

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061818\  
 Data File : BF106553.D  
 Acq On : 18 Jun 2018 22:47  
 Operator : JU/SJ  
 Sample : J3564-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

Quant Time: Jun 19 01:09:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 15 11:11:47 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 107481   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 371995   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 153928   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 253574   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 307778   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.69 | 264  | 275822   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 391592   | 61.66  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 307250   | 38.30  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 580787   | 91.85  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 202648   | 136.83 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 895504   | 115.06 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 906097   | 73.12  | ng    | 0.00     |

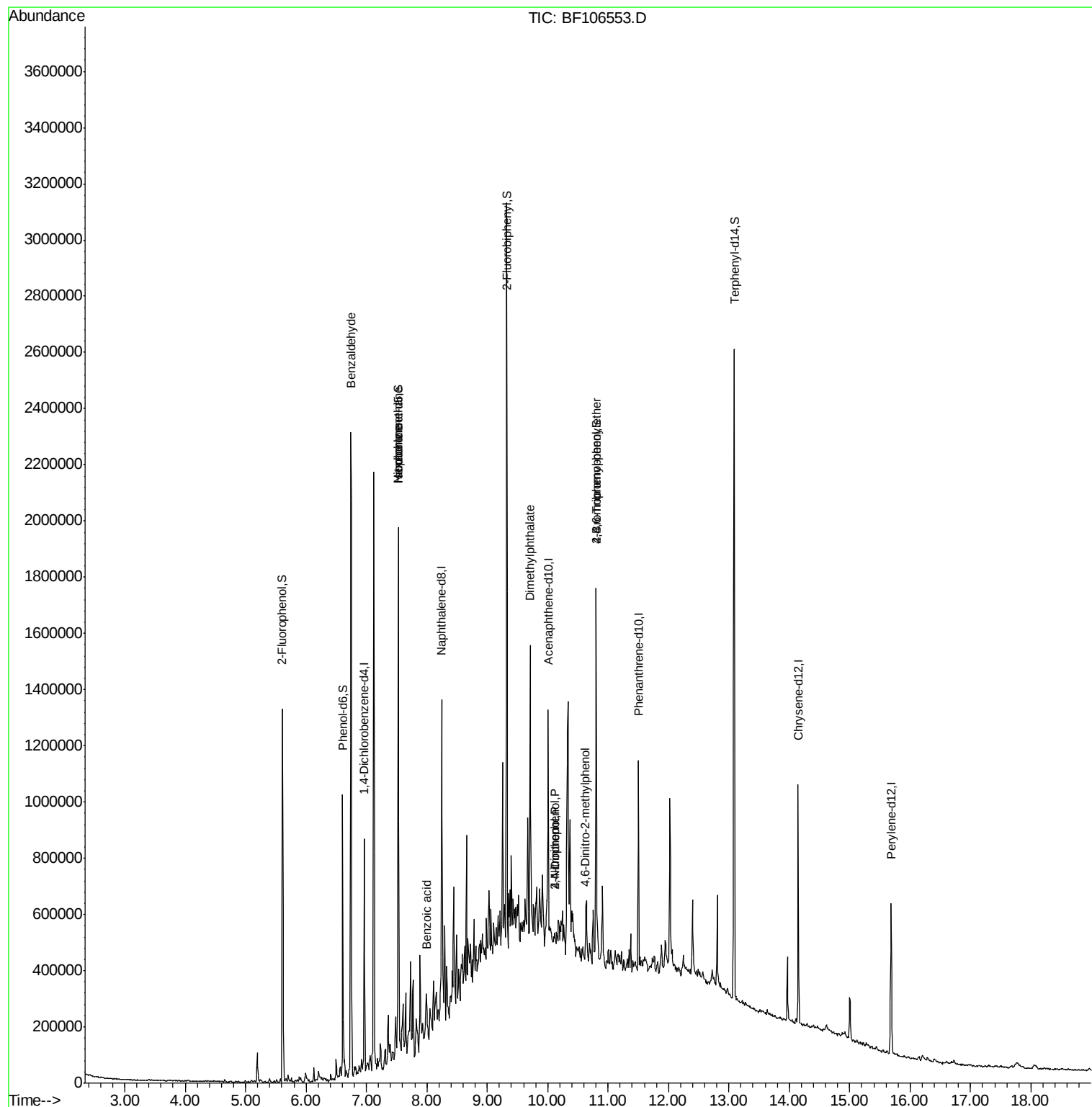
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde                | 6.74  | 77   | 15345    | 2.522  | ng    | 81     |
| 18) Hexachloroethane           | 7.53  | 117  | 37758    | 12.992 | ng    | # 5    |
| 25) Isophorone                 | 7.53  | 82   | 580787   | 47.023 | ng    | # 65   |
| 32) Benzoic acid               | 7.99  | 122  | 1331     | 7.582  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.71  | 163  | 81298    | 7.393  | ng    | # 92   |
| 53) 2,4-Dinitrophenol          | 10.13 | 184  | 126      | 8.723  | ng    | # 27   |
| 55) 4-Nitrophenol              | 10.12 | 139  | 4679     | 2.290  | ng    | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 907      | 6.871  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 12799    | 4.438  | ng    | # 1    |

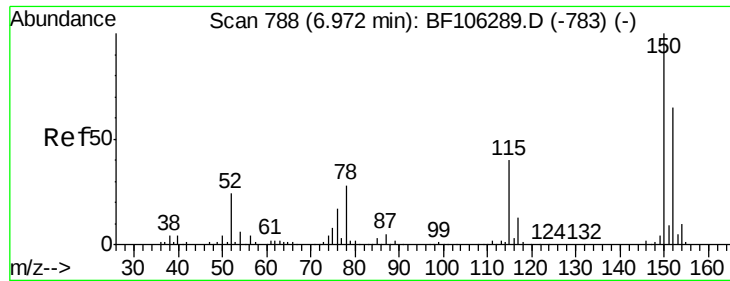
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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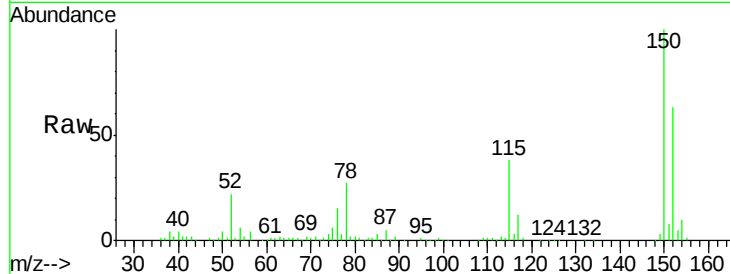


#1

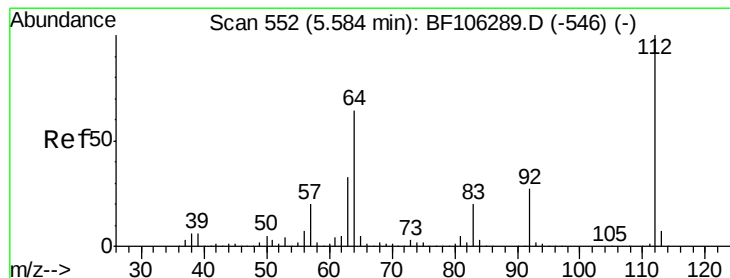
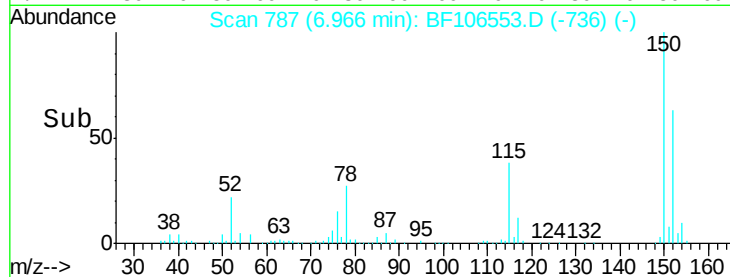
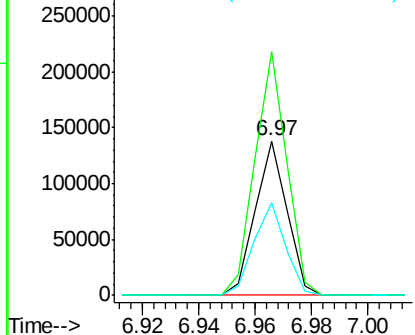
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Tgt Ion:152 Resp: 107481  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.6 186.8  
115 60.3 50.1 75.1



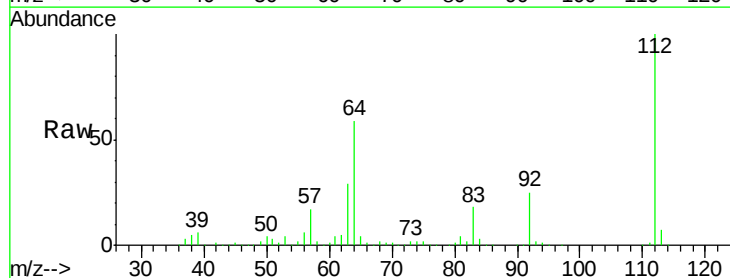
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



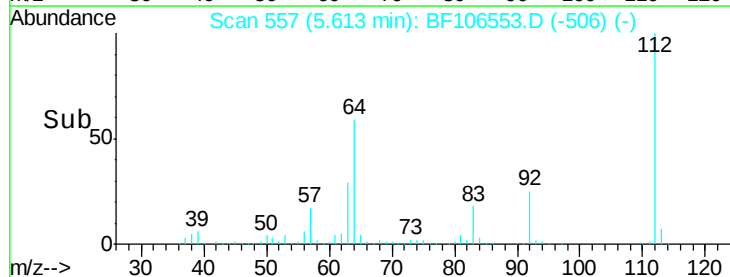
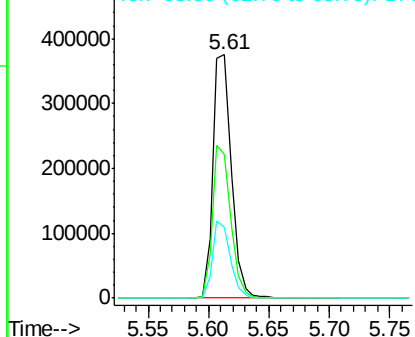
#5

2-Fluorophenol  
Concen: 61.664 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:112 Resp: 391592  
Ion Ratio Lower Upper  
112 100  
64 59.0 47.9 71.9  
63 29.3 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





#7

Phenol-d6

Concen: 38.295 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampled :

MW-15

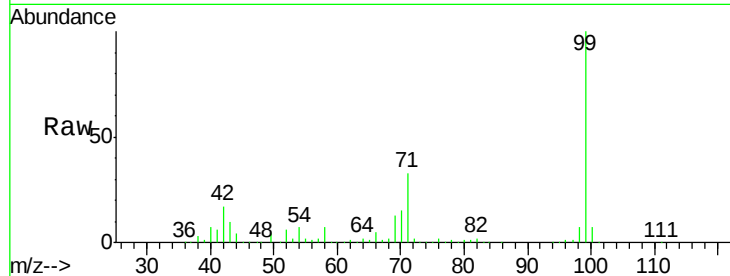
Tgt Ion: 99 Resp: 307250

Ion Ratio Lower Upper

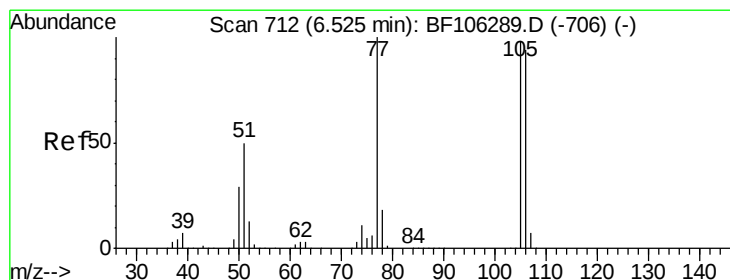
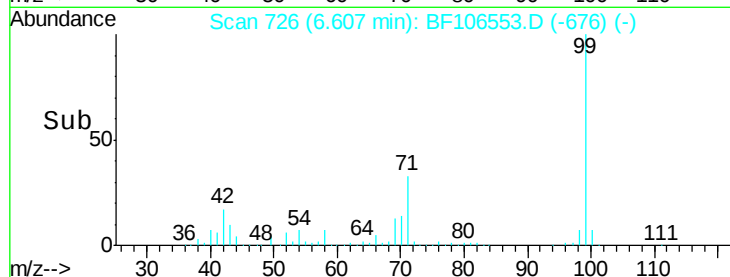
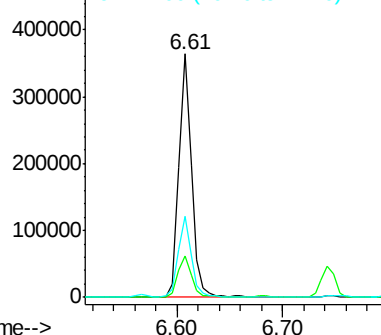
99 100

42 17.2 14.5 21.7

71 33.2 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



#9

Benzaldehyde

Concen: 2.522 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

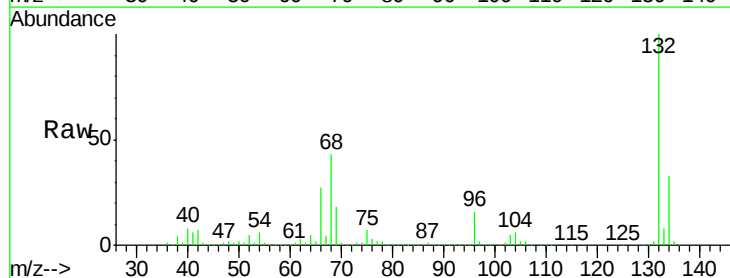
Tgt Ion: 77 Resp: 15345

Ion Ratio Lower Upper

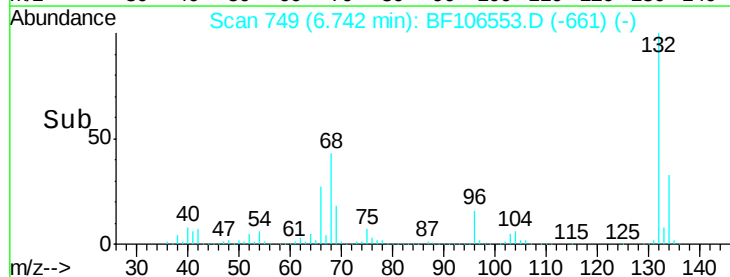
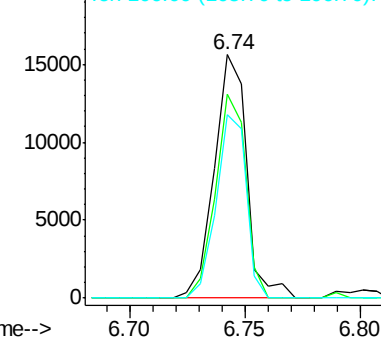
77 100

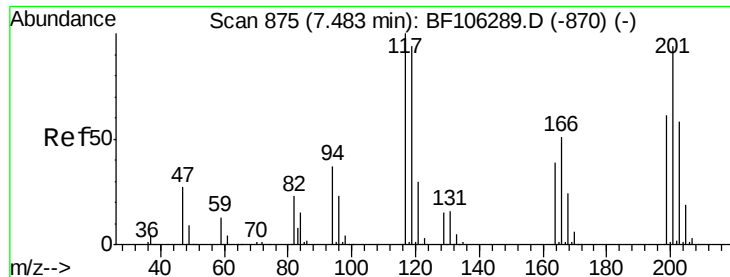
105 83.6 81.1 121.1

106 75.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

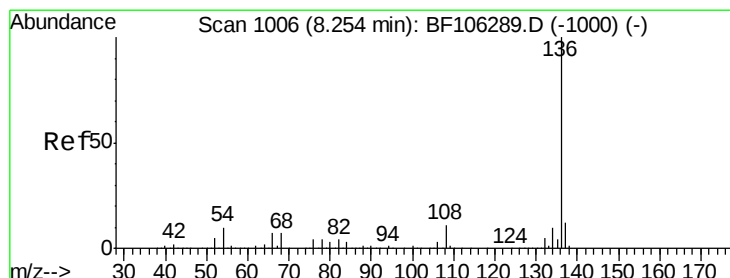
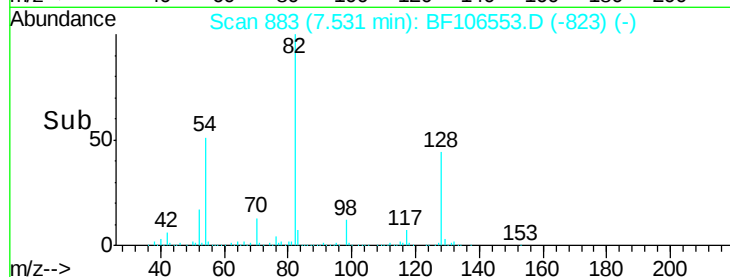
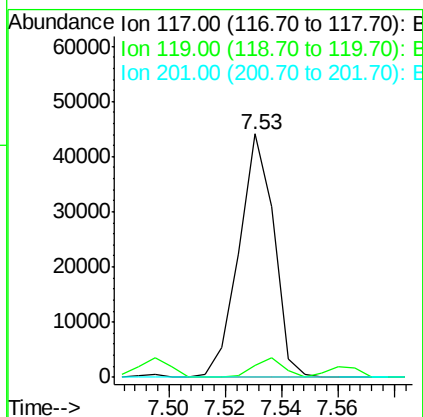
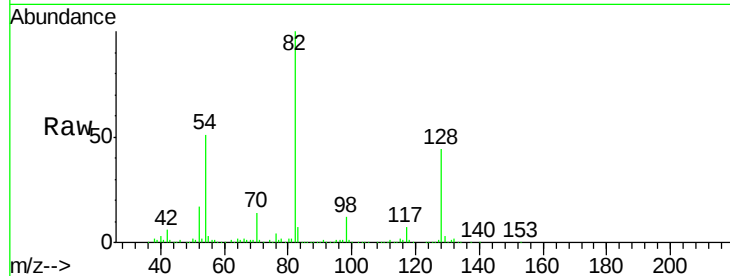




#18  
Hexachloroethane  
Concen: 12.992 ng  
RT: 7.53 min Scan# 883  
Delta R.T. 0.05 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

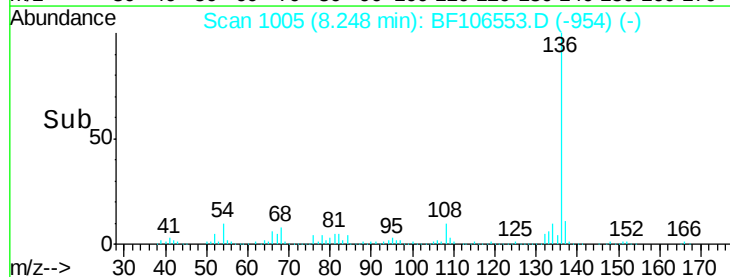
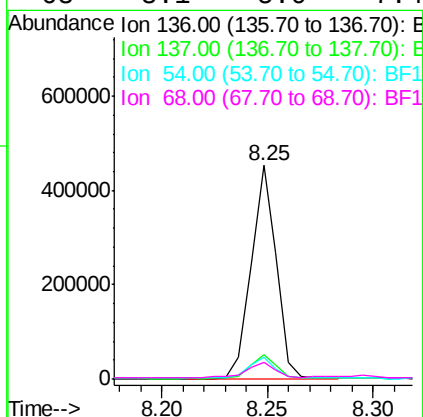
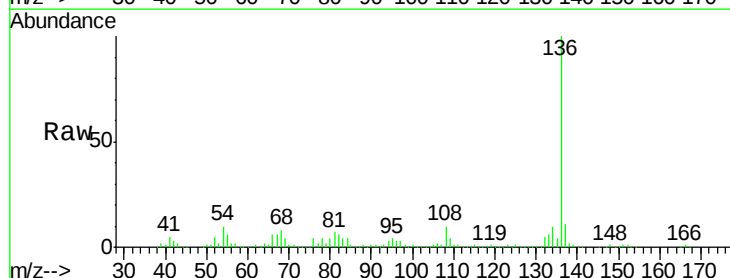
Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

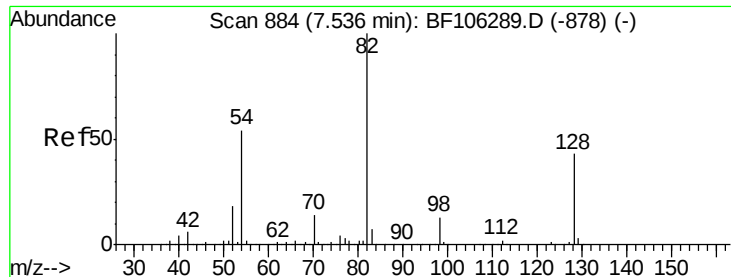
Tgt Ion:117 Resp: 37758  
Ion Ratio Lower Upper  
117 100  
119 4.8 75.8 113.8#  
201 0.0 75.7 113.5#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:136 Resp: 371995  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.9 13.3  
54 10.1 6.6 9.8#  
68 8.1 5.0 7.4#

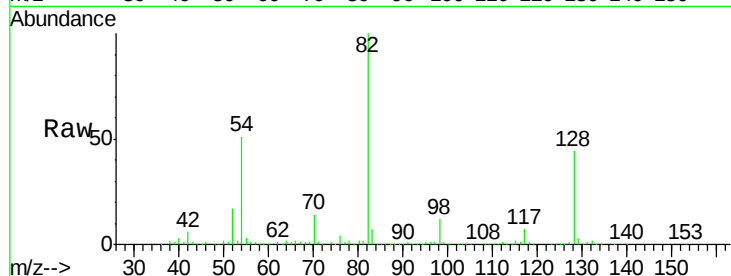




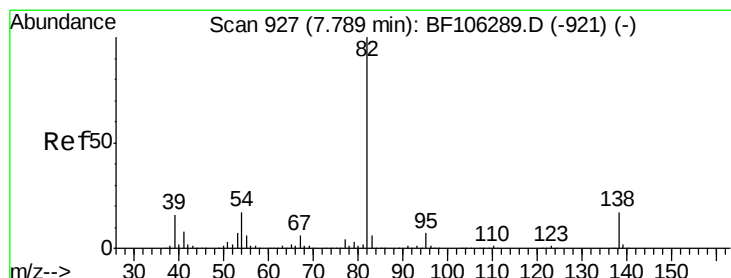
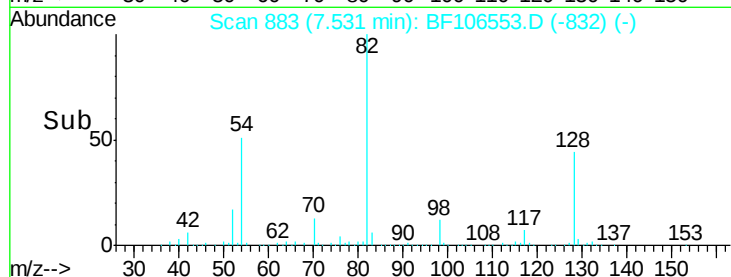
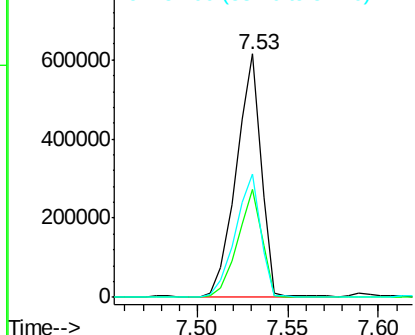
#23  
 Nitrobenzene-d5  
 Concen: 91.848 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. 0.00 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.2  | 36.1  | 54.1  |
| 54      | 50.7  | 41.4  | 62.2  |

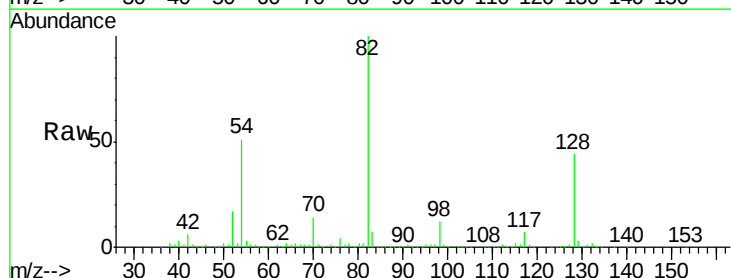


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

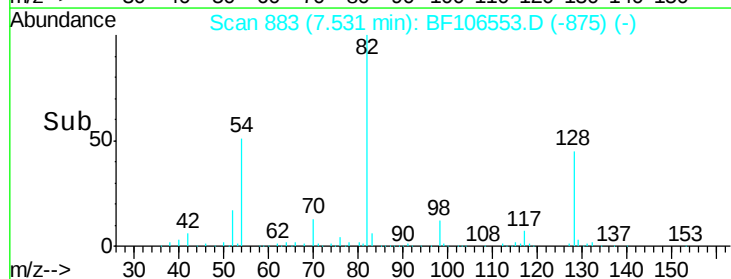
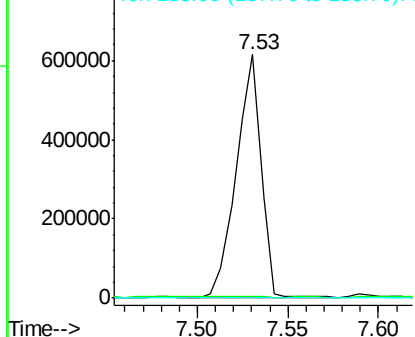


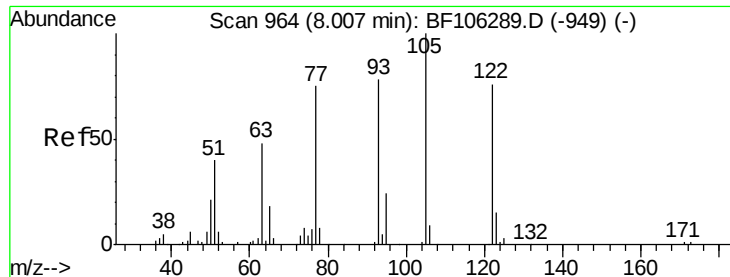
#25  
 Isophorone  
 Concen: 47.023 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.25 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.7   | 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

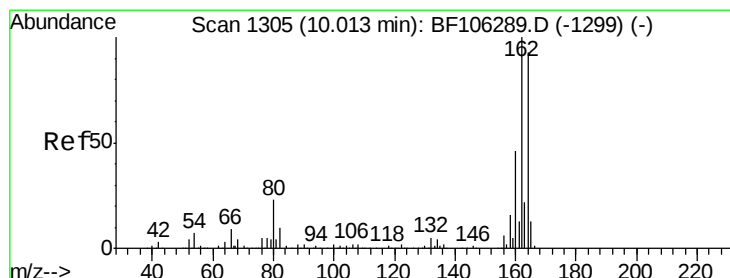
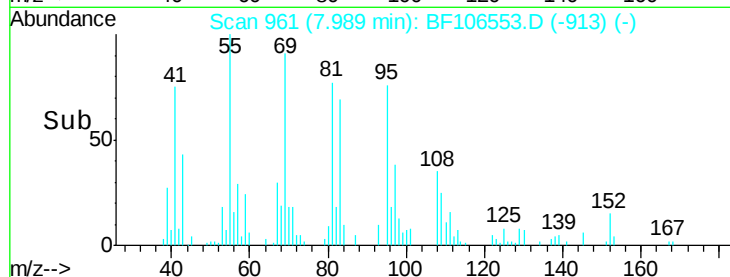
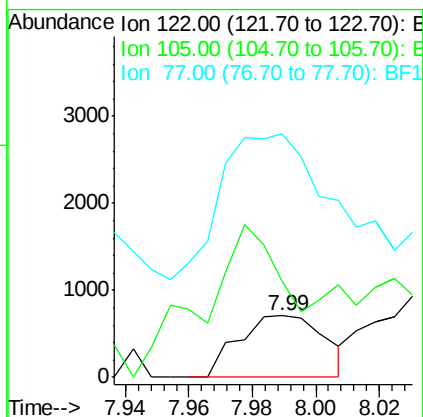
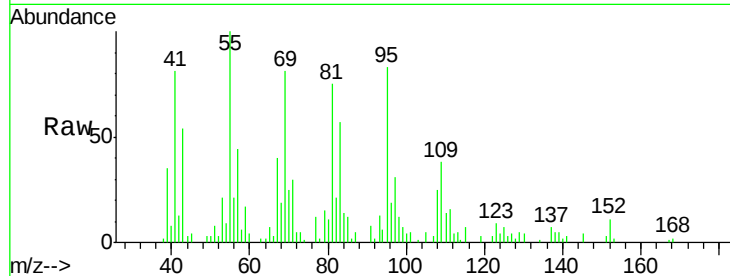




#32  
Benzoic acid  
Concen: 7.582 ng  
RT: 7.99 min Scan# 961  
Delta R.T. -0.02 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

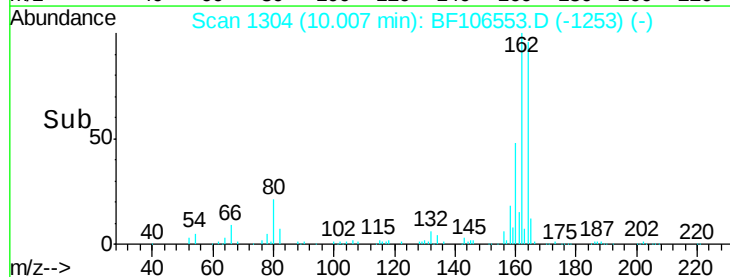
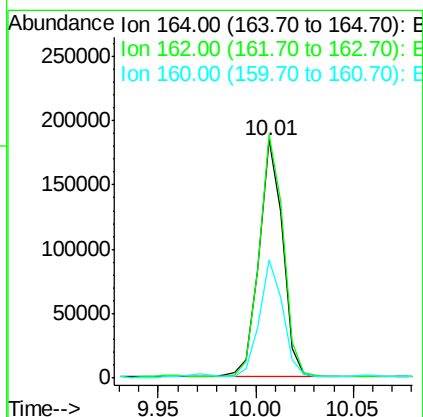
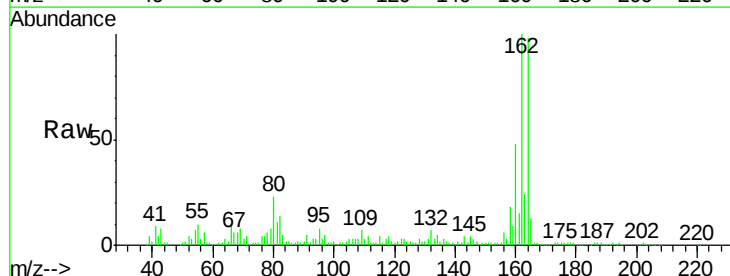
Instrument :  
BNA\_F  
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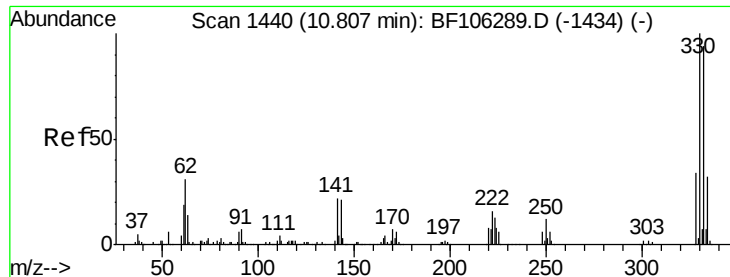
Tgt Ion:122 Resp: 1331  
Ion Ratio Lower Upper  
122 100  
105 155.9 101.1 141.1#  
77 394.5 70.7 110.7#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:164 Resp: 153928  
Ion Ratio Lower Upper  
164 100  
162 102.3 86.1 129.1  
160 49.4 38.3 57.5

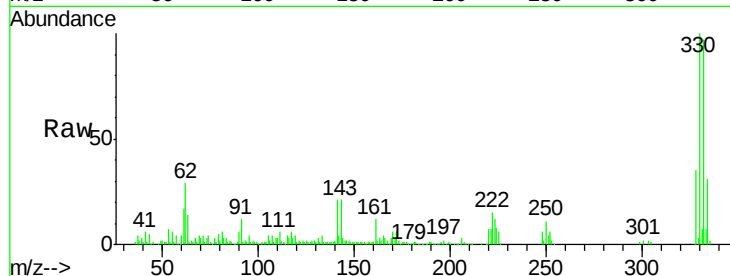




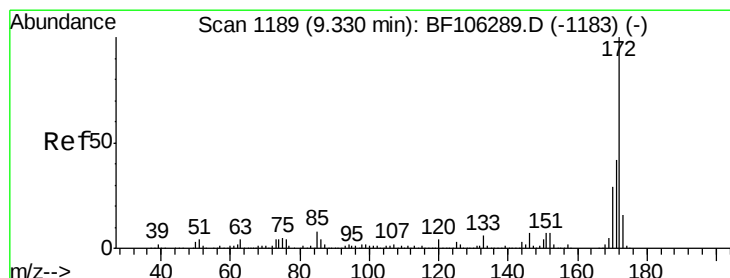
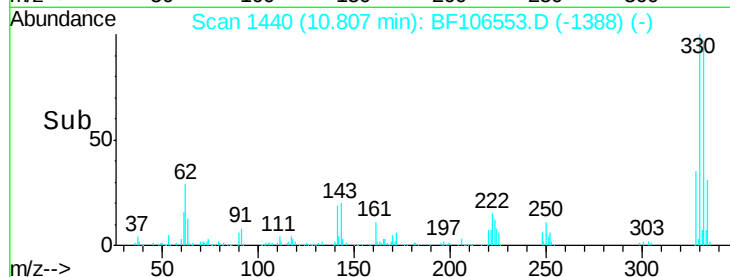
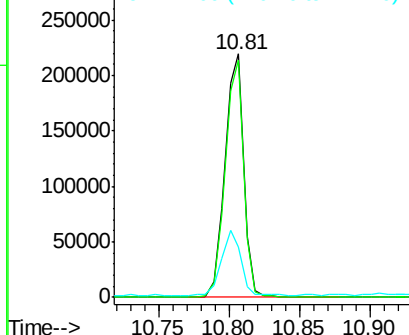
#41  
 2,4,6-Tribromophenol  
 Concen: 136.827 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. 0.01 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 27.4  | 29.9  | 44.9# |

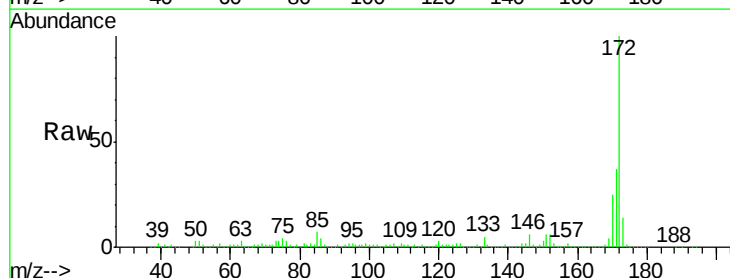


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

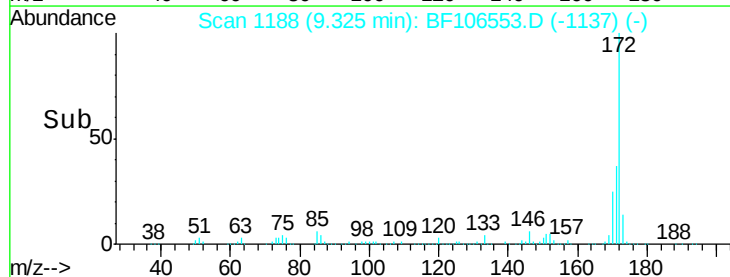
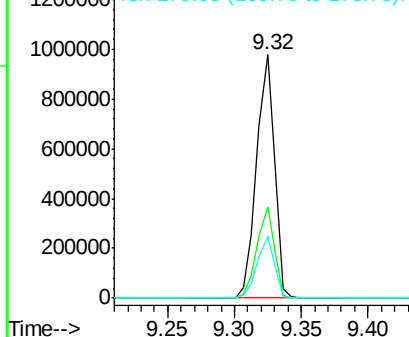


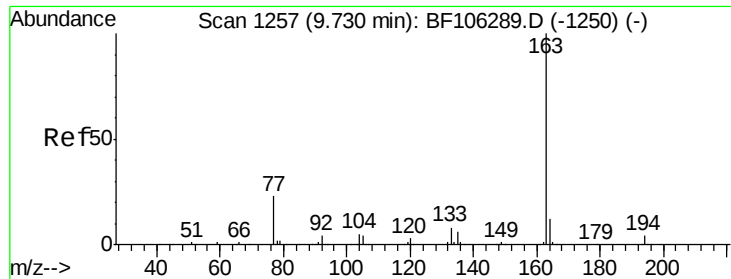
#44  
 2-Fluorobiphenyl  
 Concen: 115.057 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.7  | 44.5  |
| 170     | 25.3  | 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

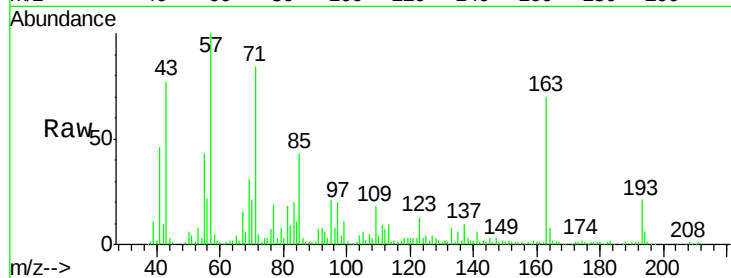




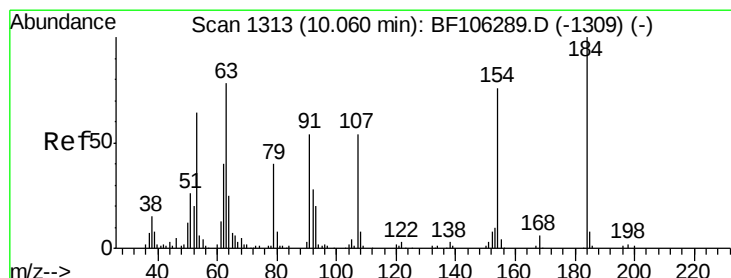
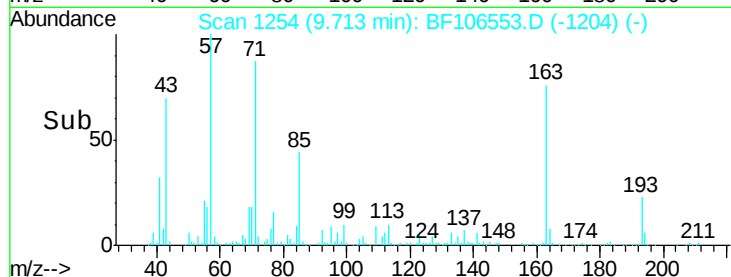
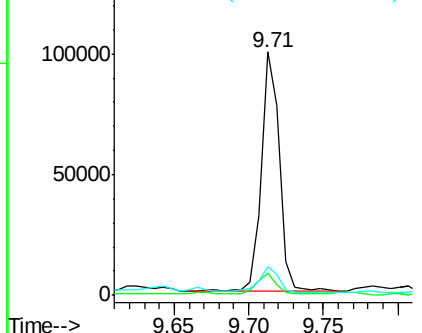
#49  
Dimethylphthalate  
Concen: 7.393 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Instrument :  
BNA\_F  
ClientSampled :  
MW-15

Tgt Ion:163 Resp: 81298  
Ion Ratio Lower Upper  
163 100  
194 8.9 2.7 4.1#  
164 11.9 8.2 12.2

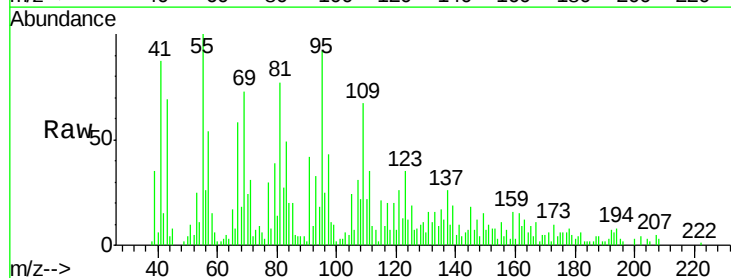


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

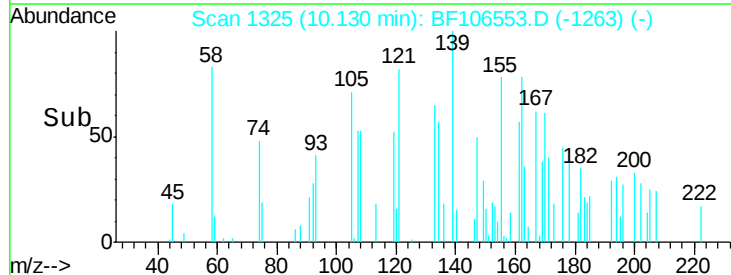
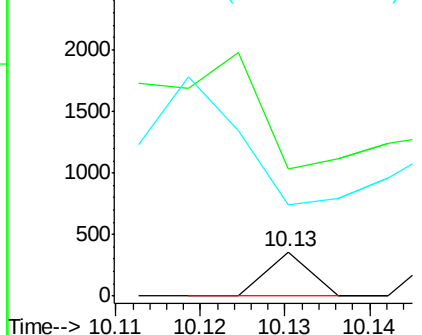


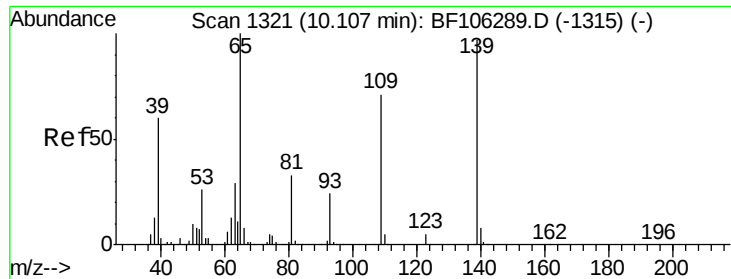
#53  
2,4-Dinitrophenol  
Concen: 8.723 ng  
RT: 10.13 min Scan# 1325  
Delta R.T. 0.06 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:184 Resp: 126  
Ion Ratio Lower Upper  
184 100  
63 290.5 54.2 81.2#  
154 207.3 184.0 276.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

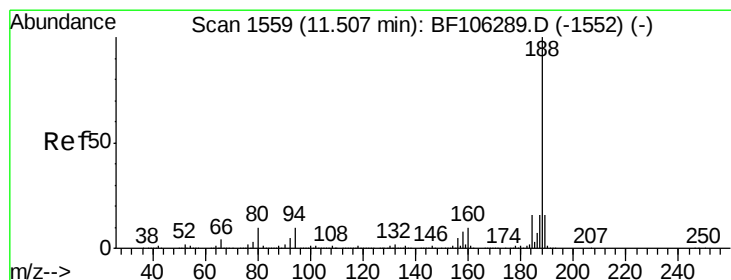
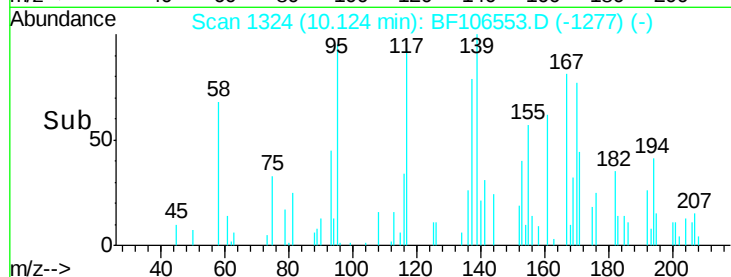
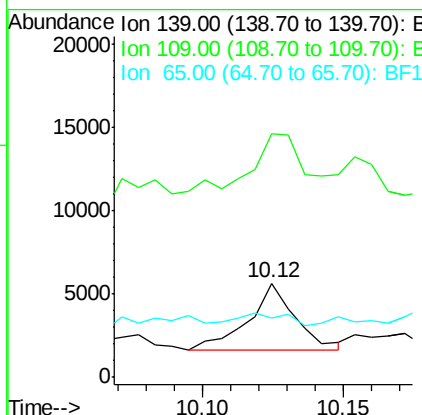
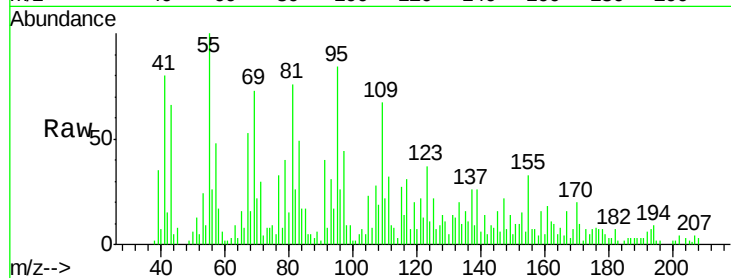




#55  
4-Nitrophenol  
Concen: 2.290 ng  
RT: 10.12 min Scan# 1324  
Delta R.T. -0.02 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

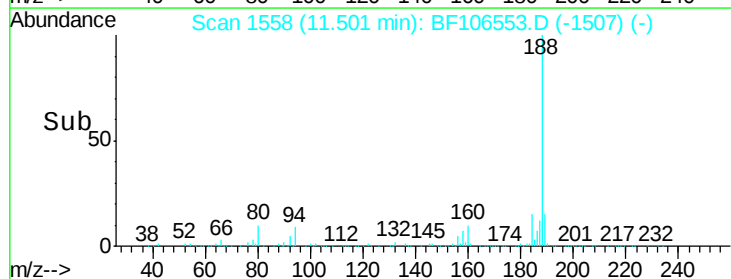
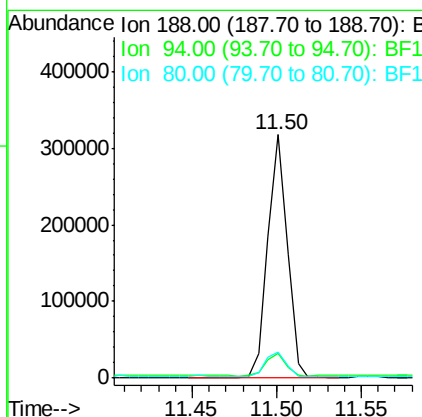
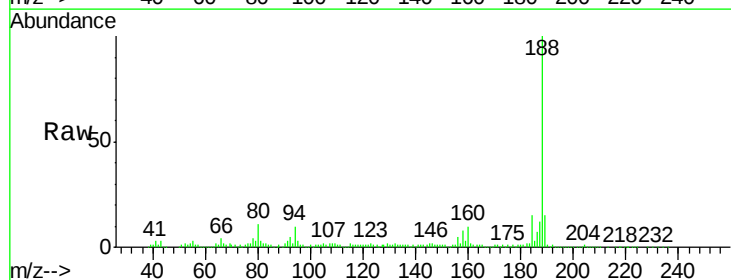
Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

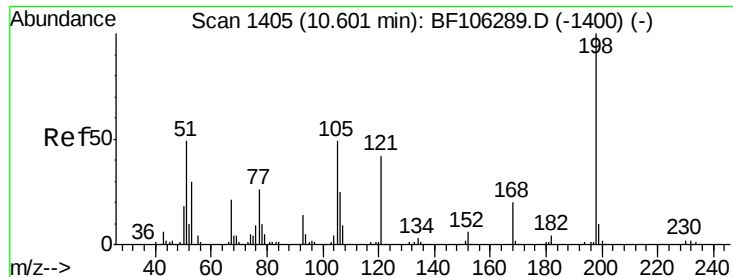
Tgt Ion:139 Resp: 4679  
Ion Ratio Lower Upper  
139 100  
109 258.0 48.4 88.4#  
65 62.7 72.6 112.6#



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:188 Resp: 253574  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.5 12.7  
80 10.7 9.2 13.8

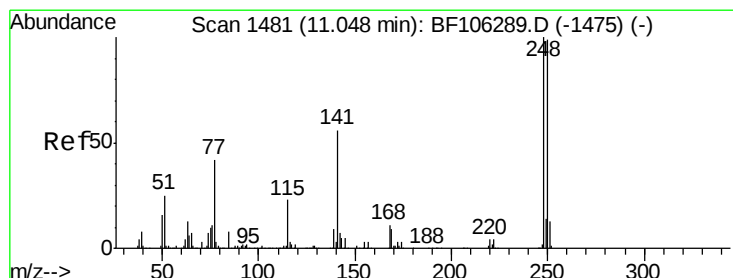
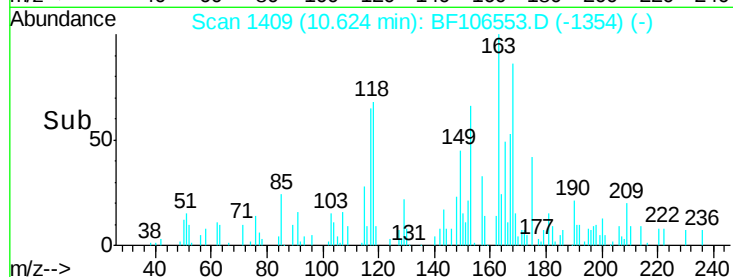
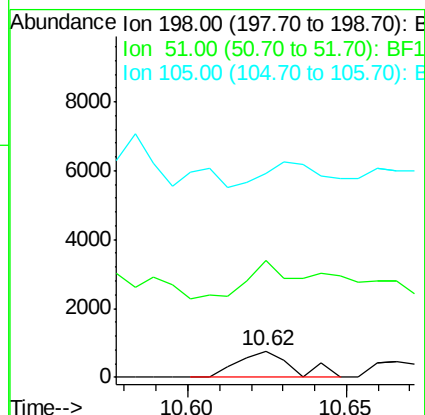
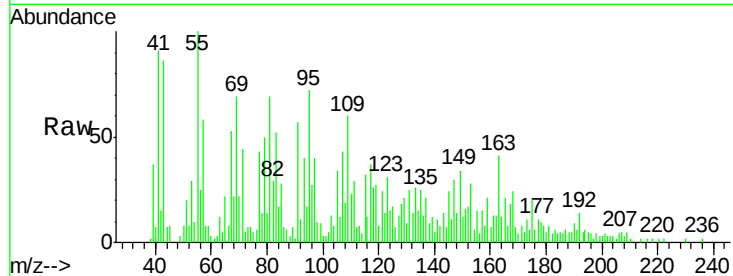




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.871 ng  
 RT: 10.62 min Scan# 1409  
 Delta R.T. 0.02 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

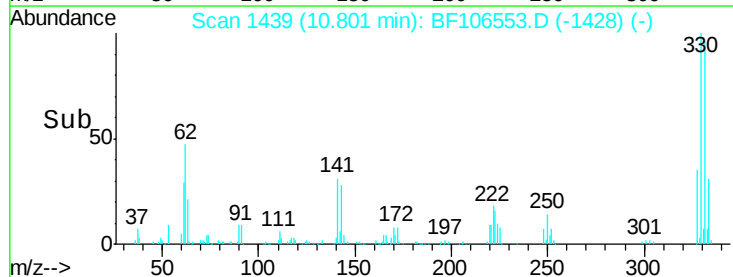
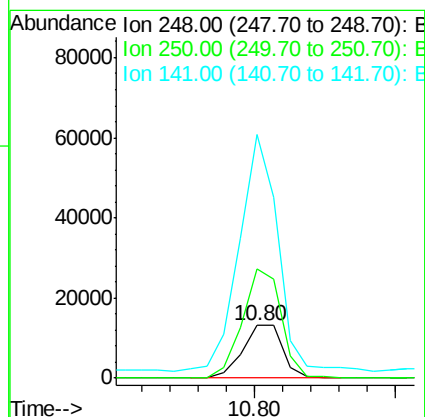
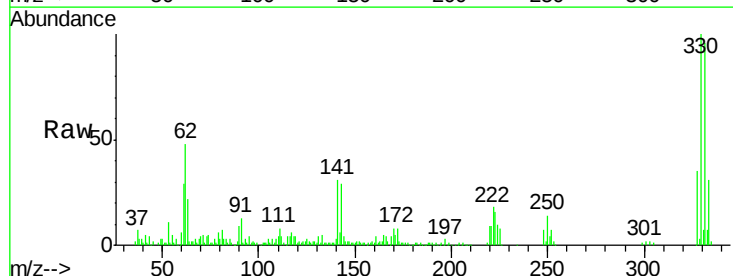
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

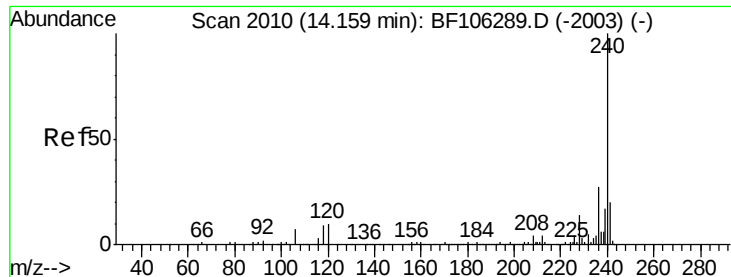
Tgt Ion:198 Resp: 907  
 Ion Ratio Lower Upper  
 198 100  
 51 444.0 37.7 77.7#  
 105 776.6 36.3 76.3#



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.438 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.24 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

Tgt Ion:248 Resp: 12799  
 Ion Ratio Lower Upper  
 248 100  
 250 209.3 76.9 115.3#  
 141 465.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampleId :

MW-15

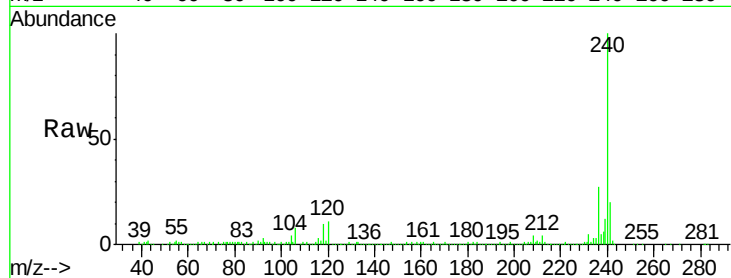
Tgt Ion:240 Resp: 307778

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

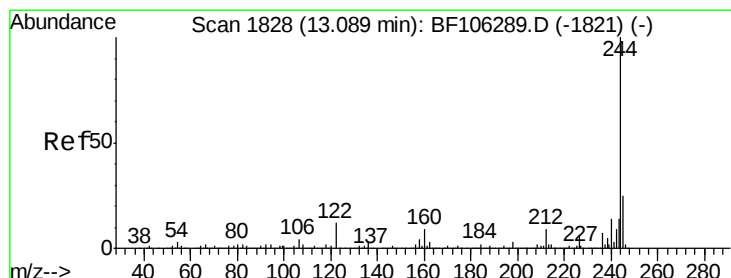
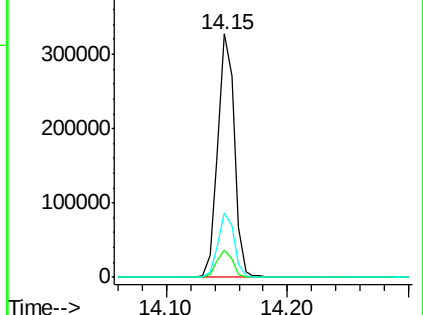
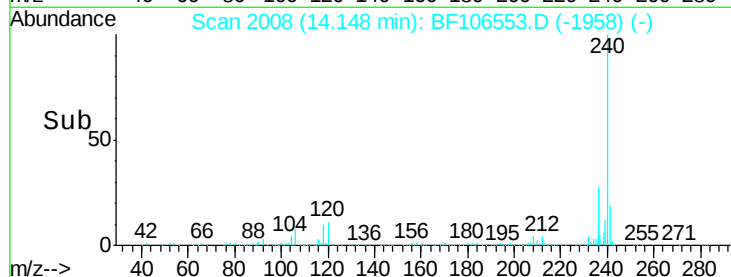
236 26.6 20.7 31.1



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



#78

Terphenyl-d14

Concen: 73.122 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

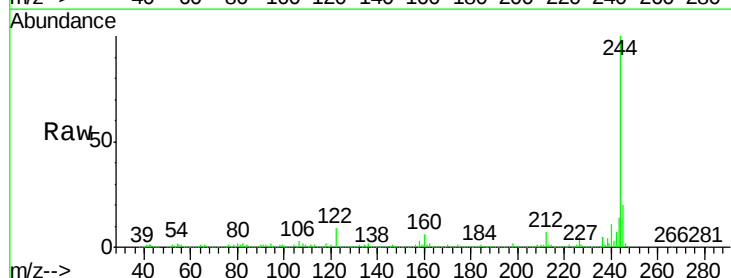
Tgt Ion:244 Resp: 906097

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

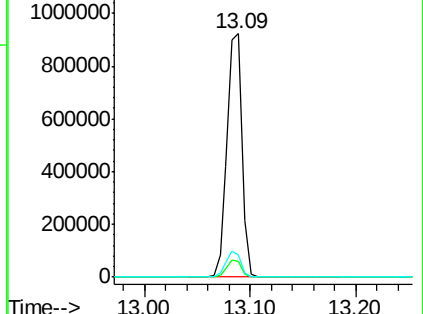
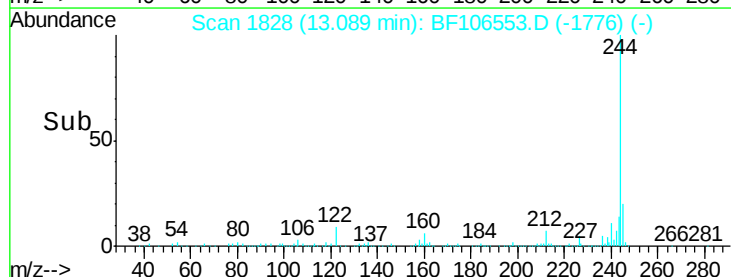
122 9.1 11.0 16.4#

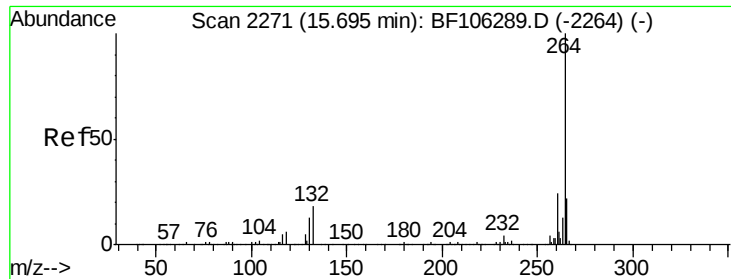


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Tgt Ion: 264 Resp: 275822  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 19.2  | 28.8  |
| 265 | 21.2  | 17.5  | 26.3  |

