

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\  
 Data File : BF107160.D  
 Acq On : 6 Jul 2018 8:40  
 Operator : JU/SJ  
 Sample : J3851-07  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 070218-TIPC-F-U-B

Quant Time: Jul 06 11:06:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

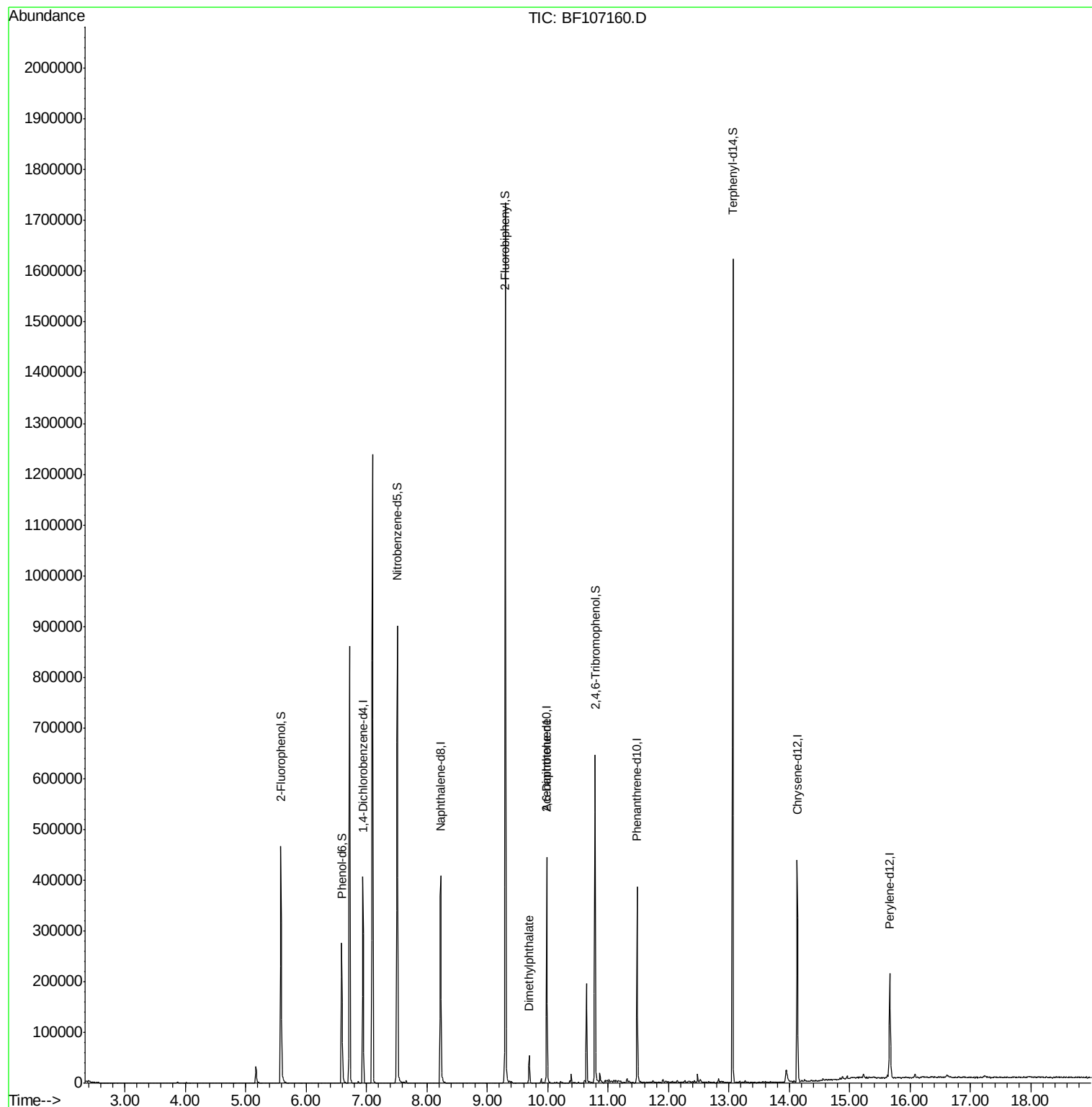
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 58545    | 20.00  | ng    | -0.02      |
| 21) Naphthalene-d8          | 8.23  | 136  | 219252   | 20.00  | ng    | -0.02      |
| 38) Acenaphthene-d10        | 9.99  | 164  | 99870    | 20.00  | ng    | -0.02      |
| 63) Phenanthrene-d10        | 11.48 | 188  | 167582   | 20.00  | ng    | -0.02      |
| 75) Chrysene-d12            | 14.13 | 240  | 160072   | 20.00  | ng    | -0.04      |
| 86) Perylene-d12            | 15.67 | 264  | 112549   | 20.00  | ng    | -0.05      |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.58  | 112  | 140834   | 40.73  | ng    | -0.02      |
| 7) Phenol-d6                | 6.59  | 99   | 109912   | 25.46  | ng    | -0.02      |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 320816   | 81.32  | ng    | -0.02      |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 98462    | 85.06  | ng    | -0.02      |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 584472   | 102.01 | ng    | -0.02      |
| 78) Terphenyl-d14           | 13.07 | 244  | 617573   | 93.45  | ng    | -0.02      |
| Target Compounds            |       |      |          |        |       |            |
| 49) Dimethylphthalate       | 9.70  | 163  | 27425    | 3.661  | ng    | Qvalue 100 |
| 50) 2,6-Dinitrotoluene      | 9.98  | 165  | 12538    | 7.905  | ng    | # 24       |

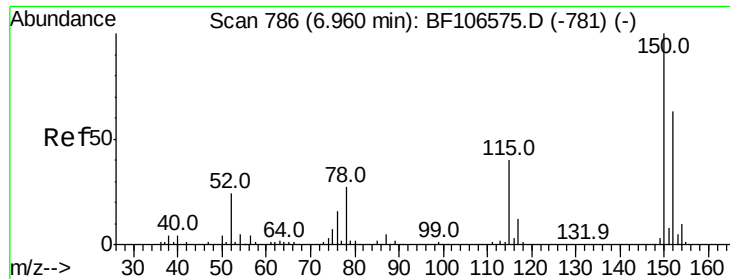
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\  
Data File : BF107160.D  
Acq On : 6 Jul 2018 8:40  
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Sample : J3851-07  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
070218-TIPC-F-U-B

Quant Time: Jul 06 11:06:02 2018  
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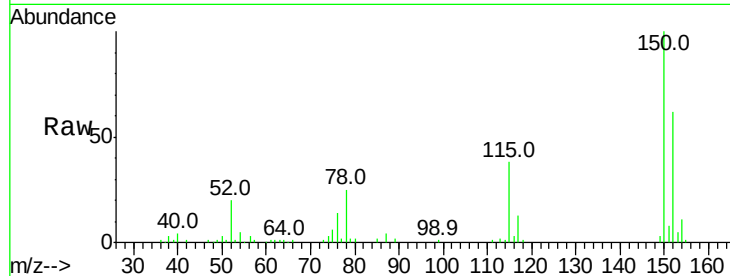


#1

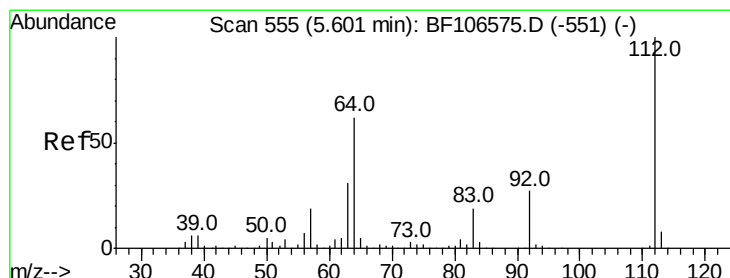
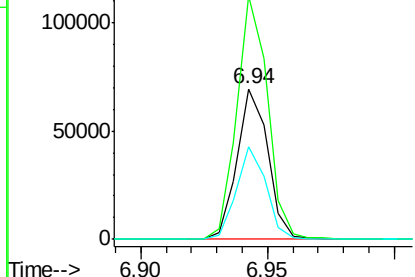
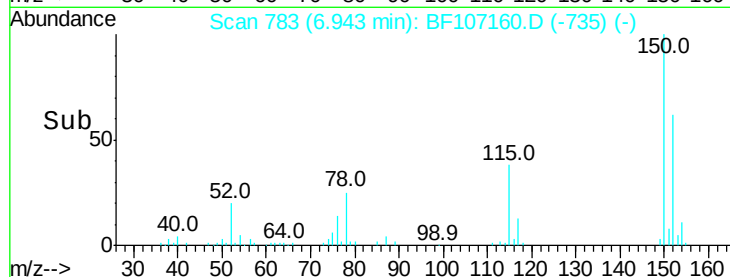
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BF107160.D  
Acq: 6 Jul 2018 8:40

Instrument :  
BNA\_F  
ClientSampleId :  
070218-TIPC-F-U-B

Tot Ion:152 Resp: 58545  
Ion Ratio Lower Upper  
152 100  
150 161.7 124.6 186.8  
115 61.5 50.1 75.1



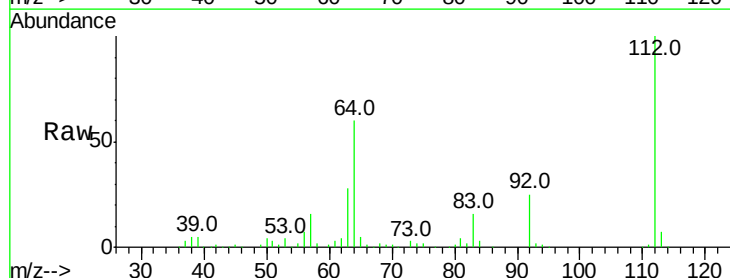
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



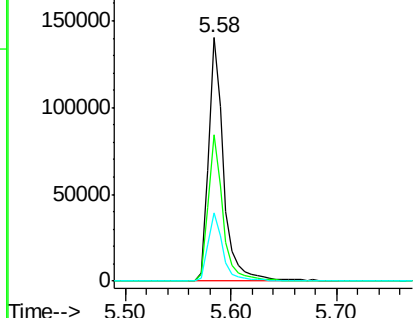
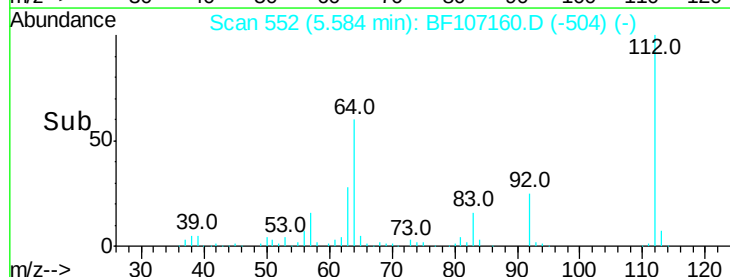
#5

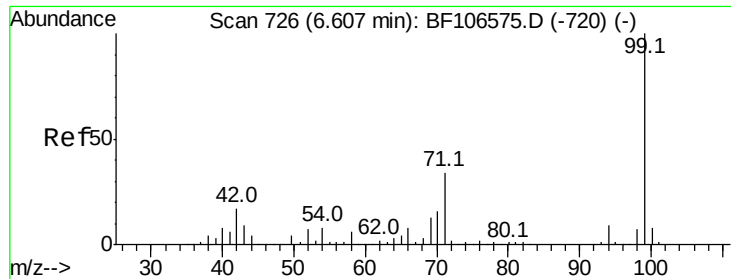
2-Fluorophenol  
Concen: 40.734 ng  
RT: 5.58 min Scan# 552  
Delta R.T. -0.02 min  
Lab File: BF107160.D  
Acq: 6 Jul 2018 8:40

Tgt Ion:112 Resp: 140834  
Ion Ratio Lower Upper  
112 100  
64 60.0 47.9 71.9  
63 28.2 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: 25.457 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107160.D

Acq: 6 Jul 2018 8:40

Instrument :

BNA\_F

ClientSampleId :

070218-TIPC-F-U-B

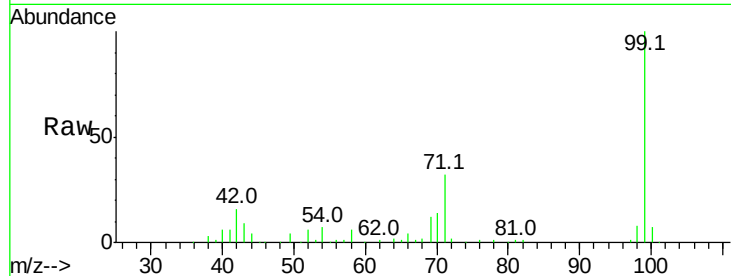
Tot Ion: 99 Resp: 109912

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

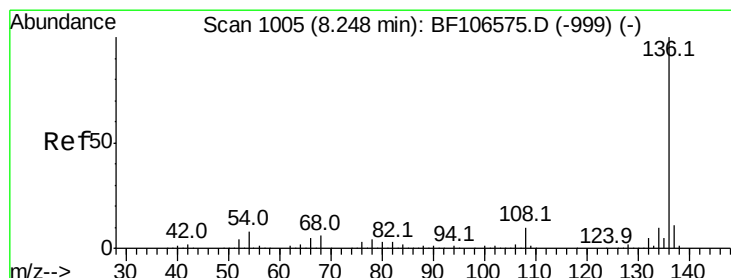
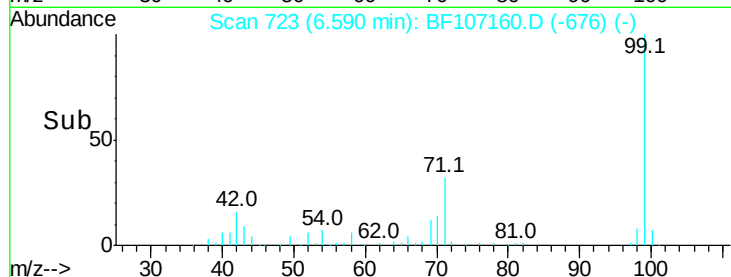
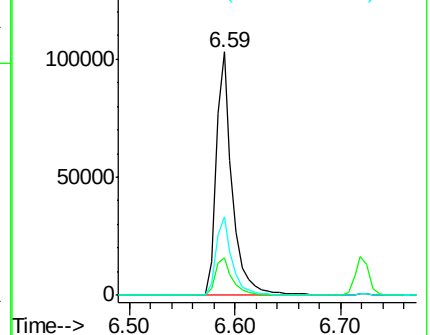
71 32.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107160.D

Acq: 6 Jul 2018 8:40

Tgt Ion: 136 Resp: 219252

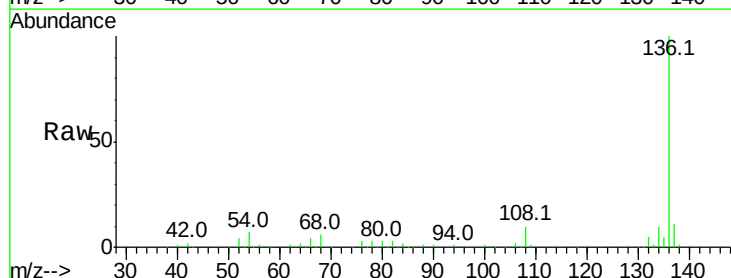
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.3 6.6 9.8

68 6.0 5.0 7.4

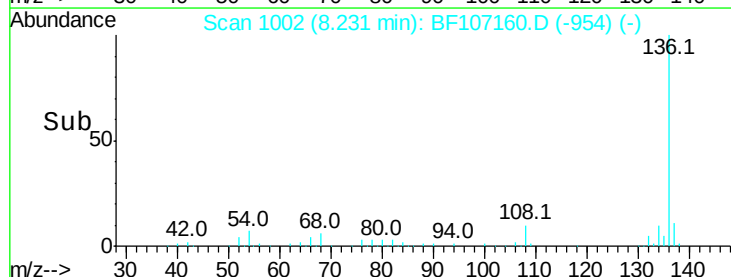
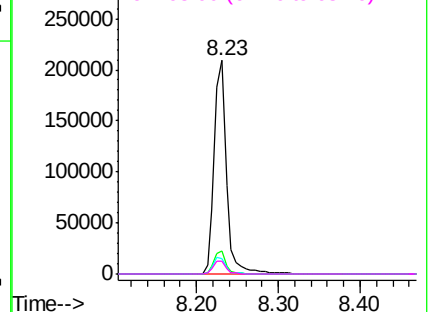


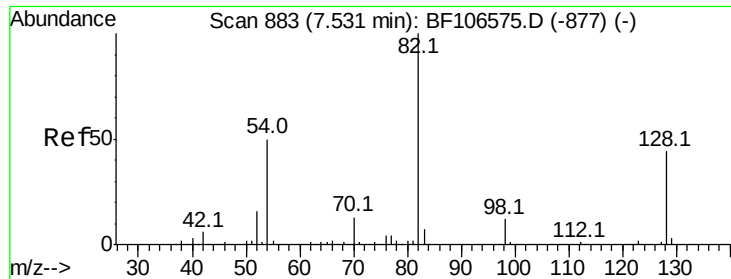
Abundance Ion 136.00 (135.70 to 136.70): E

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

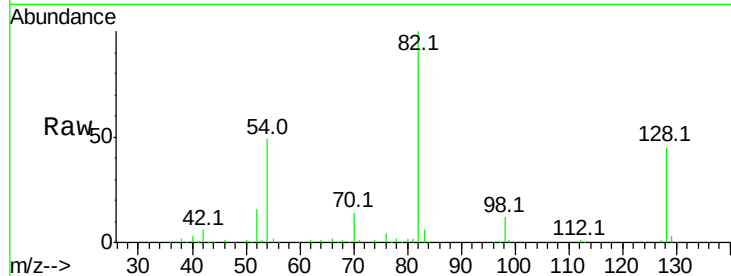




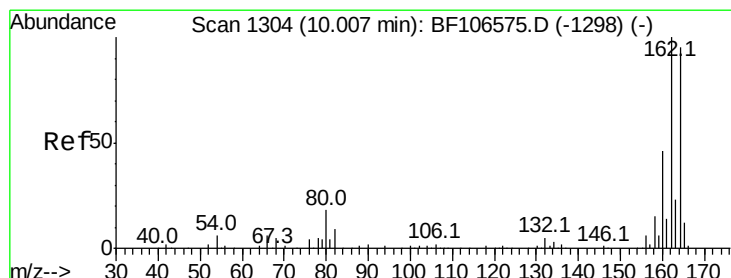
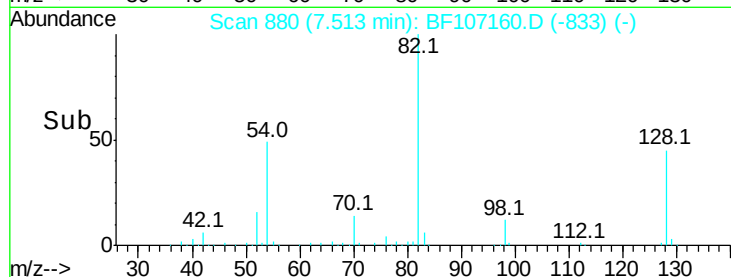
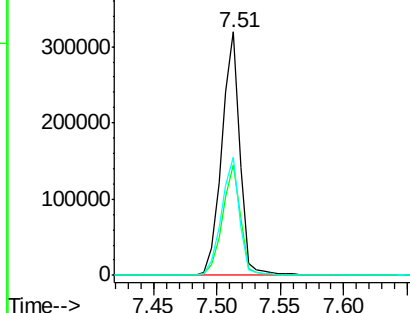
#23  
 Nitrobenzene-d5  
 Concen: 81.317 ng  
 RT: 7.51 min Scan# 880  
 Delta R.T. -0.02 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 070218-TIPC-F-U-B

Tot Ion: 82 Resp: 320816  
 Ion Ratio Lower Upper  
 82 100  
 128 45.5 36.1 54.1  
 54 48.6 41.4 62.2

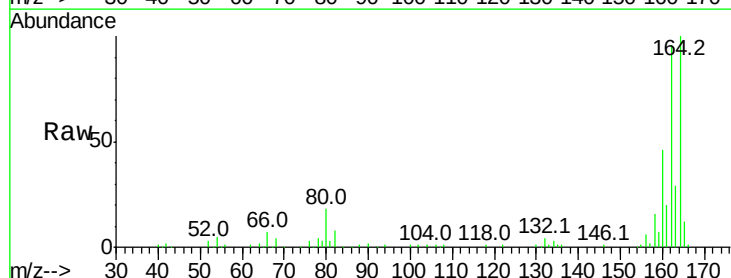


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

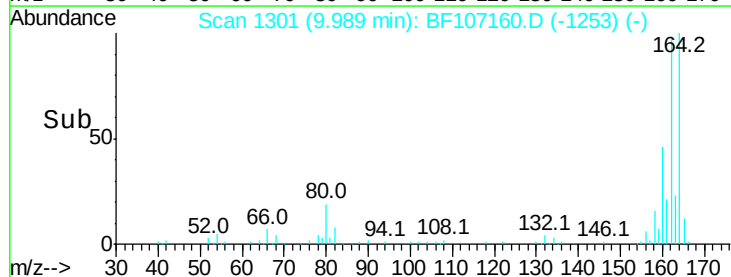
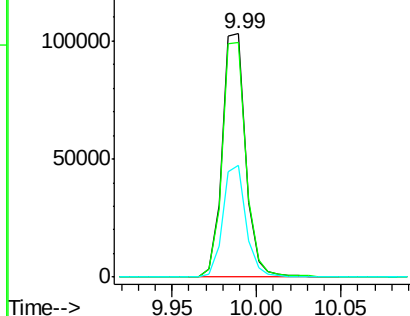


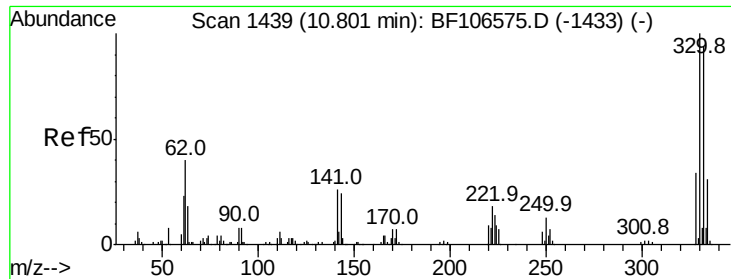
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.99 min Scan# 1301  
 Delta R.T. -0.02 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Tgt Ion: 164 Resp: 99870  
 Ion Ratio Lower Upper  
 164 100  
 162 96.4 86.1 129.1  
 160 46.0 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

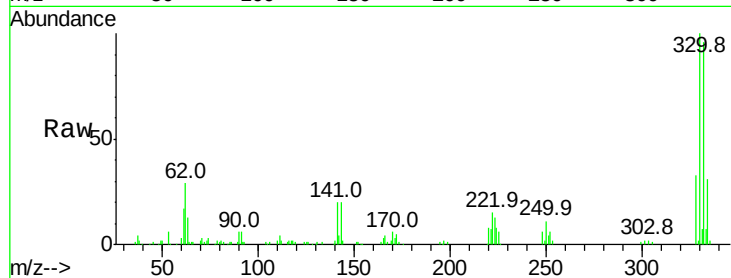




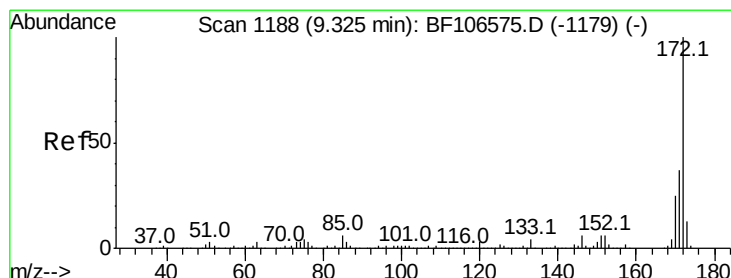
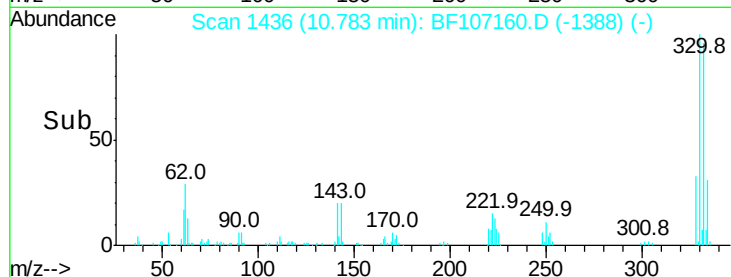
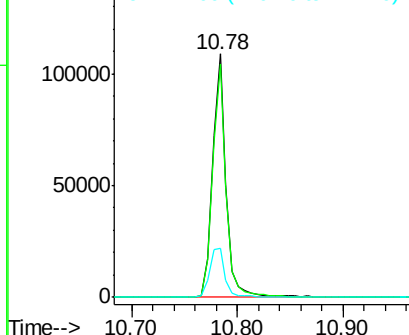
#41  
 2,4,6-Tribromophenol  
 Concen: 85.063 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.02 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 070218-TIPC-F-U-B

Tot Ion:330 Resp: 98462  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.0 115.6  
 141 22.9 29.9 44.9#

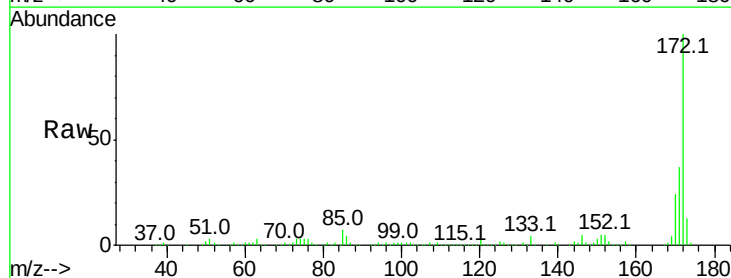


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

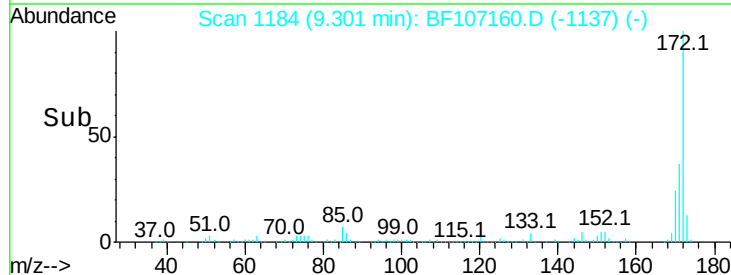
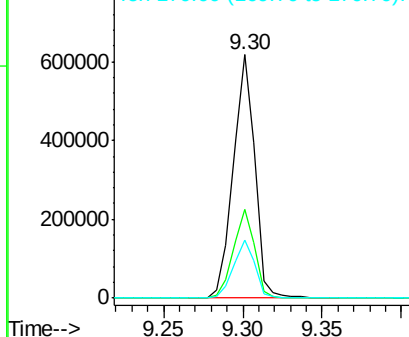


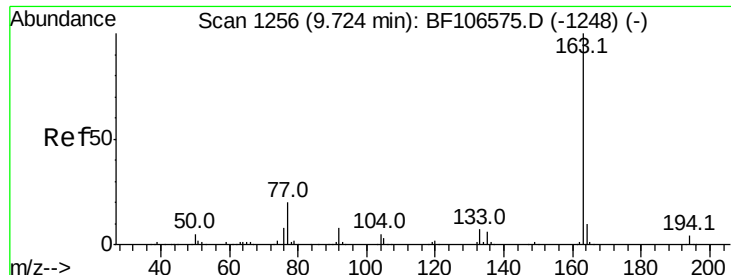
#44  
 2-Fluorobiphenyl  
 Concen: 102.010 ng  
 RT: 9.30 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Tgt Ion:172 Resp: 584472  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 23.8 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

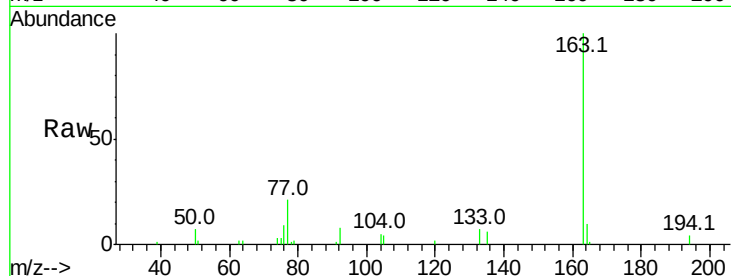




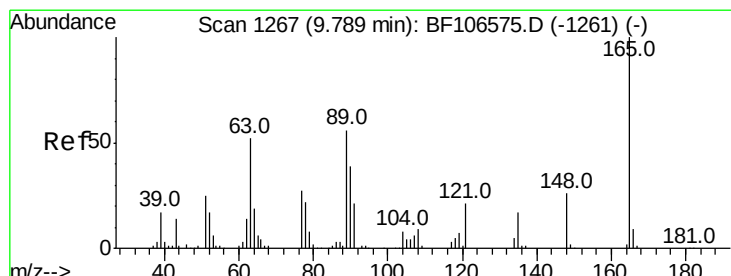
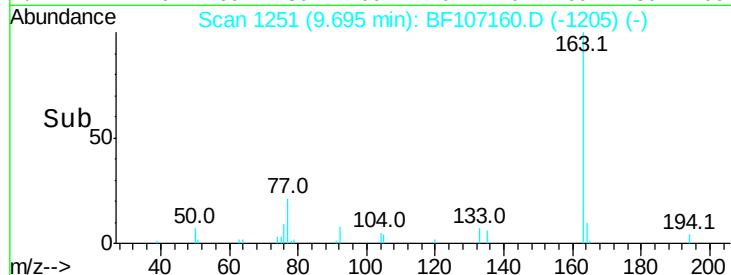
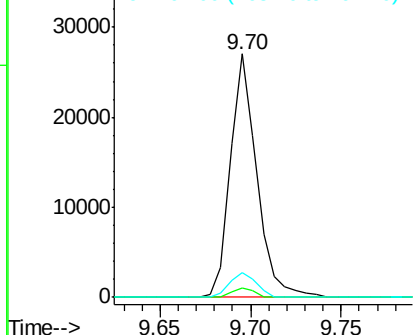
#49  
Dimethylphthalate  
Concen: 3.661 ng  
RT: 9.70 min Scan# 1251  
Delta R.T. -0.03 min  
Lab File: BF107160.D  
Acq: 6 Jul 2018 8:40

Instrument :  
BNA\_F  
ClientSampleId :  
070218-TIPC-F-U-B

Tot Ion:163 Resp: 27425  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.1 8.2 12.2

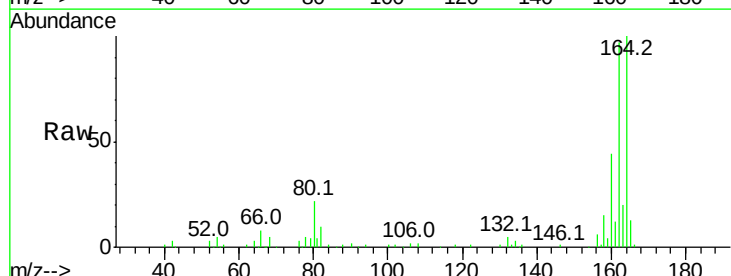


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

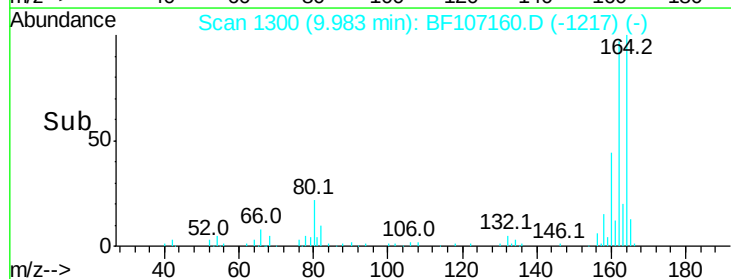
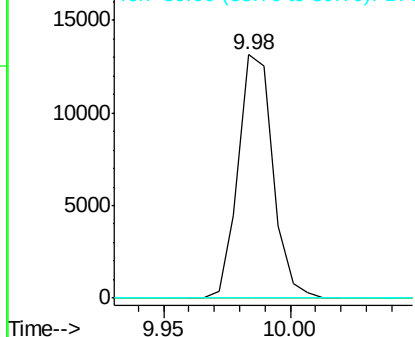


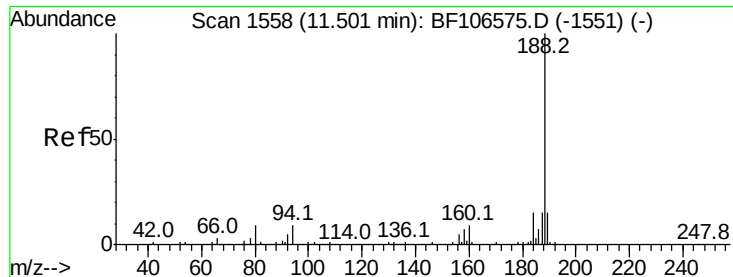
#50  
2,6-Dinitrotoluene  
Concen: 7.905 ng  
RT: 9.98 min Scan# 1300  
Delta R.T. 0.19 min  
Lab File: BF107160.D  
Acq: 6 Jul 2018 8:40

Tgt Ion:165 Resp: 12538  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF107160.D

Acq: 6 Jul 2018 8:40

Instrument :

BNA\_F

ClientSampleId :

070218-TIPC-F-U-B

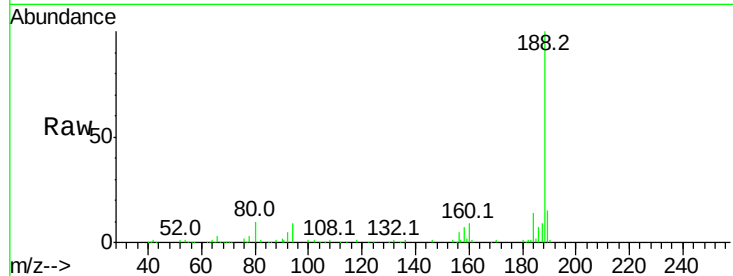
Tot Ion:188 Resp: 167582

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

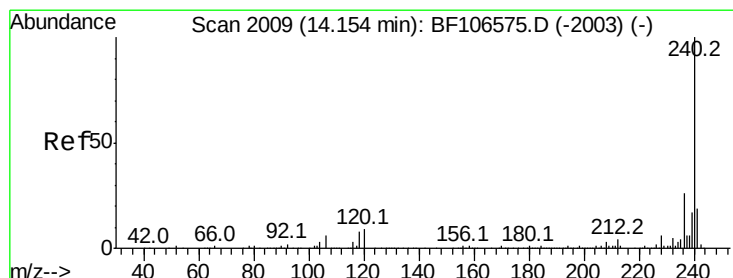
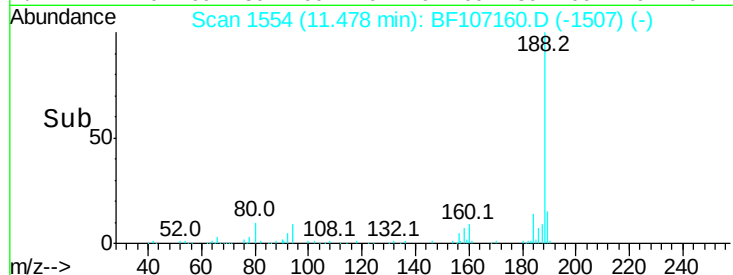
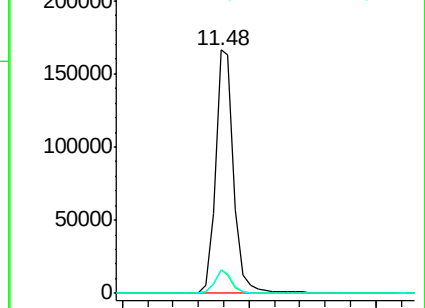
80 9.8 9.2 13.8



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: 14.13 min Scan# 2005

Delta R.T. -0.04 min

Lab File: BF107160.D

Acq: 6 Jul 2018 8:40

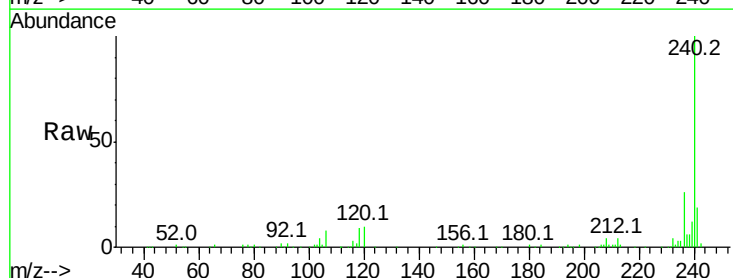
Tgt Ion:240 Resp: 160072

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

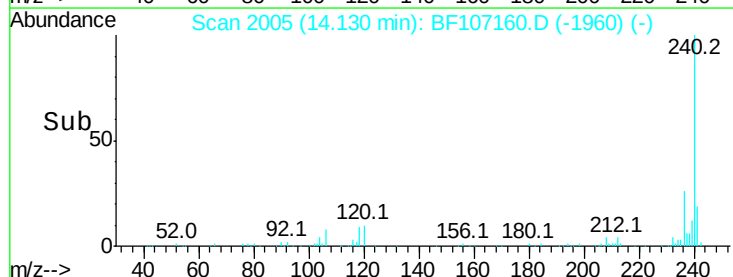
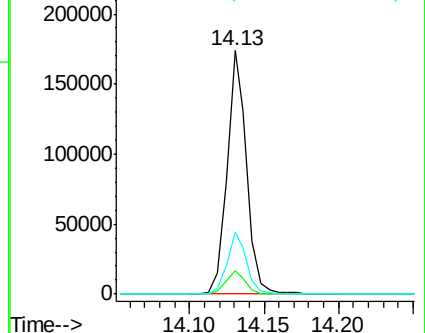
236 25.6 20.7 31.1



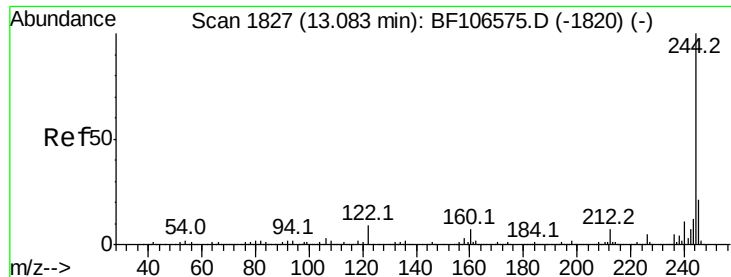
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



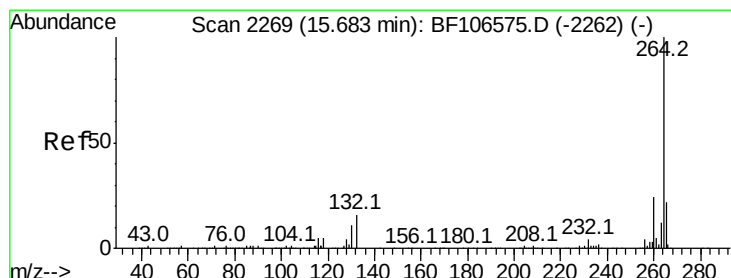
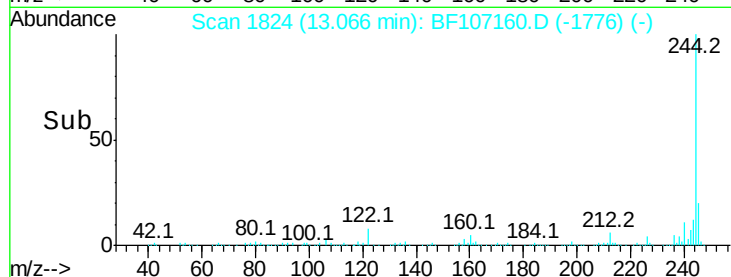
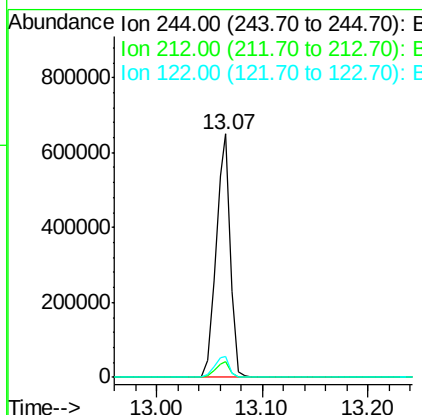
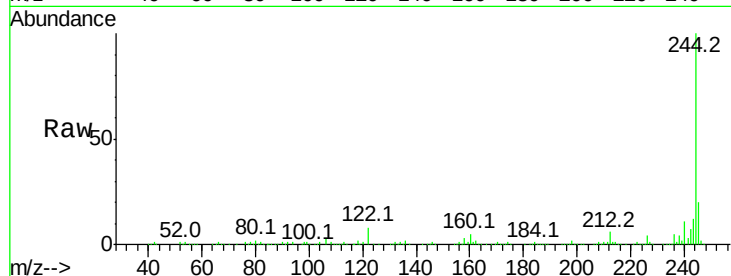




#78  
 Terphenyl-d14  
 Concen: 93.455 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 070218-TIPC-F-U-B

Tot Ion:244 Resp: 617573  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.0  
 122 8.4 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2266  
 Delta R.T. -0.05 min  
 Lab File: BF107160.D  
 Acq: 6 Jul 2018 8:40

Tgt Ion:264 Resp: 112549  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.2 28.8  
 265 21.6 17.5 26.3

