

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012518\  
 Data File : BF102420.D  
 Acq On : 25 Jan 2018 12:31  
 Operator : SJ/JU  
 Sample : J1256-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-OF-N-S-(WW0-4)

Quant Time: Jan 25 13:54:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 25 13:44:56 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 128303   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 514781   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 206182   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 269992   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.92 | 240  | 127739   | 20.00 | ng    | 0.04     |
| 86) Perylene-d12          | 15.39 | 264  | 130971   | 20.00 | ng    | 0.09     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.33  | 112 | 813428 | 96.13 | ng | 0.01 |
| 7) Phenol-d6                | 6.36  | 99  | 968384 | 94.93 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 575591 | 64.26 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 145940 | 71.44 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.07  | 172 | 977723 | 69.72 | ng | 0.00 |
| 78) Terphenyl-d14           | 12.84 | 244 | 522904 | 92.28 | ng | 0.01 |

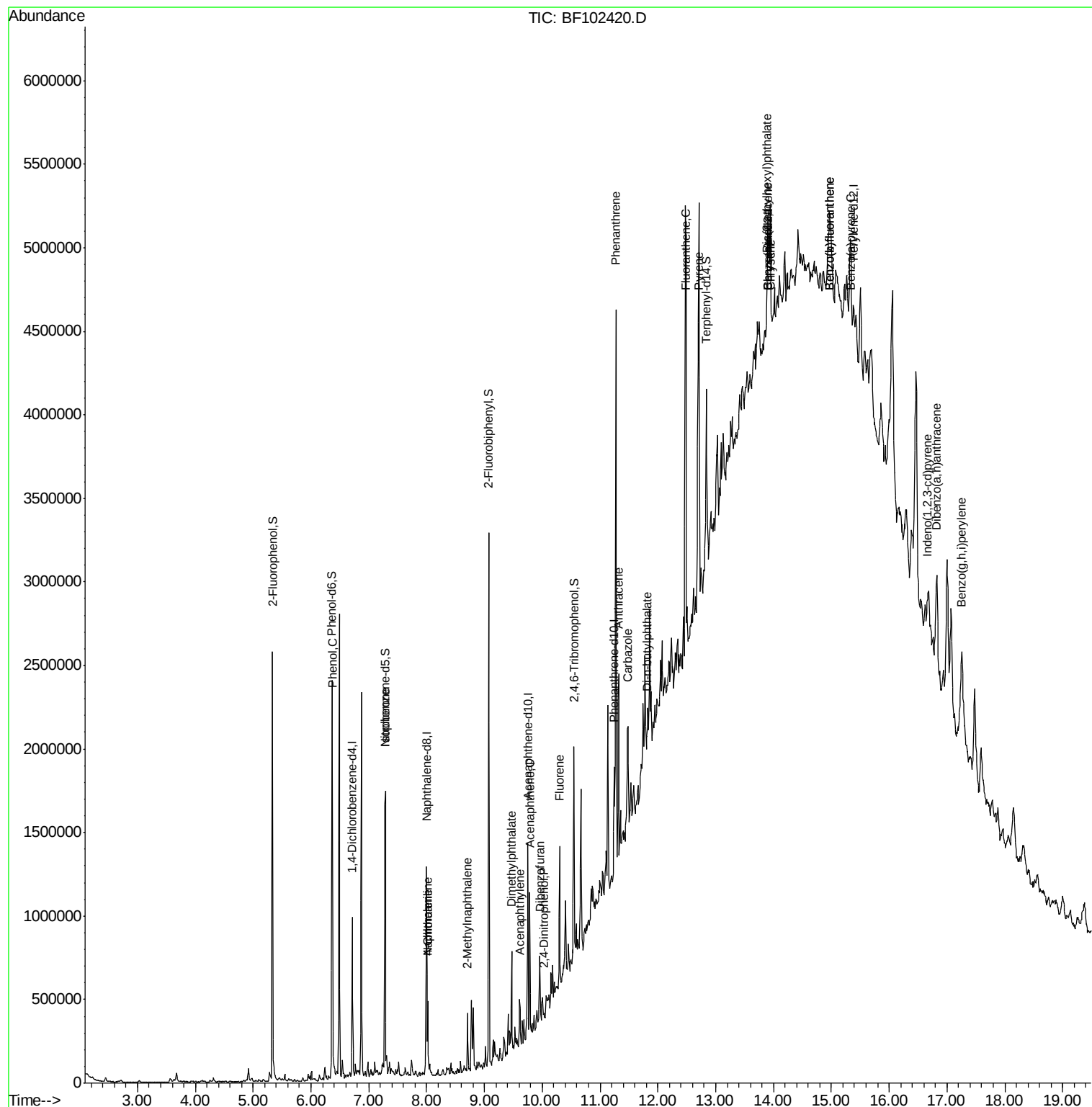
|                                |       |     |         |         |    |      |
|--------------------------------|-------|-----|---------|---------|----|------|
| Target Compounds               |       |     |         | Qvalue  |    |      |
| 10) Phenol                     | 6.37  | 94  | 56195   | 5.046   | ng | 91   |
| 25) Isophorone                 | 7.29  | 82  | 573638  | 35.920  | ng | # 64 |
| 31) Naphthalene                | 8.02  | 128 | 192633  | 7.495   | ng | 99   |
| 33) 4-Chloroaniline            | 8.02  | 127 | 26065   | 2.412   | ng | # 44 |
| 37) 2-Methylnaphthalene        | 8.71  | 142 | 87215   | 5.095   | ng | 99   |
| 48) Acenaphthylene             | 9.61  | 152 | 63650   | 2.851   | ng | 96   |
| 49) Dimethylphthalate          | 9.47  | 163 | 167110  | 9.806   | ng | 100  |
| 51) Acenaphthene               | 9.79  | 154 | 177712  | 13.630  | ng | 97   |
| 53) 2,4-Dinitrophenol          | 10.03 | 184 | 444     | 3.953   | ng | # 69 |
| 54) Dibenzofuran               | 9.96  | 168 | 129158  | 7.319   | ng | 97   |
| 57) Fluorene                   | 10.30 | 166 | 212656  | 15.208  | ng | 98   |
| 70) Phenanthrene               | 11.27 | 178 | 1554475 | 98.803  | ng | 100  |
| 71) Anthracene                 | 11.32 | 178 | 477003  | 29.704  | ng | 100  |
| 72) Carbazole                  | 11.47 | 167 | 242810  | 15.499  | ng | 97   |
| 73) Di-n-butylphthalate        | 11.80 | 149 | 90503   | 4.622   | ng | # 91 |
| 74) Fluoranthene               | 12.48 | 202 | 1959515 | 122.135 | ng | 98   |
| 77) Pyrene                     | 12.71 | 202 | 1799532 | 182.207 | ng | 99   |
| 80) Benzo(a)anthracene         | 13.90 | 228 | 810979  | 103.119 | ng | 97   |
| 82) Chrysene                   | 13.94 | 228 | 704624  | 88.229  | ng | 97   |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 51788   | 7.840   | ng | # 92 |
| 85) Indeno(1,2,3-cd)pyrene     | 16.66 | 276 | 125175  | 18.979  | ng | # 74 |
| 87) Benzo(b)fluoranthene       | 14.97 | 252 | 1193571 | 140.604 | ng | # 86 |
| 88) Benzo(k)fluoranthene       | 14.97 | 252 | 1193571 | 148.822 | ng | # 89 |
| 89) Benzo(a)pyrene             | 15.34 | 252 | 641994  | 83.855  | ng | # 87 |
| 90) Dibenzo(a,h)anthracene     | 16.82 | 278 | 137563  | 22.181  | ng | # 78 |
| 91) Benzo(g,h,i)perylene       | 17.26 | 276 | 607746  | 99.247  | ng | 96   |

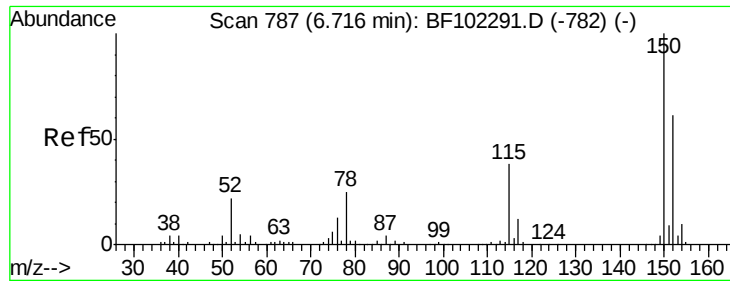
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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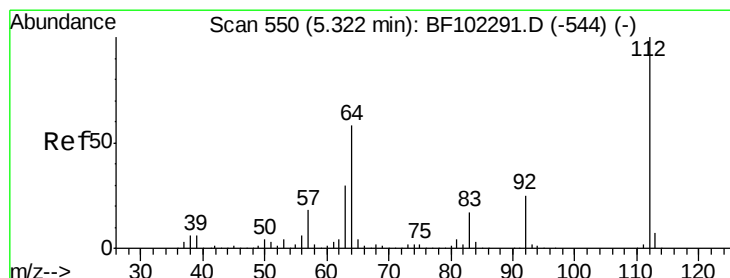
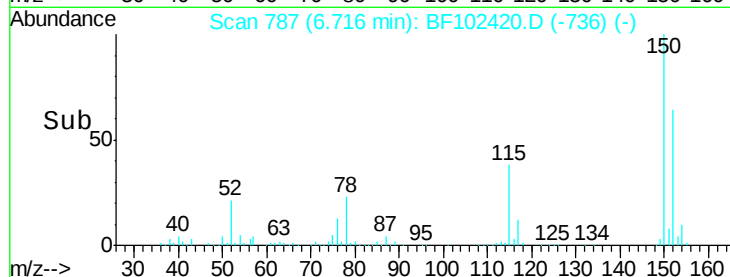
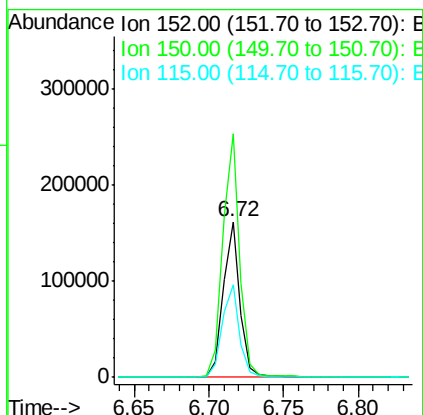
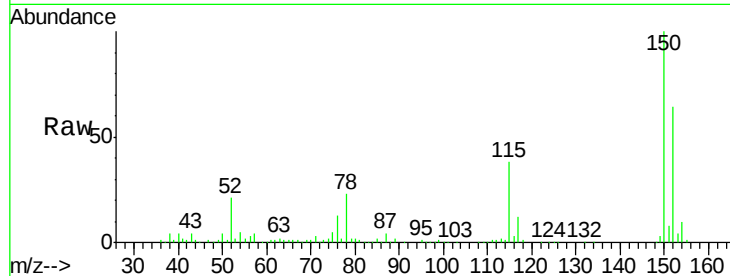


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
DB-OF-N-S-(WW0-4)

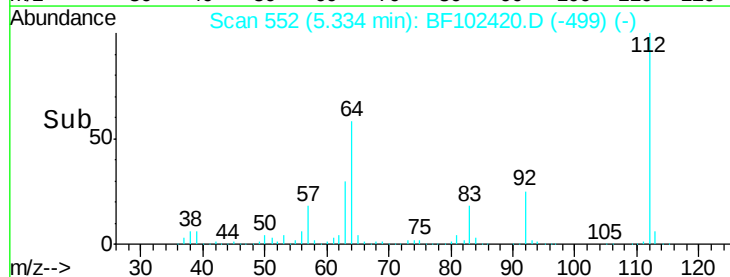
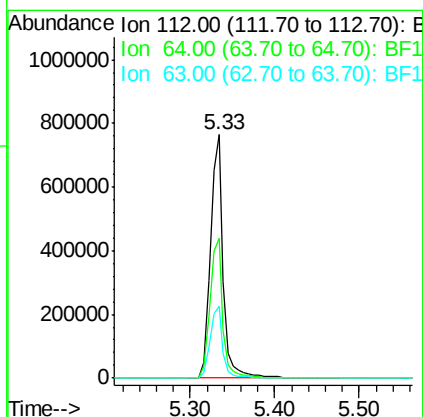
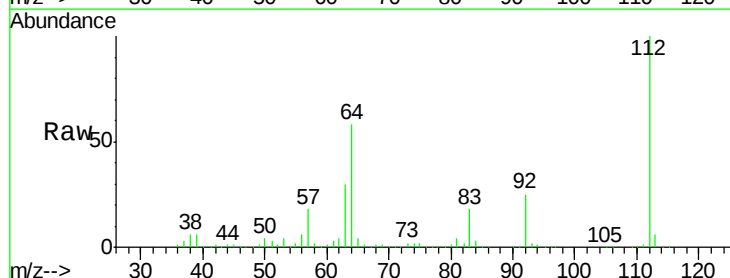
Tgt Ion:152 Resp: 128303  
Ion Ratio Lower Upper  
152 100  
150 156.4 124.6 186.8  
115 59.8 50.1 75.1

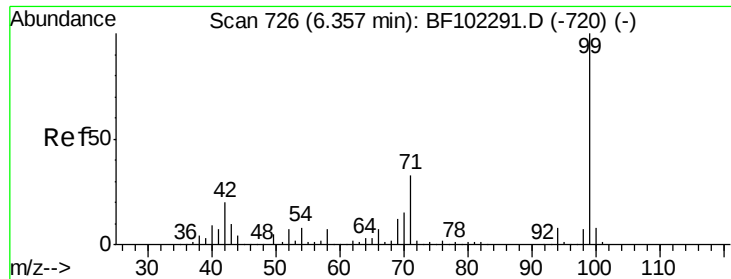


#5

2-Fluorophenol  
Concen: 96.129 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Tgt Ion:112 Resp: 813428  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.9 71.9  
63 29.6 23.7 35.5





#7

Phenol-d6

Concen: 94.926 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

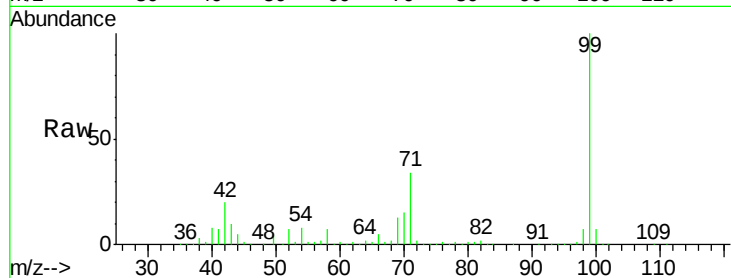
Tgt Ion: 99 Resp: 968384

Ion Ratio Lower Upper

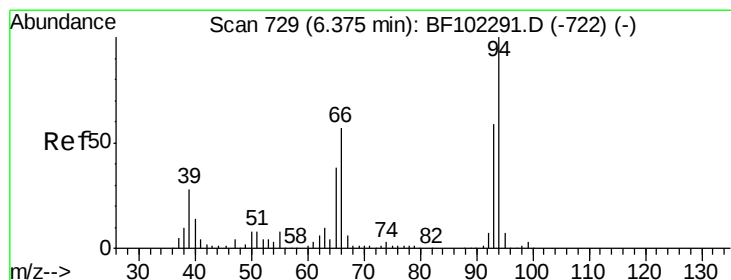
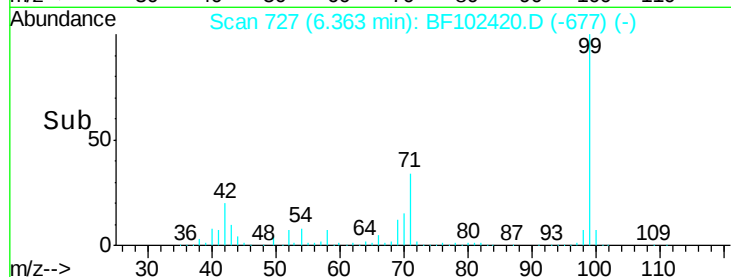
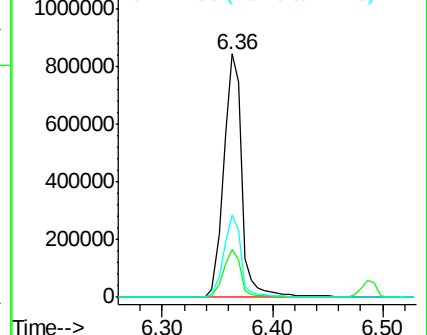
99 100

42 19.6 14.5 21.7

71 33.7 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



#10

Phenol

Concen: 5.046 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

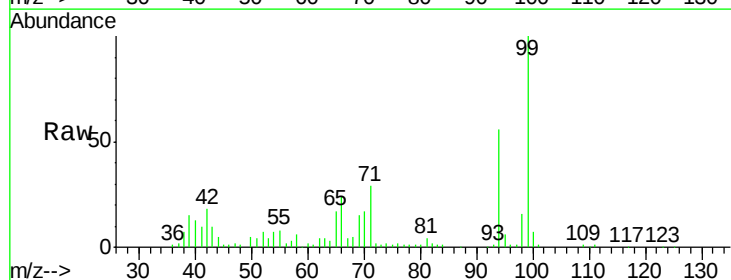
Tgt Ion: 94 Resp: 56195

Ion Ratio Lower Upper

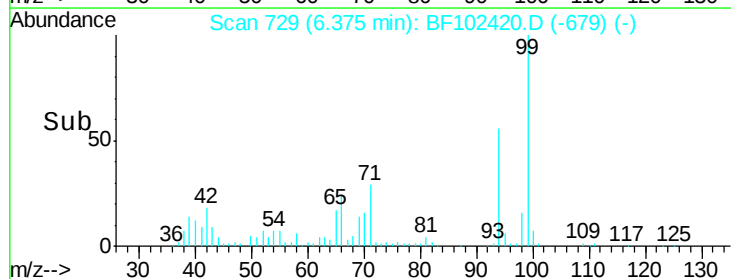
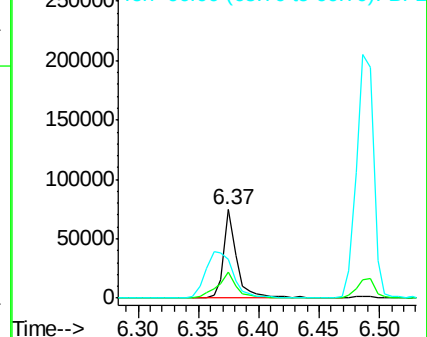
94 100

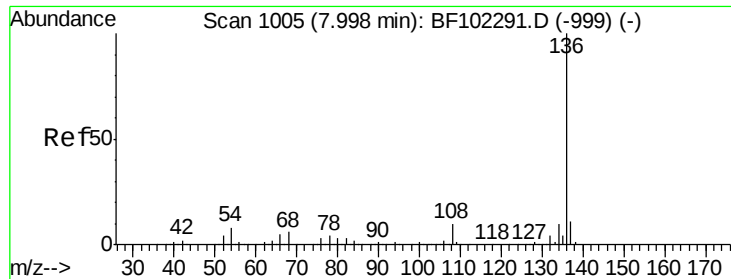
65 30.1 7.9 47.9

66 43.7 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

Tgt Ion:136 Resp: 514781

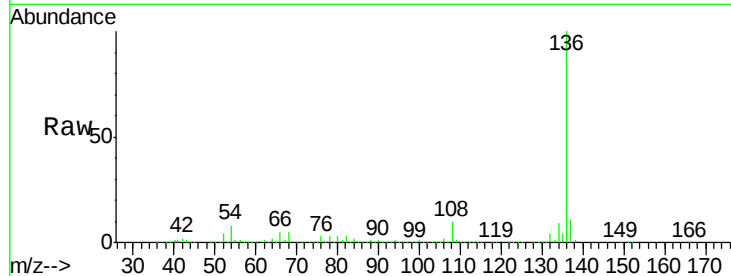
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.0 6.6 9.8

68 5.0 5.0 7.4

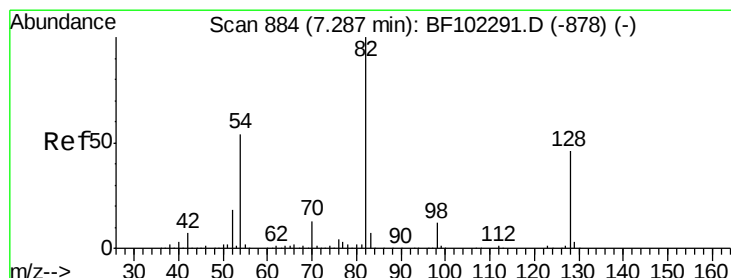
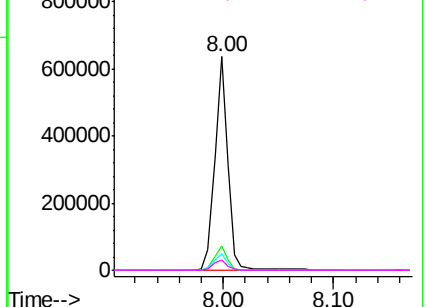
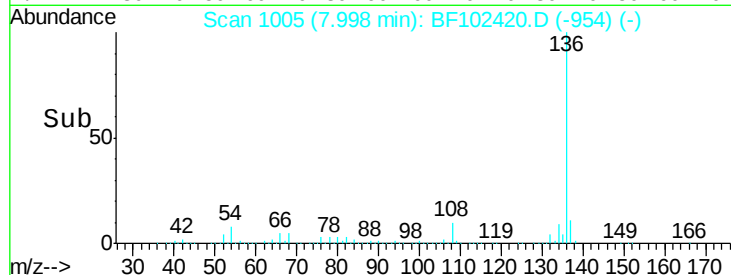


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 64.255 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

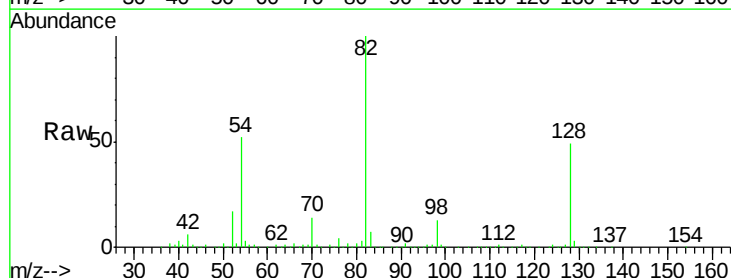
Tgt Ion: 82 Resp: 575591

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

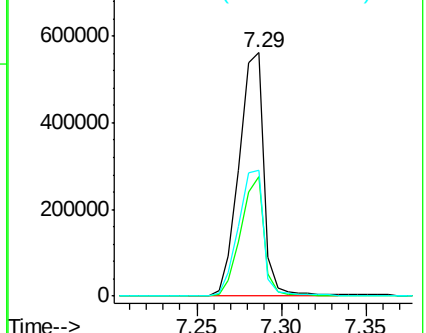
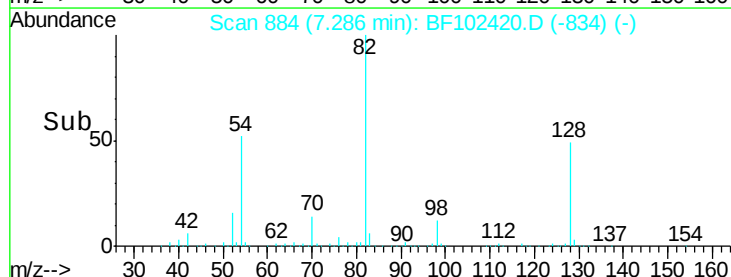
54 51.9 41.4 62.2

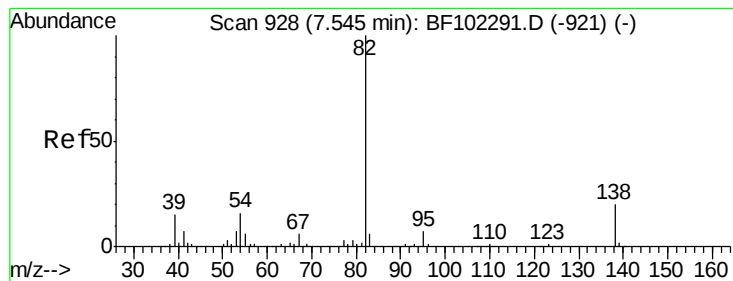


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.920 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

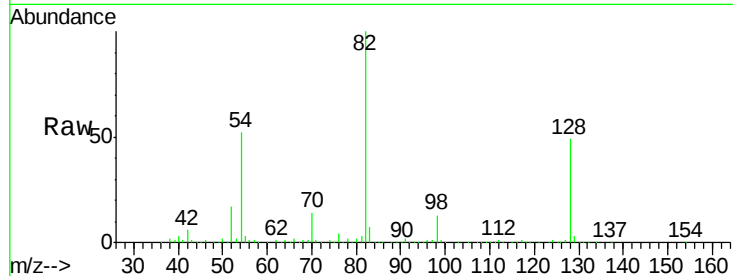
Tgt Ion: 82 Resp: 573638

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

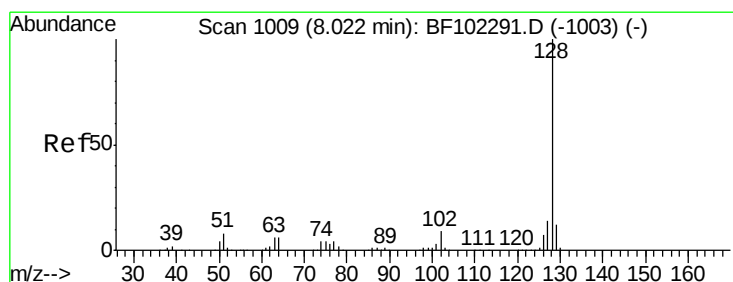
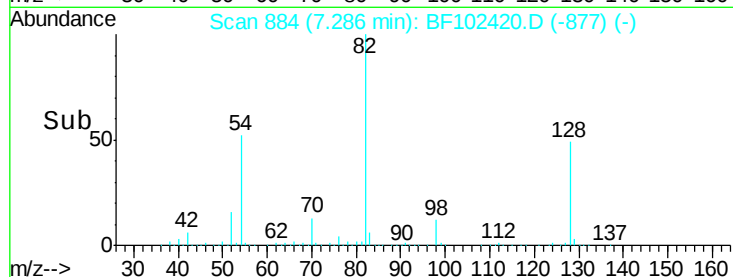
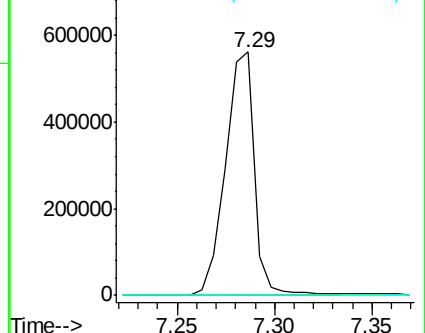
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 7.495 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

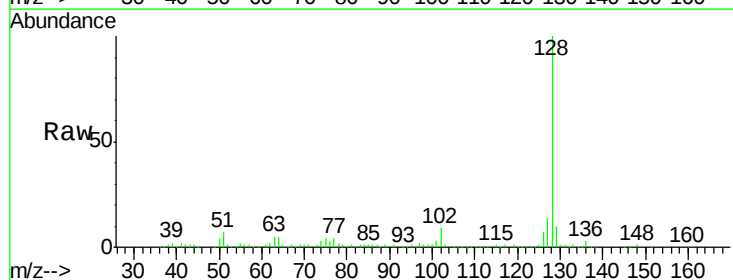
Tgt Ion: 128 Resp: 192633

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

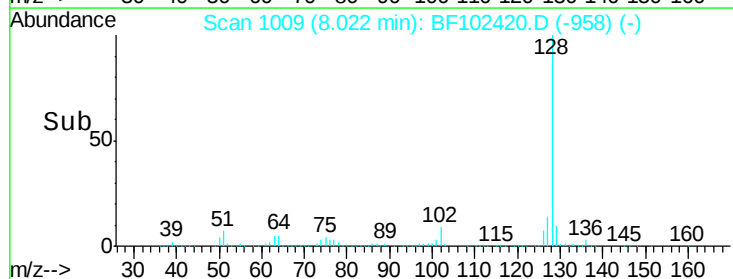
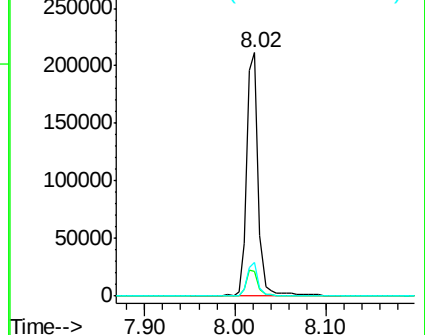
127 14.0 10.9 16.3

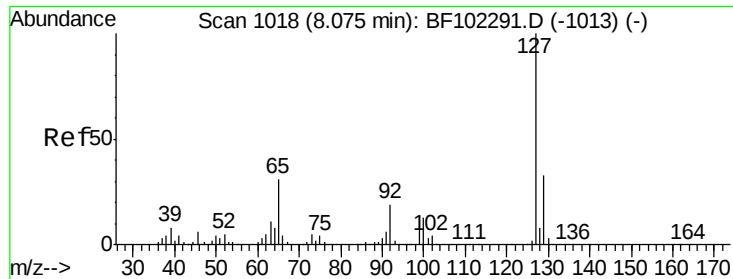


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

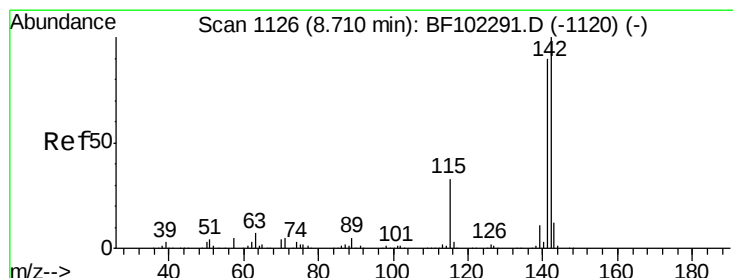
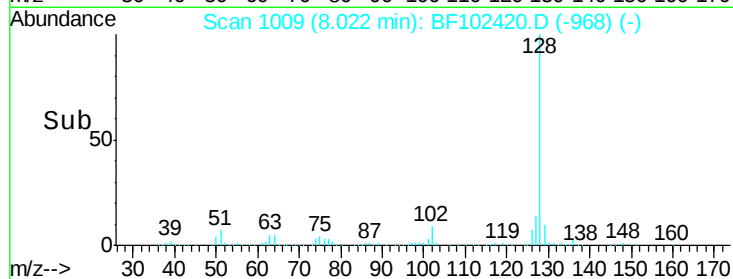
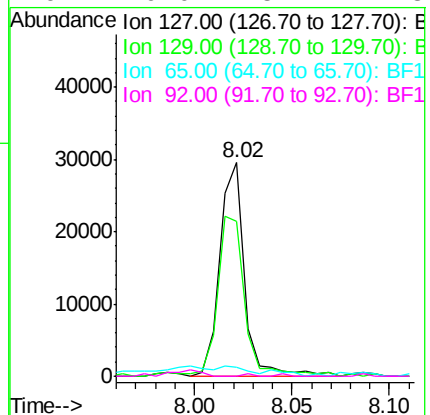
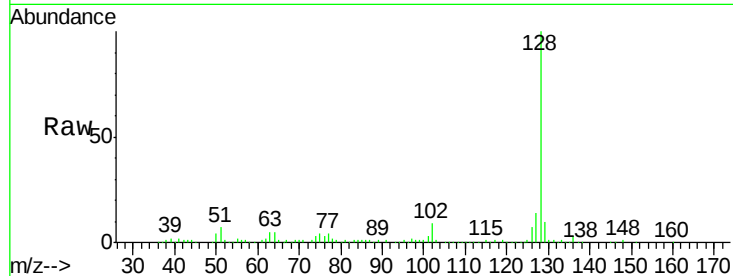




#33  
4-Chloroaniline  
Concen: 2.412 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.06 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

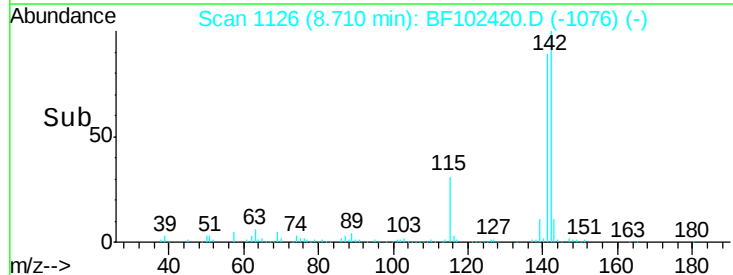
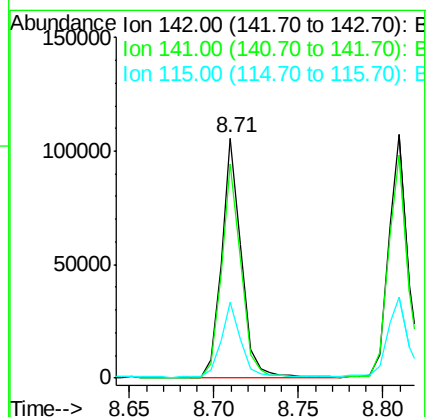
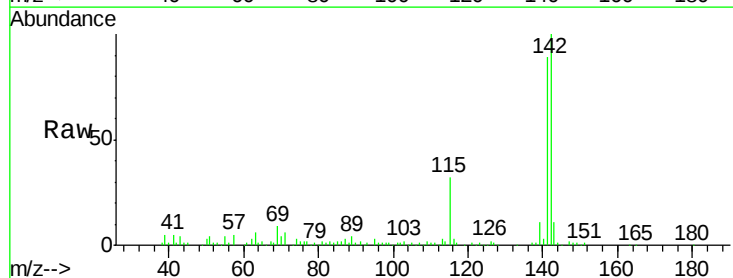
Instrument :  
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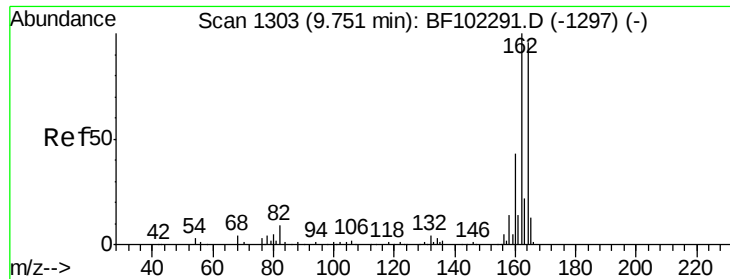
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|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 26065 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 72.8  | 25.9  | 38.9# |
| 65       | 4.2   | 25.0  | 37.4# |
| 92       | 0.0   | 15.2  | 22.8# |



#37  
2-Methylnaphthalene  
Concen: 5.095 ng  
RT: 8.71 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 87215 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 89.1  | 70.8  | 106.2 |
| 115      | 31.8  | 26.1  | 39.1  |

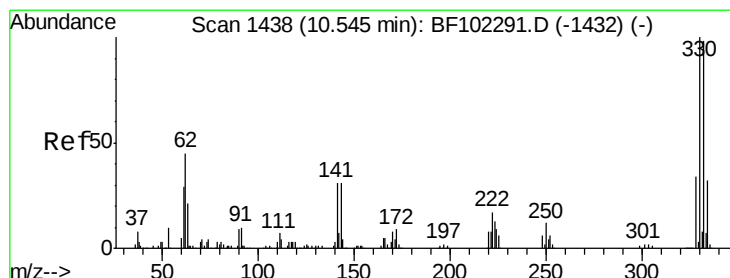
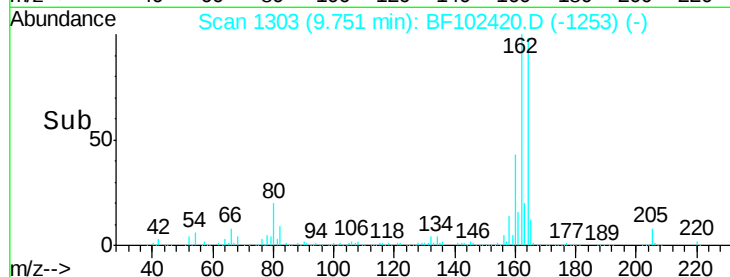
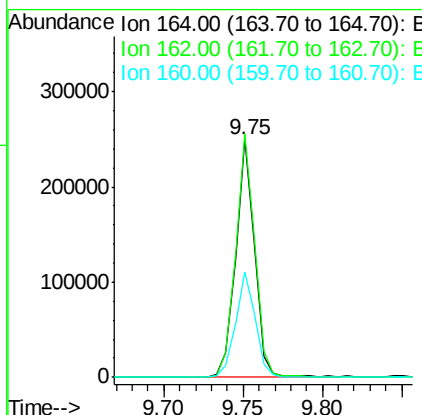
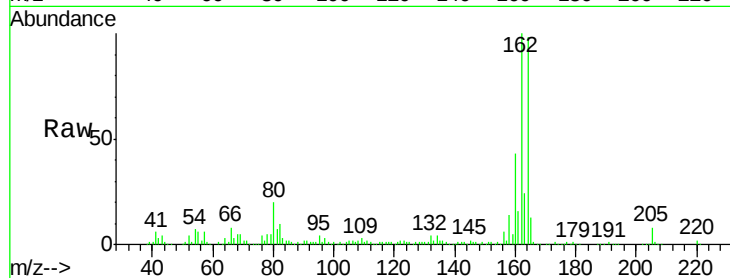




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

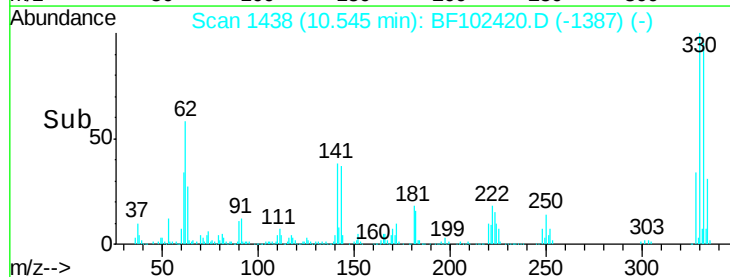
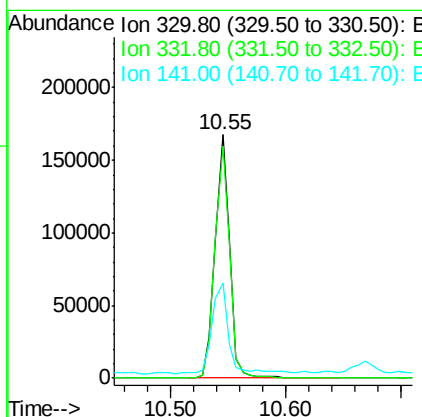
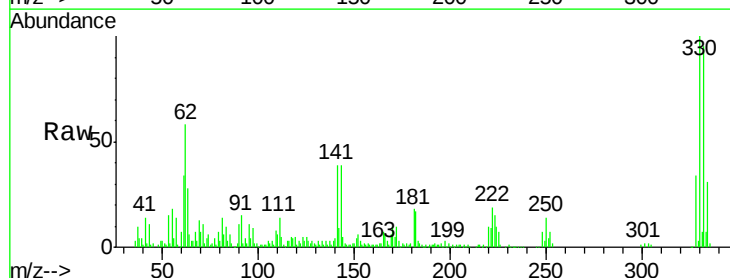
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-OF-N-S-(WW0-4)

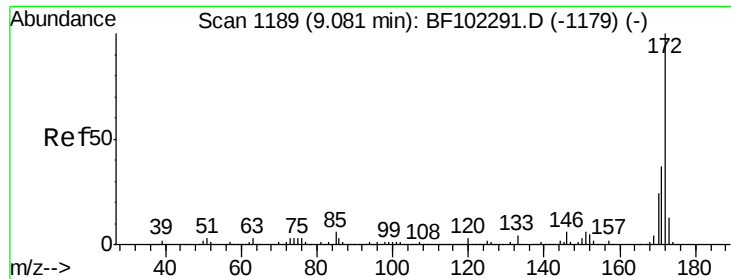
Tgt Ion:164 Resp: 206182  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 86.1 129.1  
 160 44.3 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 71.435 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

Tgt Ion:330 Resp: 145940  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.0 115.6  
 141 39.3 29.9 44.9

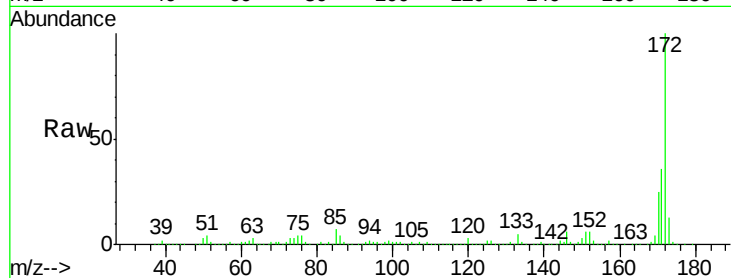




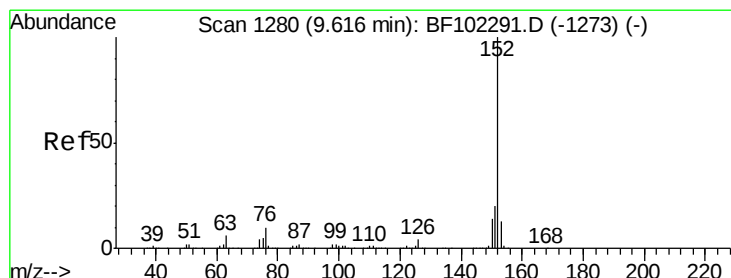
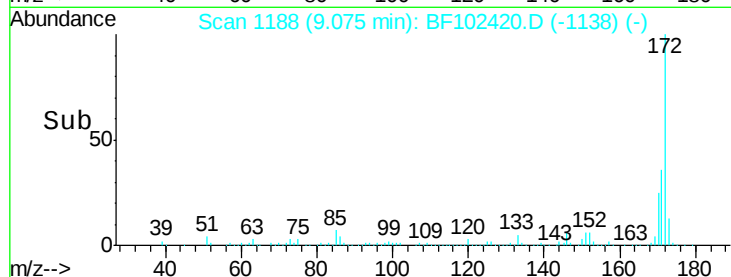
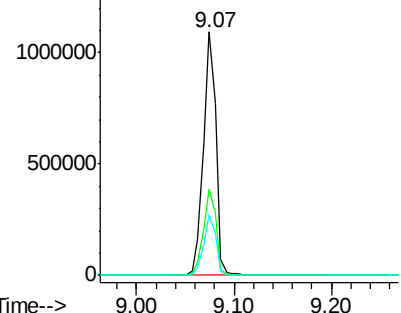
#44  
2-Fluorobiphenyl  
Concen: 69.725 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :  
DB-OF-N-S-(WW0-4)

Tgt Ion:172 Resp: 977723  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.7 44.5  
170 24.6 19.6 29.4

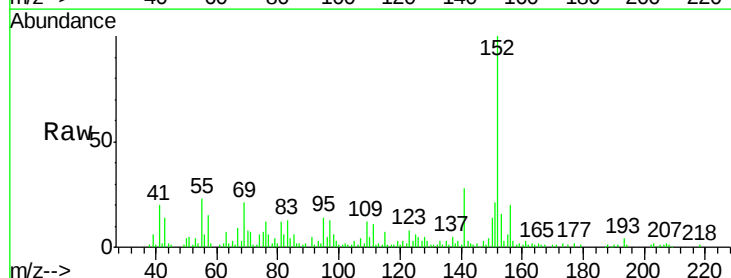


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

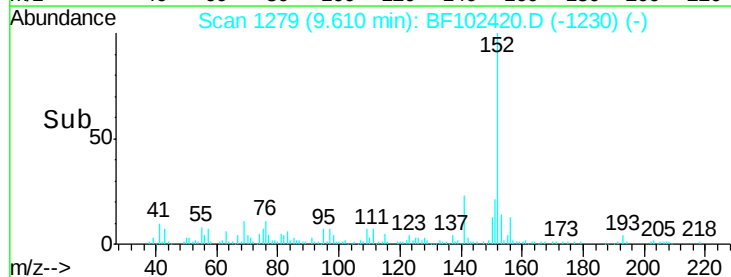
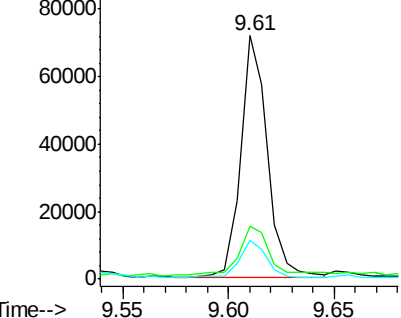


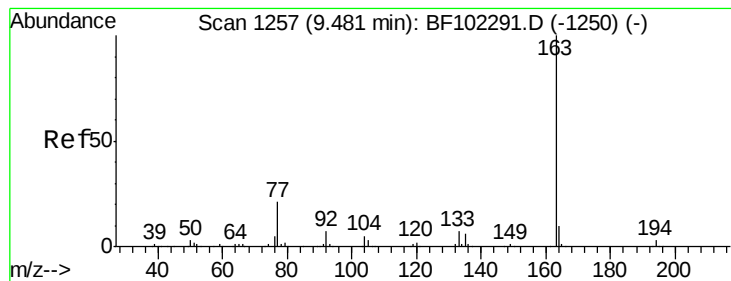
#48  
Acenaphthylene  
Concen: 2.851 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Tgt Ion:152 Resp: 63650  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.3 24.5  
153 15.7 10.7 16.1



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: 9.806 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

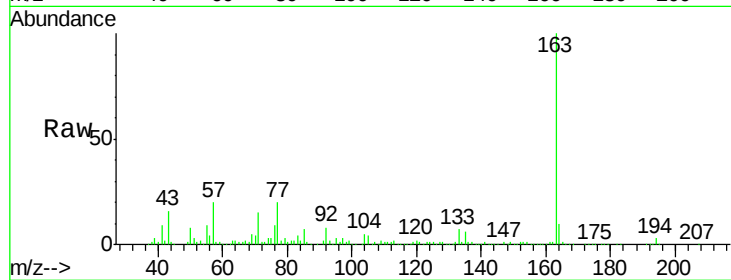
Tgt Ion:163 Resp: 167110

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

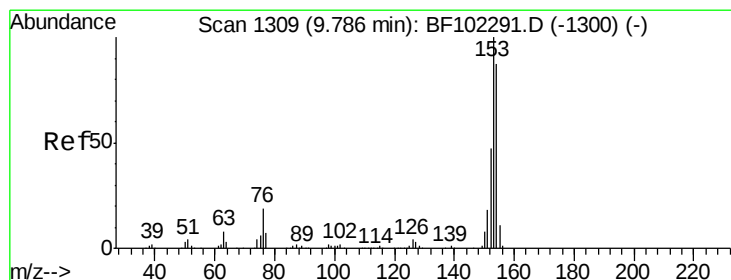
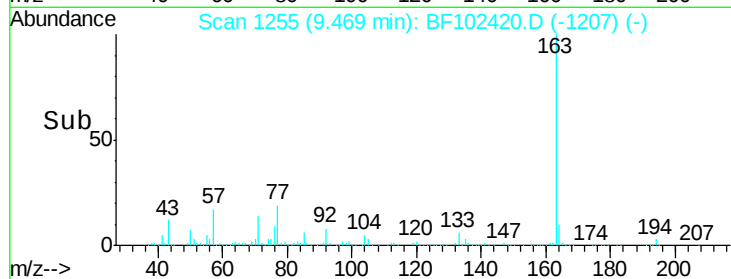
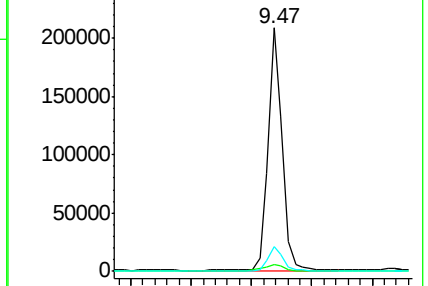
164 10.2 8.2 12.2



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



#51

Acenaphthene

Concen: 13.630 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

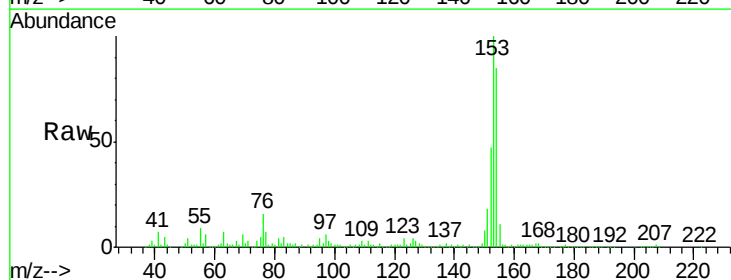
Tgt Ion:154 Resp: 177712

Ion Ratio Lower Upper

154 100

153 118.2 91.2 136.8

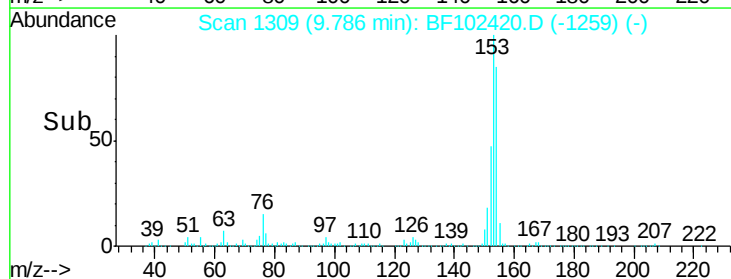
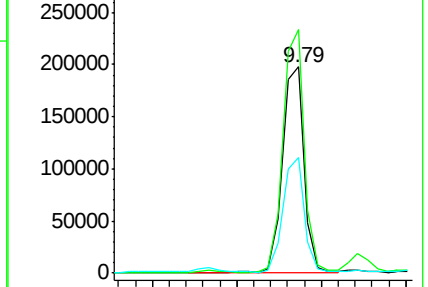
152 55.9 43.8 65.8

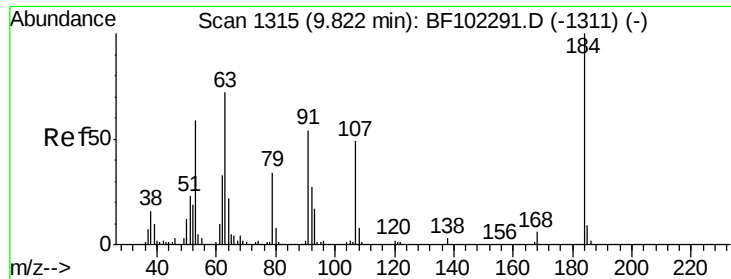


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

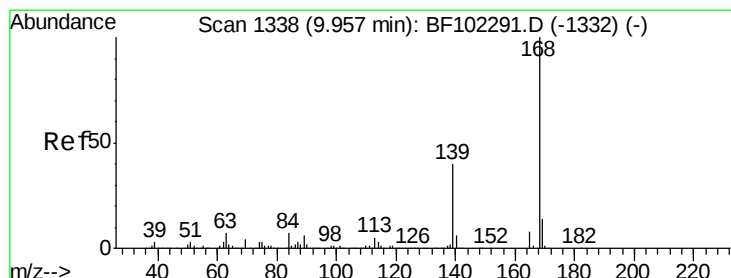
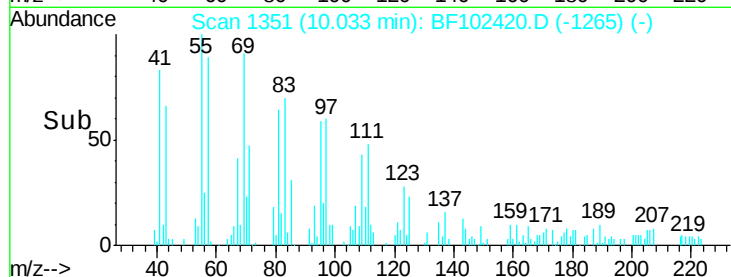
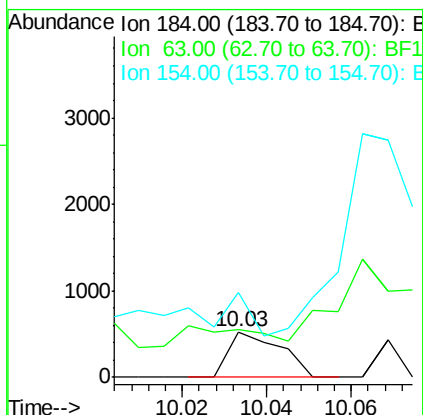
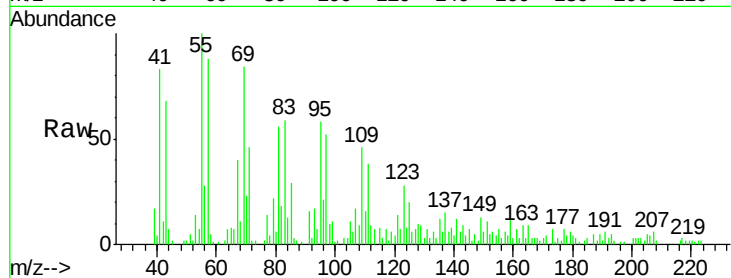




#53  
2,4-Dinitrophenol  
Concen: 3.953 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.21 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

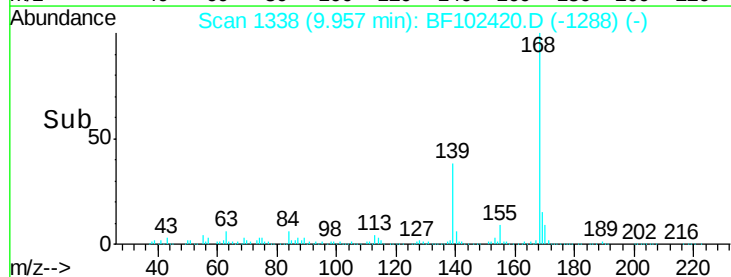
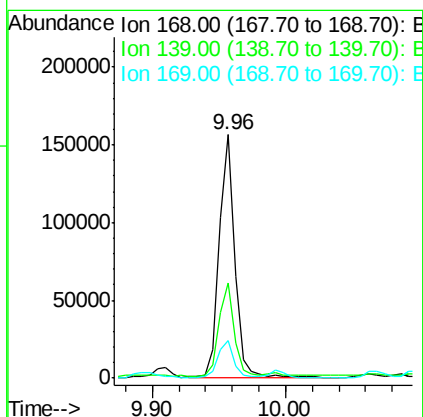
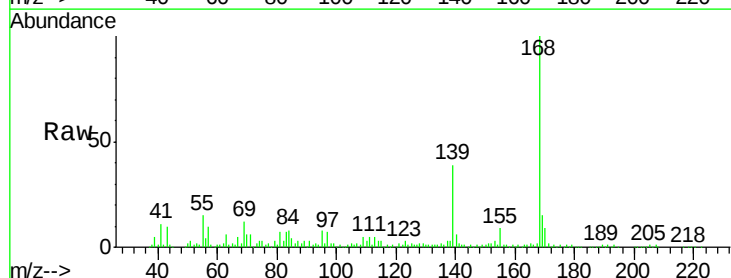
Instrument :  
BNA\_F  
ClientSampleId :  
DB-OF-N-S-(WW0-4)

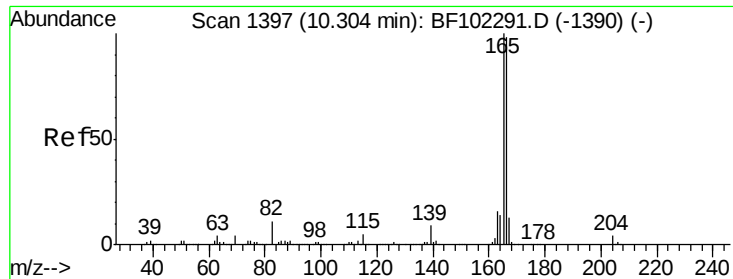
Tgt Ion:184 Resp: 444  
Ion Ratio Lower Upper  
184 100  
63 106.5 54.2 81.2#  
154 187.8 184.0 276.0



#54  
Dibenzofuran  
Concen: 7.319 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Tgt Ion:168 Resp: 129158  
Ion Ratio Lower Upper  
168 100  
139 38.9 30.1 45.1  
169 15.2 10.9 16.3

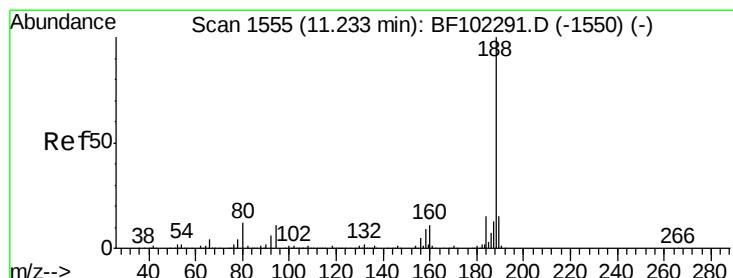
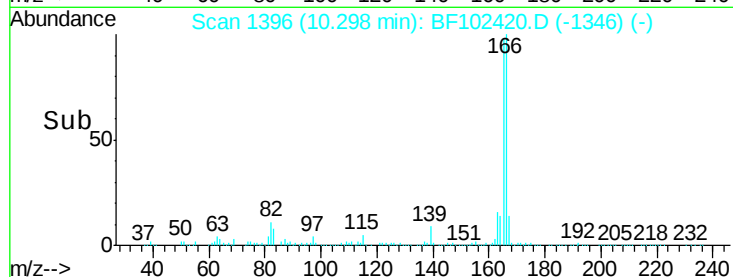
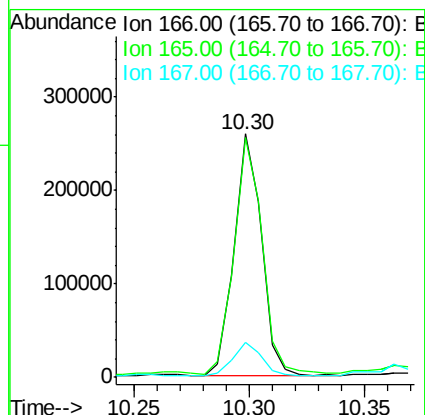
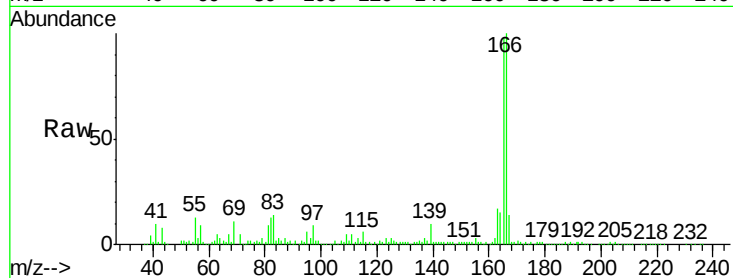




#57  
**Fluorene**  
 Concen: 15.208 ng  
 RT: 10.30 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

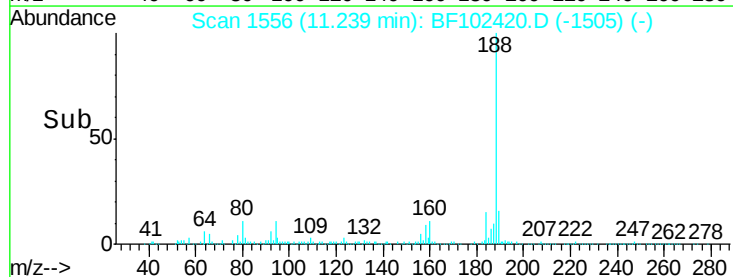
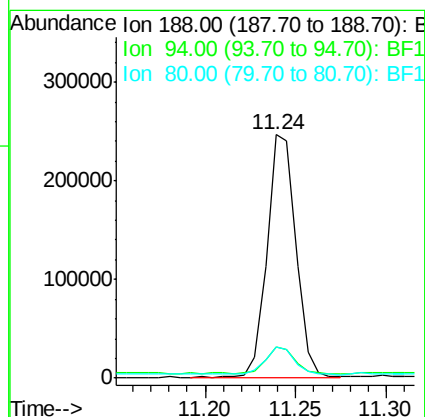
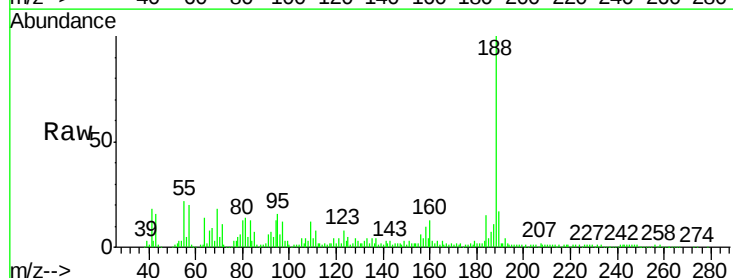
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-OF-N-S-(WW0-4)

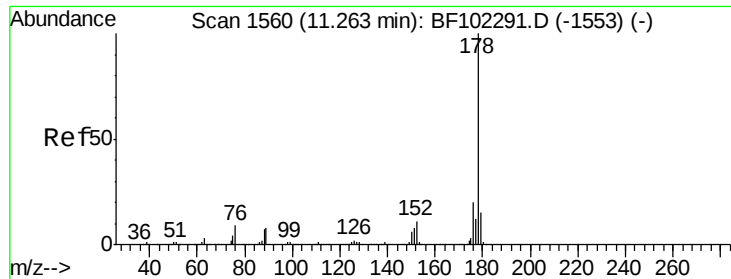
Tgt Ion:166 Resp: 212656  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 79.8 119.8  
 167 14.2 10.6 16.0



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. 0.00 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

Tgt Ion:188 Resp: 269992  
 Ion Ratio Lower Upper  
 188 100  
 94 12.8 8.5 12.7#  
 80 12.9 9.2 13.8





#70

Phenanthrene

Concen: 98.803 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

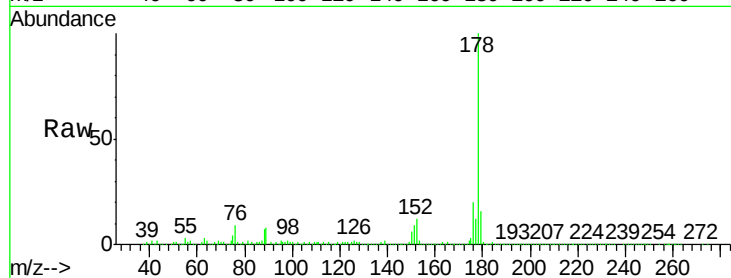
Tgt Ion:178 Resp: 1554475

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

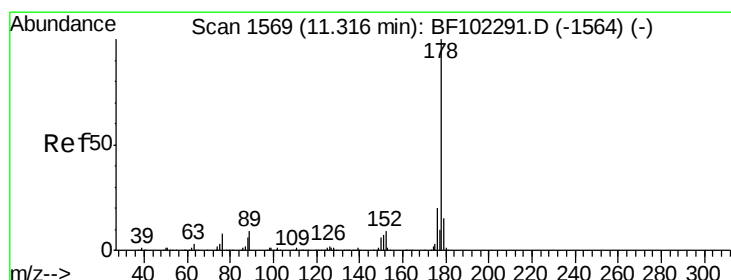
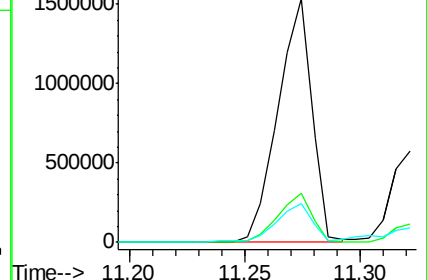
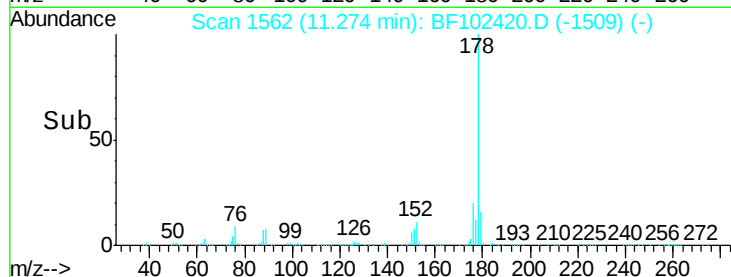
179 16.1 13.0 19.6



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: 29.704 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

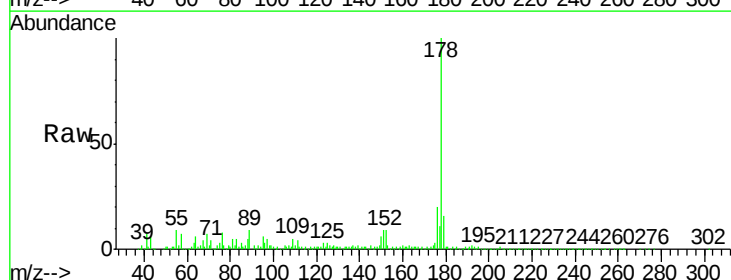
Tgt Ion:178 Resp: 477003

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

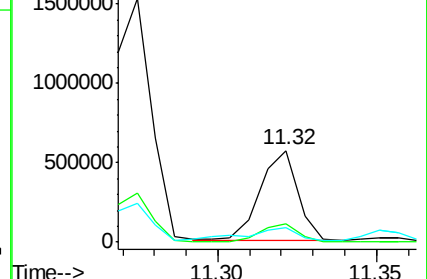
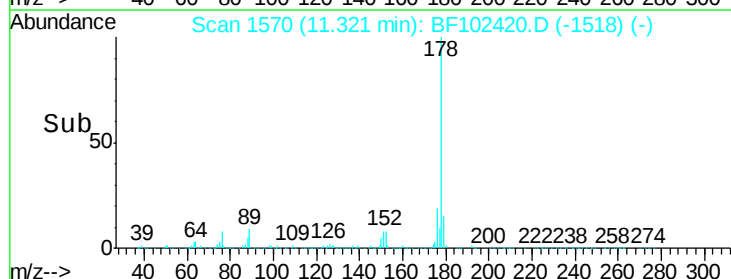
179 15.8 12.6 19.0

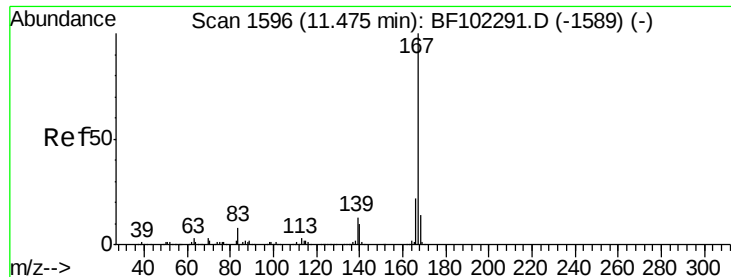


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 15.499 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

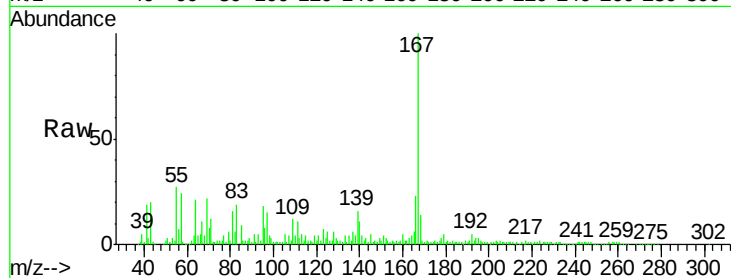
Tgt Ion:167 Resp: 242810

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

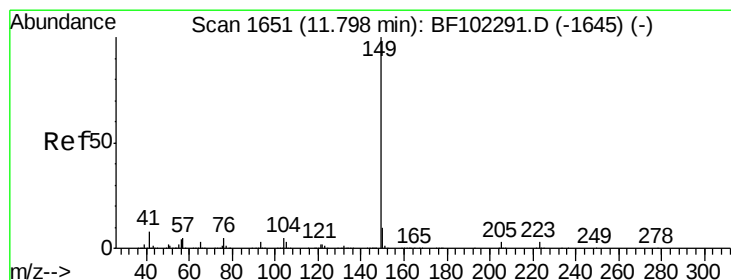
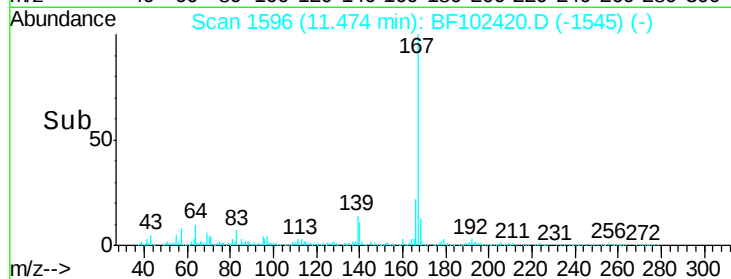
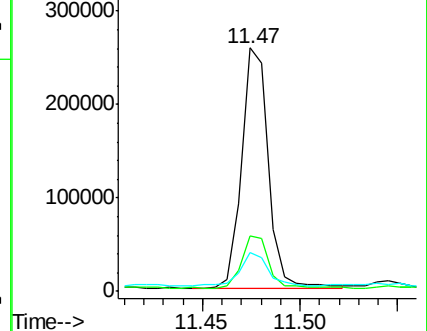
139 15.8 10.9 16.3



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



#73

Di-n-butylphthalate

Concen: 4.622 ng

RT: 11.80 min Scan# 1652

Delta R.T. 0.01 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

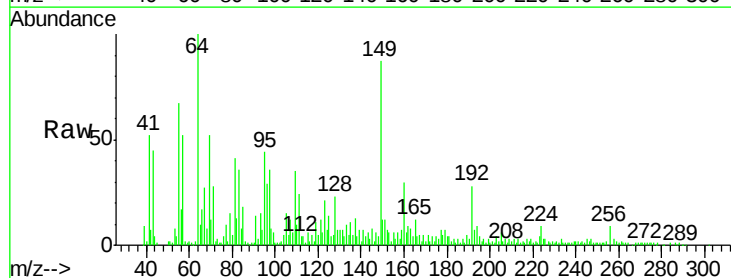
Tgt Ion:149 Resp: 90503

Ion Ratio Lower Upper

149 100

150 14.0 7.8 11.6#

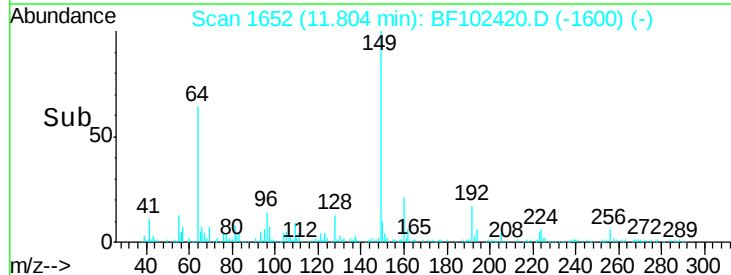
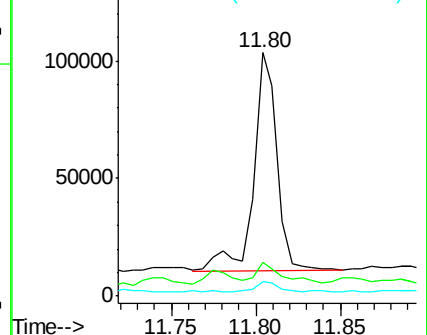
104 6.0 3.8 5.8#

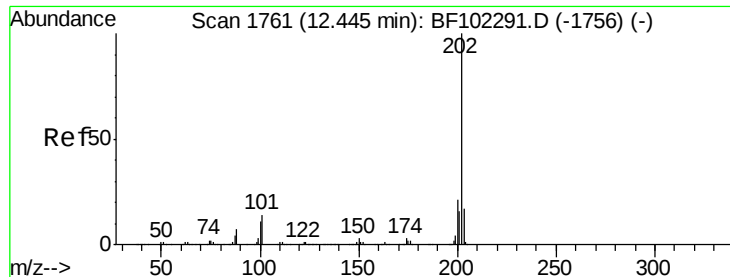


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 122.135 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.03 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

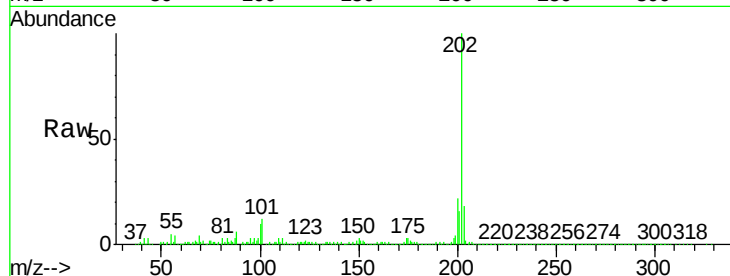
Tgt Ion:202 Resp: 1959515

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

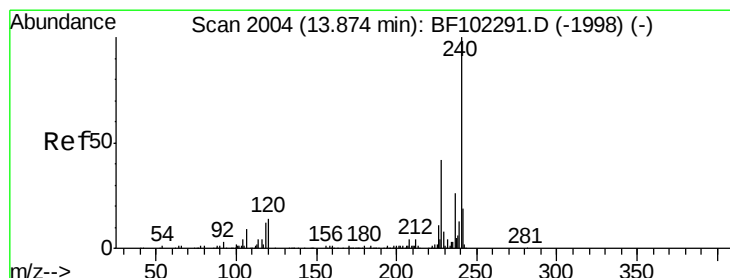
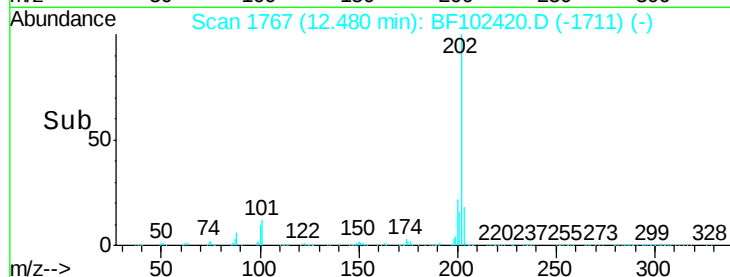
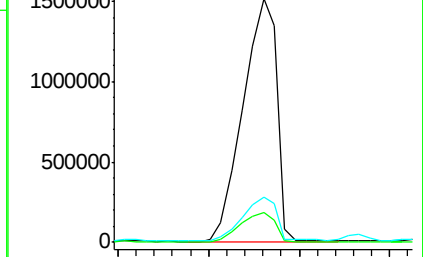
203 18.5 0.0 38.1



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: 13.92 min Scan# 2011

Delta R.T. 0.04 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

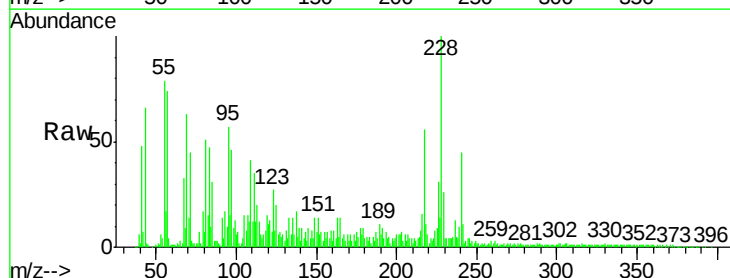
Tgt Ion:240 Resp: 127739

Ion Ratio Lower Upper

240 100

120 24.5 9.5 14.3#

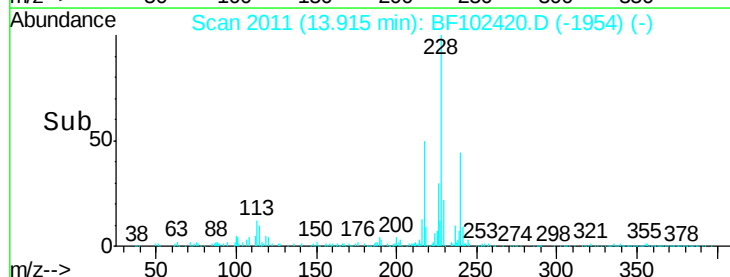
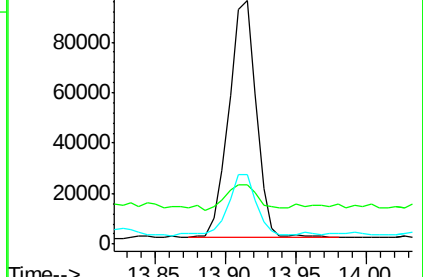
236 28.7 20.7 31.1

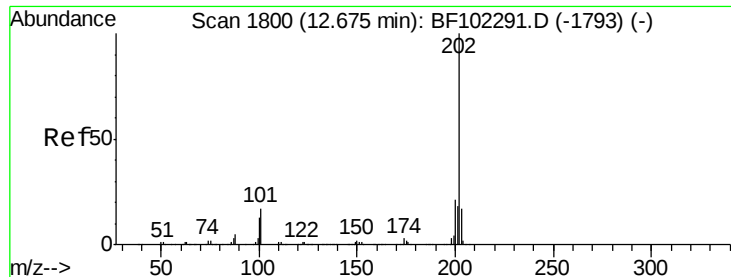


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



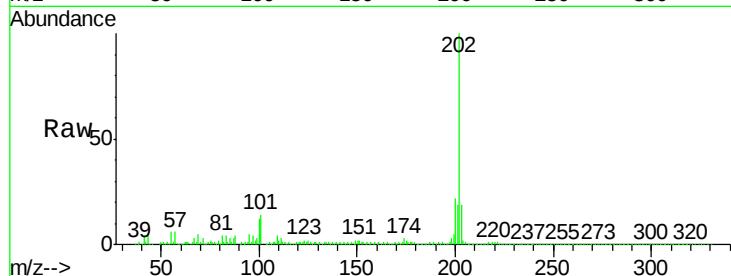


#77  
 Pyrene  
 Concen: 182.207 ng  
 RT: 12.71 min Scan# 1806  
 Delta R.T. 0.03 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

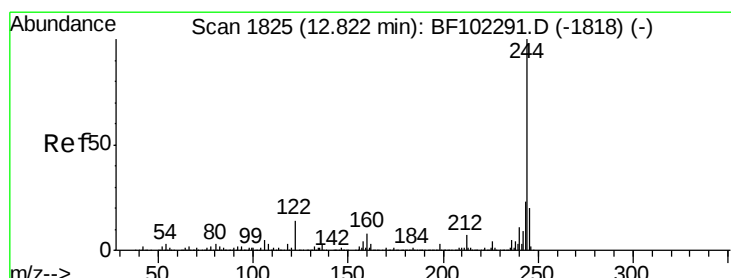
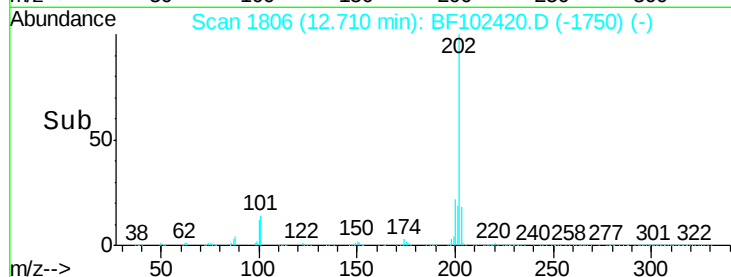
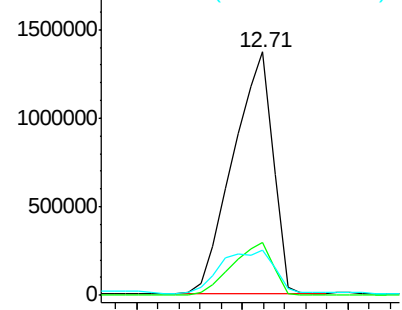
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-OF-N-S-(WW0-4)

Tgt Ion: 202 Resp: 1799532

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.0  | 17.4  | 26.2  |
| 203 | 18.6  | 14.3  | 21.5  |



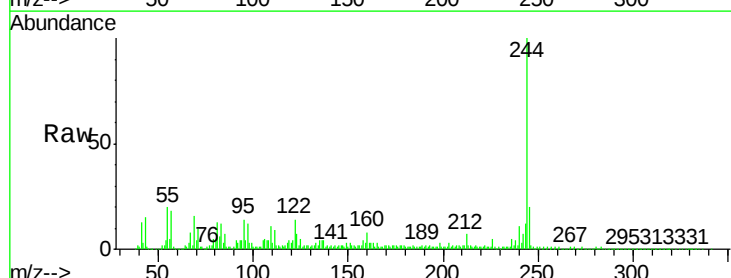
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E



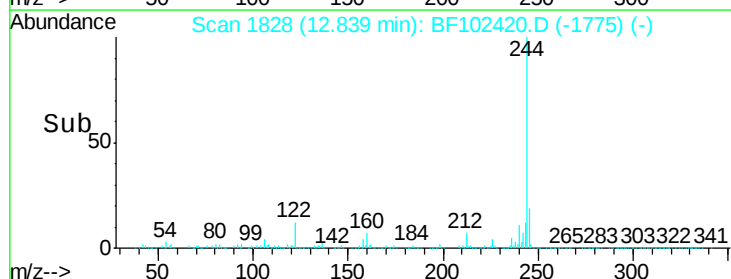
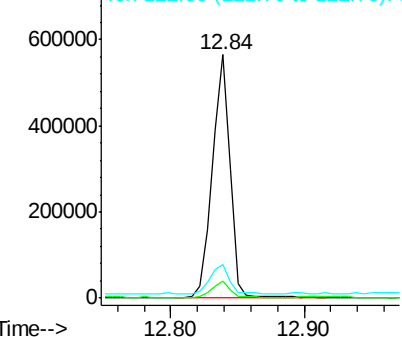
#78  
 Terphenyl-d14  
 Concen: 92.283 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

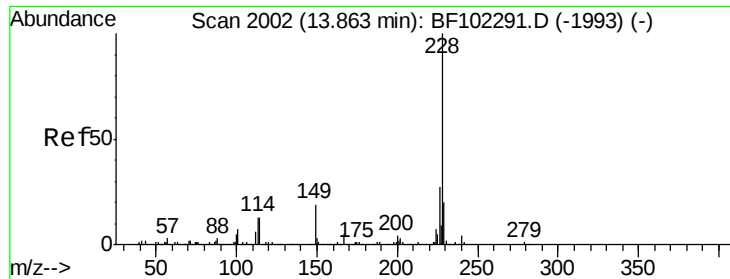
Tgt Ion: 244 Resp: 522904

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 5.4   | 8.0   |
| 122 | 13.8  | 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





#80

Benzo(a)anthracene

Concen: 103.119 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.04 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

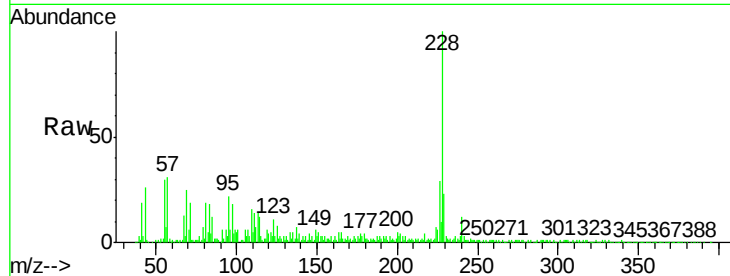
Tgt Ion:228 Resp: 810979

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

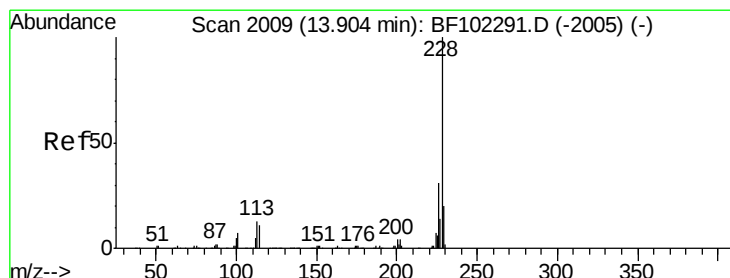
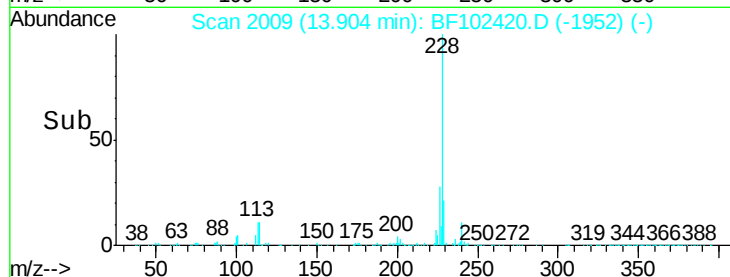
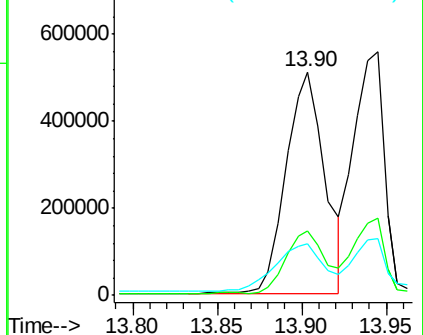
229 22.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 88.229 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

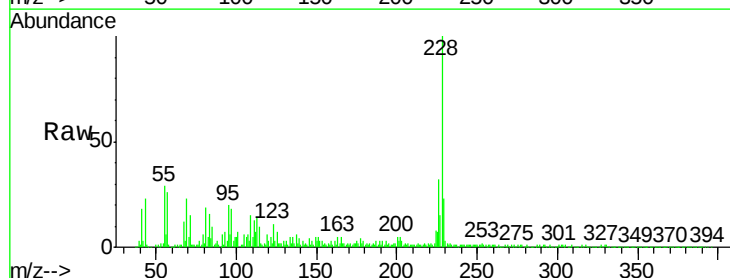
Tgt Ion:228 Resp: 704624

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

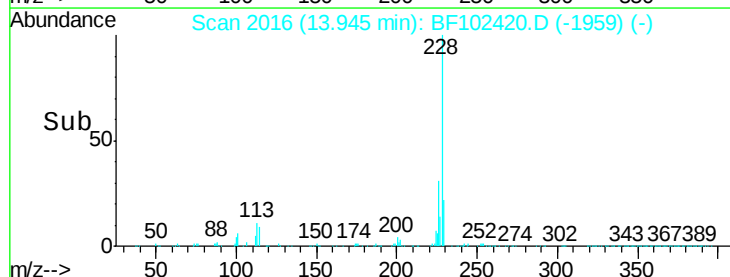
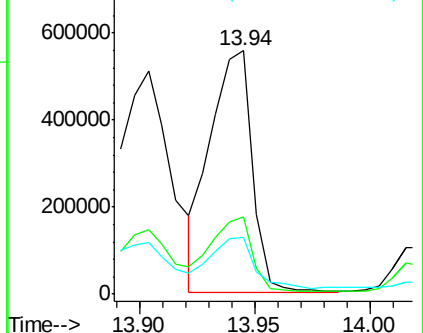
229 23.3 16.2 24.4

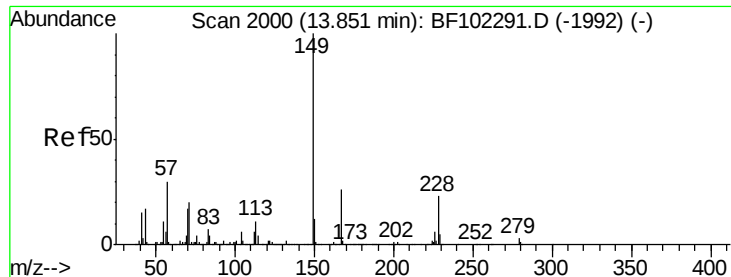


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

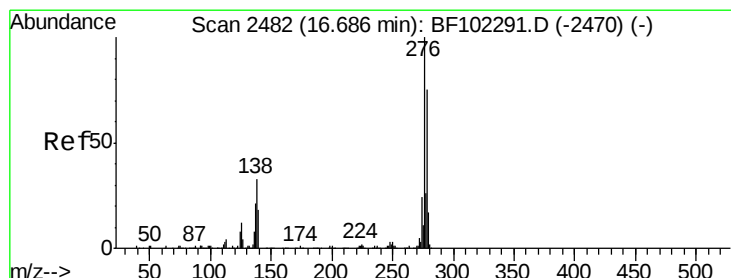
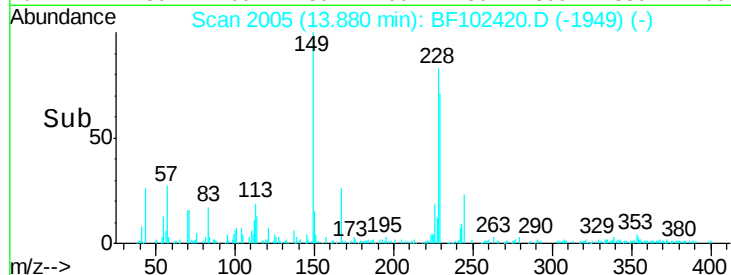
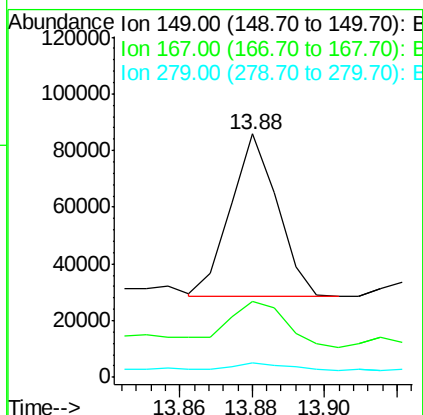
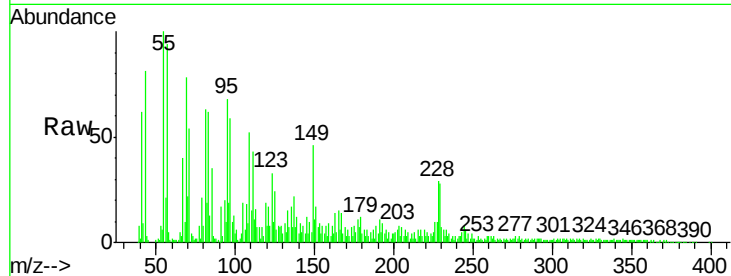




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.840 ng  
 RT: 13.88 min Scan# 2005  
 Delta R.T. 0.03 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

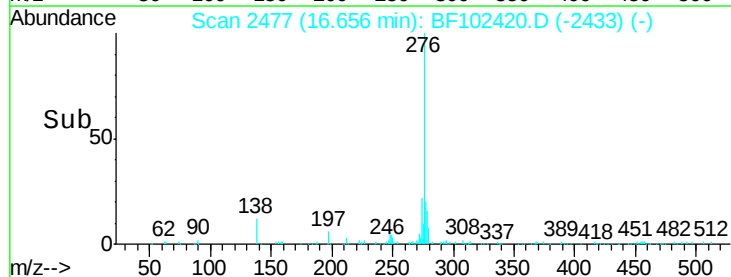
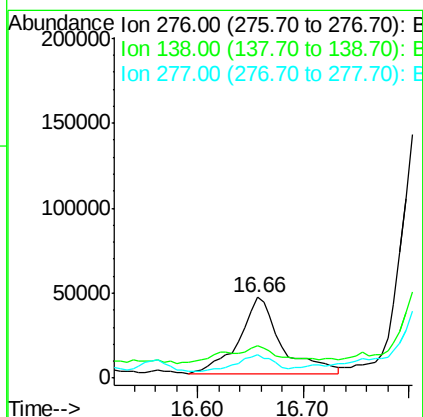
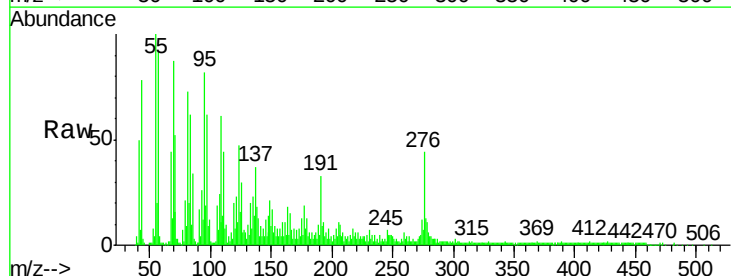
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-OF-N-S-(WW0-4)

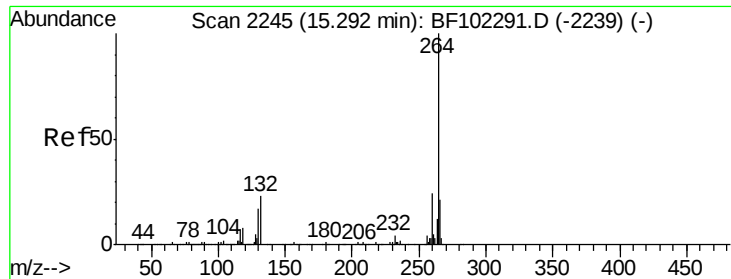
Tgt Ion:149 Resp: 51788  
 Ion Ratio Lower Upper  
 149 100  
 167 30.9 21.3 31.9  
 279 5.9 3.0 4.4#



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 18.979 ng  
 RT: 16.66 min Scan# 2477  
 Delta R.T. -0.04 min  
 Lab File: BF102420.D  
 Acq: 25 Jan 2018 12:31

Tgt Ion:276 Resp: 125175  
 Ion Ratio Lower Upper  
 276 100  
 138 11.5 25.0 37.6#  
 277 18.3 20.1 30.1#

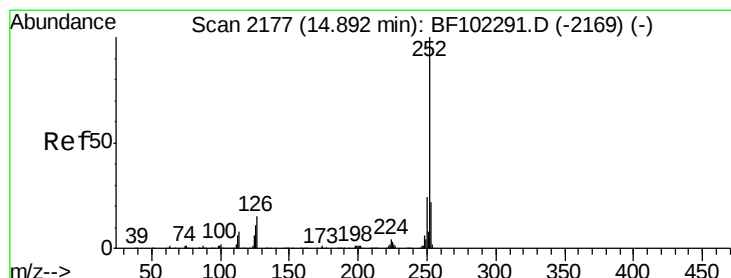
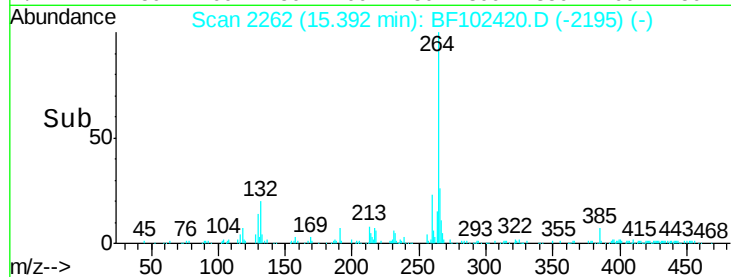
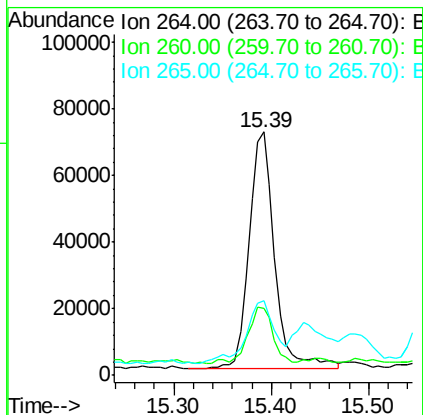
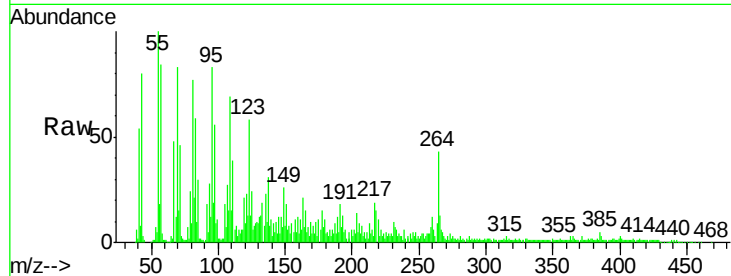




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.39 min Scan# 2262  
Delta R.T. 0.09 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

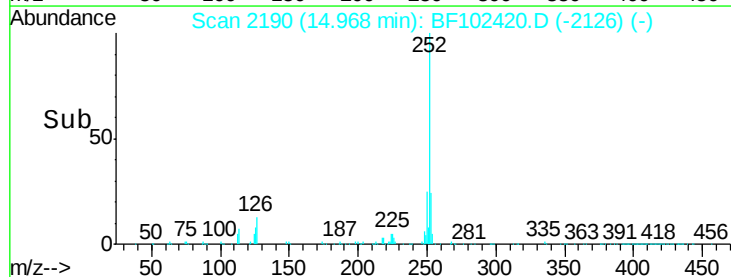
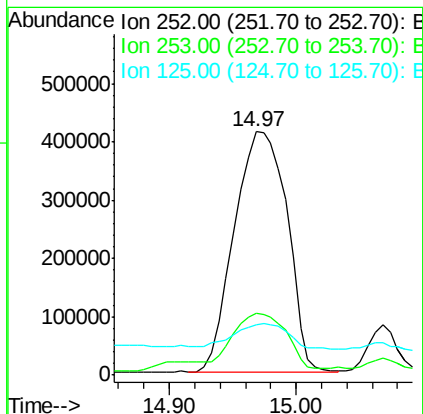
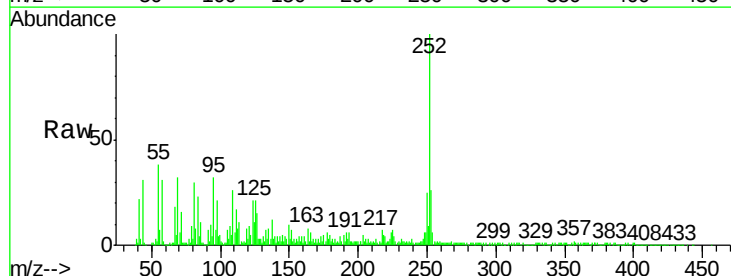
Instrument :  
BNA\_F  
ClientSampleId :  
DB-OF-N-S-(WW0-4)

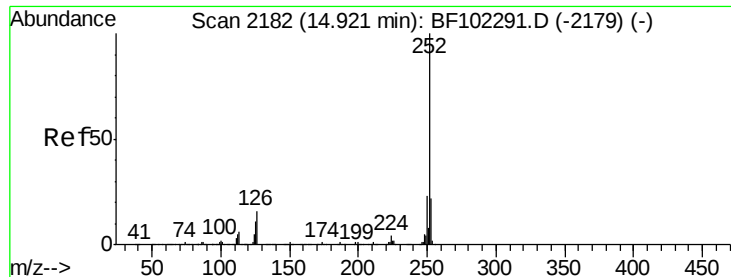
Tgt Ion:264 Resp: 130971  
Ion Ratio Lower Upper  
264 100  
260 27.7 19.2 28.8  
265 30.7 17.5 26.3#



#87  
Benzo(b)fluoranthene  
Concen: 140.604 ng  
RT: 14.97 min Scan# 2190  
Delta R.T. 0.08 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Tgt Ion:252 Resp: 1193571  
Ion Ratio Lower Upper  
252 100  
253 25.5 17.0 25.6  
125 20.6 9.0 13.6#

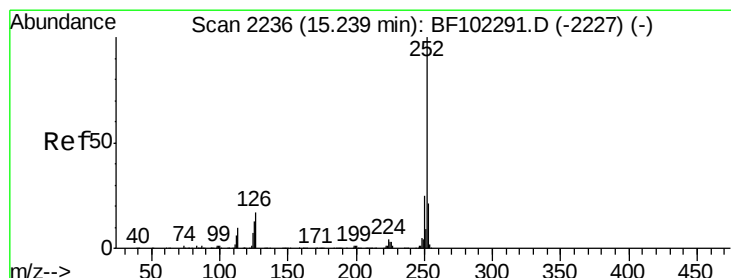
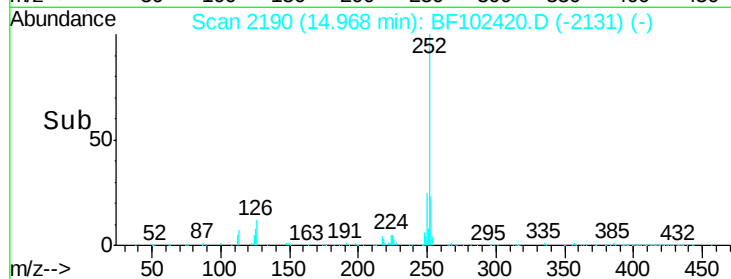
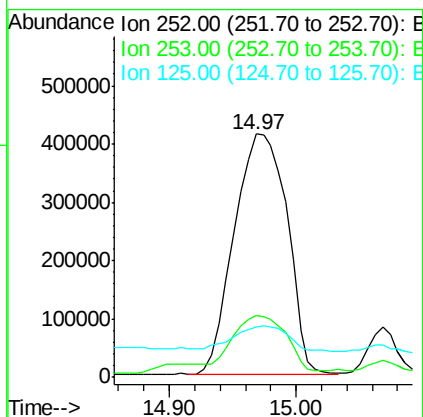
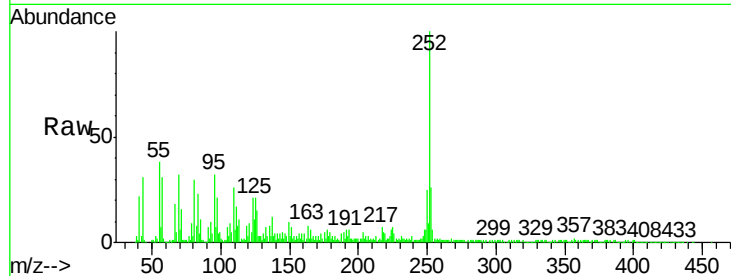




#88  
Benzo(k)fluoranthene  
Concen: 148.822 ng  
RT: 14.97 min Scan# 2190  
Delta R.T. 0.05 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

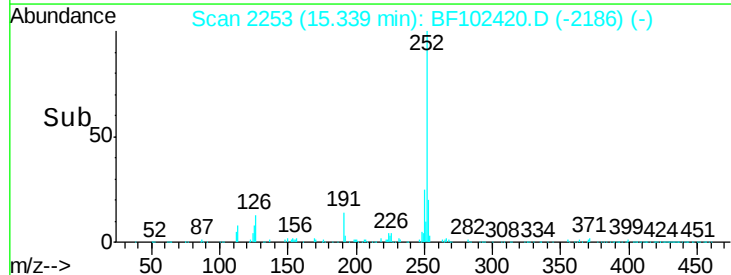
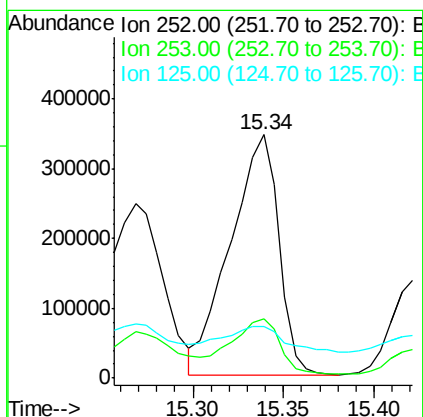
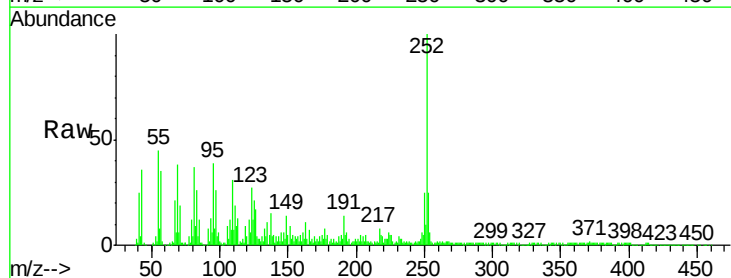
Instrument :  
BNA\_F  
ClientSampleId :  
DB-OF-N-S-(WW0-4)

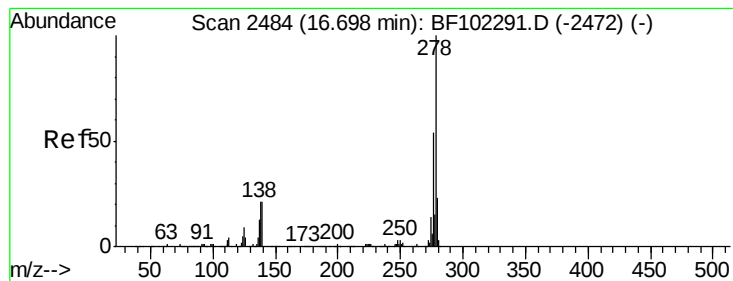
Tgt Ion:252 Resp: 1193571  
Ion Ratio Lower Upper  
252 100  
253 25.5 17.9 26.9  
125 20.6 10.2 15.2#



#89  
Benzo(a)pyrene  
Concen: 83.855 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. 0.09 min  
Lab File: BF102420.D  
Acq: 25 Jan 2018 12:31

Tgt Ion:252 Resp: 641994  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.1 25.7  
125 21.4 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 22.181 ng

RT: 16.82 min Scan# 2505

Delta R.T. 0.11 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

DB-OF-N-S-(WW0-4)

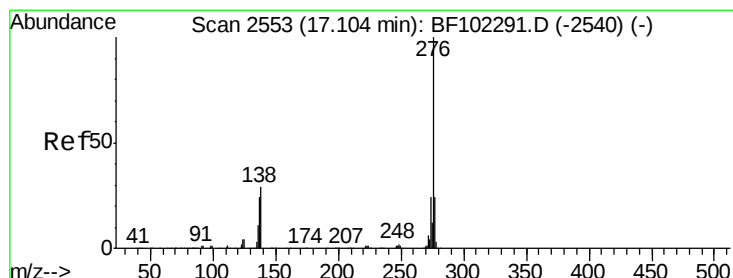
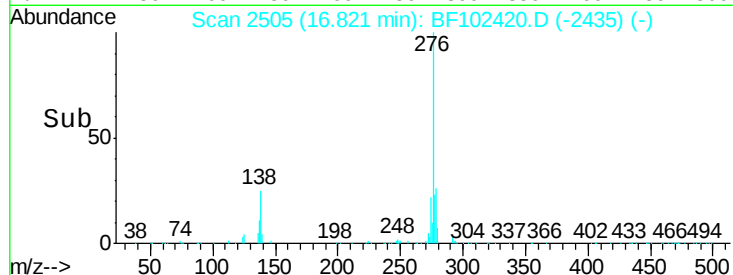
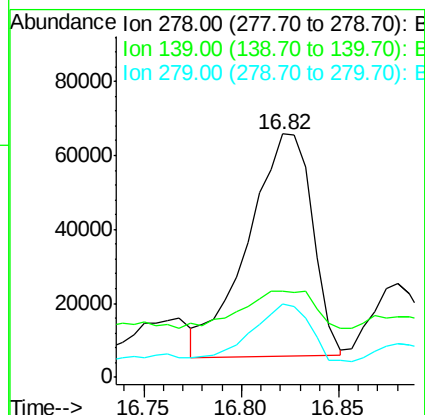
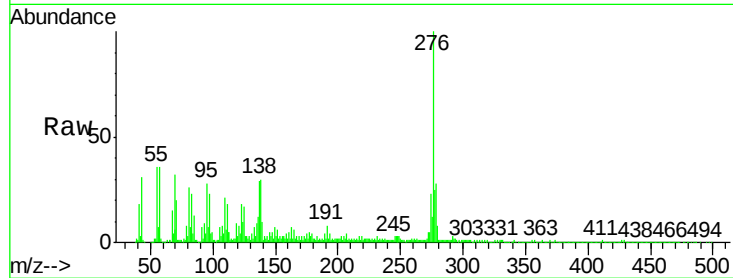
Tgt Ion:278 Resp: 137563

Ion Ratio Lower Upper

278 100

139 35.6 15.9 23.9#

279 29.9 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 99.247 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.14 min

Lab File: BF102420.D

Acq: 25 Jan 2018 12:31

Tgt Ion:276 Resp: 607746

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 28.8 21.8 32.8

