

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107738.D  
 Acq On : 27 Jul 2018 9:56  
 Operator : JU/SJ  
 Sample : J4142-03  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7

Quant Time: Jul 27 12:20:28 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

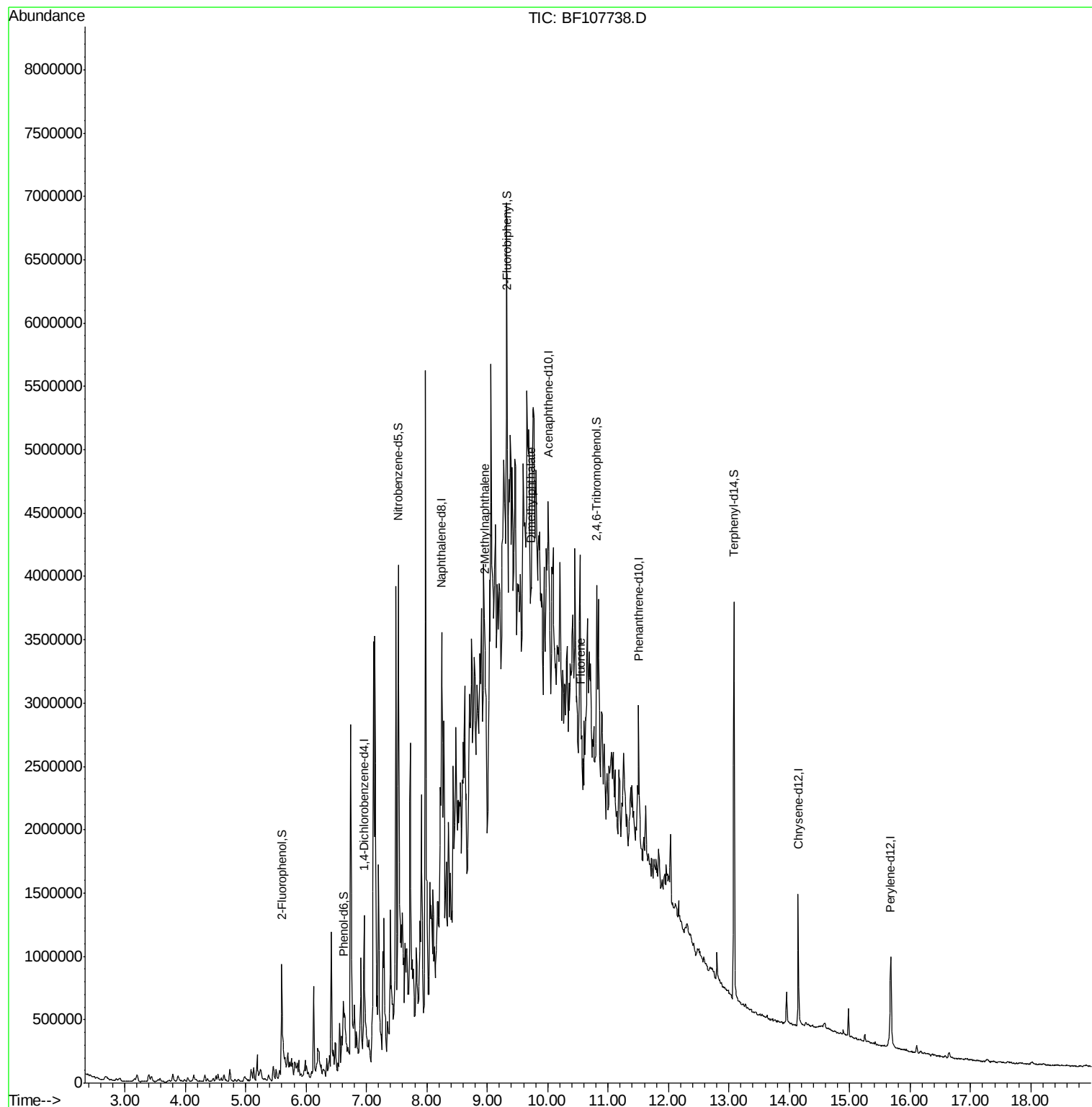
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 183986   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.25  | 136  | 658614   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.01 | 164  | 304605   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.51 | 188  | 464557   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 430228   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 461594   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 526941   | 46.05  | ng    | -0.01    |
| 7) Phenol-d6                | 6.61  | 99   | 472884   | 34.42  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 919729   | 94.24  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 413103   | 119.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1585396  | 90.81  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 1316708  | 78.35  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 37) 2-Methylnaphthalene     | 8.96  | 142  | 49051    | 2.444  | ng    | # 61     |
| 49) Dimethylphthalate       | 9.72  | 163  | 134345   | 5.852  | ng    | # 69     |
| 57) Fluorene                | 10.56 | 166  | 50426    | 2.515  | ng    | # 91     |

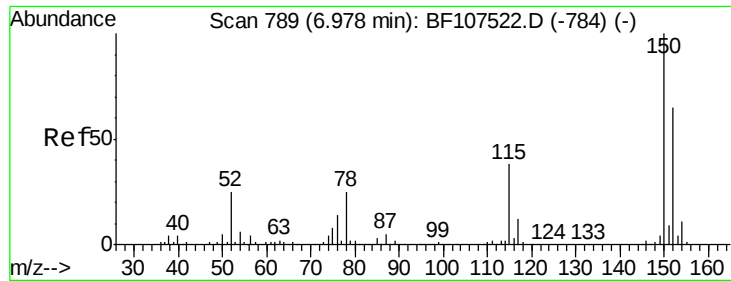
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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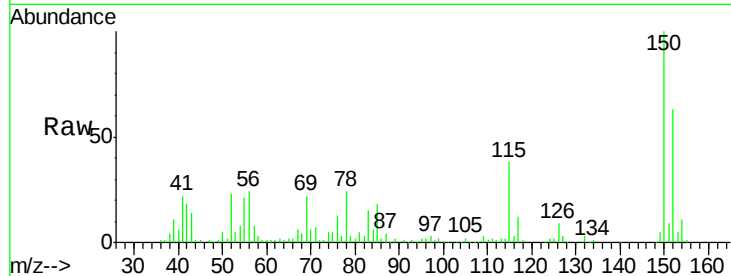


#1

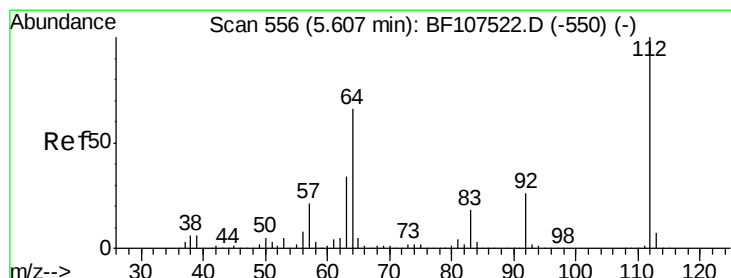
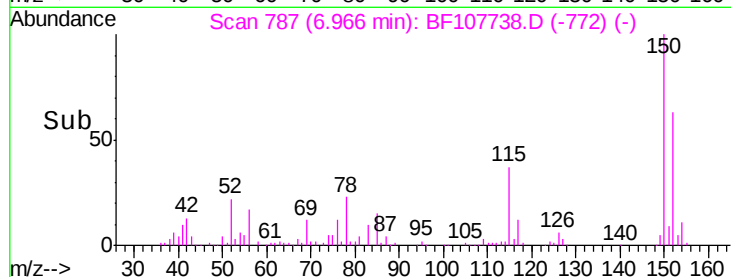
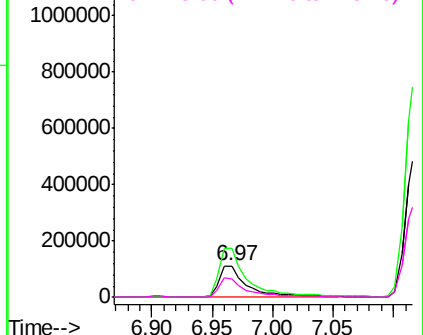
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7

Tgt Ion:152 Resp: 183986  
 Ion Ratio Lower Upper  
 152 100  
 150 158.1 124.6 186.8  
 115 59.5 50.1 75.1



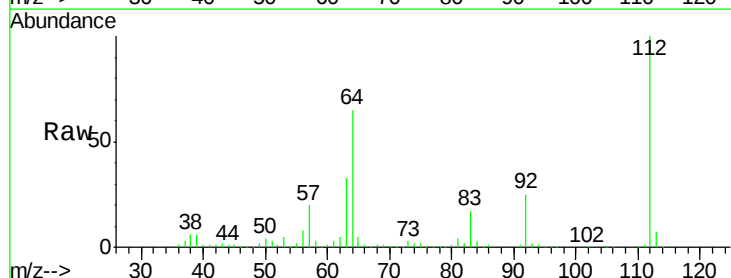
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



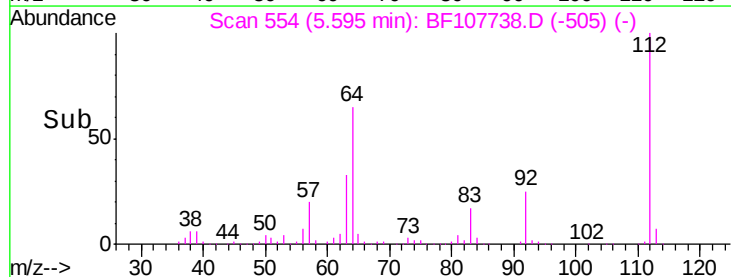
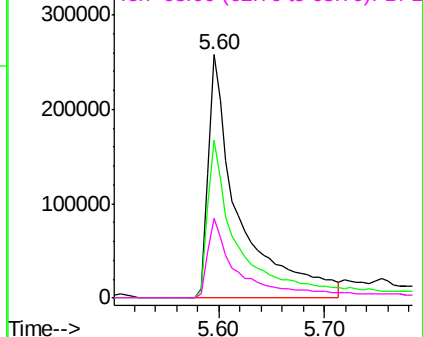
#5

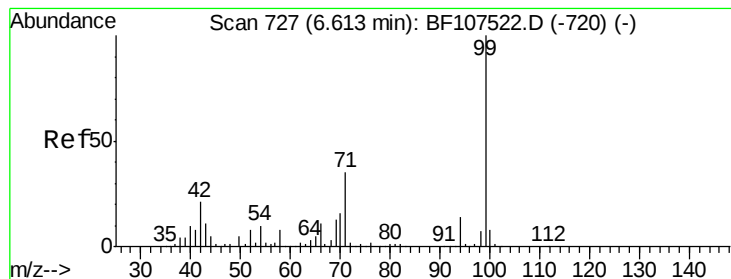
2-Fluorophenol  
 Concen: 46.048 ng  
 RT: 5.60 min Scan# 554  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

Tgt Ion:112 Resp: 526941  
 Ion Ratio Lower Upper  
 112 100  
 64 64.8 47.9 71.9  
 63 32.9 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: 34.416 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA\_F

ClientSampleId :

MW-7

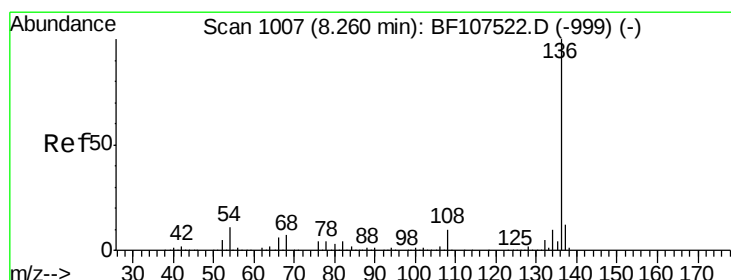
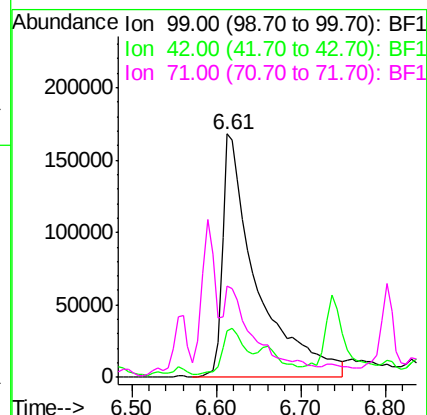
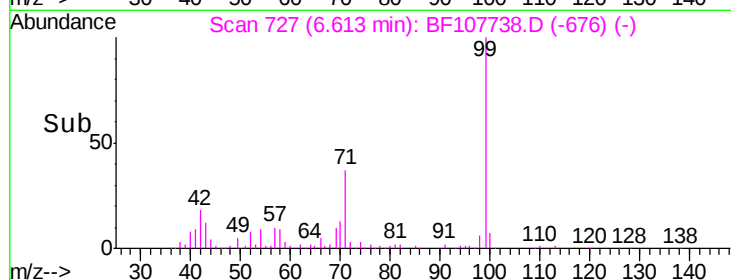
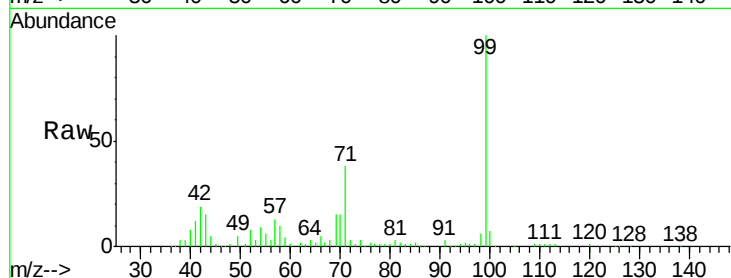
Tgt Ion: 99 Resp: 472884

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 37.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Tgt Ion: 136 Resp: 658614

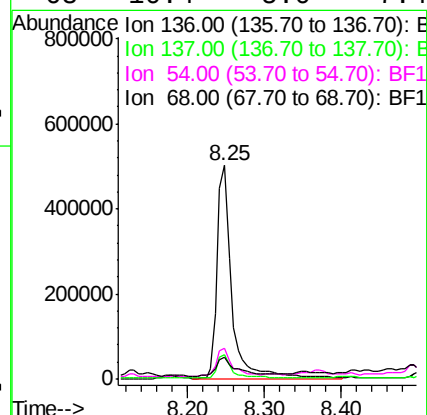
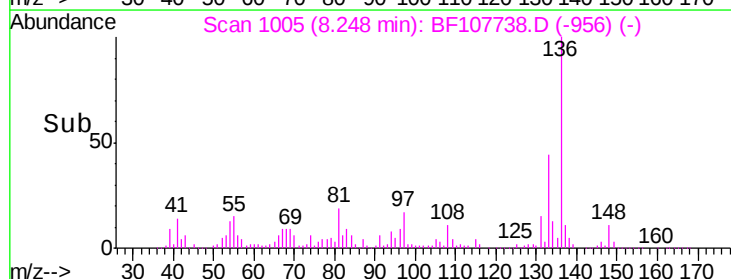
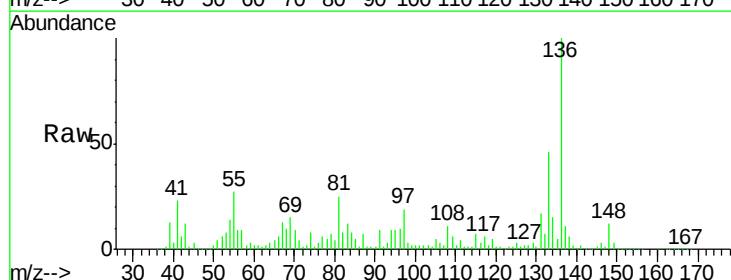
Ion Ratio Lower Upper

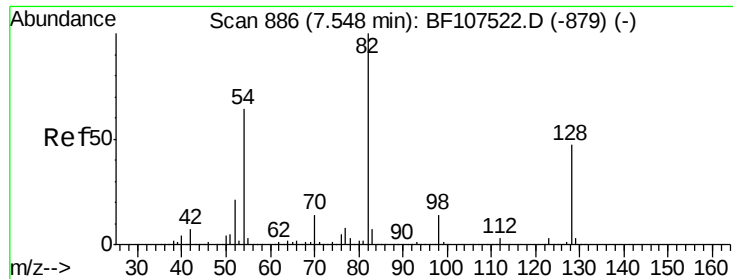
136 100

137 11.5 8.9 13.3

54 14.4 6.6 9.8#

68 10.4 5.0 7.4#

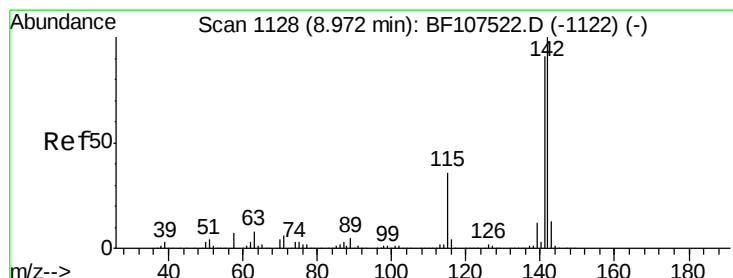
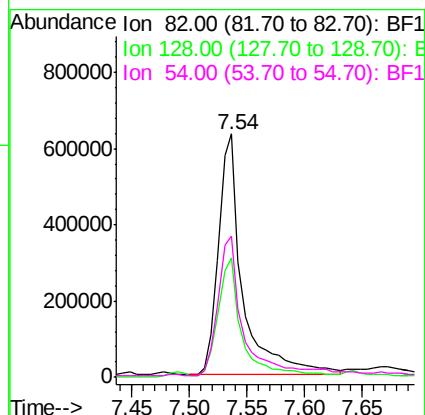
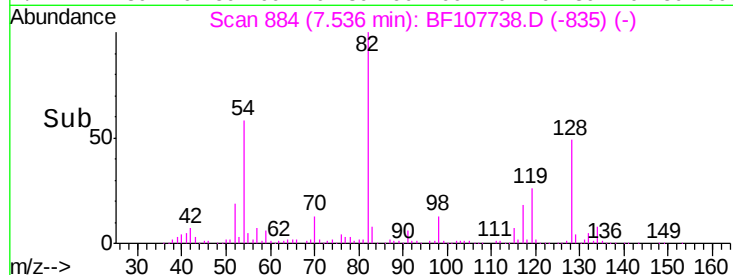
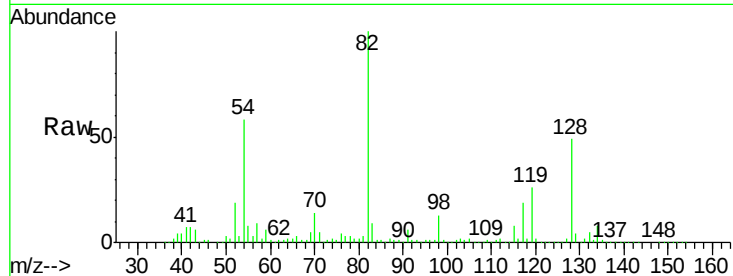




#23  
 Nitrobenzene-d5  
 Concen: 94.244 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

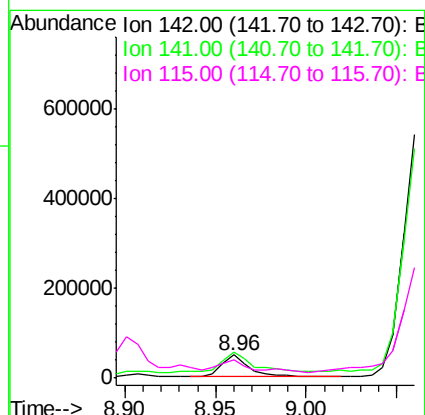
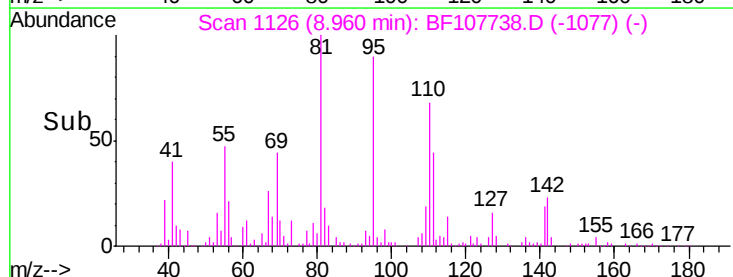
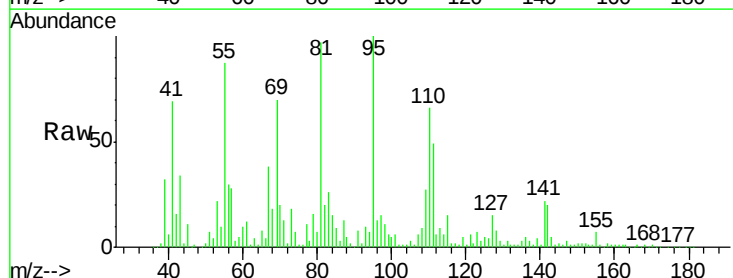
Instrument :  
 BNA\_F  
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 MW-7

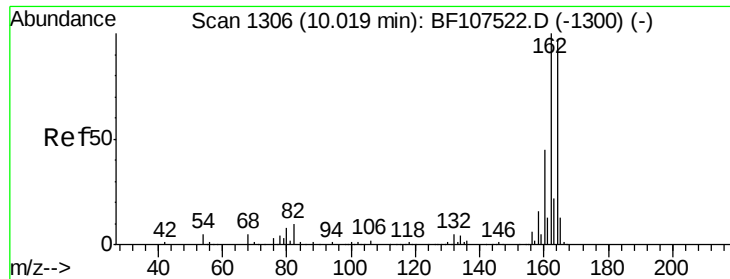
Tgt Ion: 82 Resp: 919729  
 Ion Ratio Lower Upper  
 82 100  
 128 49.0 36.1 54.1  
 54 58.0 41.4 62.2



#37  
 2-Methylnaphthalene  
 Concen: 2.444 ng  
 RT: 8.96 min Scan# 1126  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

Tgt Ion: 142 Resp: 49051  
 Ion Ratio Lower Upper  
 142 100  
 141 111.0 70.8 106.2#  
 115 77.1 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA\_F

ClientSampleId :

MW-7

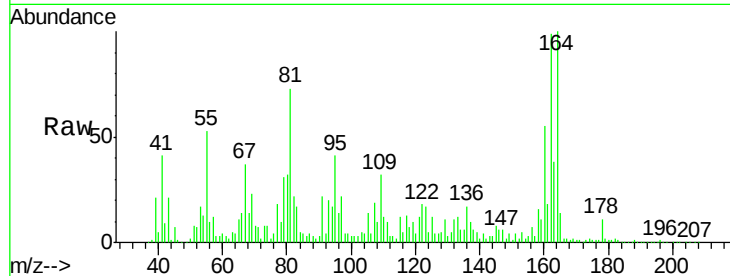
Tgt Ion:164 Resp: 304605

Ion Ratio Lower Upper

164 100

162 99.0 86.1 129.1

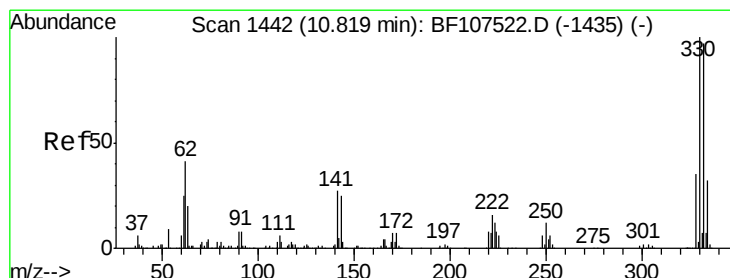
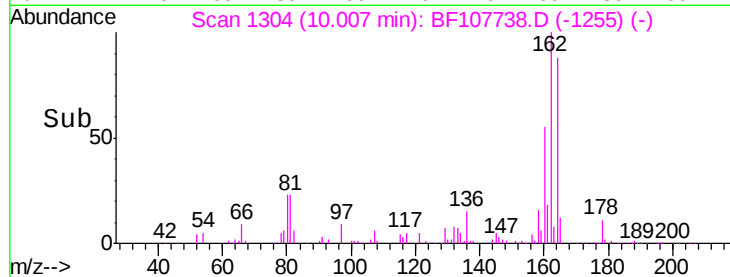
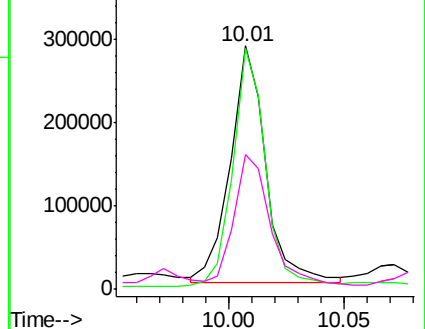
160 55.1 38.3 57.5



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: 119.262 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

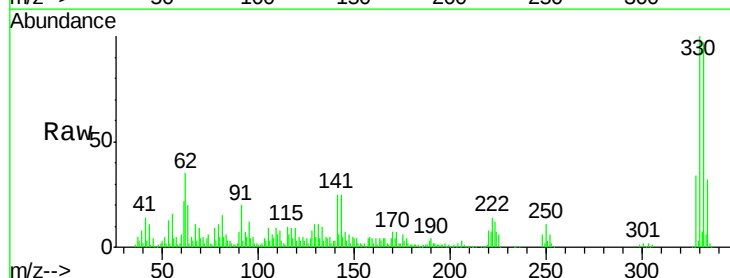
Tgt Ion:330 Resp: 413103

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

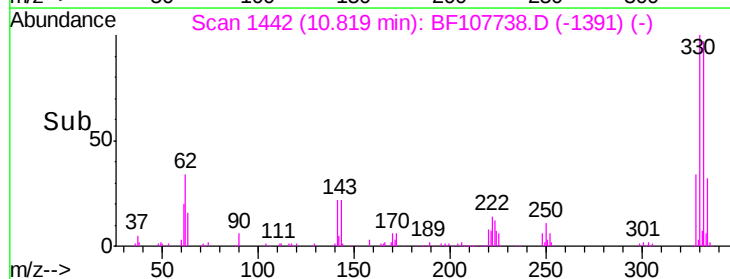
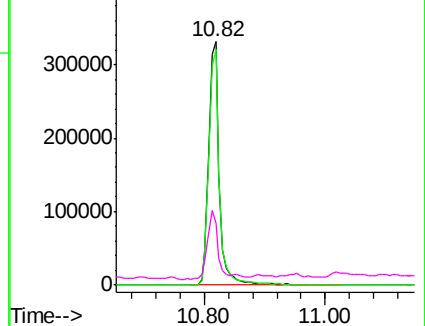
141 26.6 29.9 44.9#

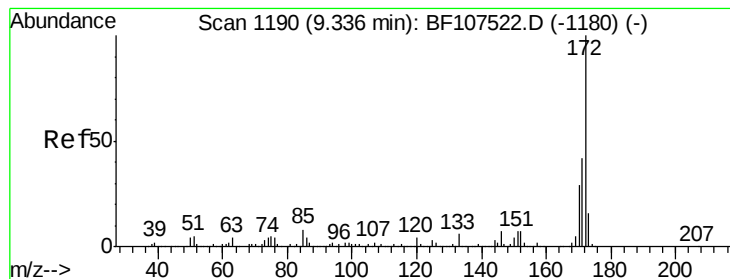


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

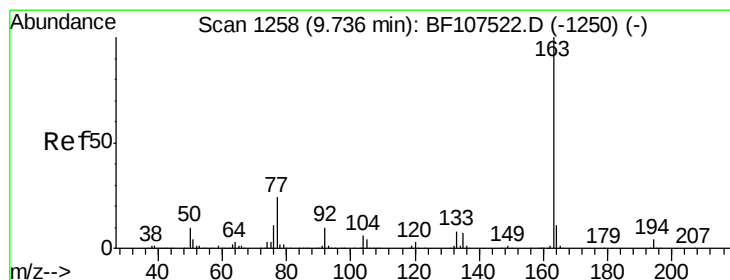
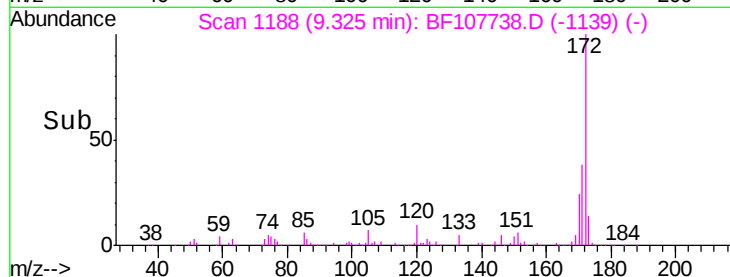
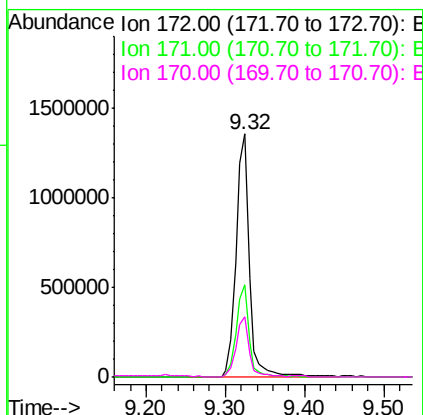
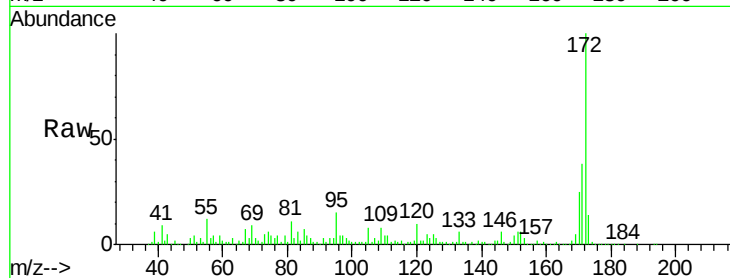




#44  
 2-Fluorobiphenyl  
 Concen: 90.808 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

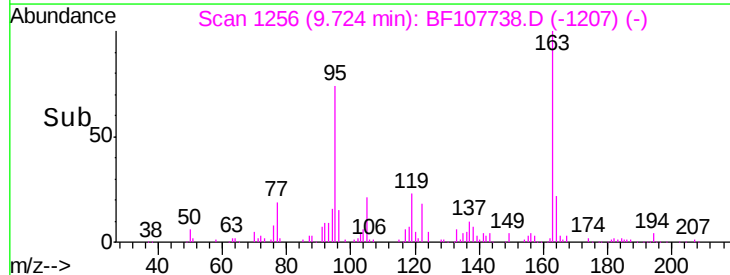
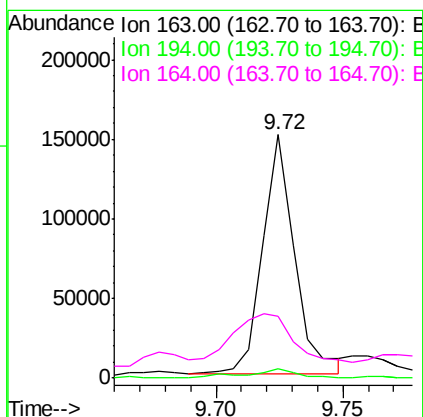
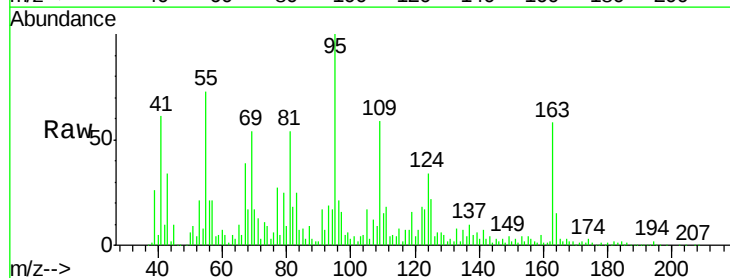
Instrument :  
 BNA\_F  
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 MW-7

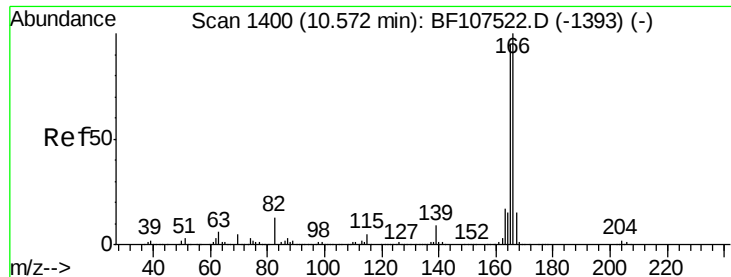
Tgt Ion:172 Resp: 1585396  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 29.7 44.5  
 170 24.7 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 5.852 ng  
 RT: 9.72 min Scan# 1256  
 Delta R.T. -0.01 min  
 Lab File: BF107738.D  
 Acq: 27 Jul 2018 9:56

Tgt Ion:163 Resp: 134345  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 2.7 4.1#  
 164 25.2 8.2 12.2#





#57

Fluorene

Concen: 2.515 ng

RT: 10.56 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA\_F

ClientSampleId :

MW-7

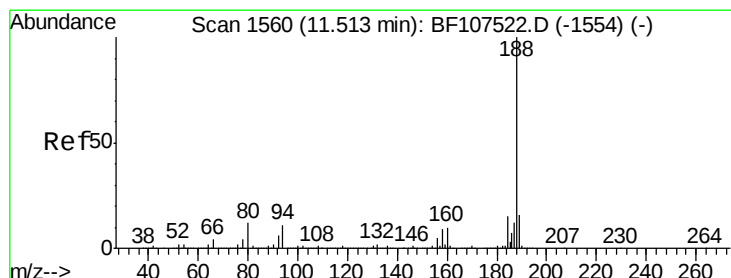
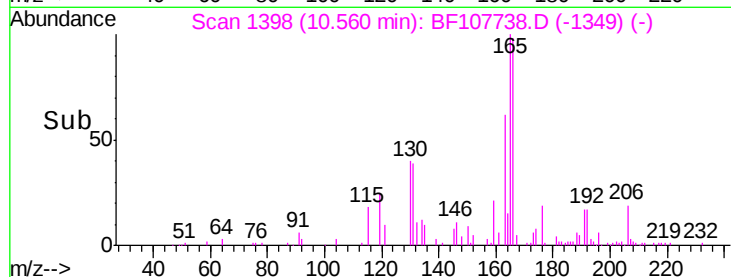
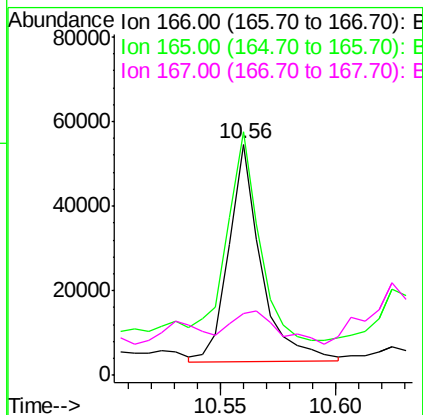
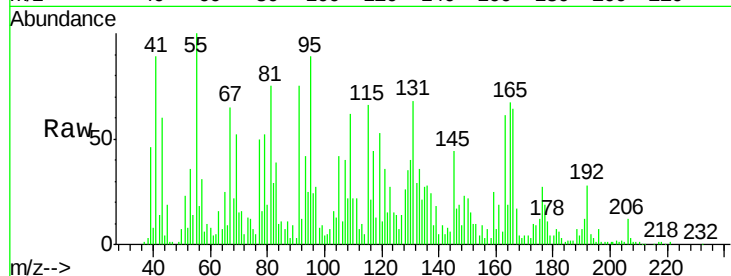
Tgt Ion:166 Resp: 50426

Ion Ratio Lower Upper

166 100

165 105.3 79.8 119.8

167 27.0 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

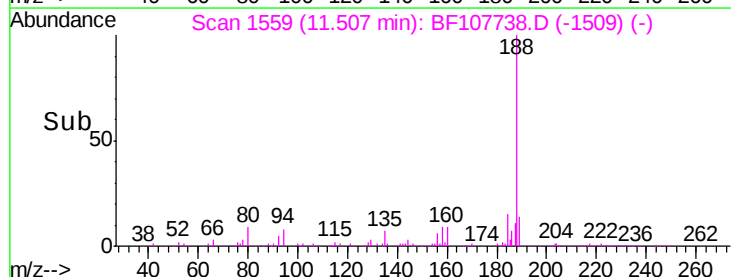
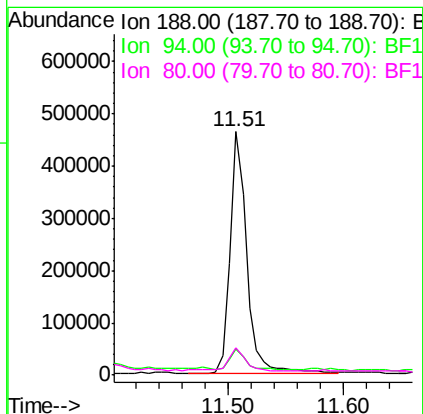
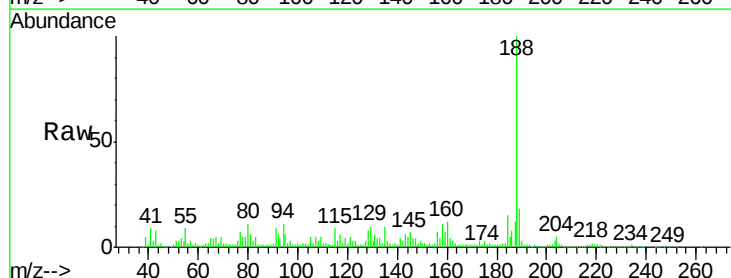
Tgt Ion:188 Resp: 464557

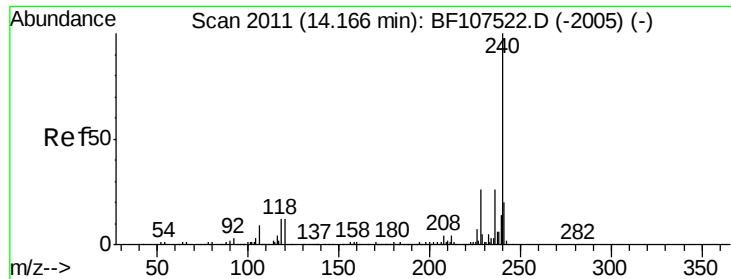
Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

80 11.3 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA\_F

ClientSampleId :

MW-7

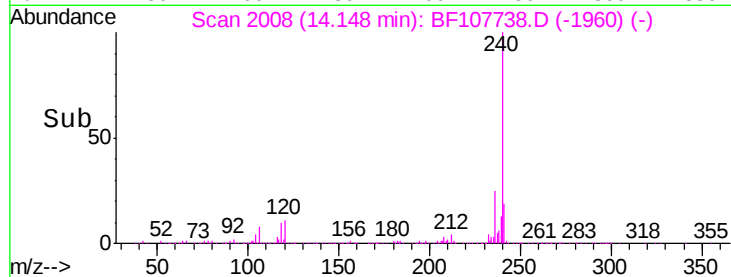
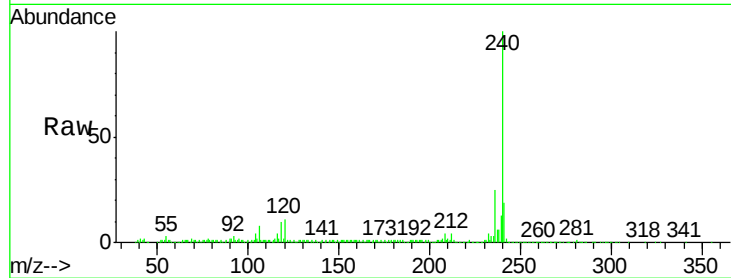
Tgt Ion:240 Resp: 430228

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

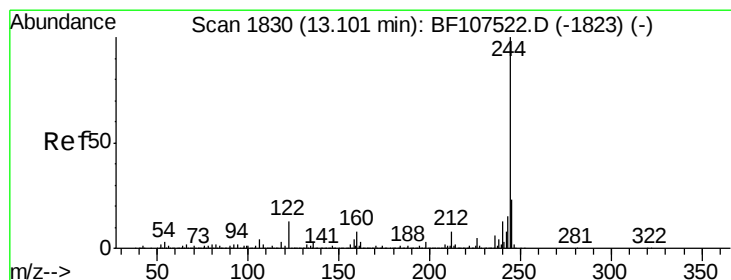
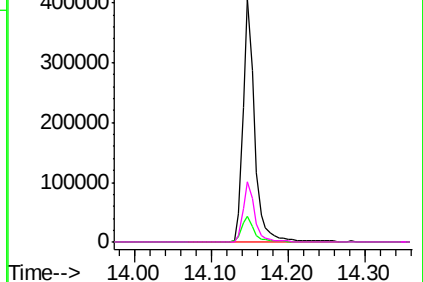
236 25.0 20.7 31.1



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: 78.351 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

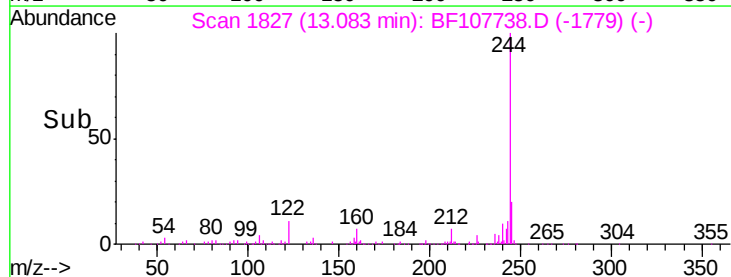
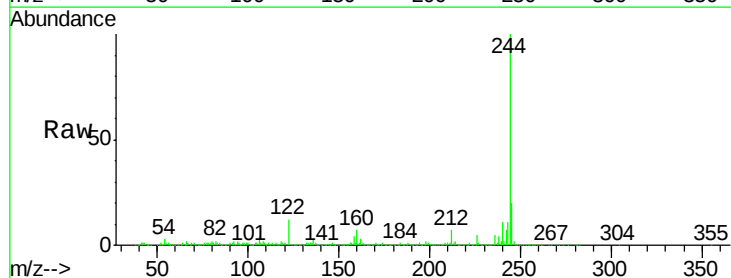
Tgt Ion:244 Resp: 1316708

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

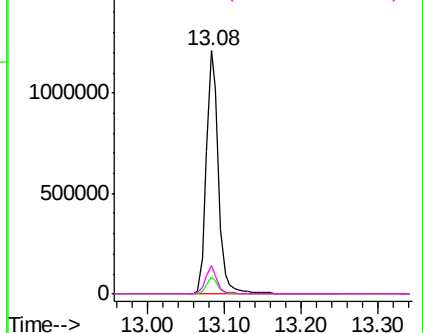
122 11.8 11.0 16.4

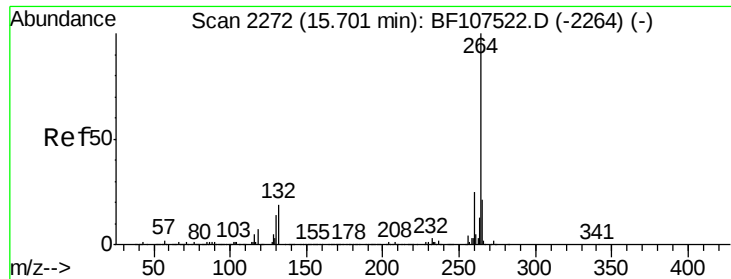


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

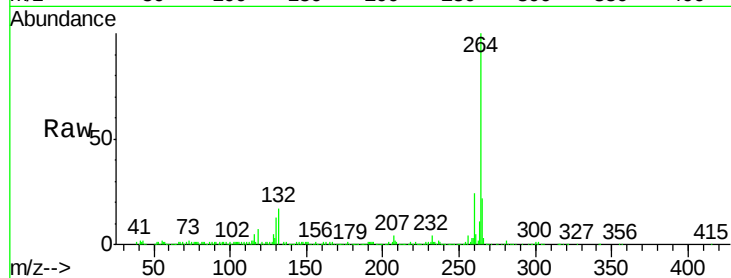




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2268  
Delta R.T. -0.02 min  
Lab File: BF107738.D  
Acq: 27 Jul 2018 9:56

Instrument :  
BNA\_F  
ClientSampleId :  
MW-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 22.4  | 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

