

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091418\  
 Data File : BF109017.D  
 Acq On : 15 Sep 2018 1:24  
 Operator : JU/SJ  
 Sample : J4901-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-TIPC-F-U-B

Quant Time: Sep 15 06:53:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

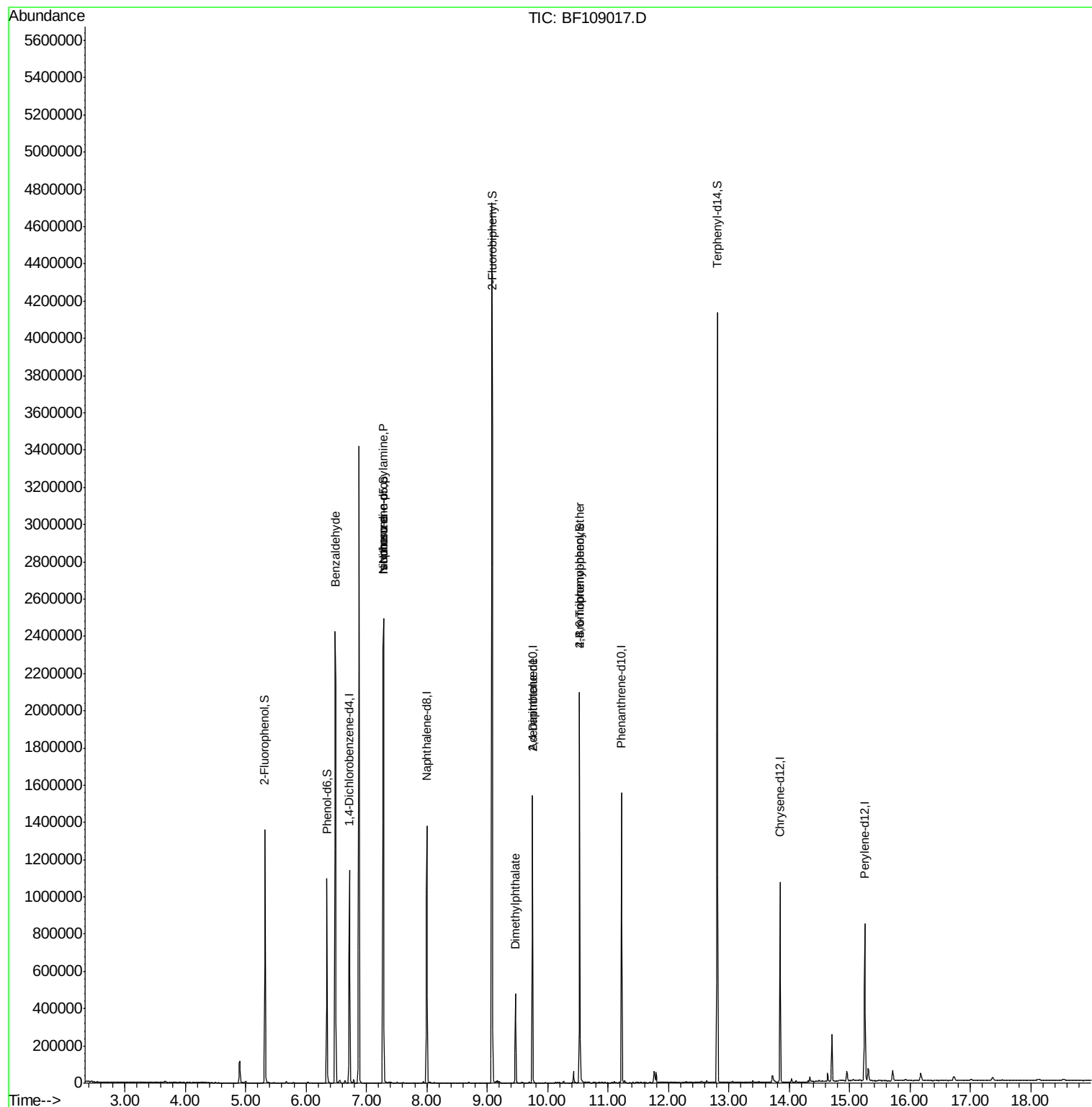
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 151991   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 575319   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 273091   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 508902   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.85 | 240  | 344827   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.25 | 264  | 388968   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 386452   | 42.23  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.34  | 99   | 332008   | 28.14  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 903667   | 88.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.53 | 330  | 247250   | 83.42  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1504666  | 86.32  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.81 | 244  | 1456710  | 100.13 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.48  | 77   | 15374    | 2.040  | ng    | # 70     |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 123520   | 15.836 | ng    | # 74     |
| 25) Isophorone                 | 7.28  | 82   | 899662   | 51.024 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 174919   | 8.962  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 34243    | 6.049  | ng    | # 24     |
| 66) 4-Bromophenyl-phenylether  | 10.53 | 248  | 14920    | 2.601  | ng    | # 1      |

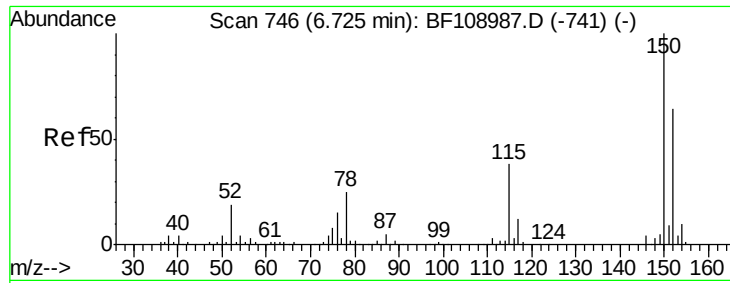
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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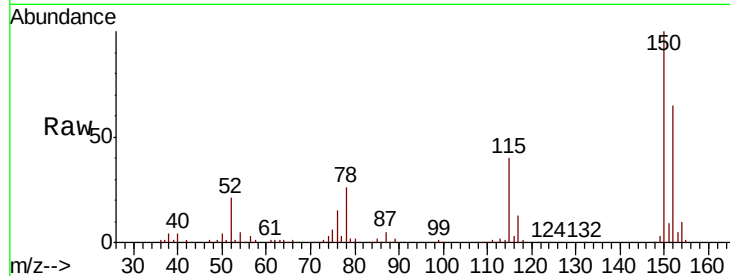


#1

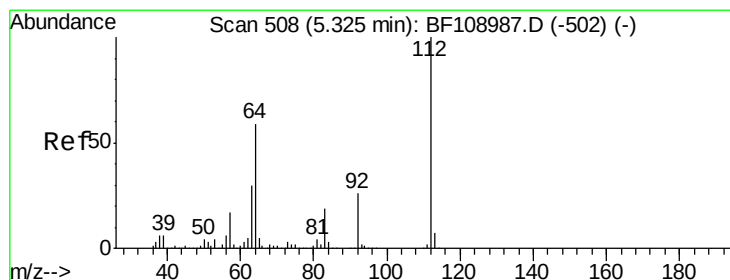
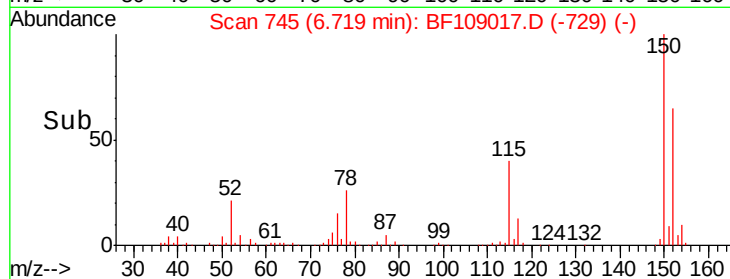
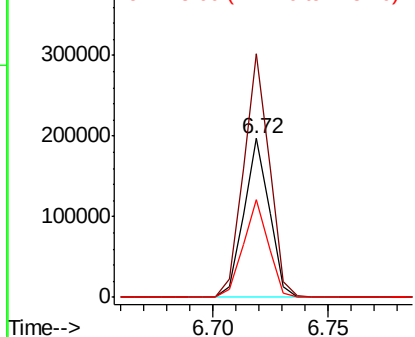
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

Instrument :  
BNA\_F  
ClientSampleId :  
091218-TIPC-F-U-B

Tgt Ion:152 Resp: 151991  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.6 186.8  
115 61.5 50.1 75.1



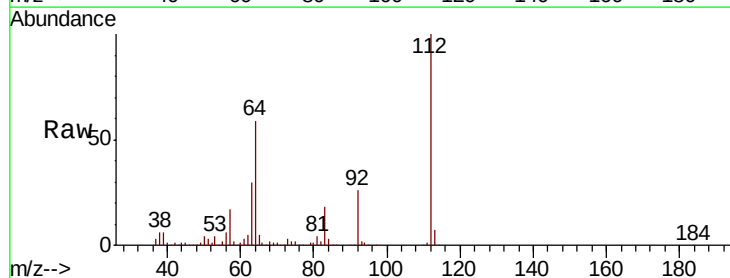
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



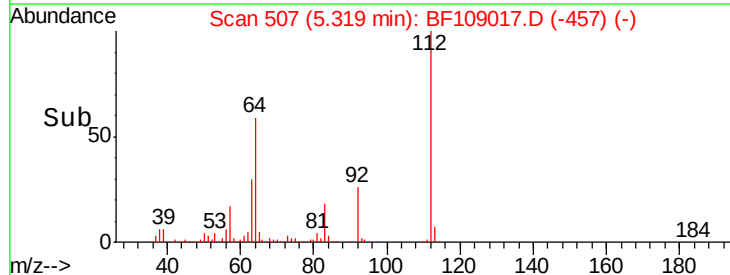
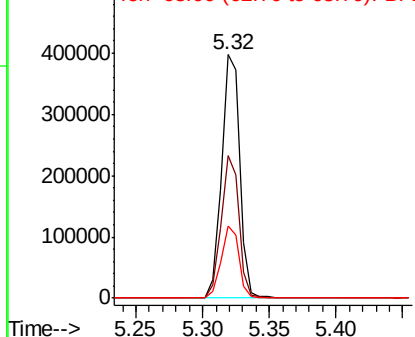
#5

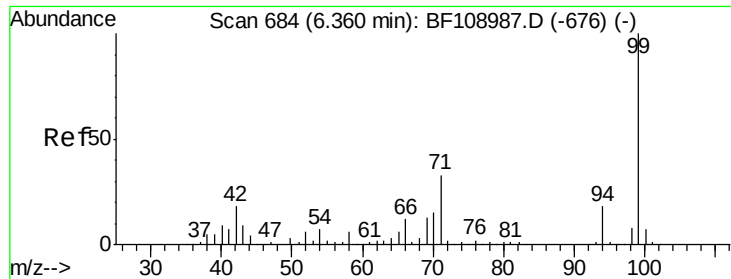
2-Fluorophenol  
Concen: 42.230 ng  
RT: 5.32 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

Tgt Ion:112 Resp: 386452  
Ion Ratio Lower Upper  
112 100  
64 58.5 47.9 71.9  
63 29.7 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: 28.136 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109017.D

Acq: 15 Sep 2018 1:24

Instrument :

BNA\_F

ClientSampleId :

091218-TIPC-F-U-B

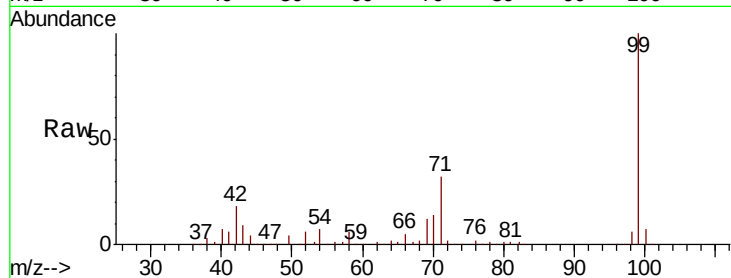
Tgt Ion: 99 Resp: 332008

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

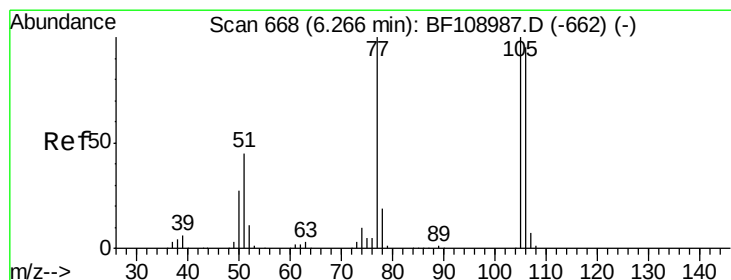
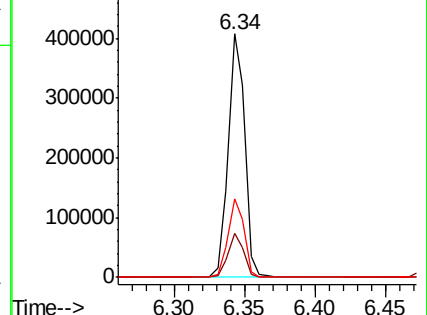
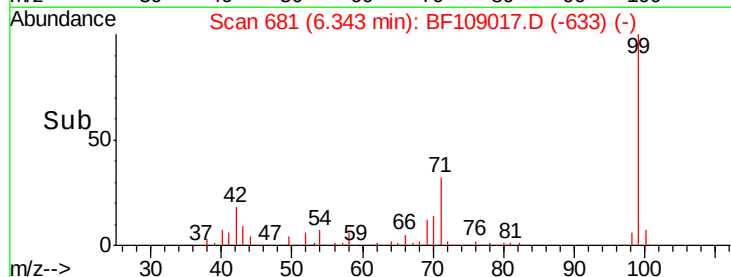
71 32.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.040 ng

RT: 6.48 min Scan# 705

Delta R.T. 0.22 min

Lab File: BF109017.D

Acq: 15 Sep 2018 1:24

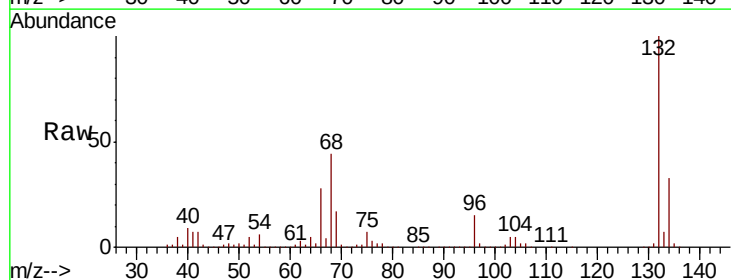
Tgt Ion: 77 Resp: 15374

Ion Ratio Lower Upper

77 100

105 74.4 81.1 121.1#

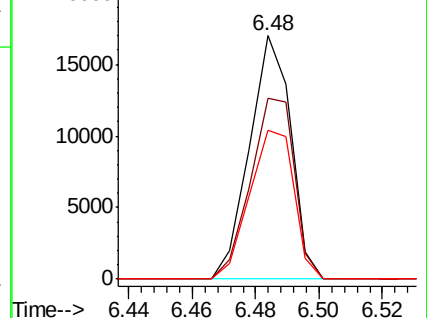
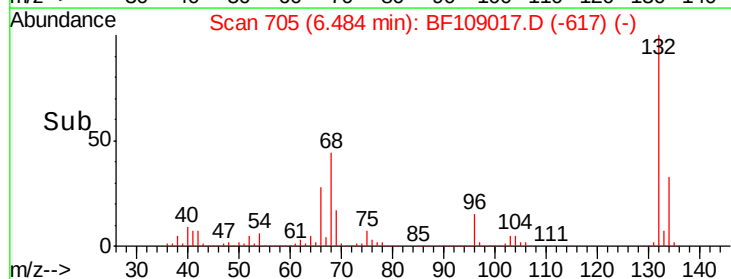
106 61.1 74.5 114.5#

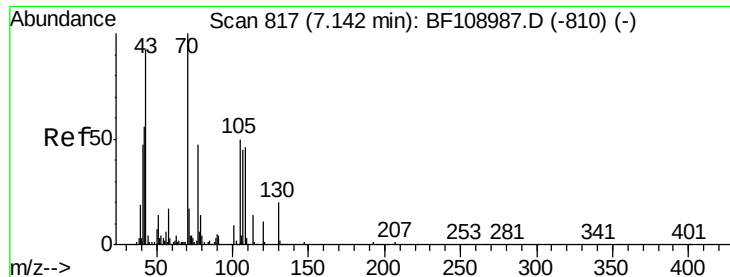


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

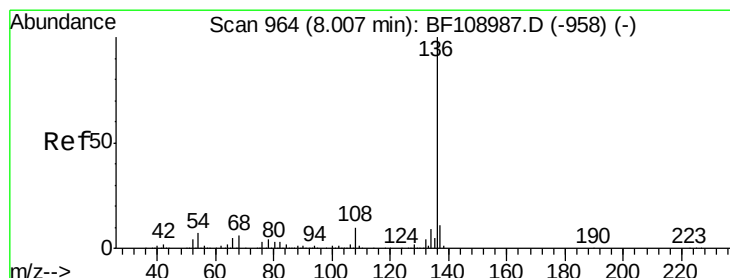
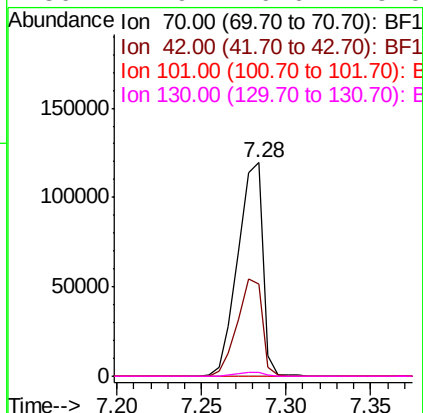
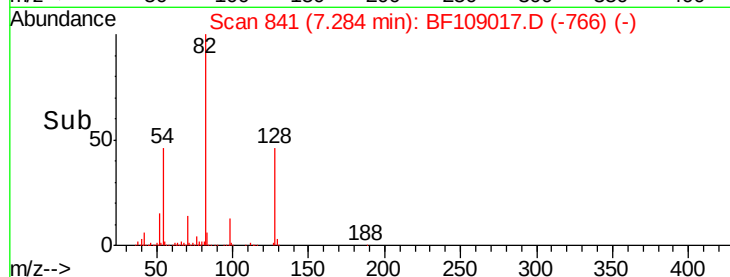
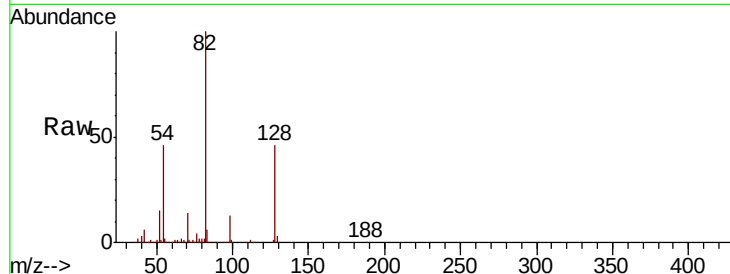




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.836 ng  
RT: 7.28 min Scan# 841  
Delta R.T. 0.14 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

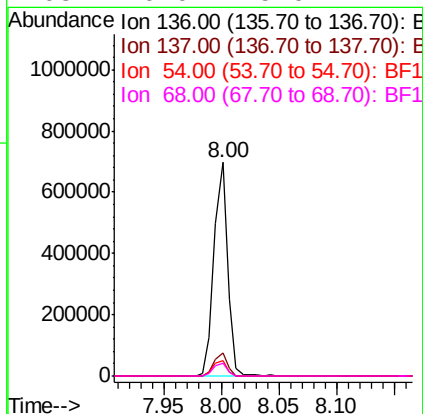
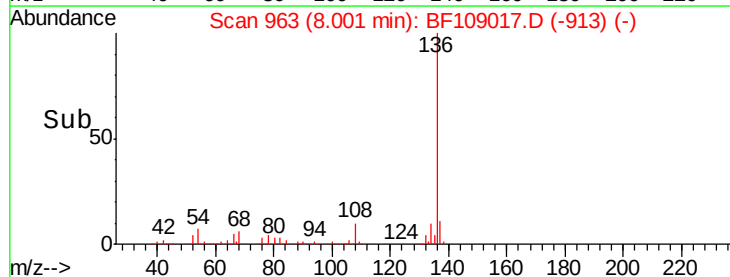
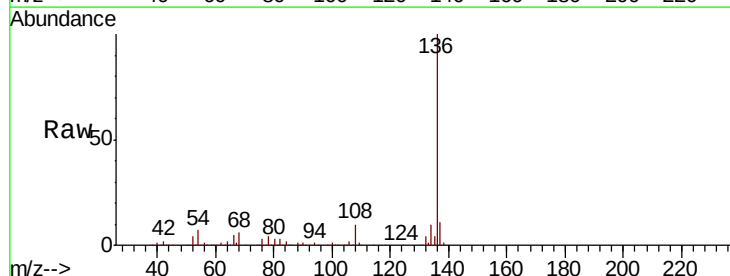
Instrument :  
BNA\_F  
ClientSampleId :  
091218-TIPC-F-U-B

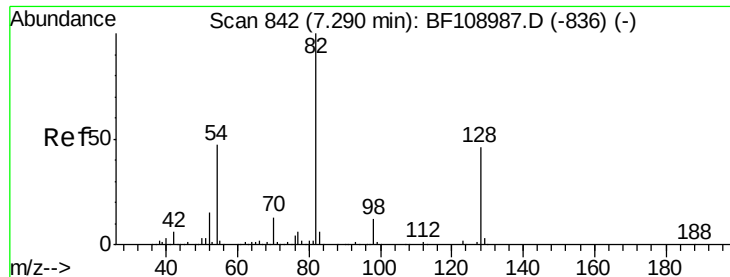
Tgt Ion: 70 Resp: 123520  
Ion Ratio Lower Upper  
70 100  
42 43.2 47.5 71.3#  
101 0.0 7.4 11.2#  
130 1.9 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

Tgt Ion: 136 Resp: 575319  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 7.0 6.6 9.8  
68 6.0 5.0 7.4

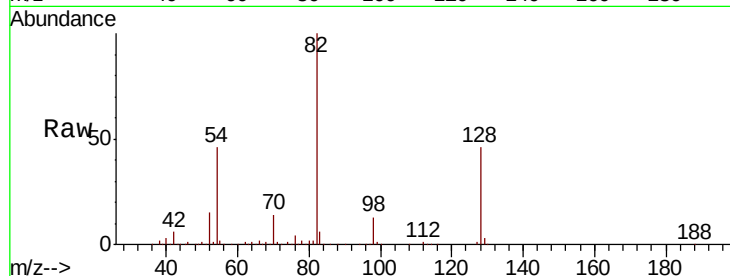




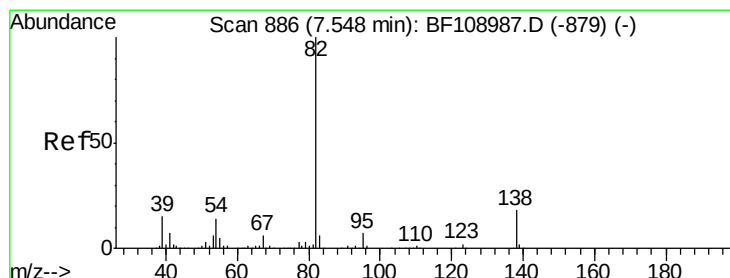
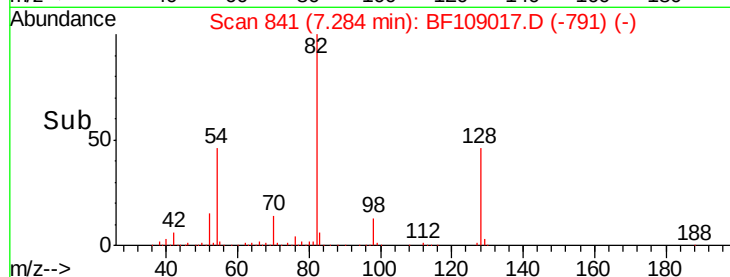
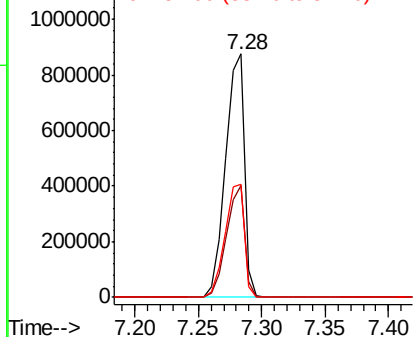
#23  
 Nitrobenzene-d5  
 Concen: 88.099 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-TIPC-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.9  | 36.1  | 54.1  |
| 54      | 46.5  | 41.4  | 62.2  |

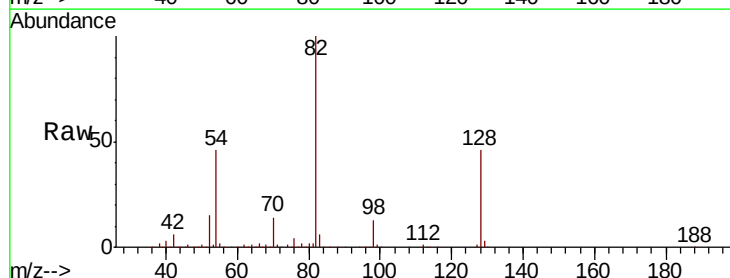


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

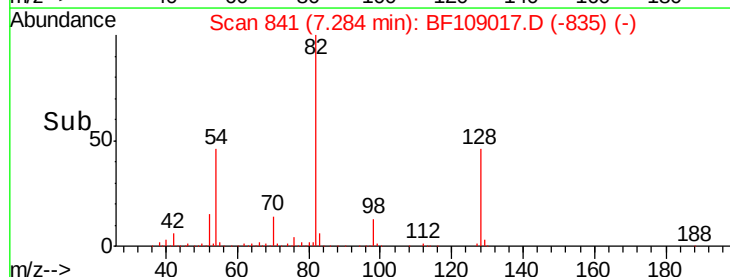
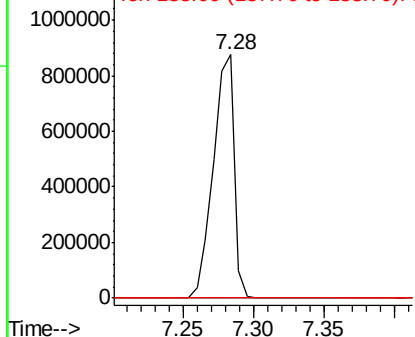


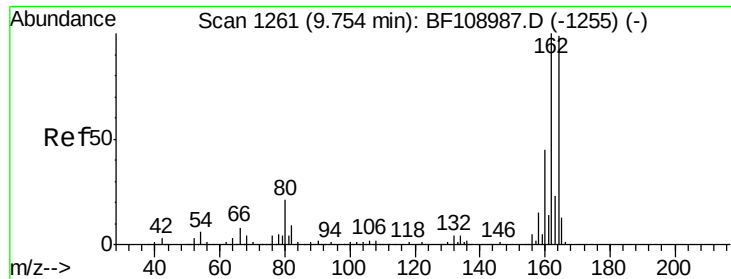
#25  
 Isophorone  
 Concen: 51.024 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.26 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

| Tgt 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

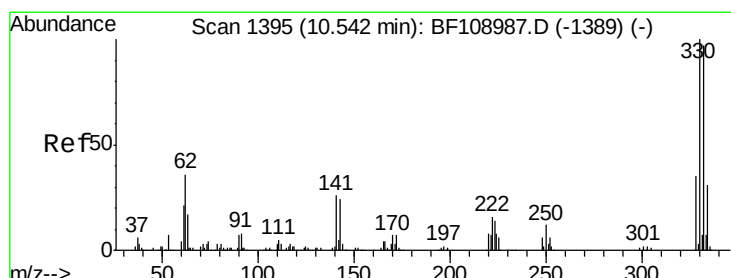
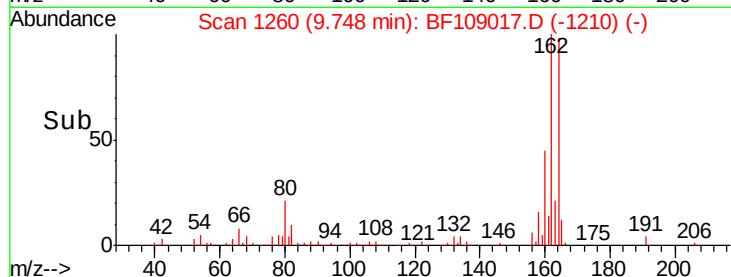
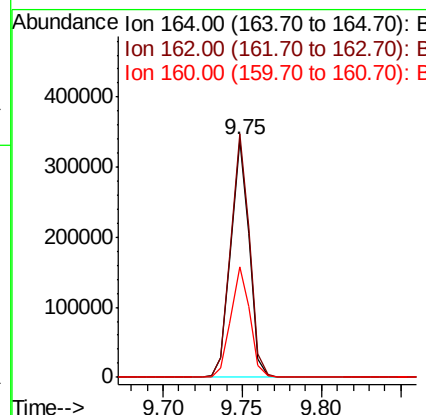
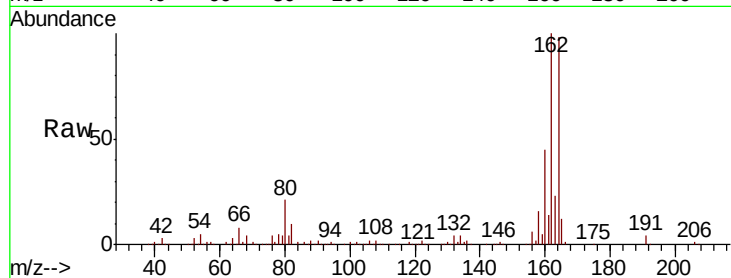




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

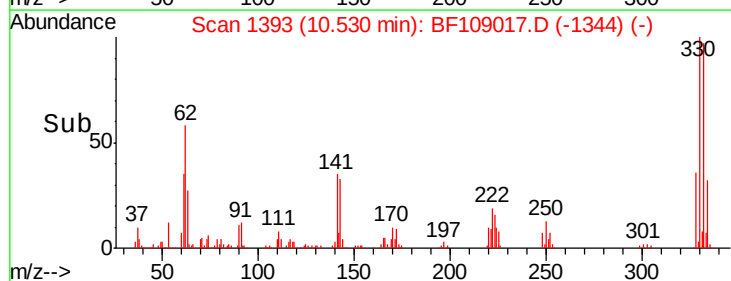
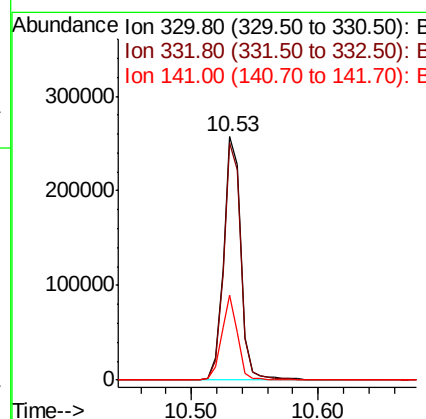
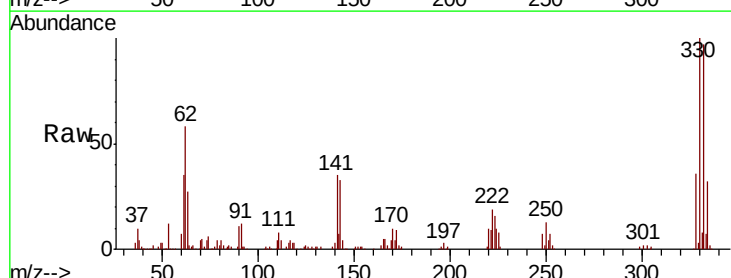
Instrument :  
 BNA\_F  
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 091218-TIPC-F-U-B

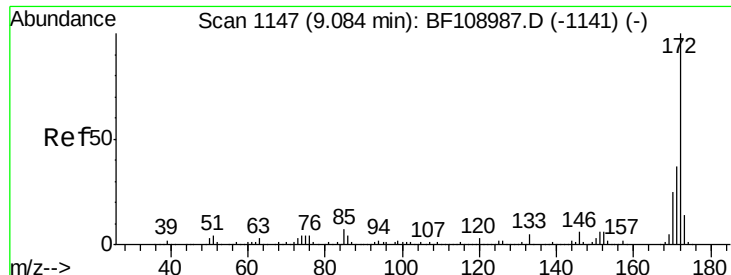
Tgt Ion:164 Resp: 273091  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 86.1 129.1  
 160 46.5 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 83.424 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

Tgt Ion:330 Resp: 247250  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 32.2 29.9 44.9

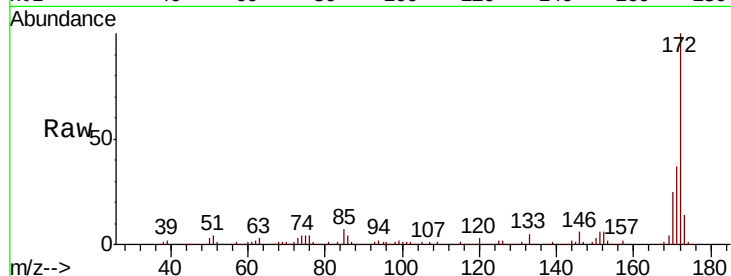




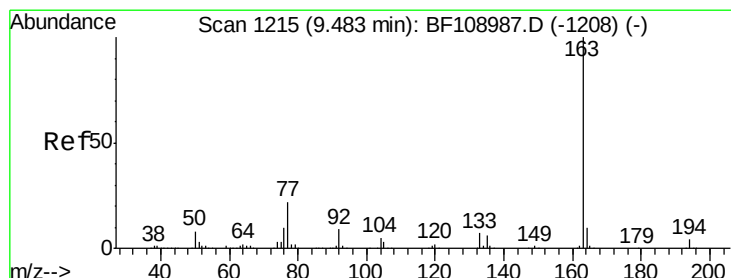
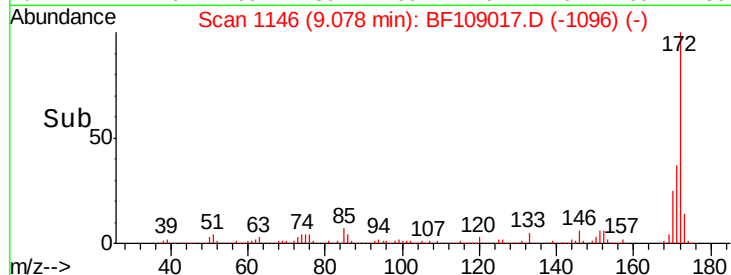
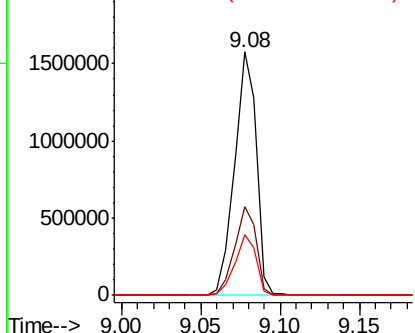
#44  
2-Fluorobiphenyl  
Concen: 86.323 ng  
RT: 9.08 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

Instrument :  
BNA\_F  
ClientSampleId :  
091218-TIPC-F-U-B

Tgt Ion:172 Resp: 1504666  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.7 44.5  
170 24.9 19.6 29.4

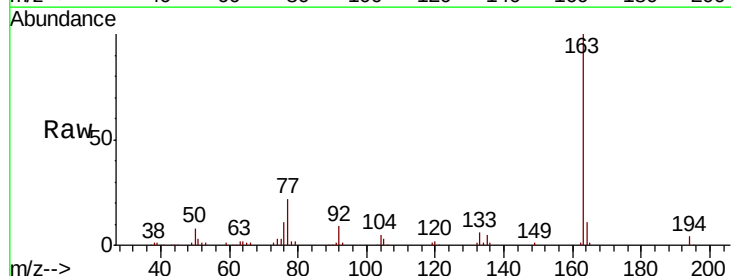


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

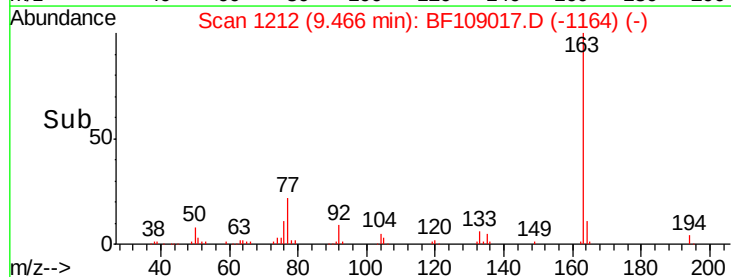
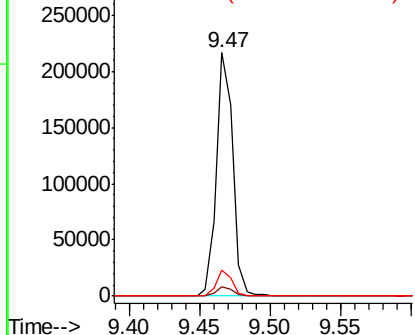


#49  
Dimethylphthalate  
Concen: 8.962 ng  
RT: 9.47 min Scan# 1212  
Delta R.T. -0.02 min  
Lab File: BF109017.D  
Acq: 15 Sep 2018 1:24

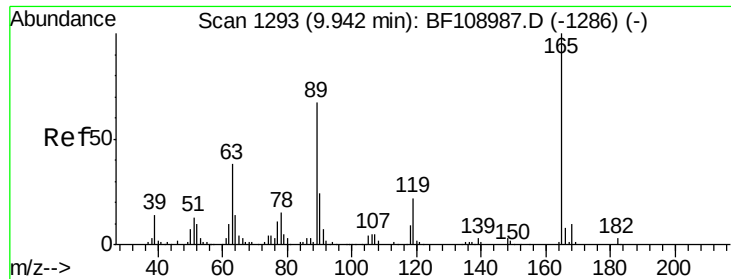
Tgt Ion:163 Resp: 174919  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.6 8.2 12.2



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



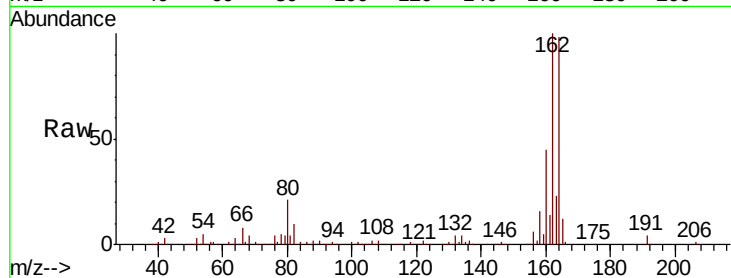




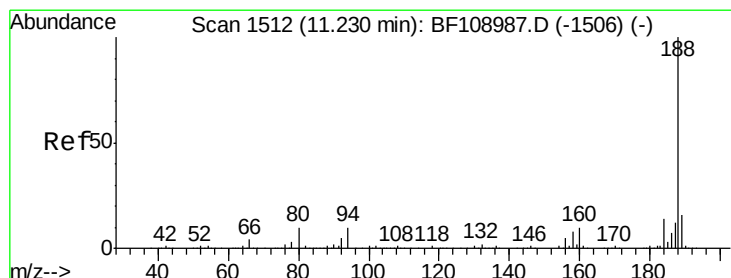
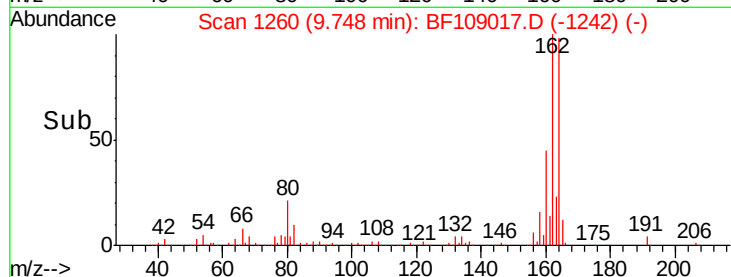
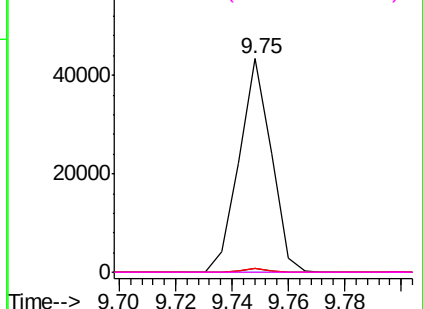
#56  
 2,4-Dinitrotoluene  
 Concen: 6.049 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.19 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-TIPC-F-U-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 34243 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.6   | 36.4  | 54.6# |
| 89       | 1.7   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |

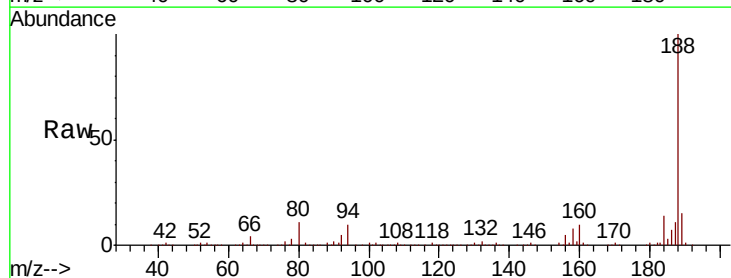


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

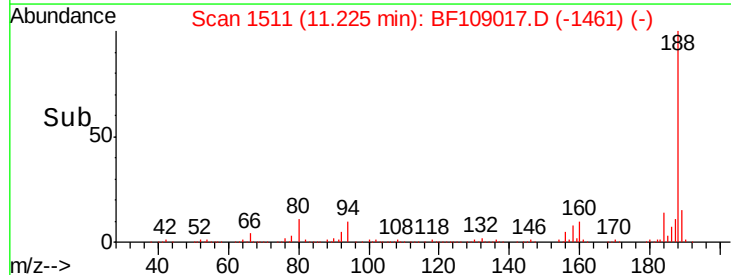
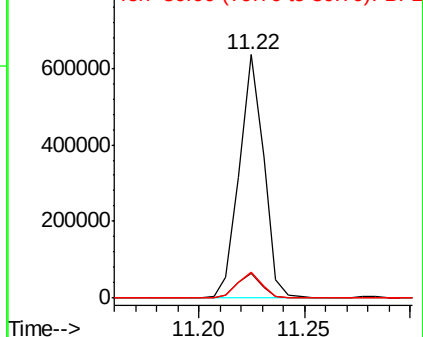


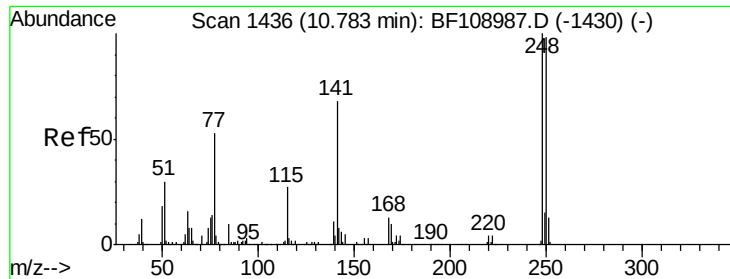
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 508902 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.1  | 8.5   | 12.7   |
| 80       | 10.8  | 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

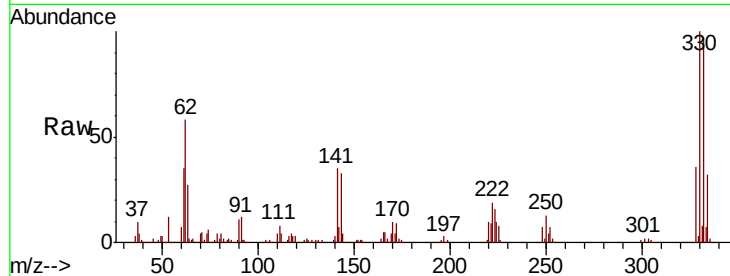




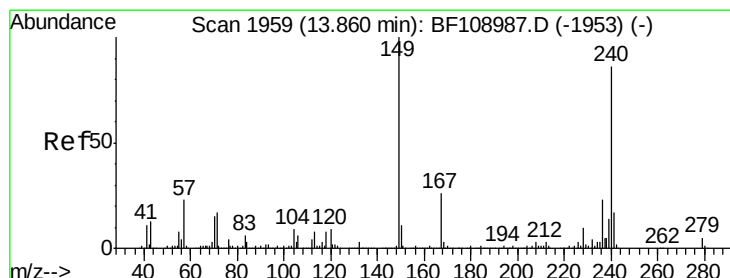
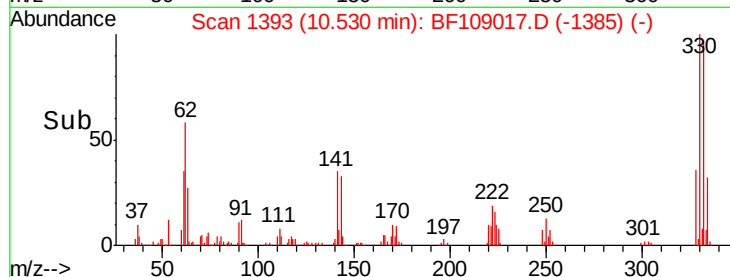
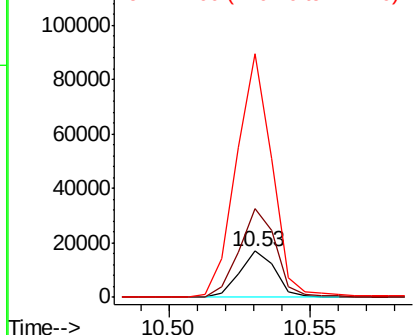
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.601 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.25 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-TIPC-F-U-B

Tgt Ion: 248 Resp: 14920  
 Ion Ratio Lower Upper  
 248 100  
 250 192.1 76.9 115.3#  
 141 526.9 74.4 111.6#

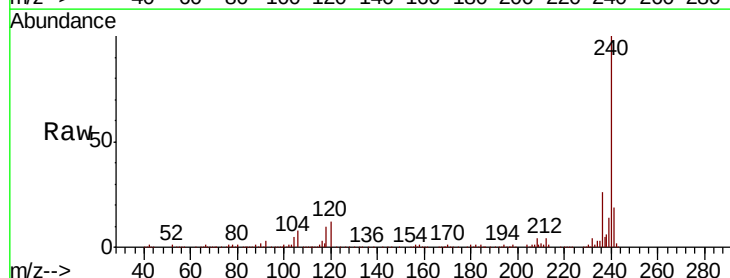


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

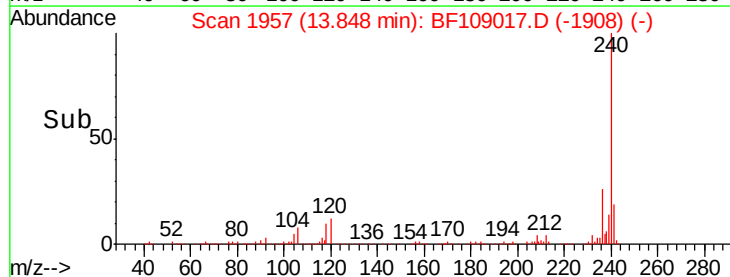
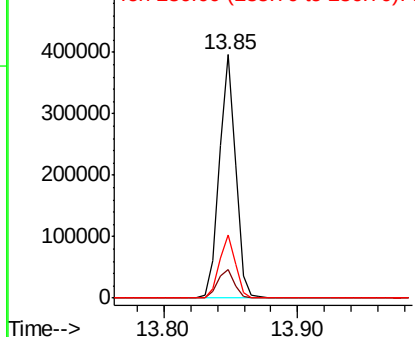


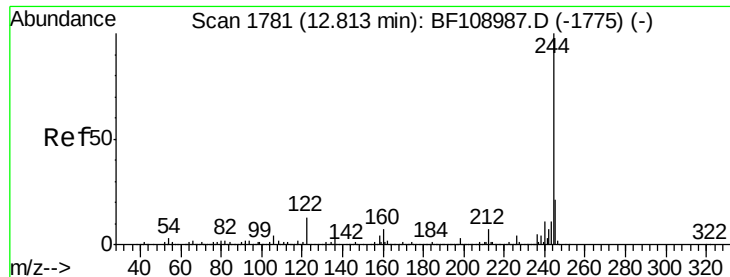
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.85 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF109017.D  
 Acq: 15 Sep 2018 1:24

Tgt Ion: 240 Resp: 344827  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 9.5 14.3  
 236 25.9 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: 100.131 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF109017.D

Acq: 15 Sep 2018 1:24

Instrument :

BNA\_F

ClientSampleId :

091218-TIPC-F-U-B

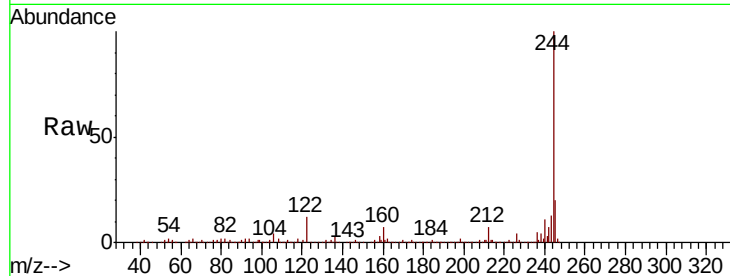
Tgt Ion:244 Resp: 1456710

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

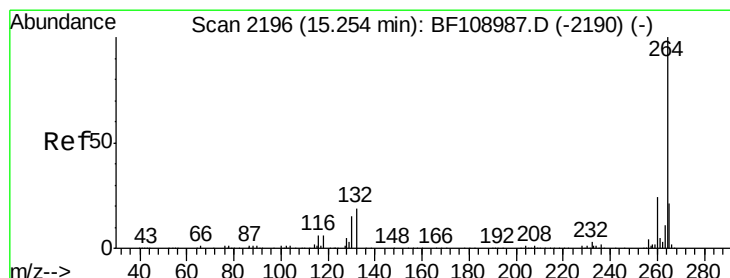
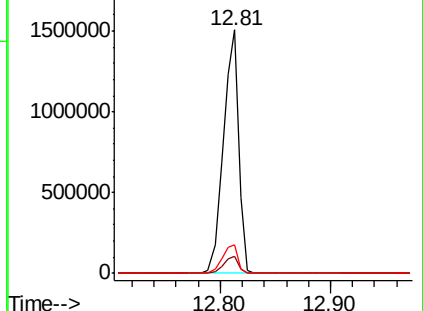
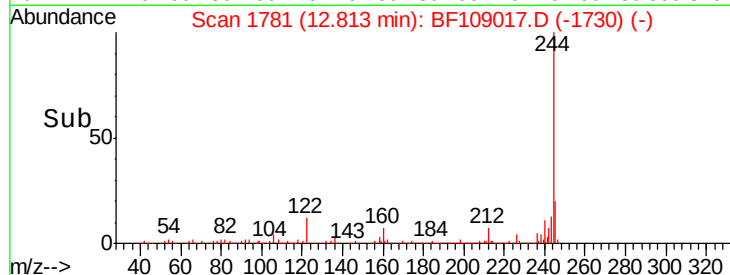
122 11.6 11.0 16.4



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: 15.25 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF109017.D

Acq: 15 Sep 2018 1:24

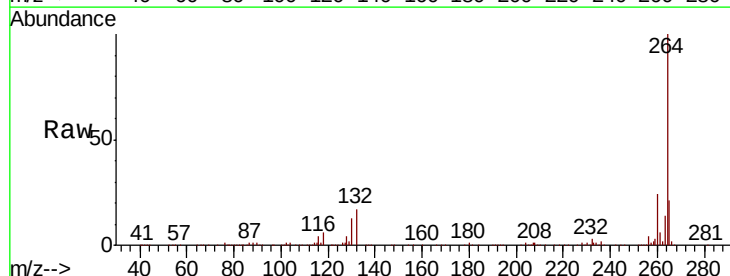
Tgt Ion:264 Resp: 388968

Ion Ratio Lower Upper

264 100

260 23.8 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

