

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\  
 Data File : BF107783.D  
 Acq On : 28 Jul 2018 8:43  
 Operator : JU/SJ  
 Sample : J4199-04  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-30

Quant Time: Jul 30 03:23:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

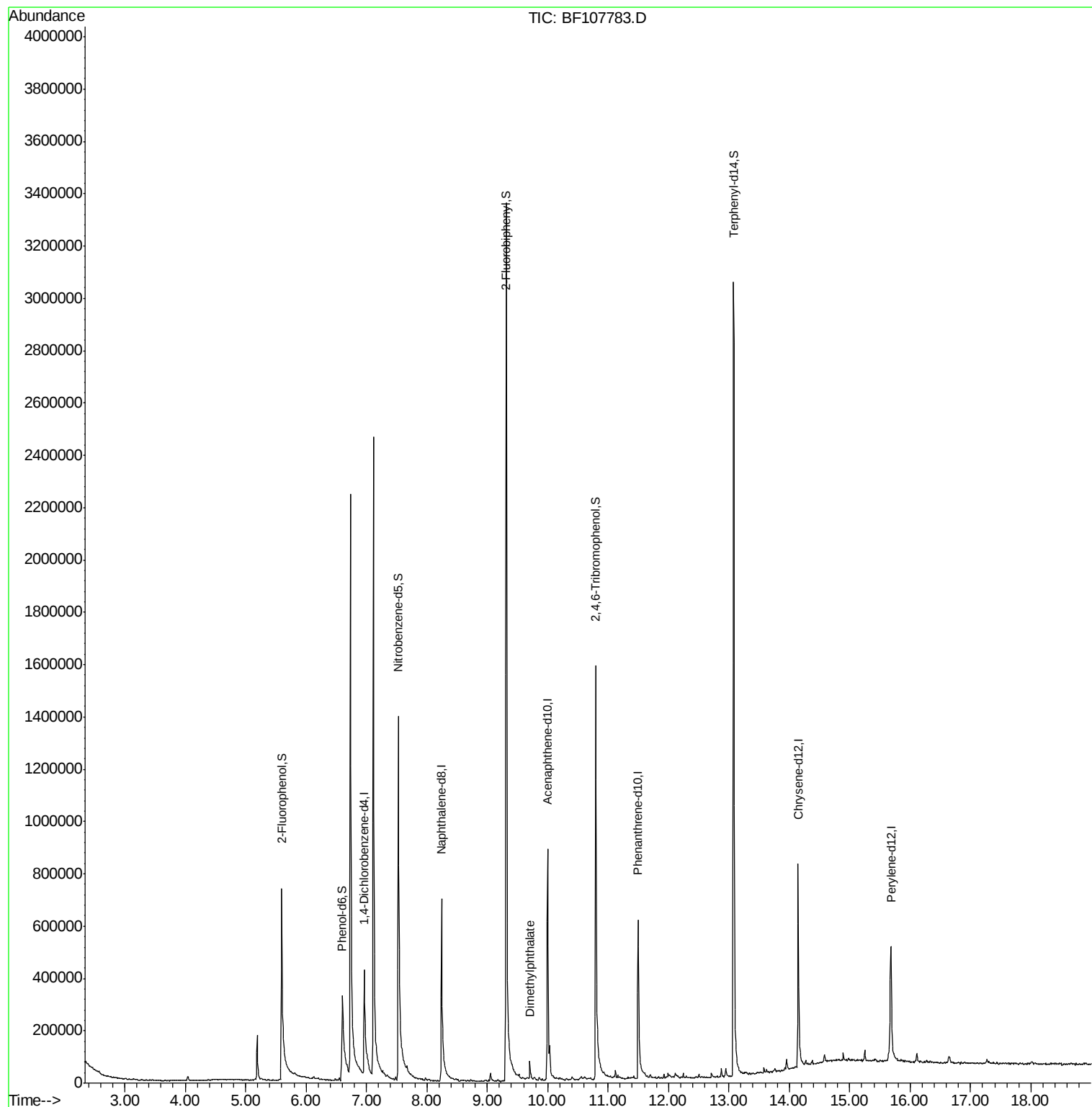
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 136981   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.24  | 136  | 529674   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 213490   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 367373   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.15 | 240  | 389964   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 320439   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 415098   | 48.72  | ng    | -0.01    |
| 7) Phenol-d6                | 6.60  | 99   | 362263   | 35.41  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 860203   | 109.60 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 316420   | 130.34 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 1586108  | 164.81 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.08 | 244  | 1363721  | 89.53  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.71  | 163  | 39946    | 2.483  | ng    | 99       |

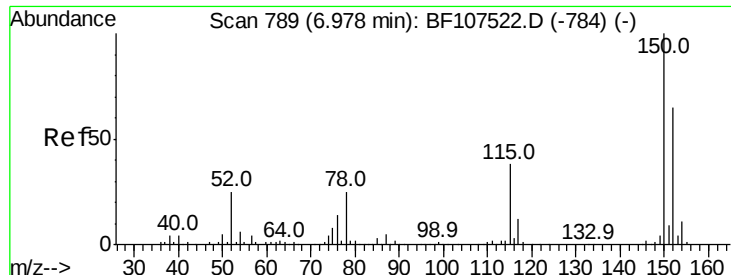
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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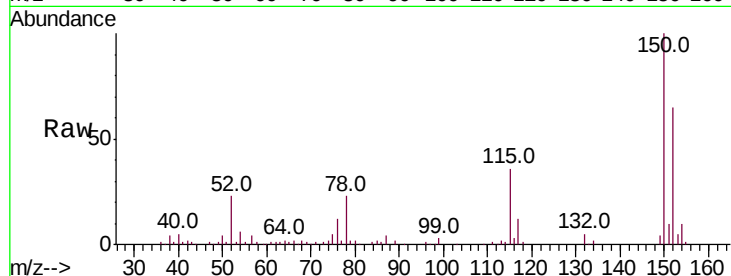


#1

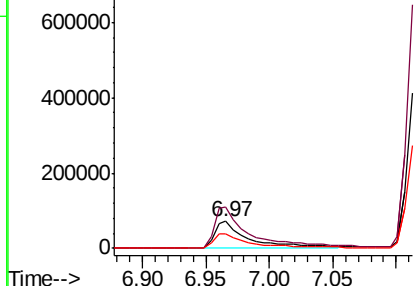
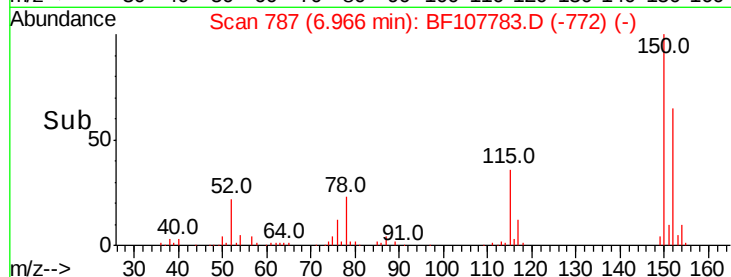
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: BF107783.D  
Acq: 28 Jul 2018 8:43

Instrument :  
BNA\_F  
ClientSampleId :  
MW-30

Tot Ion:152 Resp: 136981  
Ion Ratio Lower Upper  
152 100  
150 152.9 124.6 186.8  
115 55.0 50.1 75.1



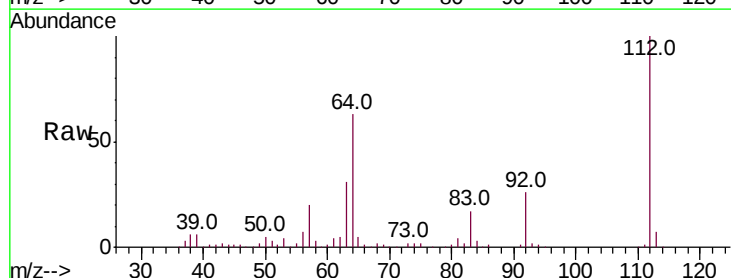
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



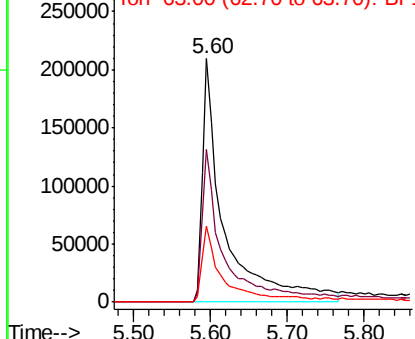
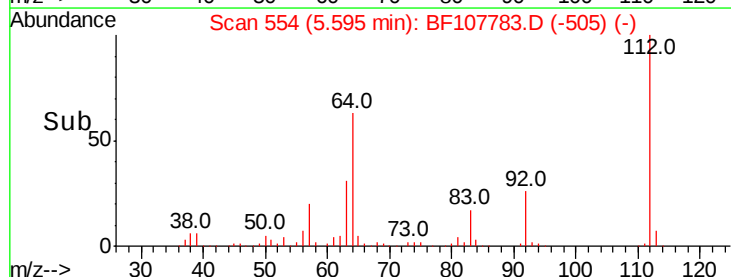
#5

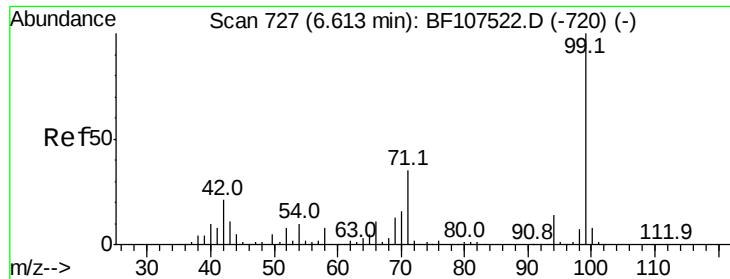
2-Fluorophenol  
Concen: 48.722 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107783.D  
Acq: 28 Jul 2018 8:43

Tgt Ion:112 Resp: 415098  
Ion Ratio Lower Upper  
112 100  
64 62.6 47.9 71.9  
63 31.1 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: 35.412 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

Instrument :

BNA\_F

ClientSampleId :

MW-30

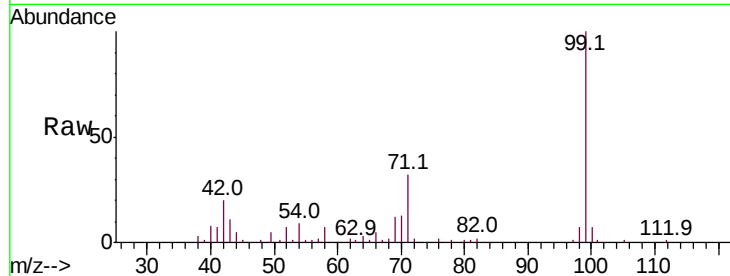
Tot Ion: 99 Resp: 362263

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

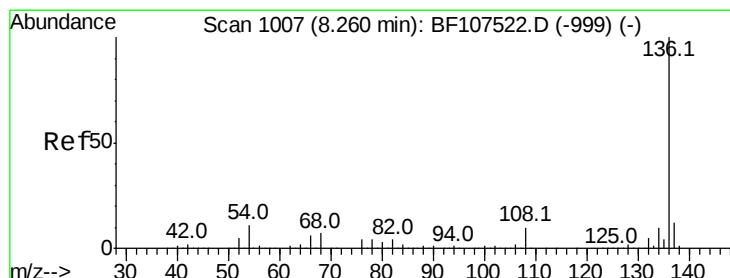
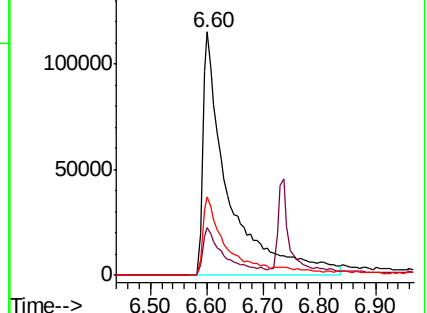
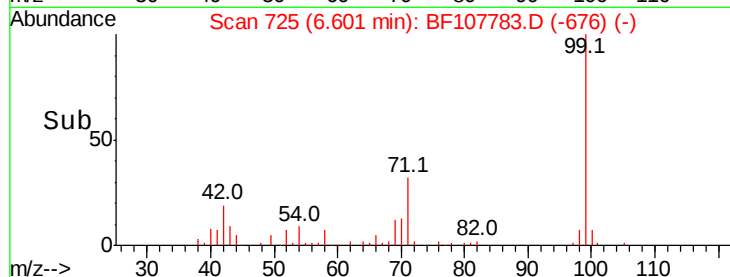
71 32.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

Tgt Ion: 136 Resp: 529674

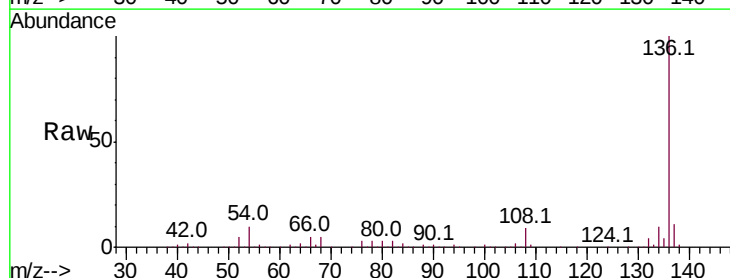
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.6 6.6 9.8

68 5.3 5.0 7.4

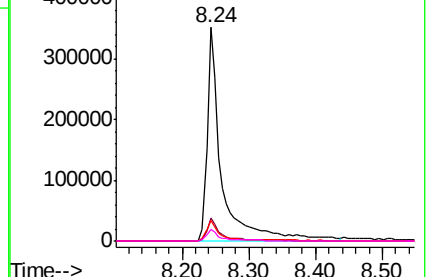
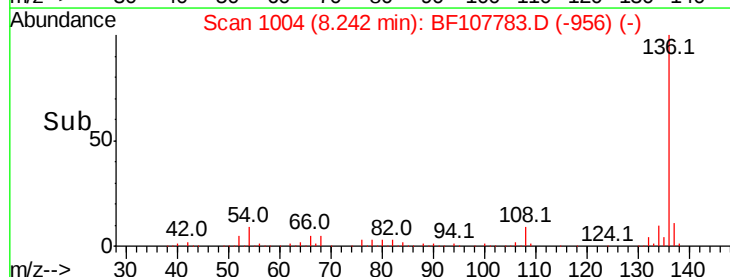


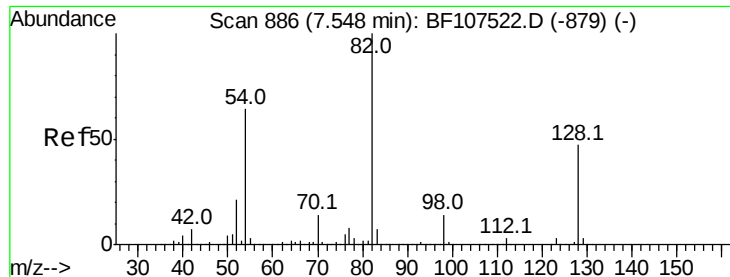
Abundance Ion 136.00 (135.70 to 136.70): E

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

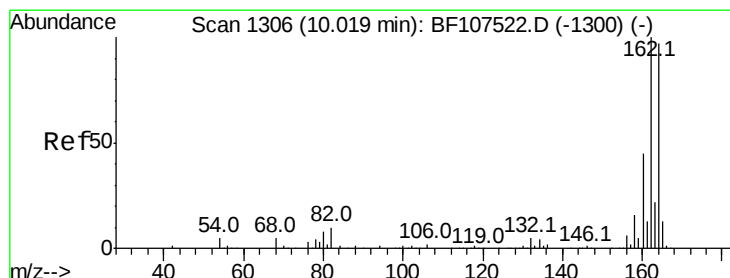
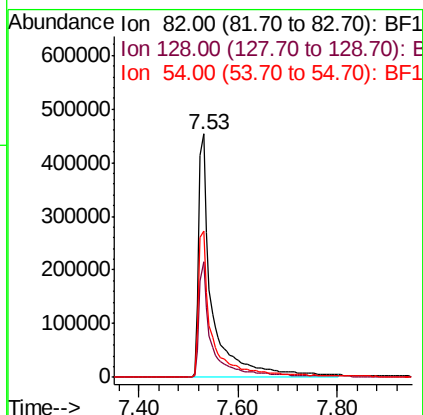
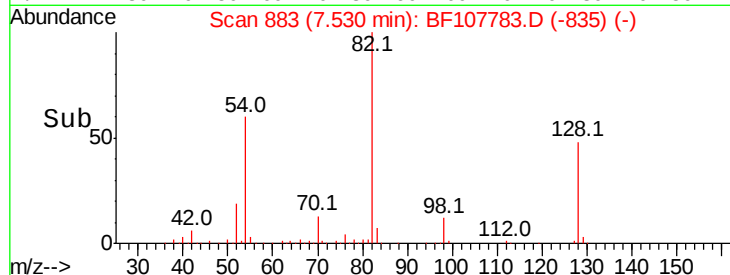
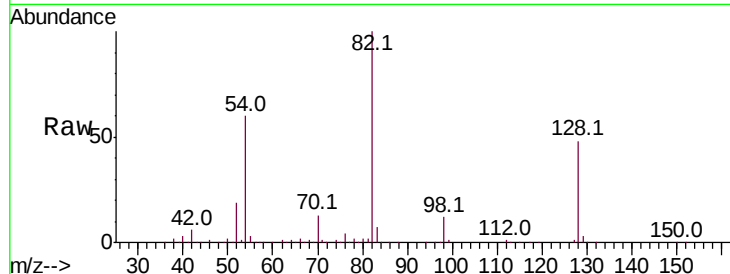




#23  
 Nitrobenzene-d5  
 Concen: 109.602 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.02 min  
 Lab File: BF107783.D  
 Acq: 28 Jul 2018 8:43

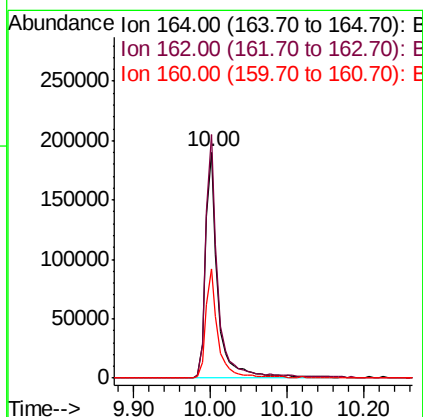
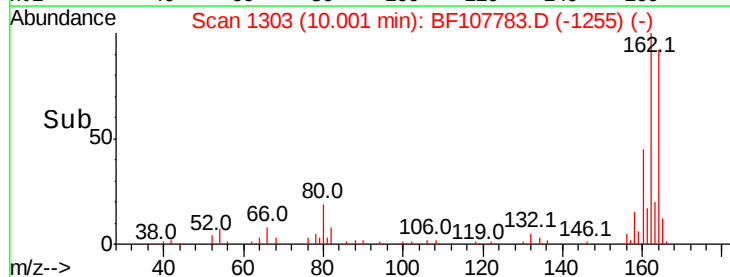
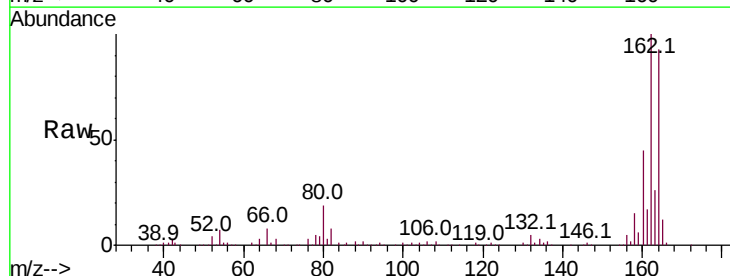
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-30

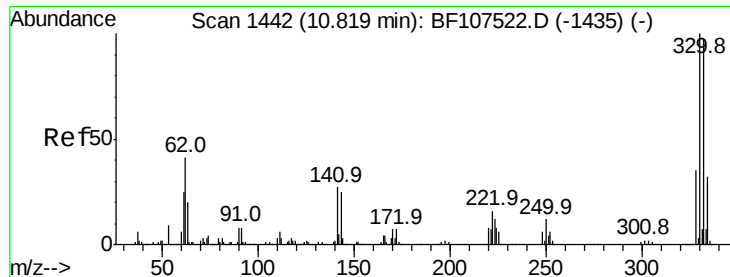
Tot Ion: 82 Resp: 860203  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 36.1 54.1  
 54 60.0 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.02 min  
 Lab File: BF107783.D  
 Acq: 28 Jul 2018 8:43

Tgt Ion:164 Resp: 213490  
 Ion Ratio Lower Upper  
 164 100  
 162 107.9 86.1 129.1  
 160 48.5 38.3 57.5

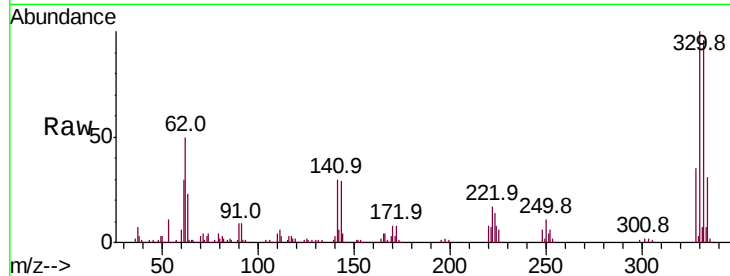




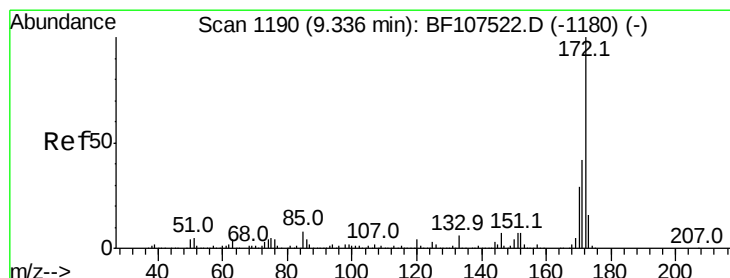
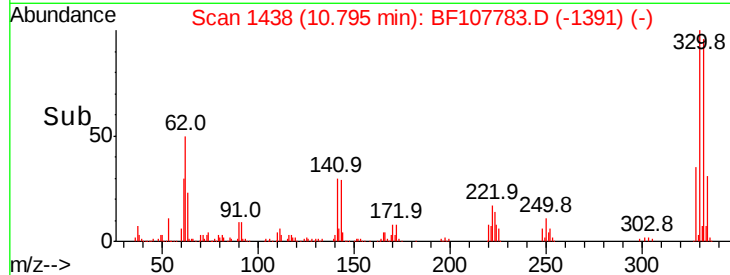
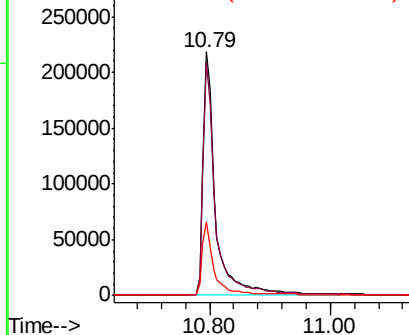
#41  
 2,4,6-Tribromophenol  
 Concen: 130.337 ng  
 RT: 10.79 min Scan# 1438  
 Delta R.T. -0.02 min  
 Lab File: BF107783.D  
 Acq: 28 Jul 2018 8:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-30

Tot Ion:330 Resp: 316420  
 Ion Ratio Lower Upper  
 330 100  
 332 92.3 77.0 115.6  
 141 28.1 29.9 44.9#

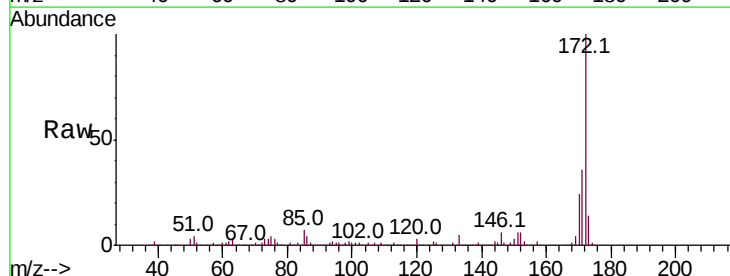


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

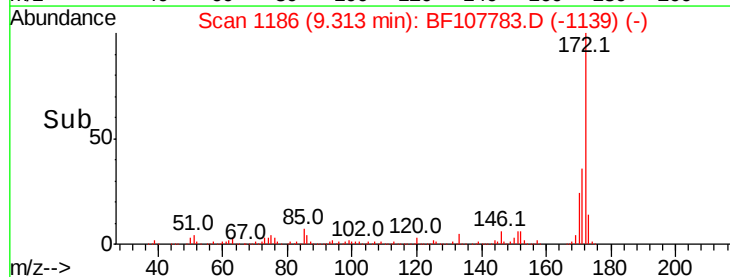
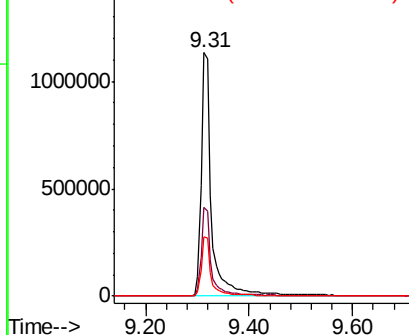


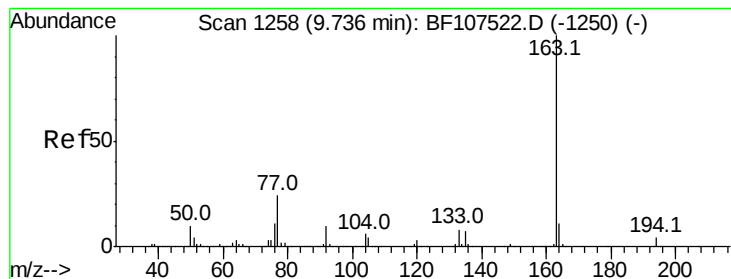
#44  
 2-Fluorobiphenyl  
 Concen: 164.810 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.02 min  
 Lab File: BF107783.D  
 Acq: 28 Jul 2018 8:43

Tgt Ion:172 Resp: 1586108  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 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





#49

Dimethylphthalate

Concen: 2.483 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

Instrument :

BNA\_F

ClientSampleId :

MW-30

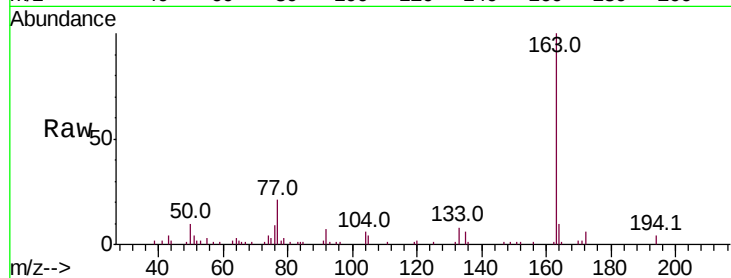
Tot Ion:163 Resp: 39946

Ion Ratio Lower Upper

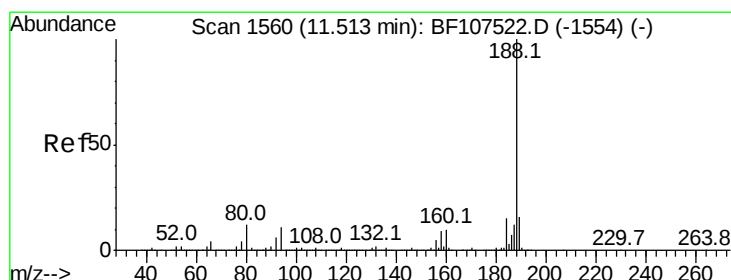
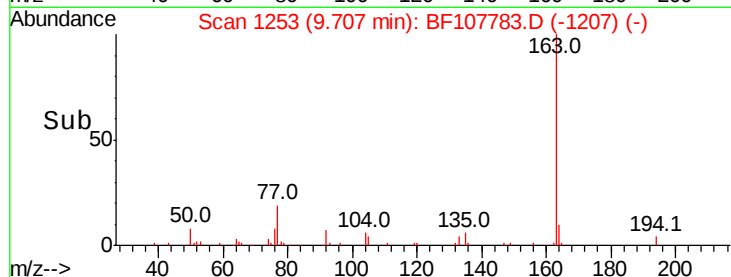
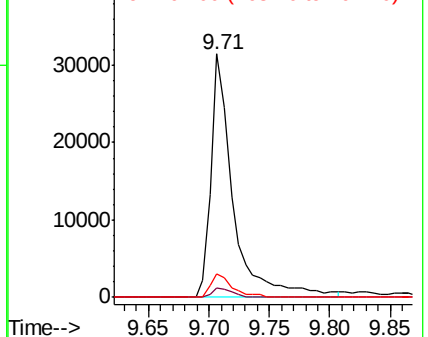
163 100

194 3.9 2.7 4.1

164 9.8 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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

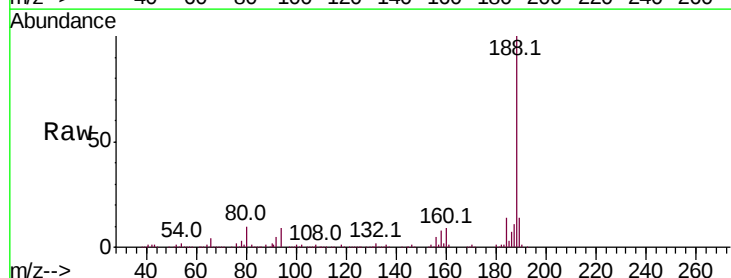
Tgt Ion:188 Resp: 367373

Ion Ratio Lower Upper

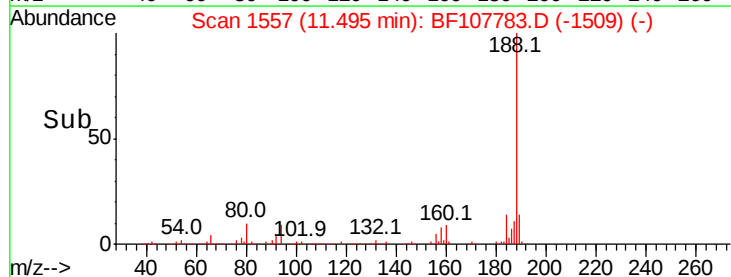
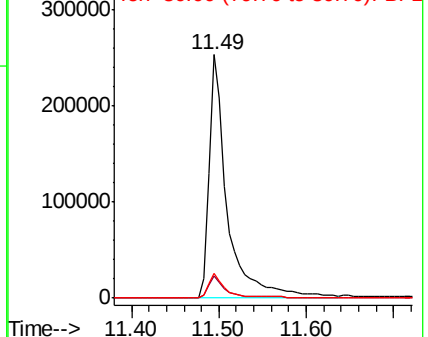
188 100

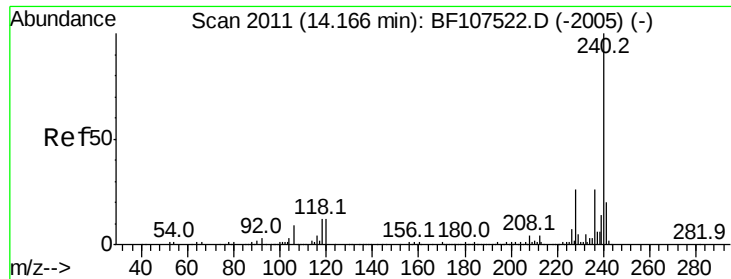
94 9.1 8.5 12.7

80 10.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

Instrument :

BNA\_F

ClientSampleId :

MW-30

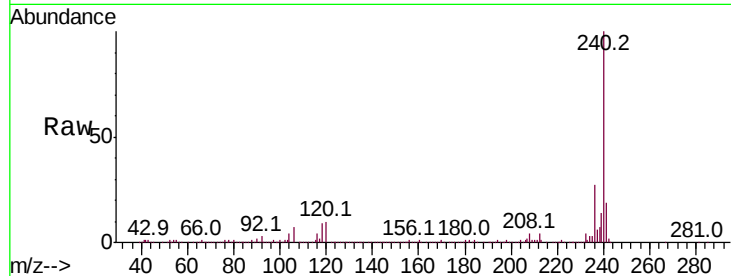
Tot Ion:240 Resp: 389964

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

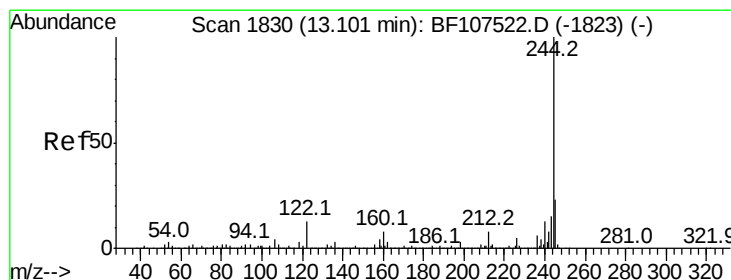
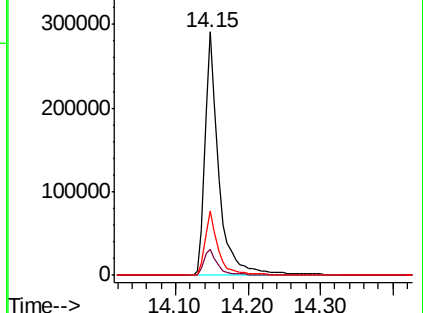
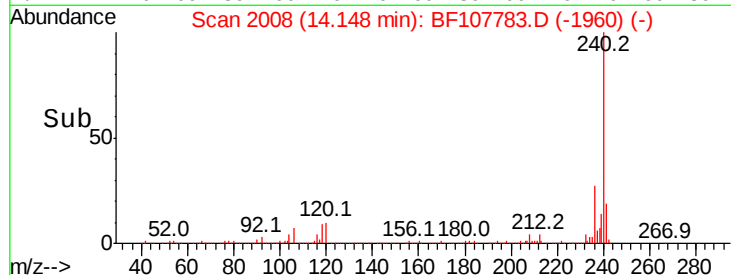
236 26.6 20.7 31.1



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: 89.527 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107783.D

Acq: 28 Jul 2018 8:43

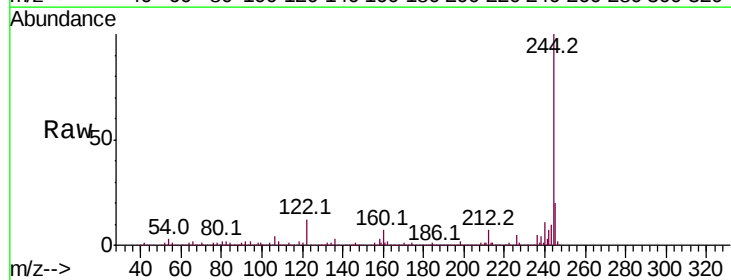
Tgt Ion:244 Resp: 1363721

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

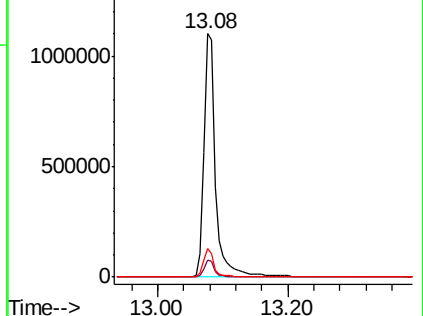
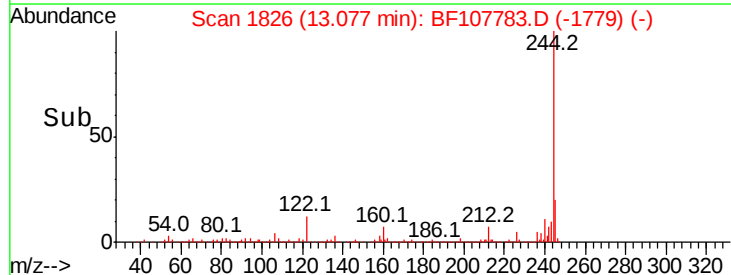
122 11.8 11.0 16.4

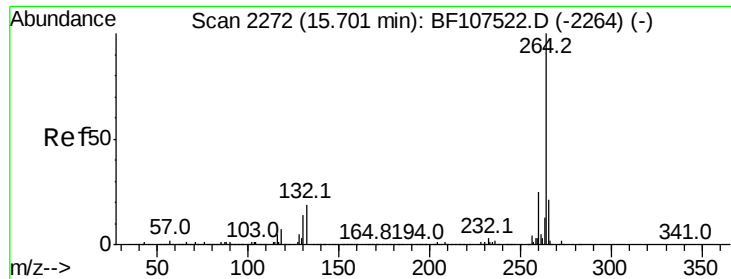


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.02 min  
Lab File: BF107783.D  
Acq: 28 Jul 2018 8:43

Instrument :  
BNA\_F  
ClientSampleId :  
MW-30

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 20.5  | 17.5  | 26.3  |

