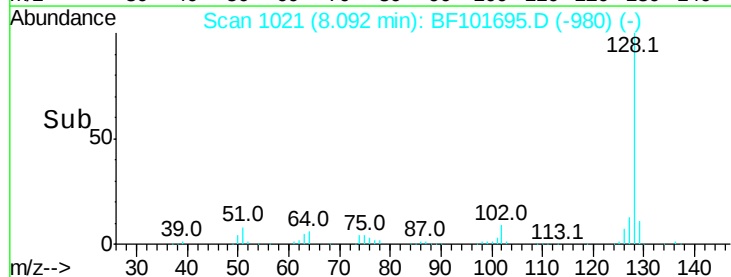
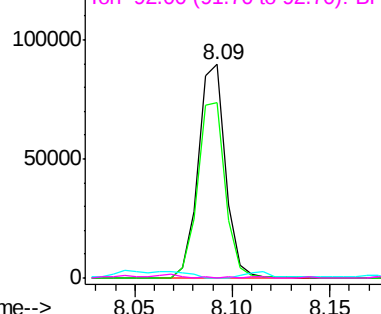


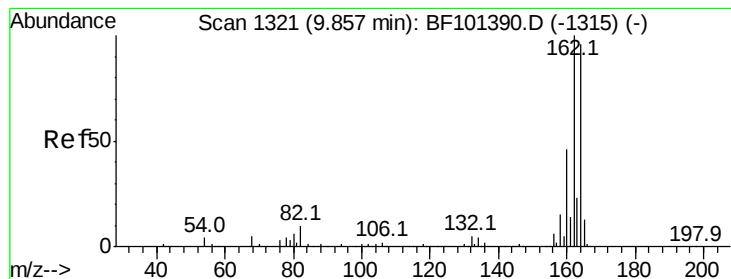
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

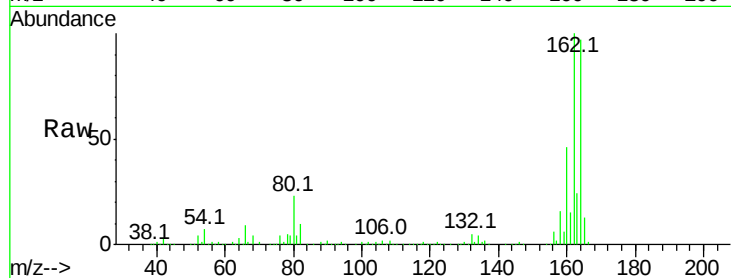
Tot Ion:164 Resp: 268289

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

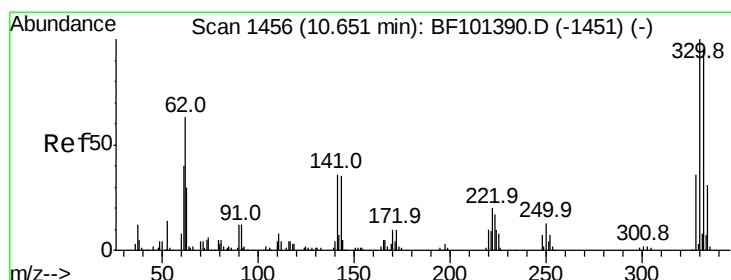
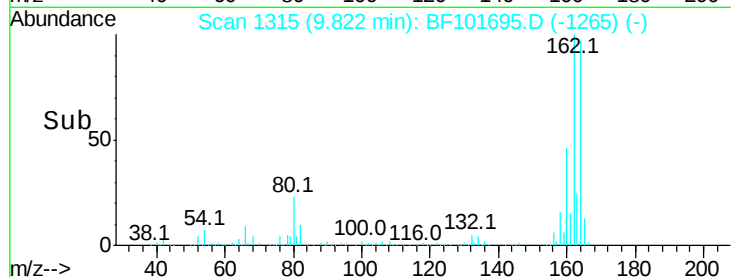
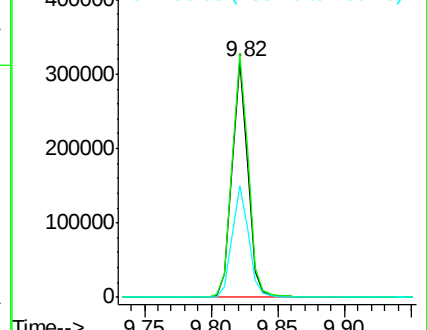
160 47.2 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 133.099 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

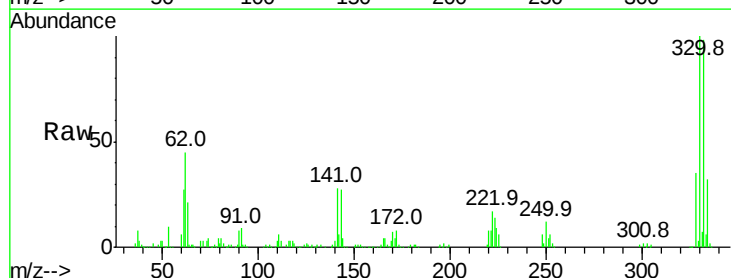
Tgt Ion:330 Resp: 344083

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

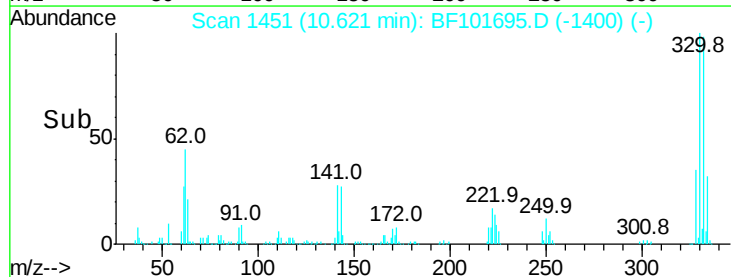
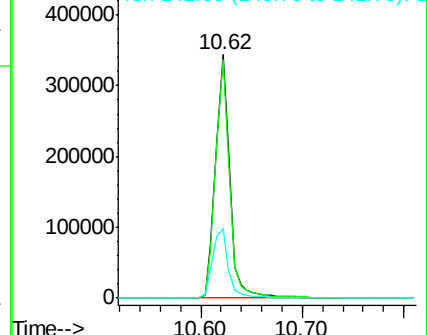
141 31.8 29.9 44.9

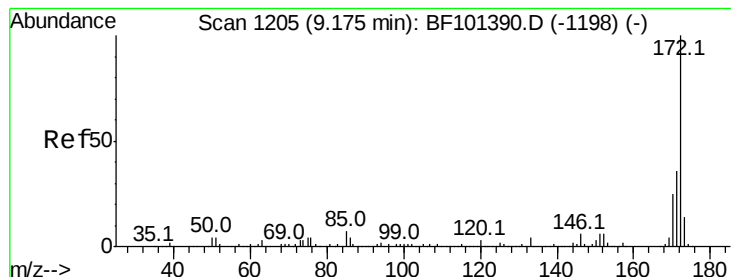


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 94.172 ng

RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

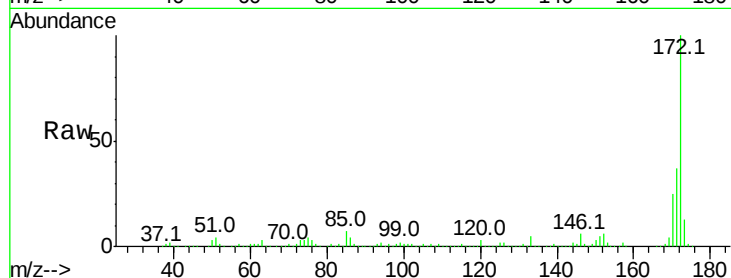
Tot Ion:172 Resp: 1628721

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

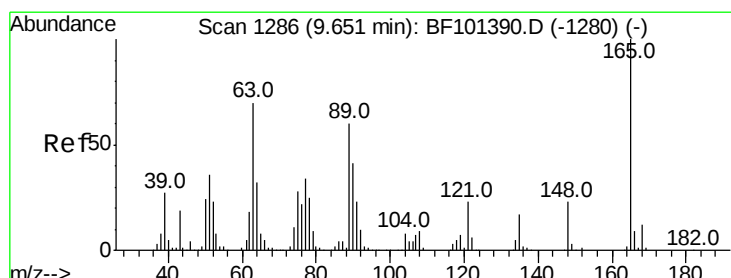
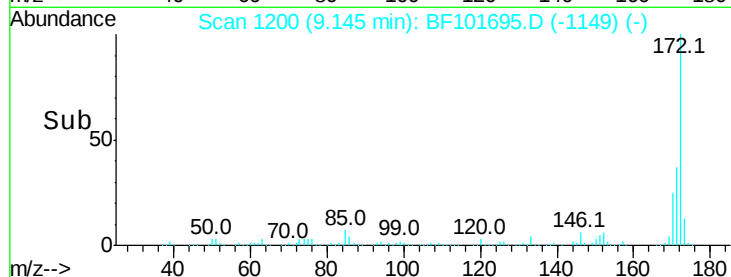
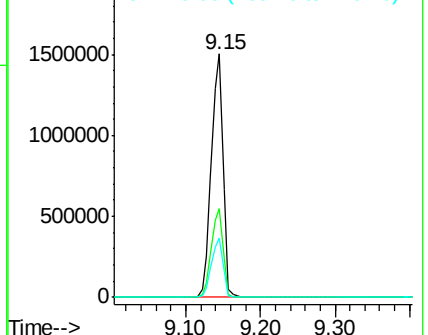
170 24.5 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.950 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

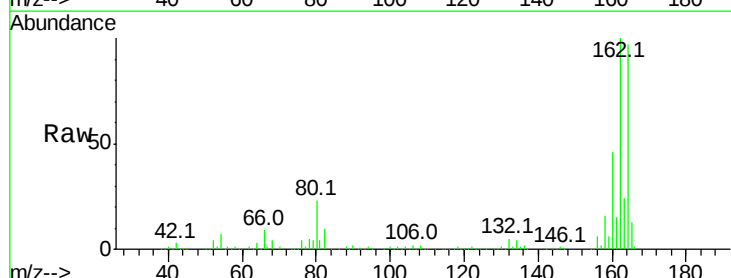
Tgt Ion:165 Resp: 34870

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

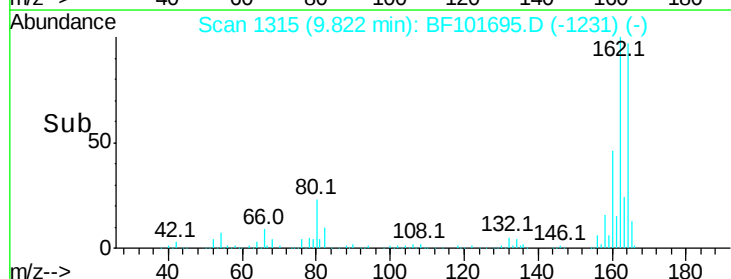
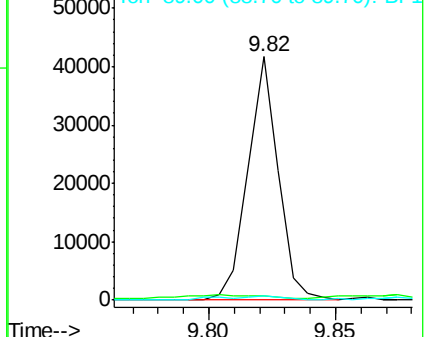
89 1.7 44.0 66.0#

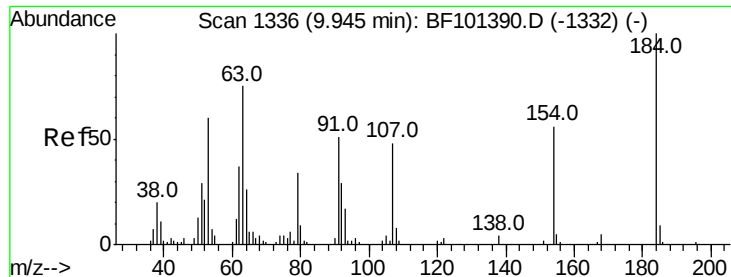


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

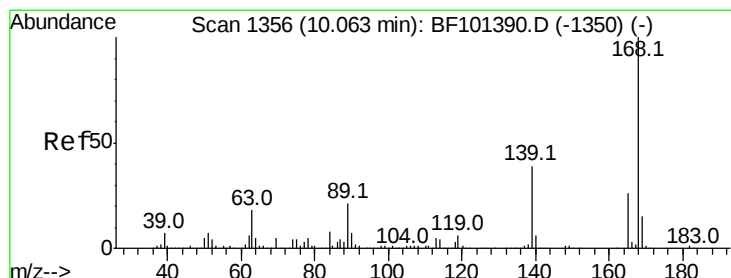
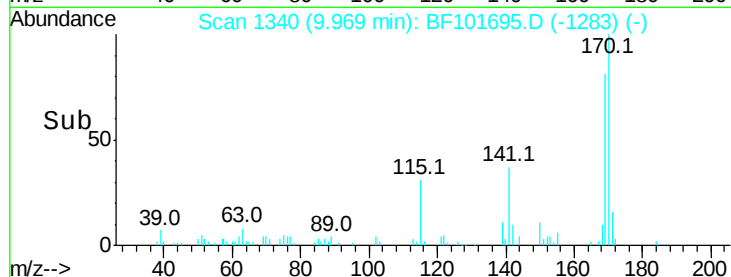
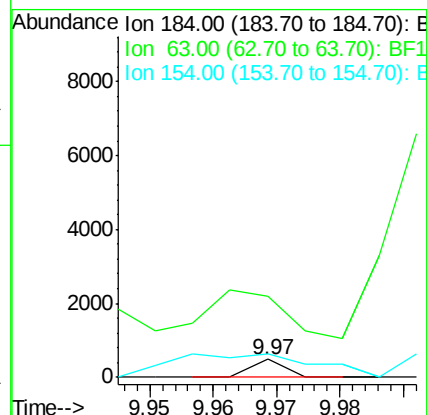
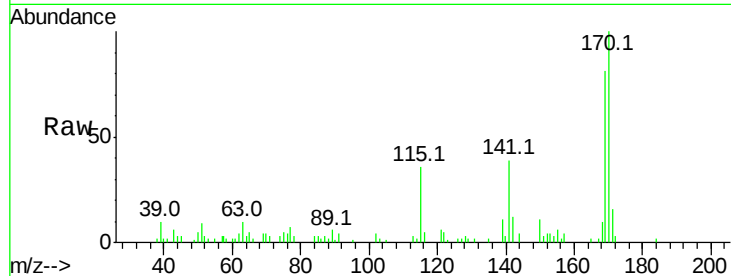




#53  
 2,4-Dinitrophenol  
 Concen: 10.420 ng  
 RT: 9.97 min Scan# 1340  
 Delta R.T. 0.04 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

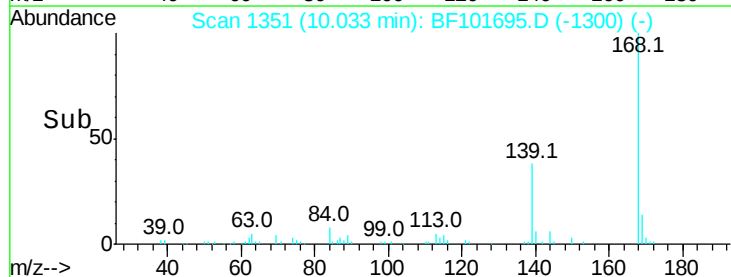
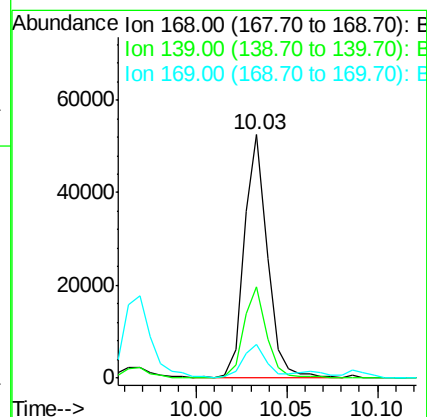
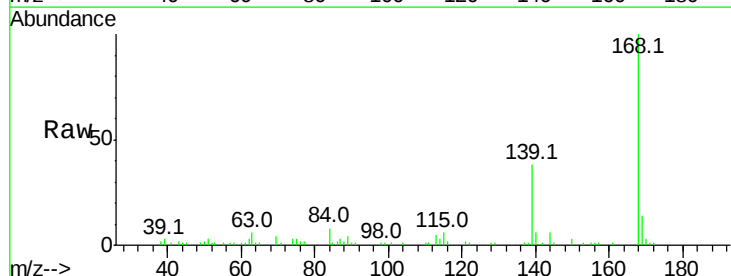
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

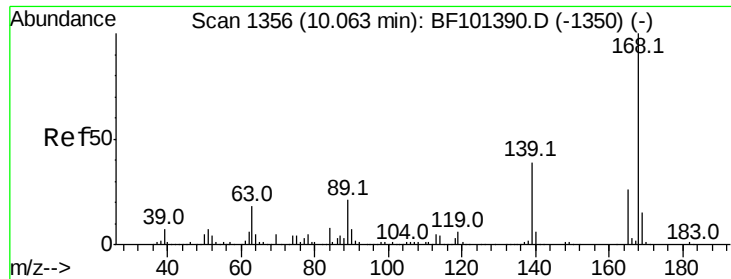
Tot Ion:184 Resp: 174  
 Ion Ratio Lower Upper  
 184 100  
 63 446.3 54.2 81.2#  
 154 129.9 184.0 276.0#



#54  
 Dibenzofuran  
 Concen: 2.124 ng  
 RT: 10.03 min Scan# 1351  
 Delta R.T. 0.00 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Tgt Ion:168 Resp: 46634  
 Ion Ratio Lower Upper  
 168 100  
 139 37.6 30.1 45.1  
 169 13.7 10.9 16.3

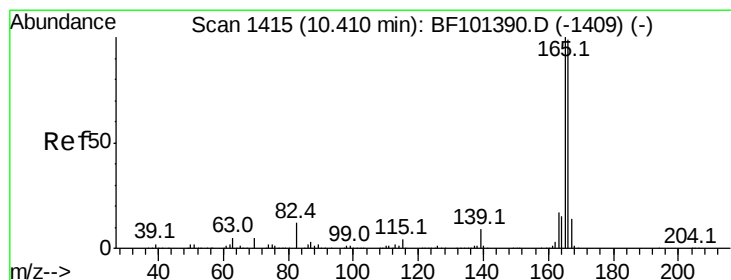
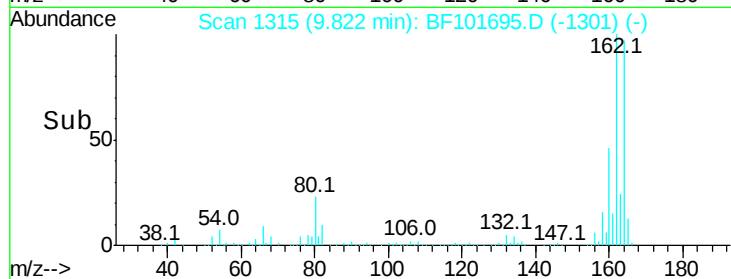
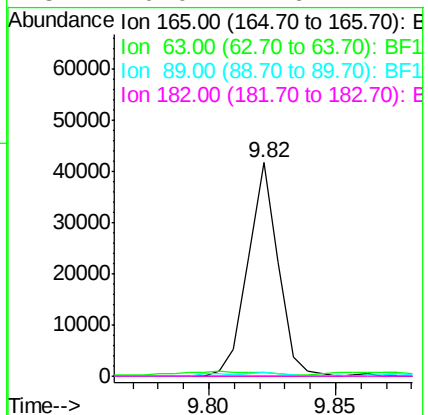
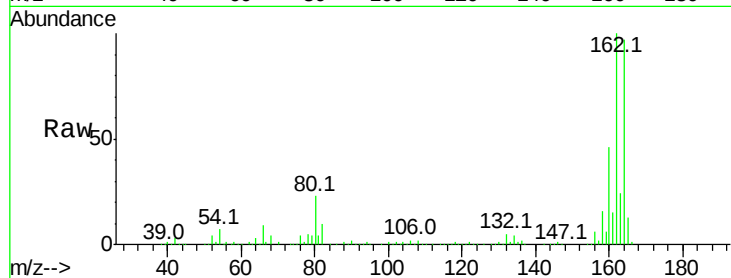




#56  
 2,4-Dinitrotoluene  
 Concen: 7.056 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.22 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

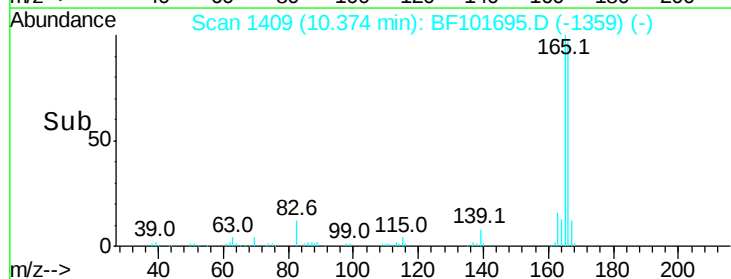
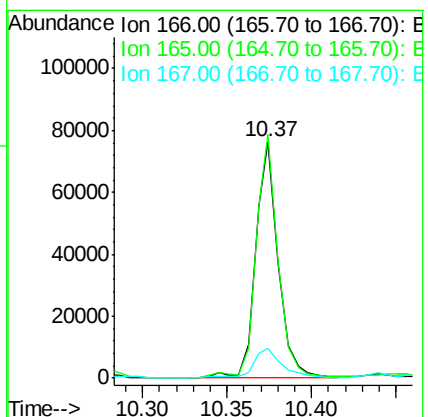
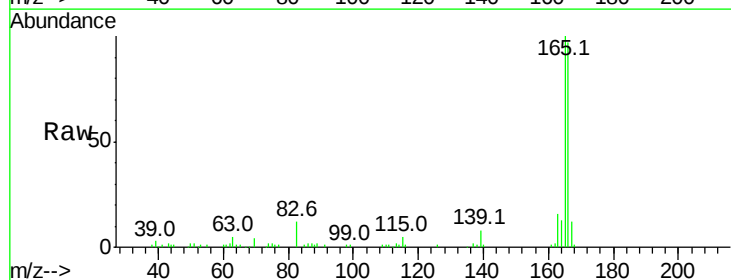
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

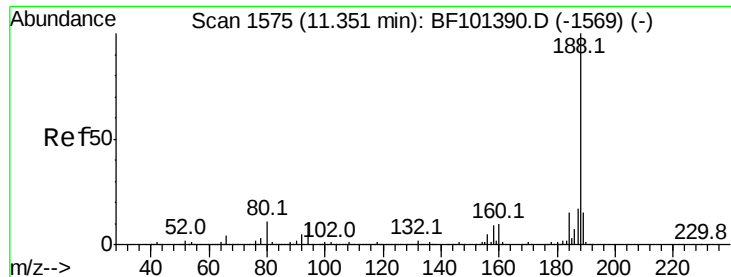
Tot Ion:165 Resp: 34870  
 Ion Ratio Lower Upper  
 165 100  
 63 1.9 36.4 54.6#  
 89 1.7 57.8 86.6#  
 182 0.0 1.6 2.4#



#57  
 Fluorene  
 Concen: 3.848 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. -0.01 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Tgt Ion:166 Resp: 71477  
 Ion Ratio Lower Upper  
 166 100  
 165 103.1 79.8 119.8  
 167 12.8 10.6 16.0

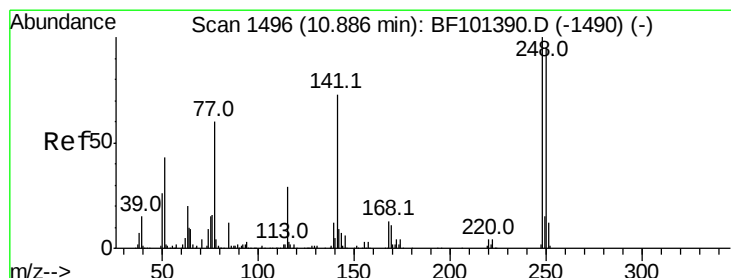
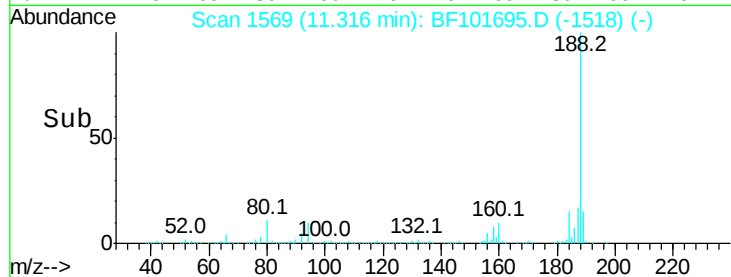
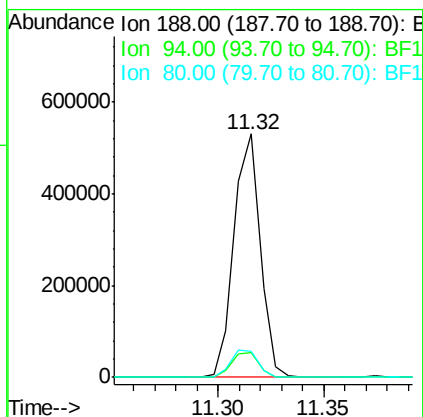
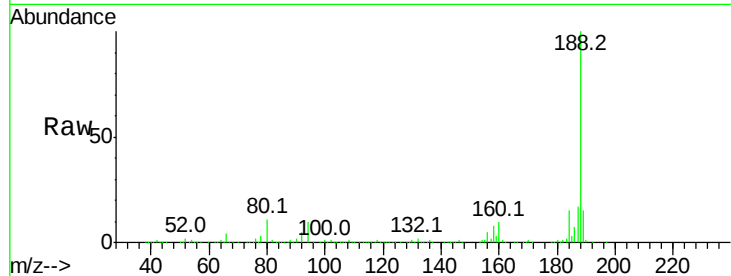




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: BF101695.D  
Acq: 23 Dec 2017 11:17

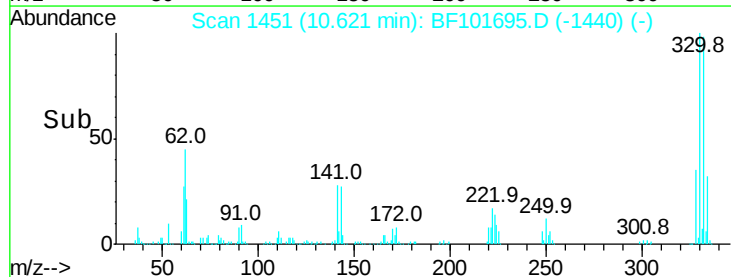
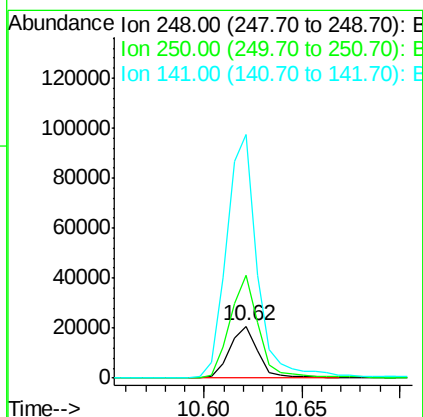
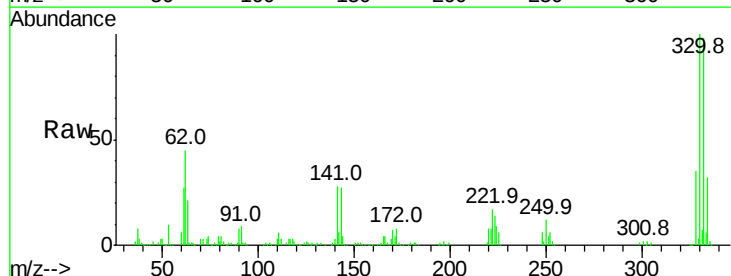
Instrument :  
BNA\_F  
ClientSampleId :  
WC-04-01

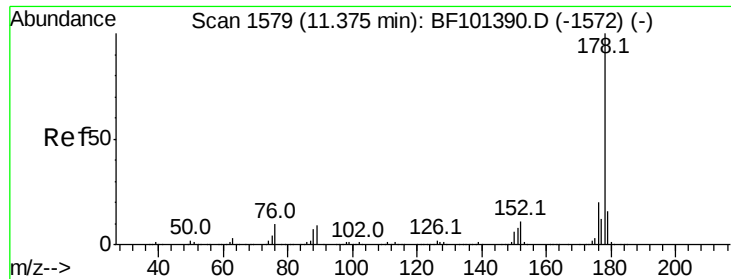
Tot Ion:188 Resp: 456409  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.5 12.7  
80 10.8 9.2 13.8



#66  
4-Bromophenyl-phenylether  
Concen: 4.103 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.24 min  
Lab File: BF101695.D  
Acq: 23 Dec 2017 11:17

Tgt Ion:248 Resp: 21043  
Ion Ratio Lower Upper  
248 100  
250 197.5 76.9 115.3#  
141 466.6 74.4 111.6#





#70

Phenanthrene

Concen: 9.960 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

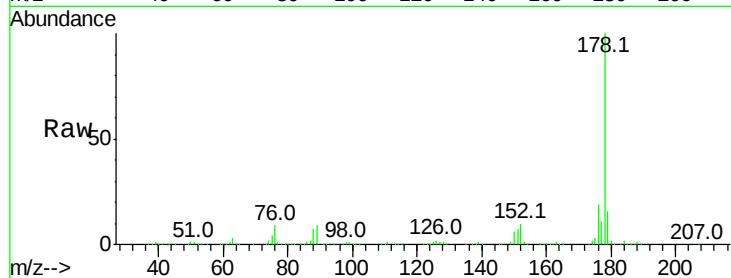
Tot Ion:178 Resp: 252794

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

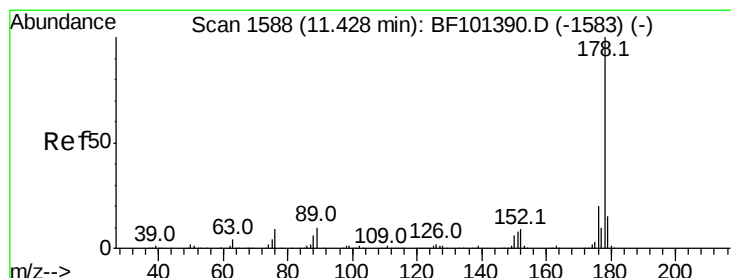
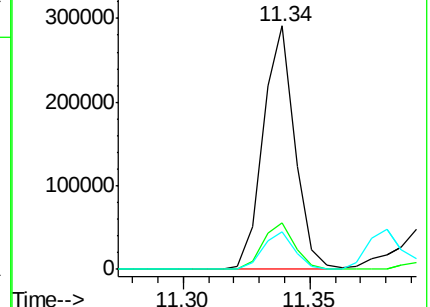
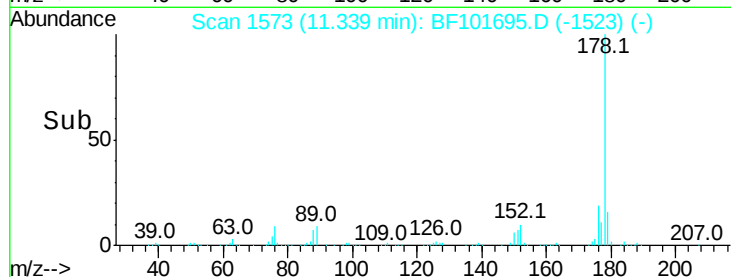
179 15.6 13.0 19.6



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: 9.750 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.06 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

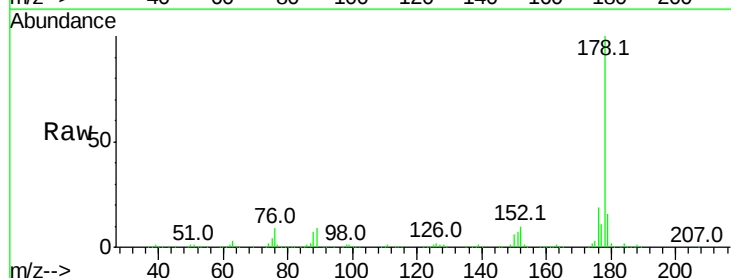
Tgt Ion:178 Resp: 252794

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

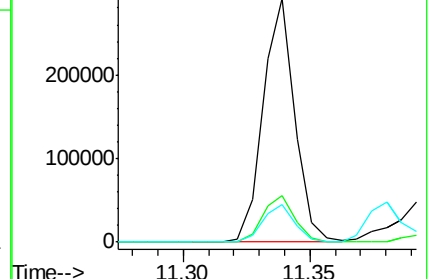
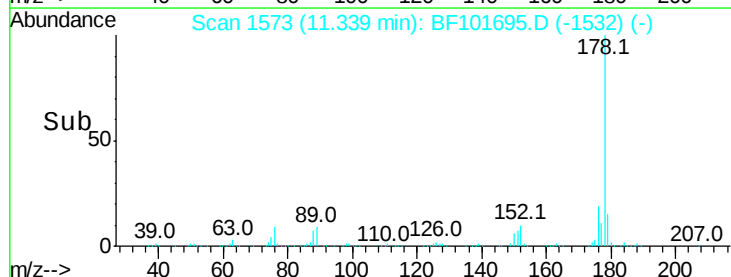
179 15.6 12.6 19.0

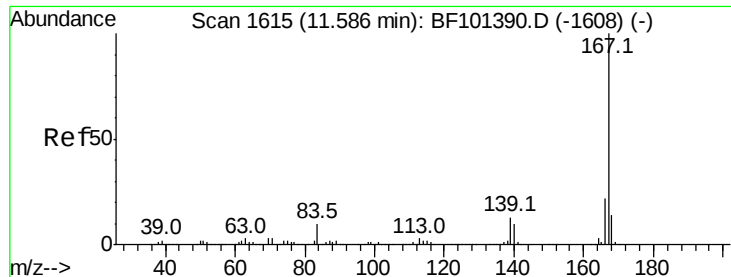


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 16.570 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

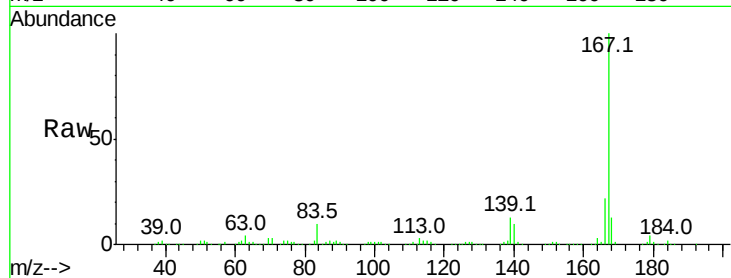
Tot Ion:167 Resp: 402230

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

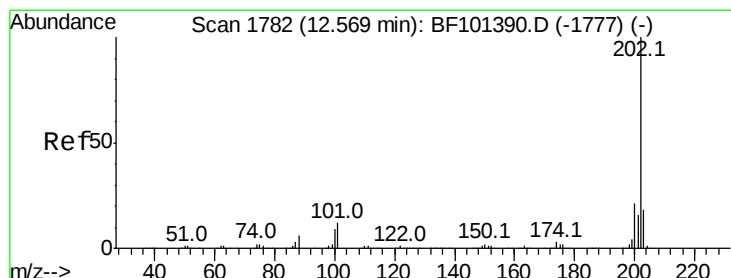
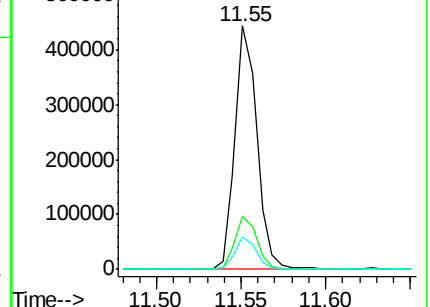
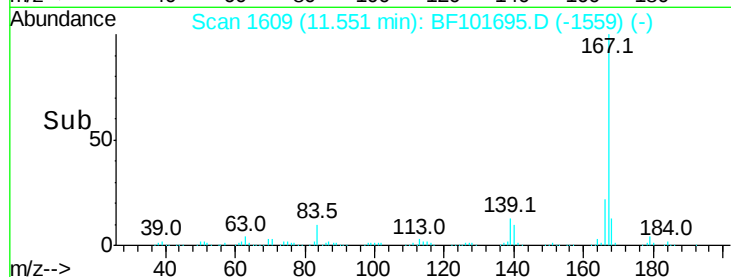
139 13.3 10.9 16.3



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



#74

Fluoranthene

Concen: 2.114 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

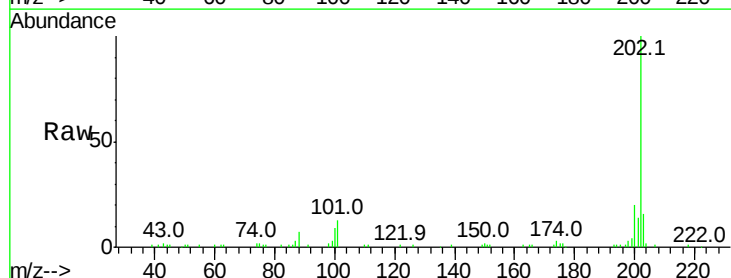
Tgt Ion:202 Resp: 56331

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

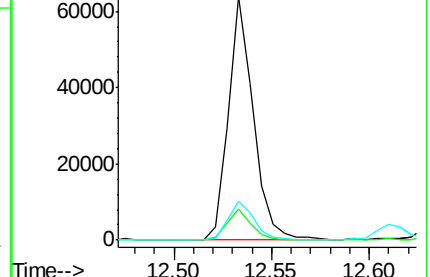
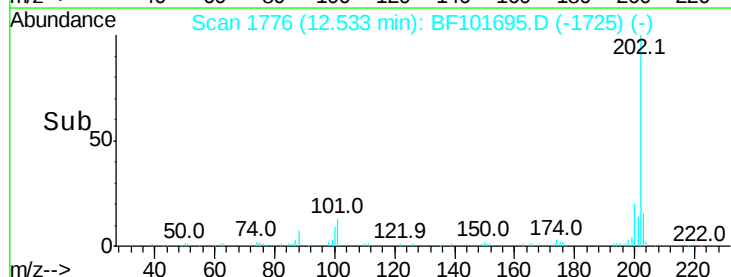
203 15.9 0.0 38.1

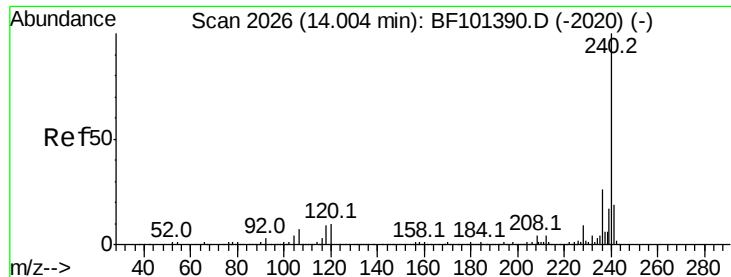


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

Instrument :

BNA\_F

ClientSampleId :

WC-04-01

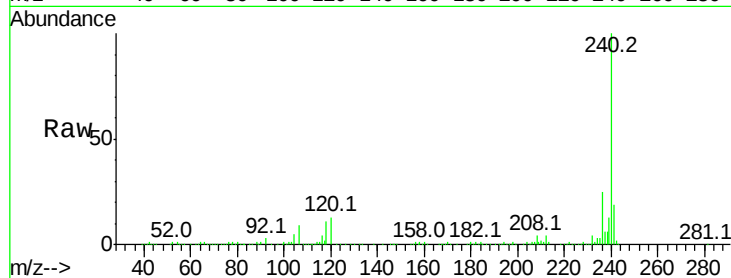
Tot Ion:240 Resp: 311816

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

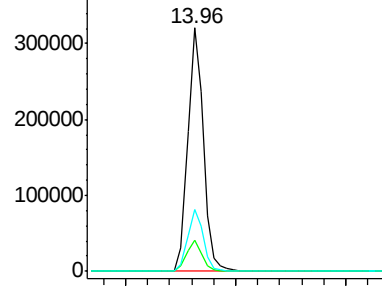
236 25.3 20.7 31.1



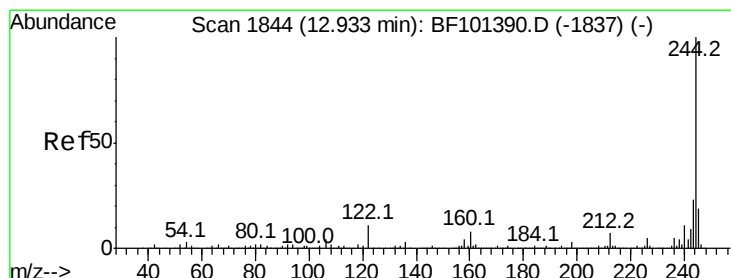
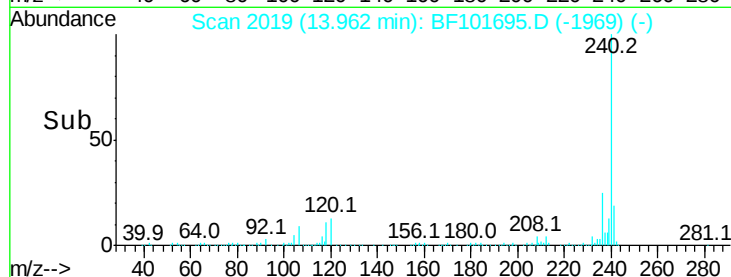
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 105.966 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101695.D

Acq: 23 Dec 2017 11:17

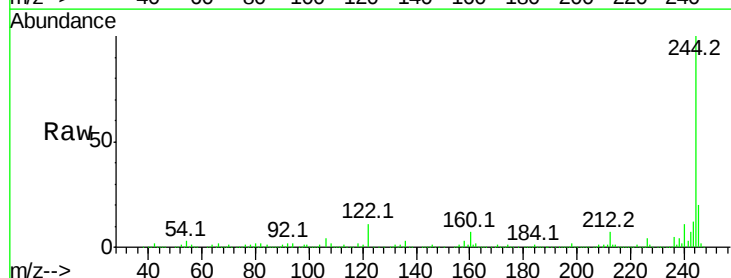
Tgt Ion:244 Resp: 1370589

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

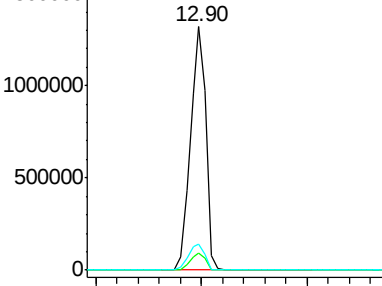
122 10.9 11.0 16.4#



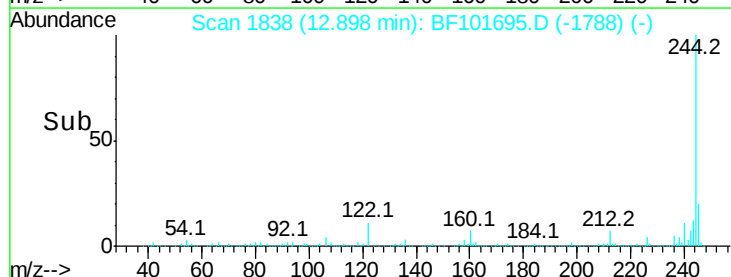
Abundance Ion 244.00 (243.70 to 244.70): E

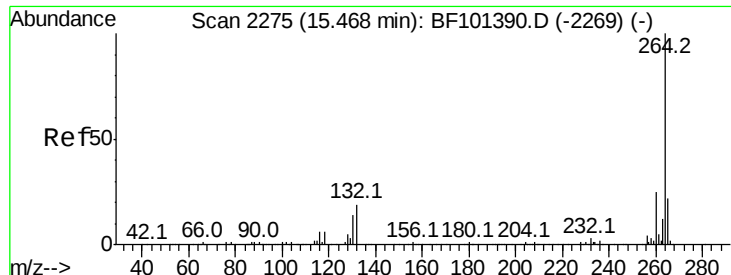
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

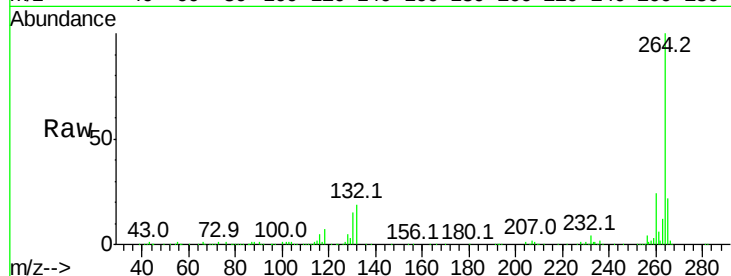




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2268  
 Delta R.T. 0.00 min  
 Lab File: BF101695.D  
 Acq: 23 Dec 2017 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-04-01

Tot Ion: 264 Resp: 282414  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

