

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062018\  
 Data File : BF106625.D  
 Acq On : 20 Jun 2018 17:50  
 Operator : JU/SJ  
 Sample : PB110384BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110384BL

Quant Time: Jun 21 01:02:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 19 14:32:09 2018  
 Response via : Initial Calibration

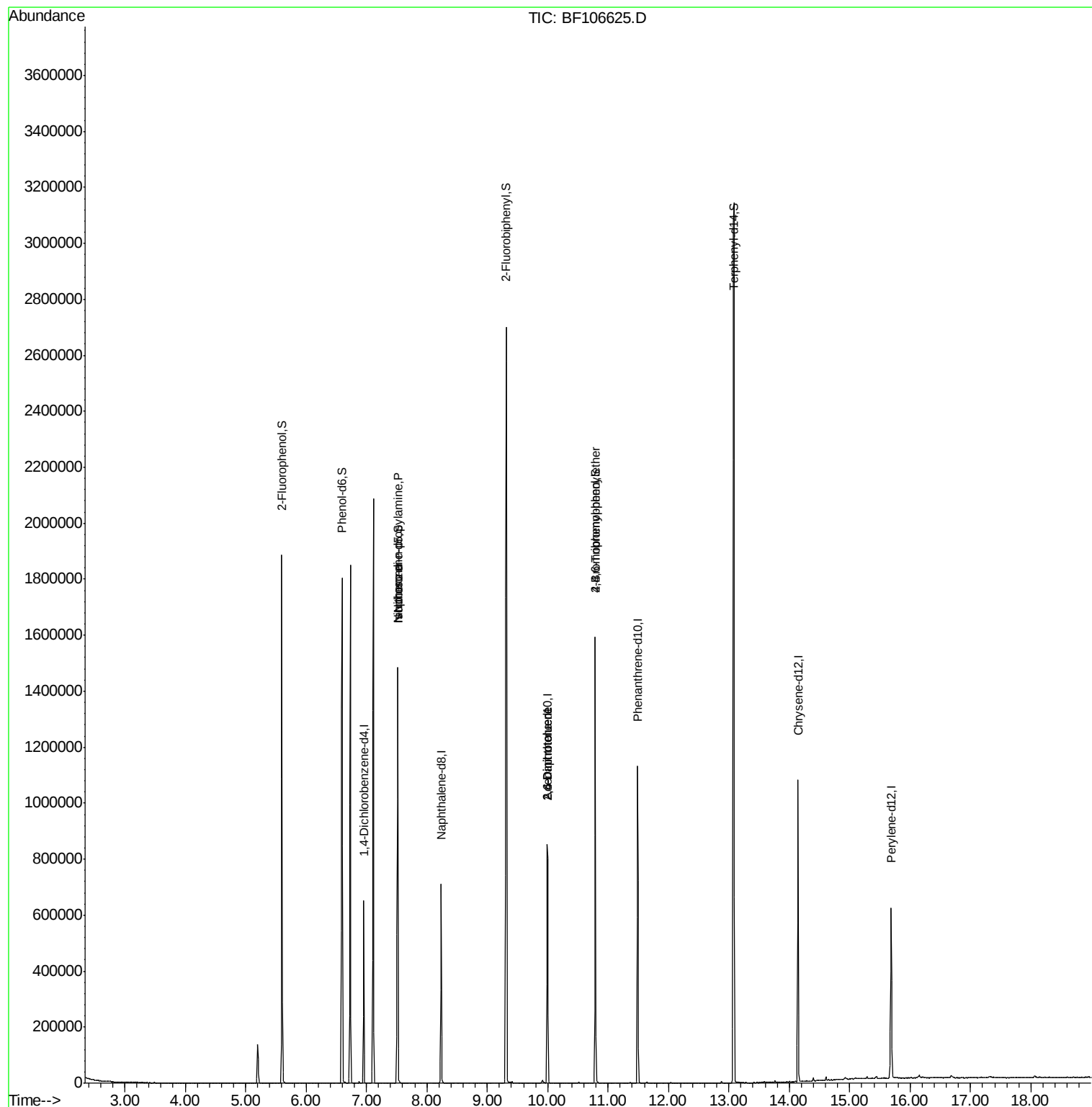
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 89886    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 352524   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 188979   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 407191   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.14 | 240  | 411184   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.68 | 264  | 318243   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 486595   | 91.67  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 608750   | 91.83  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 578138   | 91.14  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.79 | 330  | 223013   | 101.82 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 1037174  | 94.55  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 1400697  | 82.52  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 76816    | 17.579 | ng    | # 74     |
| 25) Isophorone                 | 7.52  | 82   | 578132   | 51.721 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 23550    | 7.847  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 23550    | 6.011  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 14539    | 2.992  | ng    | # 1      |

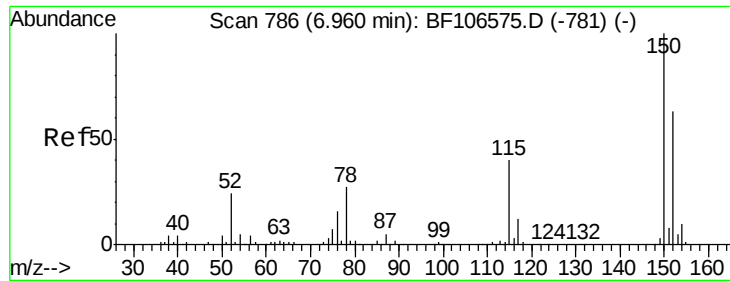
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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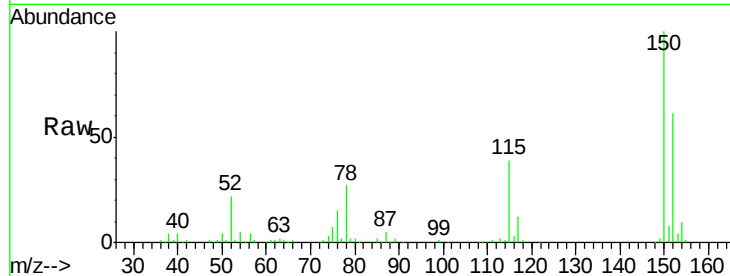




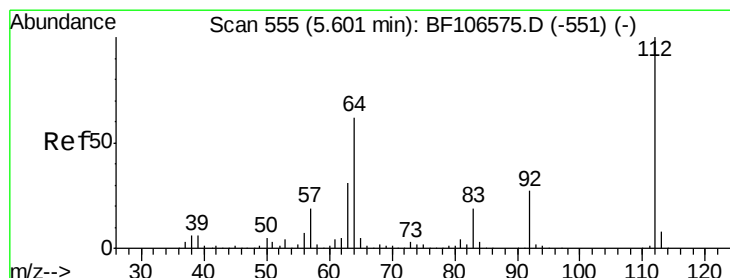
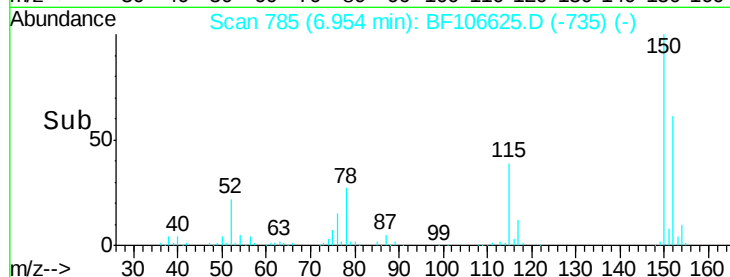
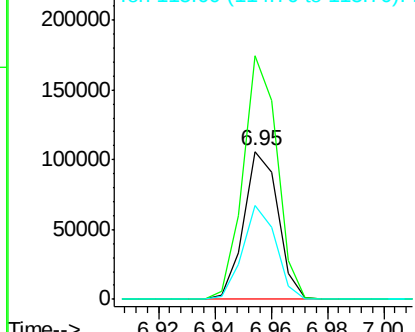
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110384BL

Tgt Ion:152 Resp: 89886  
 Ion Ratio Lower Upper  
 152 100  
 150 164.3 124.6 186.8  
 115 63.6 50.1 75.1

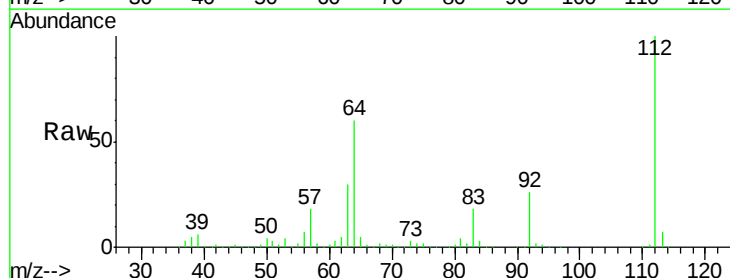


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

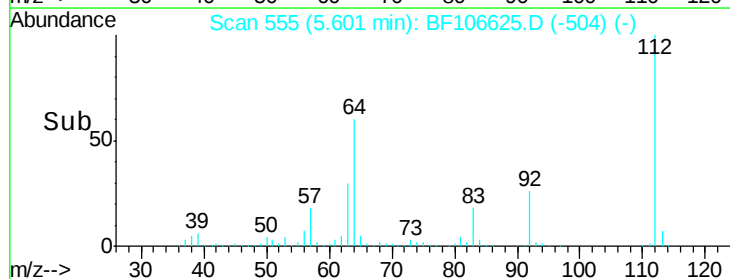
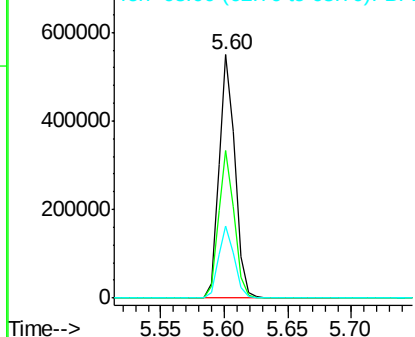


#5  
 2-Fluorophenol  
 Concen: 91.667 ng  
 RT: 5.60 min Scan# 555  
 Delta R.T. 0.00 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

Tgt Ion:112 Resp: 486595  
 Ion Ratio Lower Upper  
 112 100  
 64 60.5 47.9 71.9  
 63 29.6 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: 91.831 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

Instrument :

BNA\_F

ClientSampleId :

PB110384BL

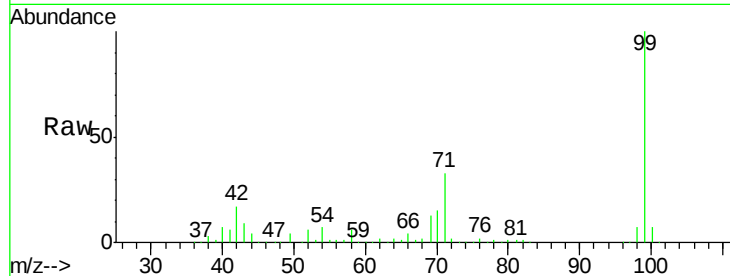
Tgt Ion: 99 Resp: 608750

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

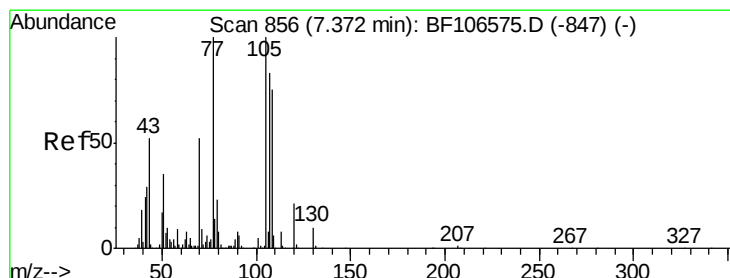
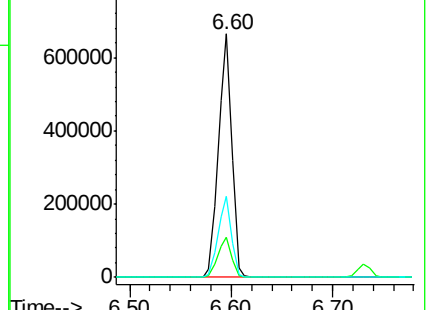
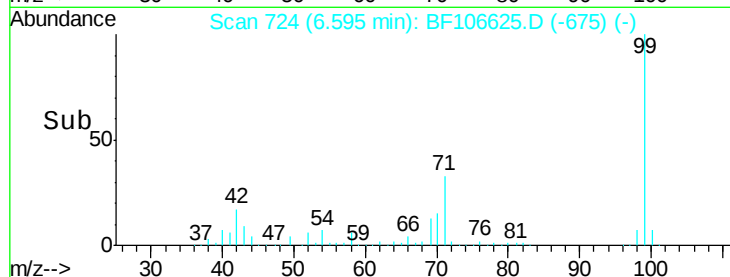
71 33.3 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.579 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

Tgt Ion: 70 Resp: 76816

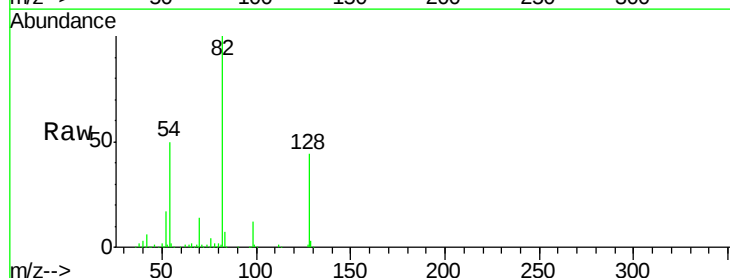
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

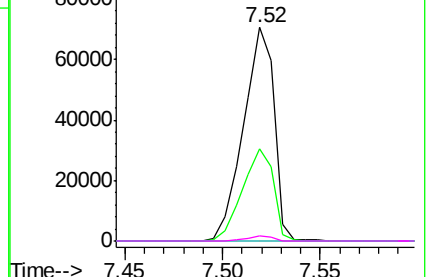
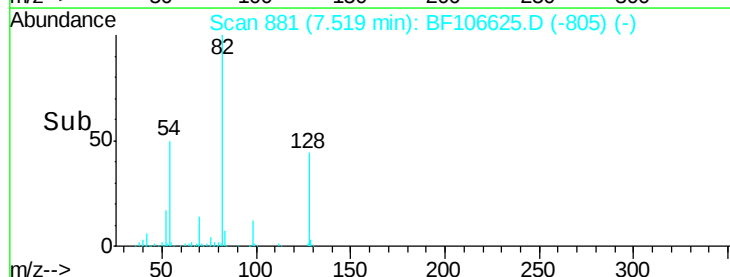


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

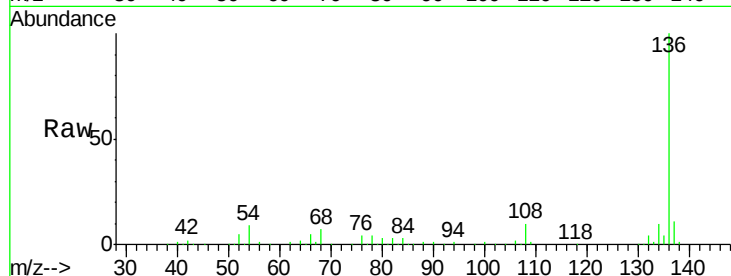




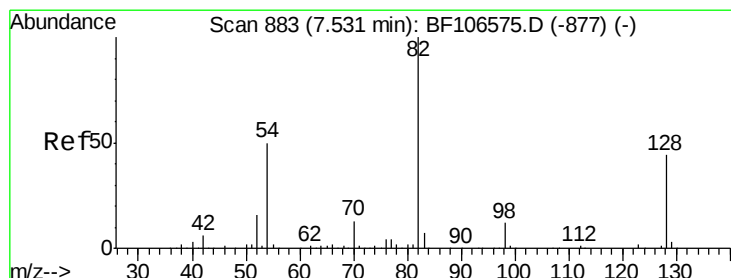
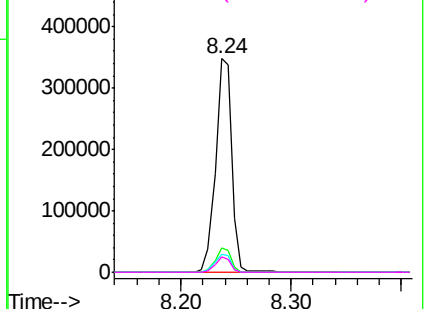
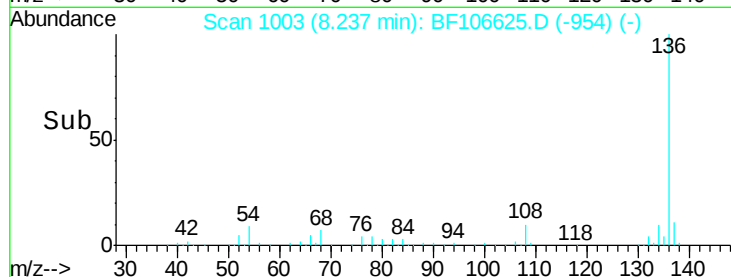
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF106625.D  
Acq: 20 Jun 2018 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB110384BL

Tgt Ion: 136 Resp: 352524  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.9 13.3  
54 8.7 6.6 9.8  
68 7.4 5.0 7.4

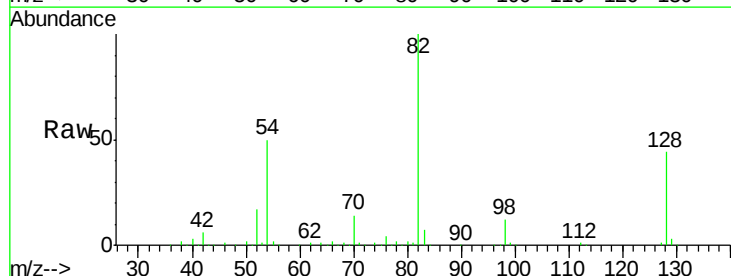


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

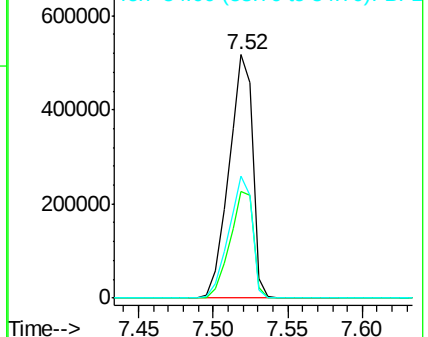
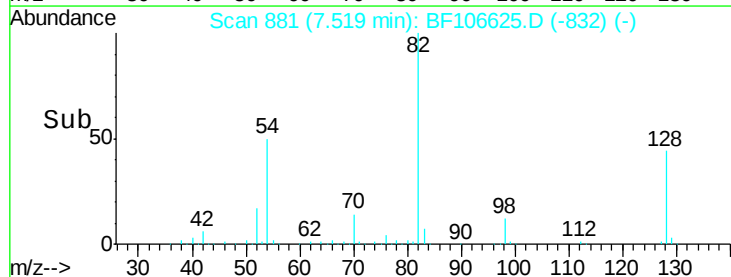


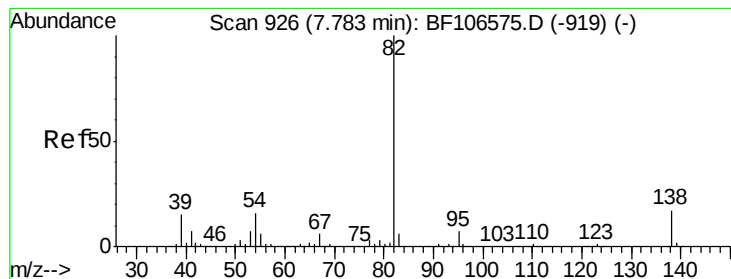
#23  
Nitrobenzene-d5  
Concen: 91.140 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF106625.D  
Acq: 20 Jun 2018 17:50

Tgt Ion: 82 Resp: 578138  
Ion Ratio Lower Upper  
82 100  
128 43.6 36.1 54.1  
54 50.2 41.4 62.2



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





#25

Isophorone

Concen: 51.721 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

Instrument :

BNA\_F

ClientSampleId :

PB110384BL

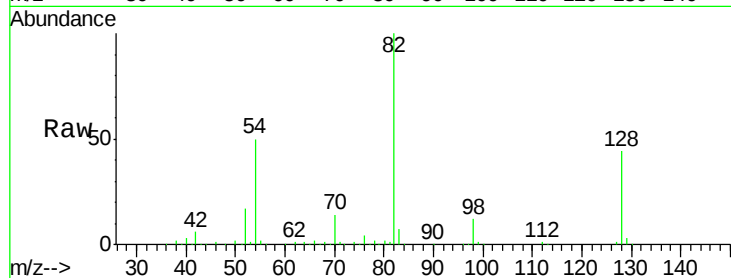
Tgt Ion: 82 Resp: 578132

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

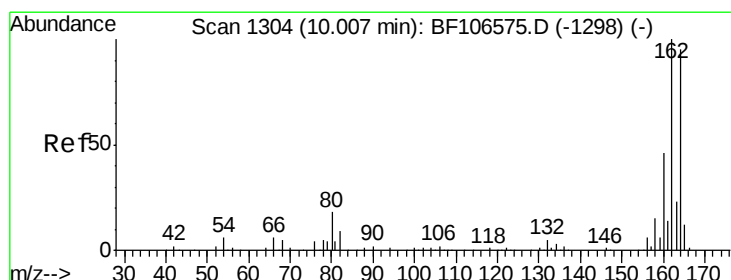
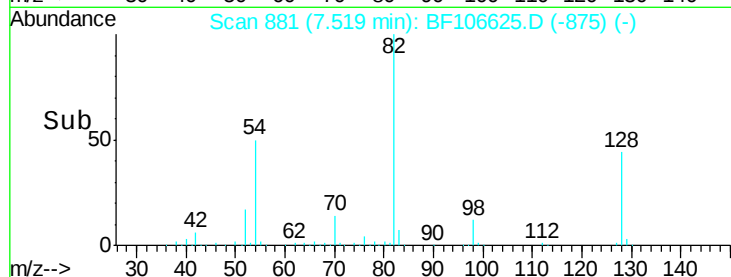
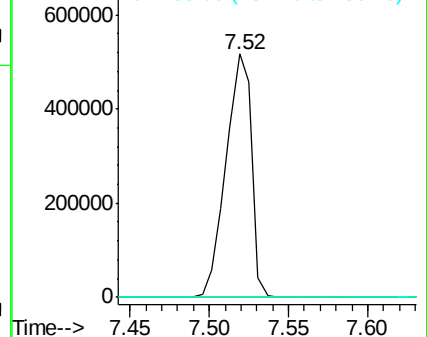
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

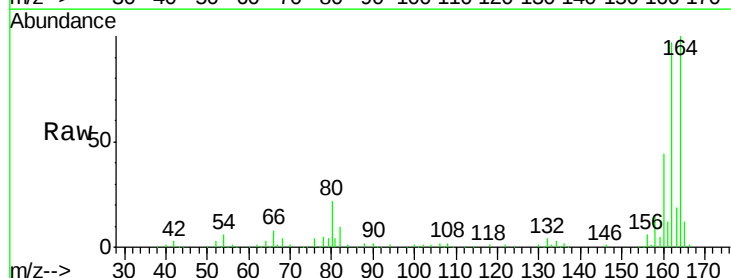
Tgt Ion: 164 Resp: 188979

Ion Ratio Lower Upper

164 100

162 96.7 86.1 129.1

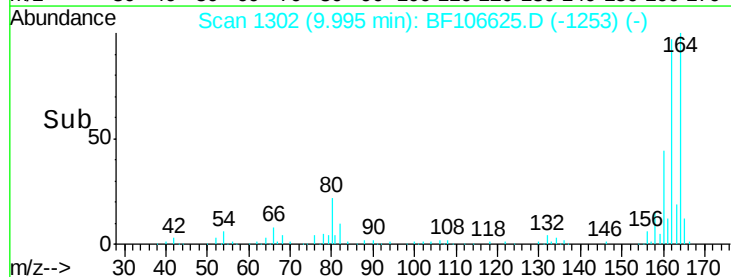
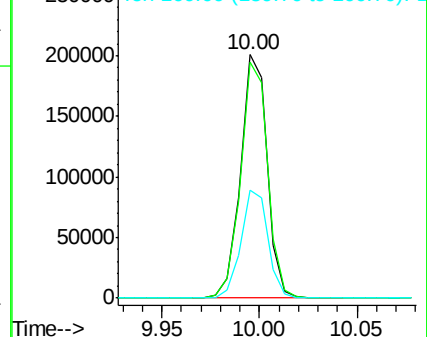
160 44.1 38.3 57.5



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

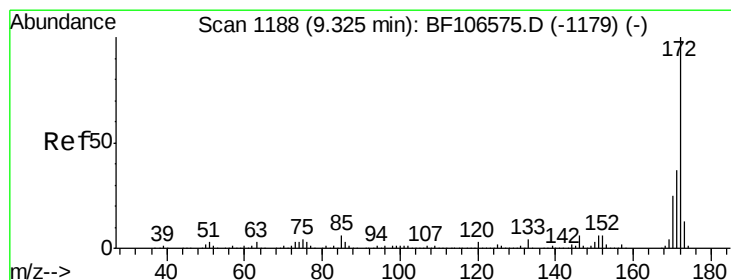
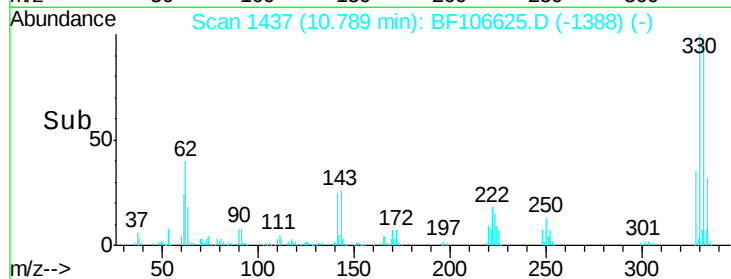
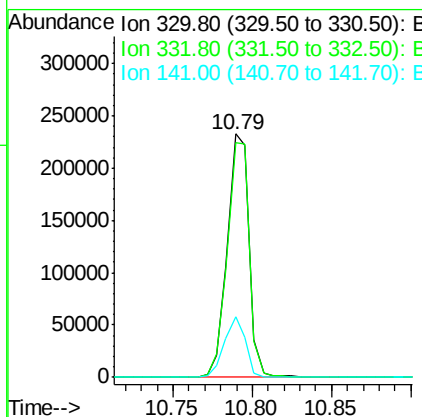
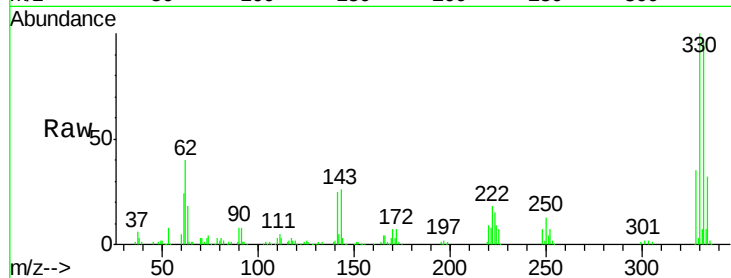




#41  
 2,4,6-Tribromophenol  
 Concen: 101.818 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

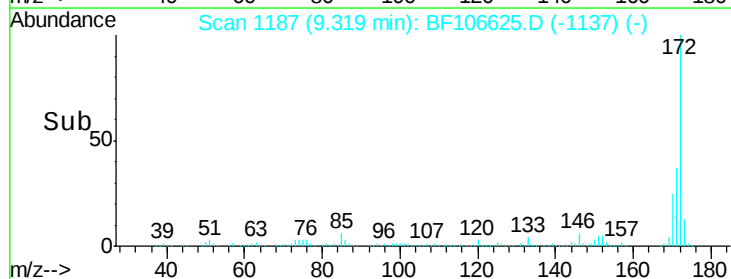
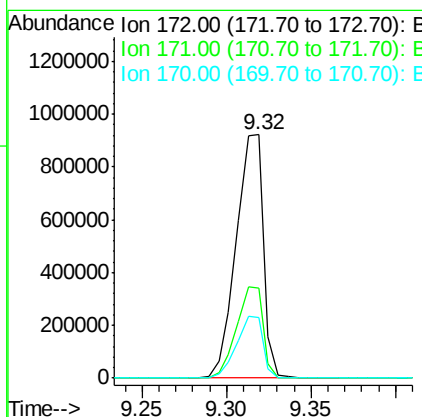
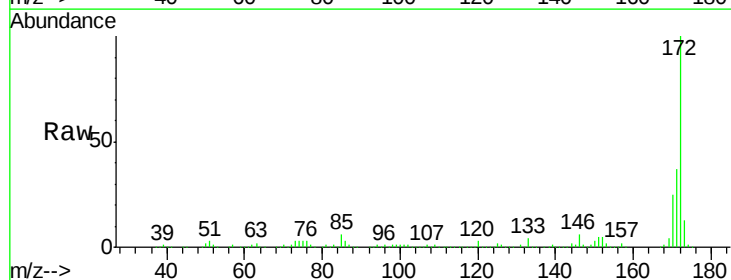
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110384BL

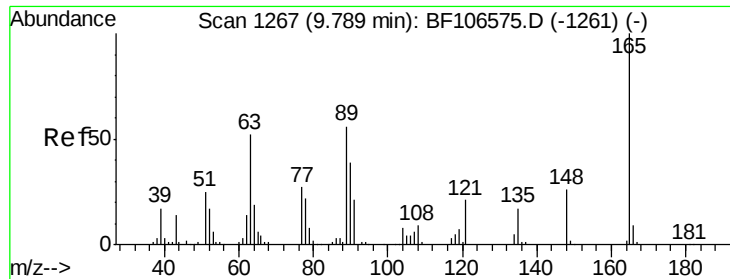
Tgt Ion:330 Resp: 223013  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.0 115.6  
 141 24.3 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 94.555 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

Tgt Ion:172 Resp: 1037174  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 29.7 44.5  
 170 24.7 19.6 29.4

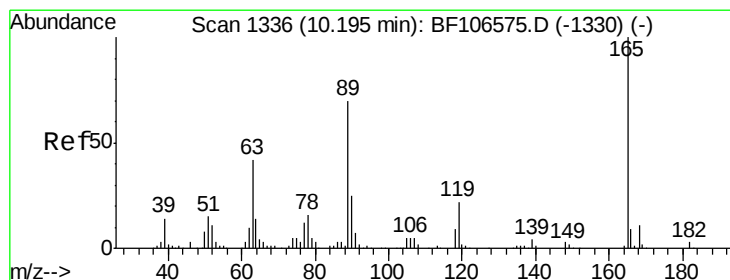
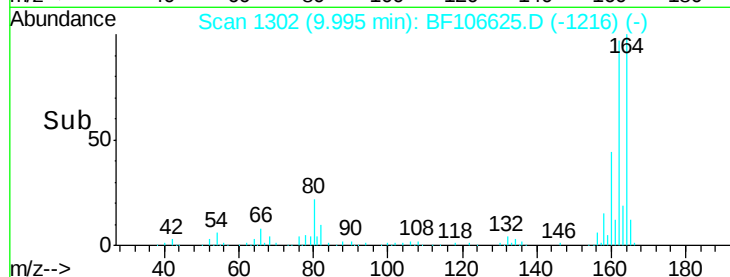
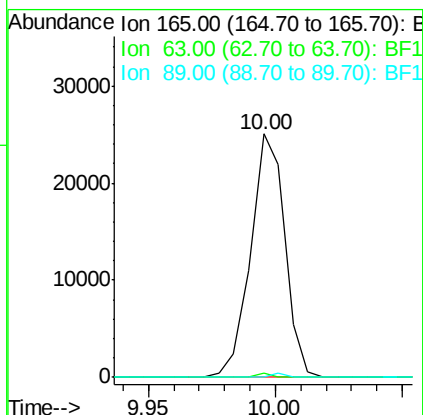
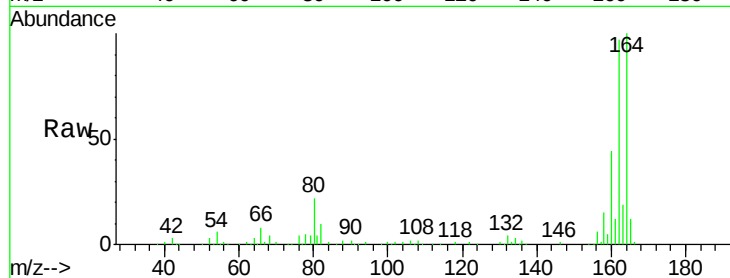




#50  
 2,6-Dinitrotoluene  
 Concen: 7.847 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. 0.21 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

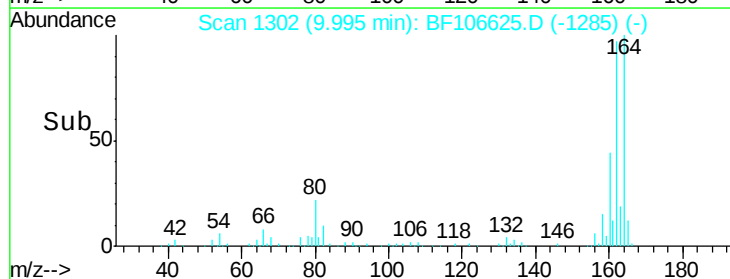
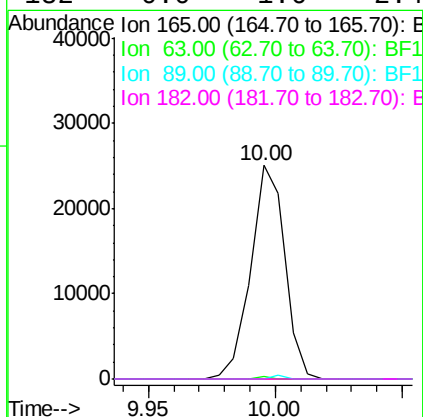
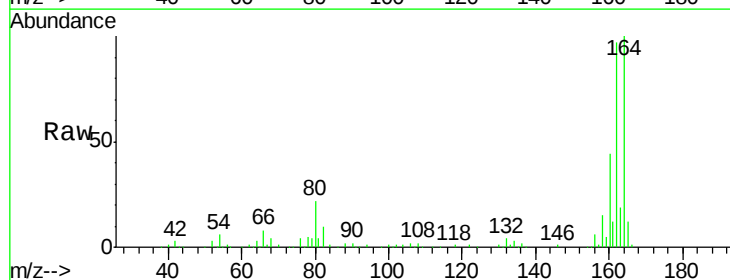
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110384BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.011 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.20 min  
 Lab File: BF106625.D  
 Acq: 20 Jun 2018 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

Instrument :

BNA\_F

ClientSampleId :

PB110384BL

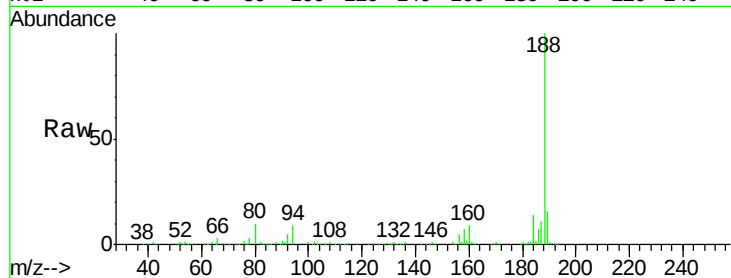
Tgt Ion:188 Resp: 407191

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

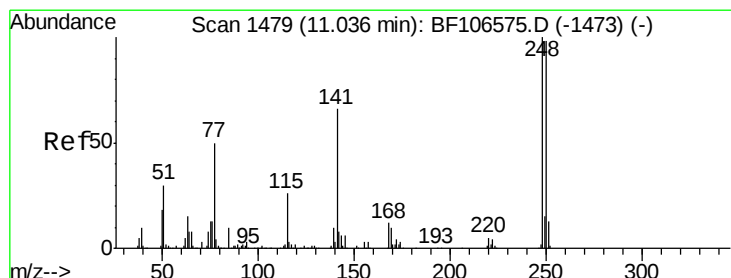
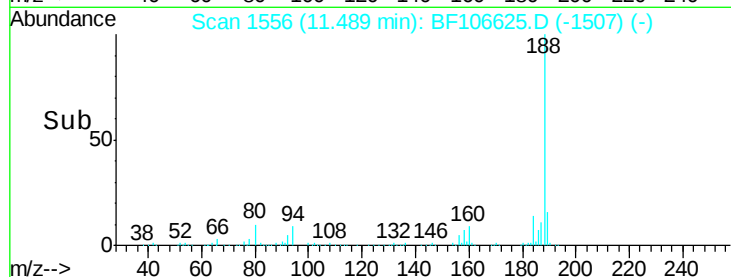
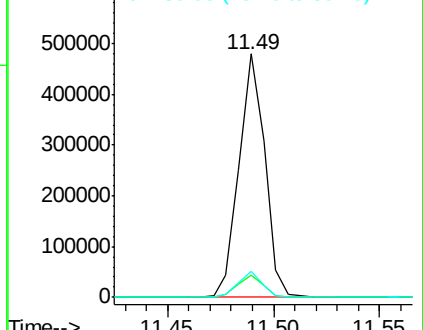
80 10.4 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.992 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

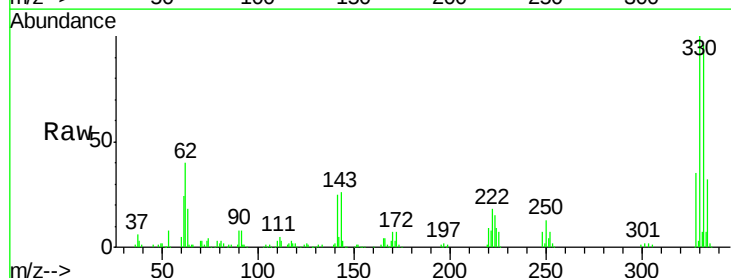
Tgt Ion:248 Resp: 14539

Ion Ratio Lower Upper

248 100

250 191.7 76.9 115.3#

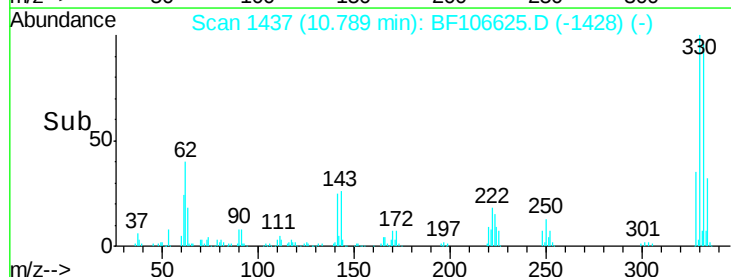
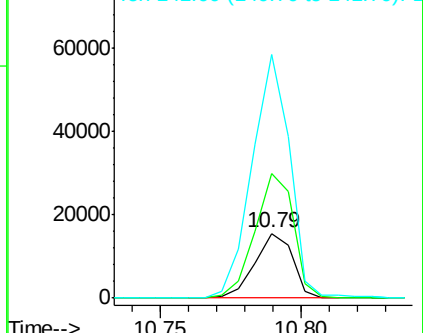
141 375.1 74.4 111.6#

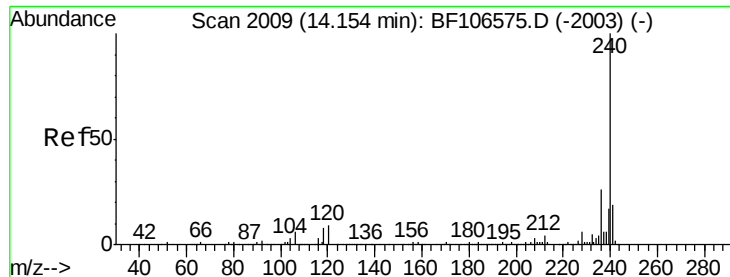


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

Instrument :

BNA\_F

ClientSampleId :

PB110384BL

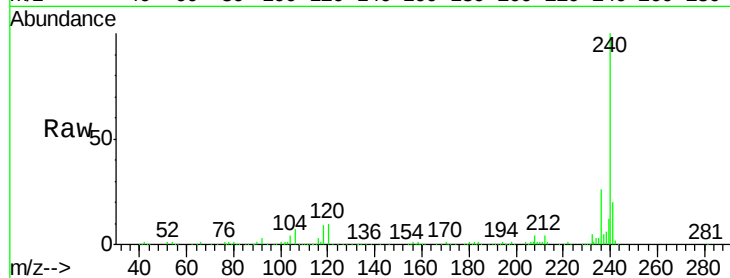
Tgt Ion:240 Resp: 411184

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

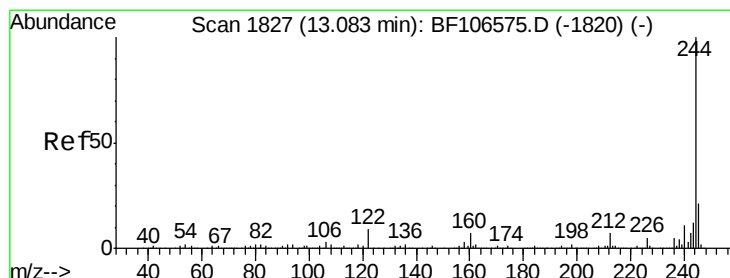
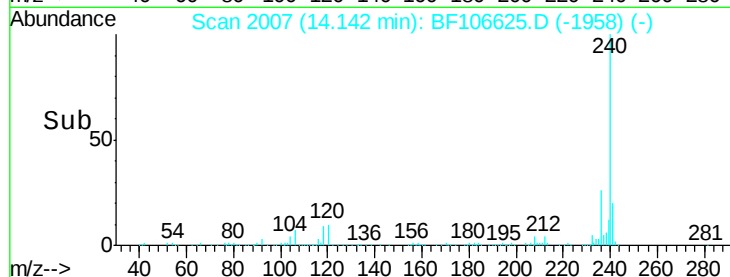
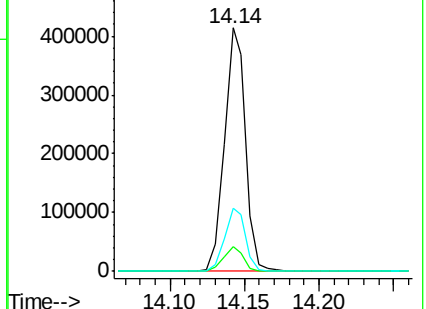
236 26.2 20.7 31.1



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: 82.516 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106625.D

Acq: 20 Jun 2018 17:50

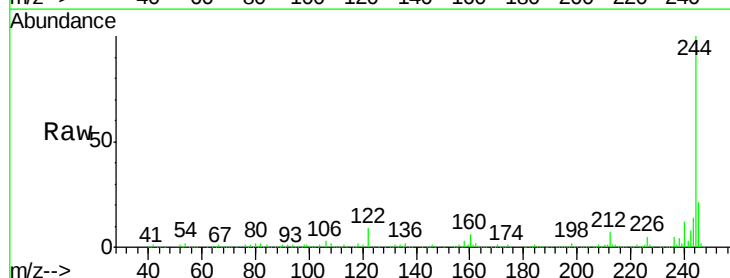
Tgt Ion:244 Resp: 1400697

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

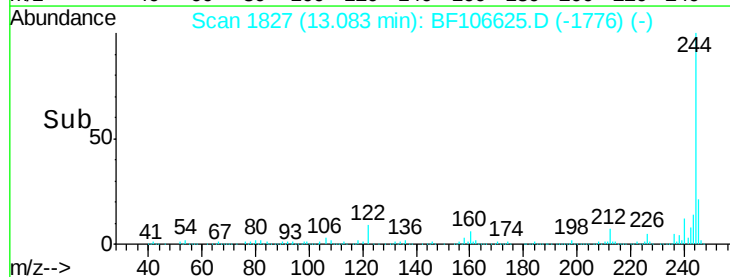
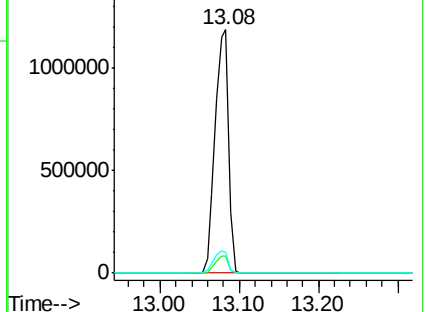
122 8.7 11.0 16.4#

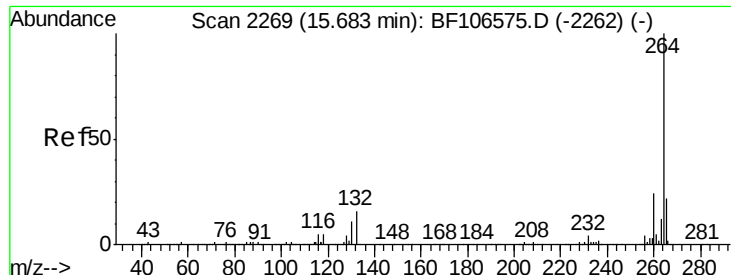


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

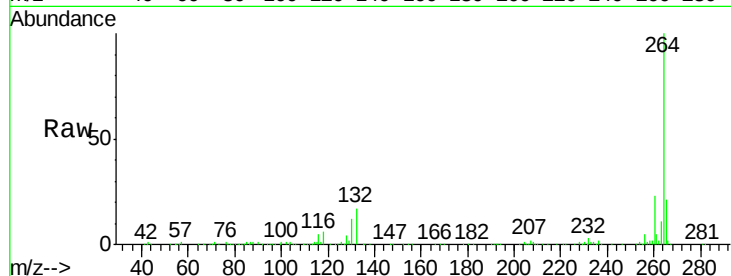




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: BF106625.D  
Acq: 20 Jun 2018 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB110384BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |



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

