

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\  
 Data File : BF109819.D  
 Acq On : 12 Oct 2018 7:08  
 Operator : JU/SJ  
 Sample : J5296-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100418-TIPC-E-D-M

Quant Time: Oct 12 07:41:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

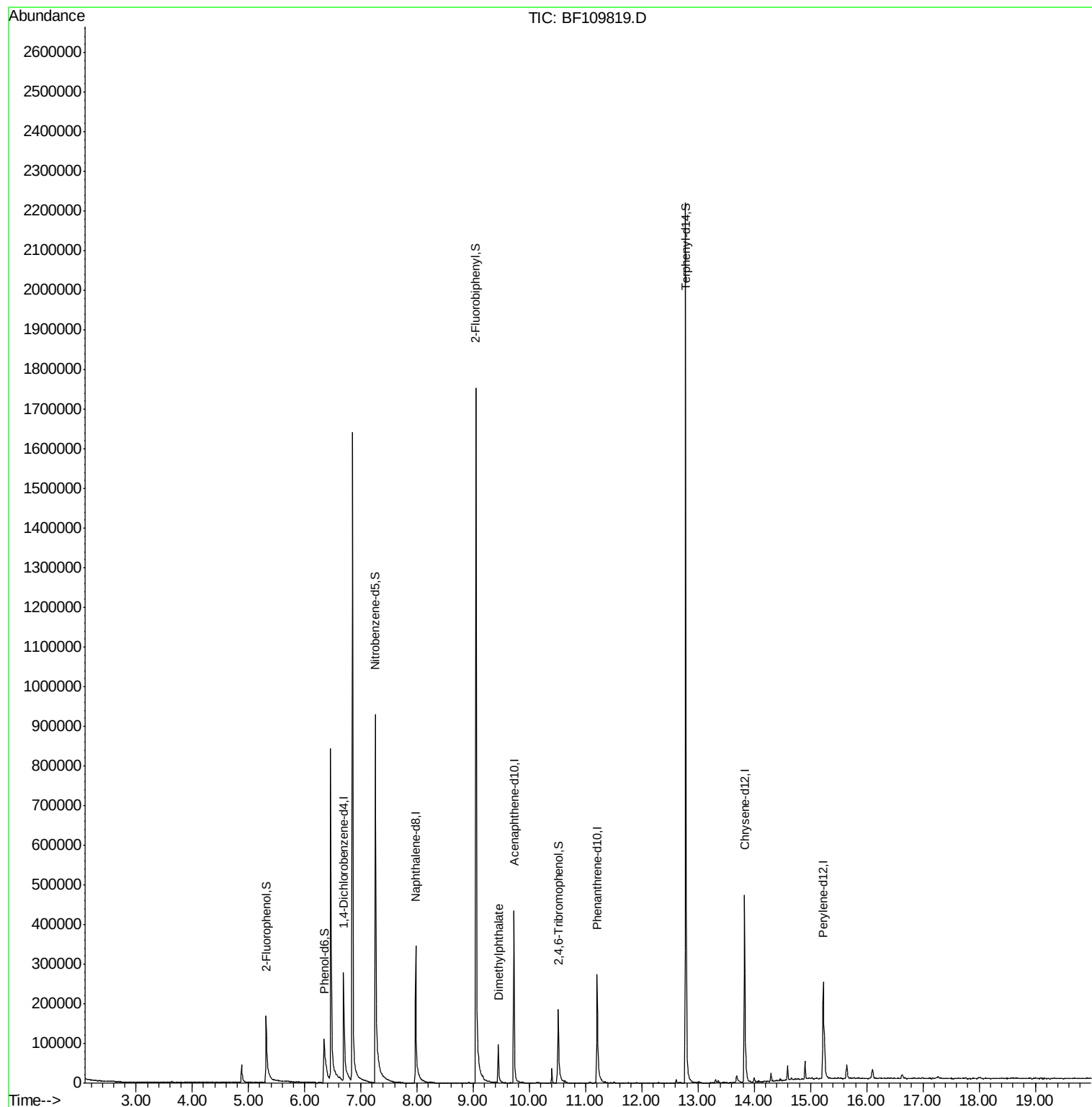
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 70032    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 257165   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.72  | 164  | 102554   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.20 | 188  | 193445   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 225024   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.23 | 264  | 150487   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 109761   | 27.82  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 115874   | 21.98  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 476138   | 102.06 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 43041    | 38.52  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 791472   | 106.29 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.78 | 244  | 851201   | 73.23  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.45  | 163  | 60091    | 7.989  | ng    | 99       |

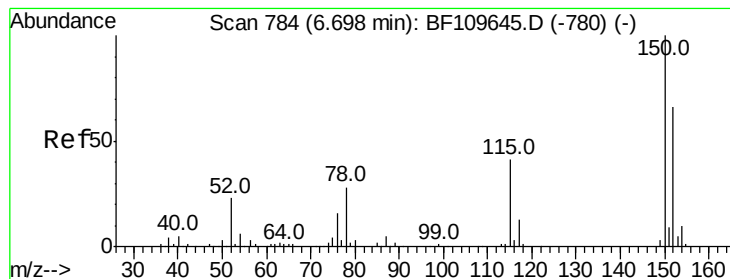
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 08 16:02:11 2018  
Response via : Initial Calibration



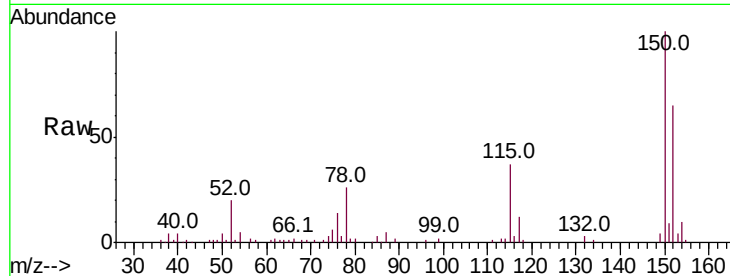


#1

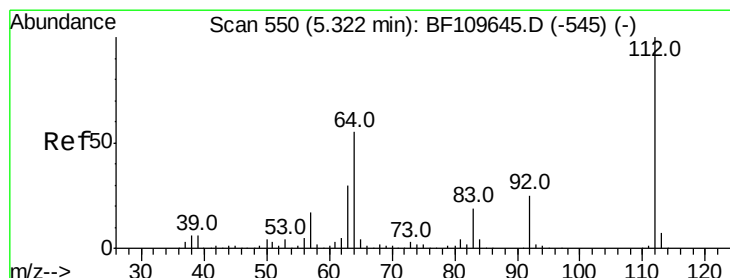
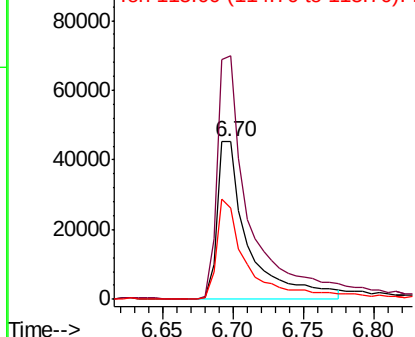
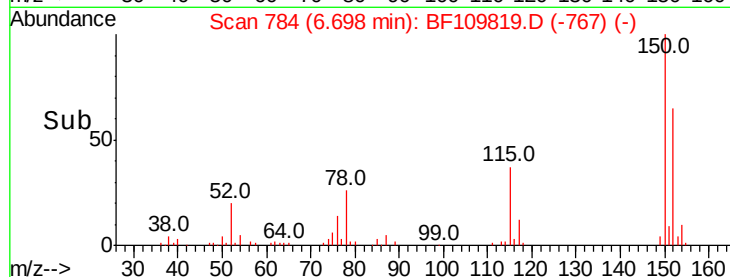
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF109819.D  
Acq: 12 Oct 2018 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
100418-TIPC-E-D-M

Tot Ion:152 Resp: 70032  
Ion Ratio Lower Upper  
152 100  
150 154.4 122.7 184.1  
115 57.8 49.1 73.7



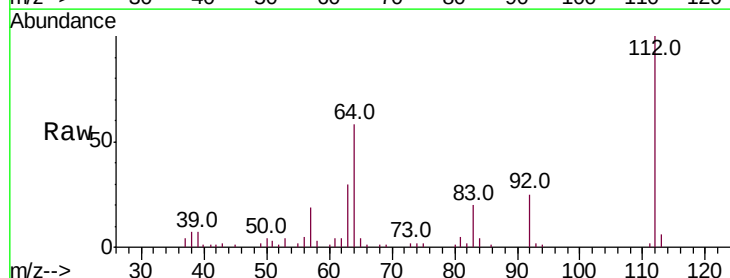
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



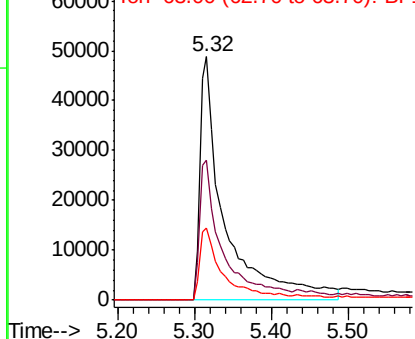
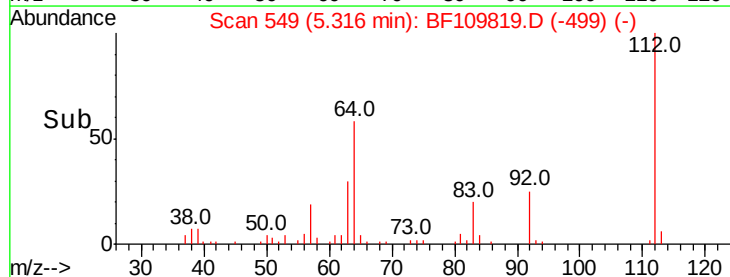
#5

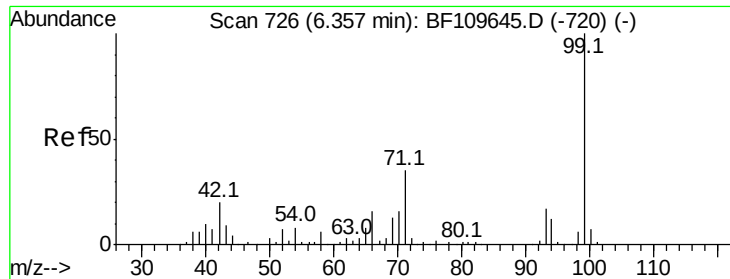
2-Fluorophenol  
Concen: 27.820 ng  
RT: 5.32 min Scan# 549  
Delta R.T. -0.01 min  
Lab File: BF109819.D  
Acq: 12 Oct 2018 7:08

Tgt Ion:112 Resp: 109761  
Ion Ratio Lower Upper  
112 100  
64 57.6 44.1 66.1  
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: 21.985 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

Instrument :

BNA\_F

ClientSampleId :

100418-TIPC-E-D-M

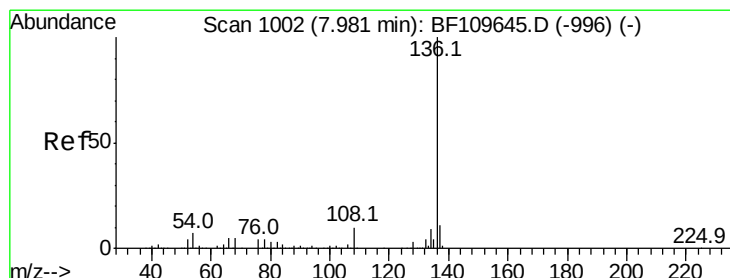
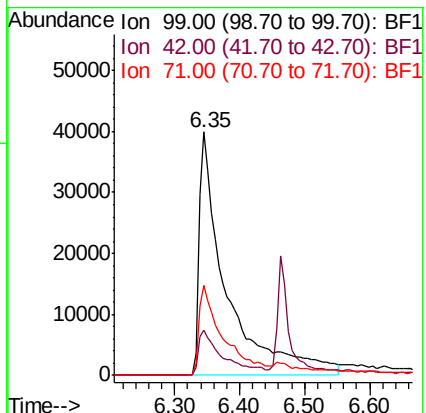
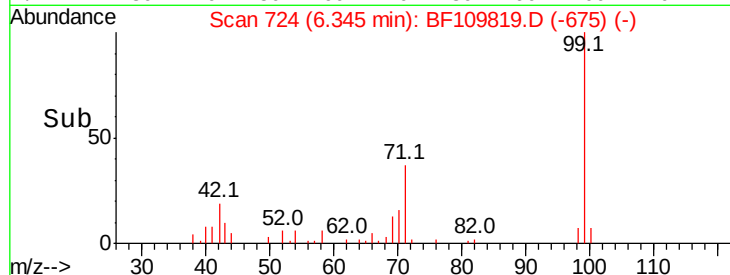
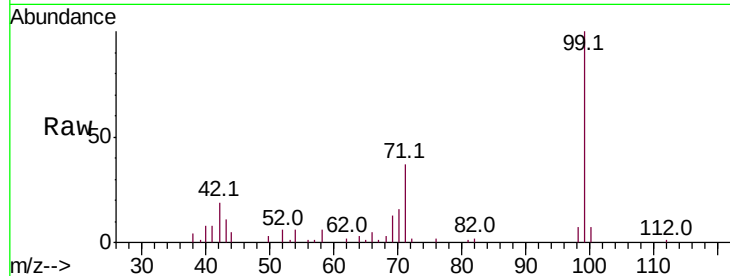
Tot Ion: 99 Resp: 115874

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 36.8 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

Tgt Ion: 136 Resp: 257165

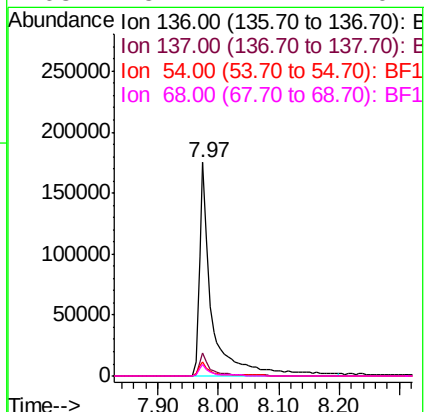
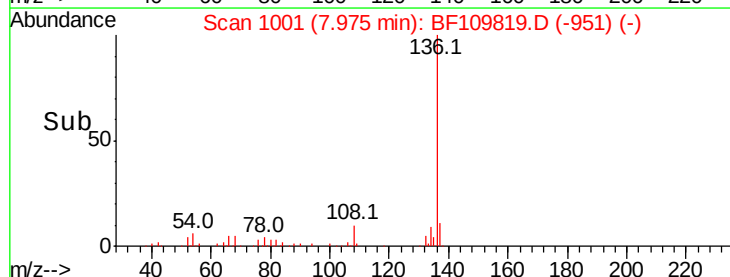
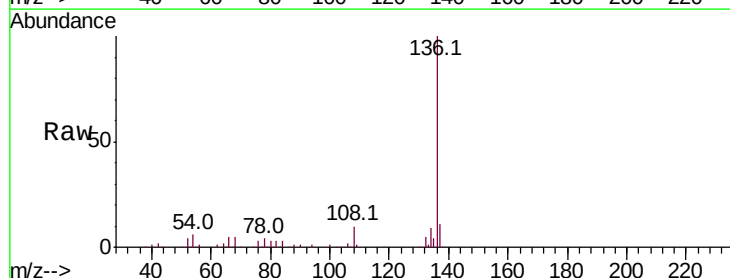
Ion Ratio Lower Upper

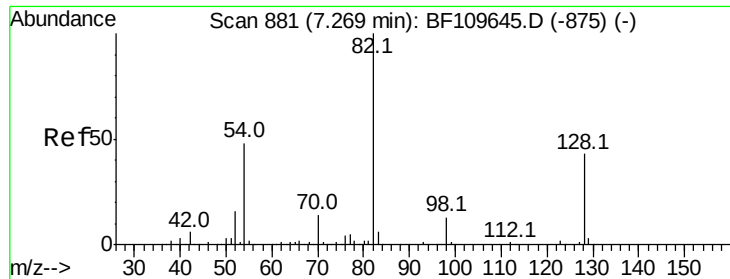
136 100

137 10.9 8.8 13.2

54 6.3 5.4 8.2

68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 102.060 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

Instrument :

BNA\_F

ClientSampleId :

100418-TIPC-E-D-M

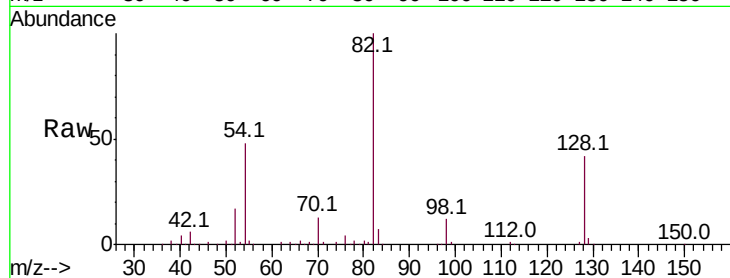
Tot Ion: 82 Resp: 476138

Ion Ratio Lower Upper

82 100

128 41.5 34.2 51.2

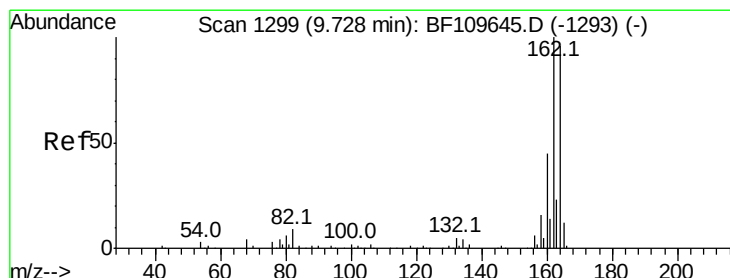
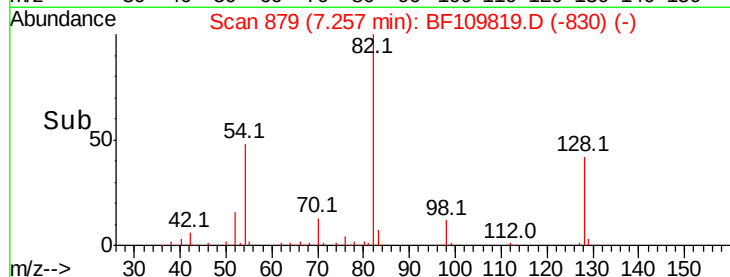
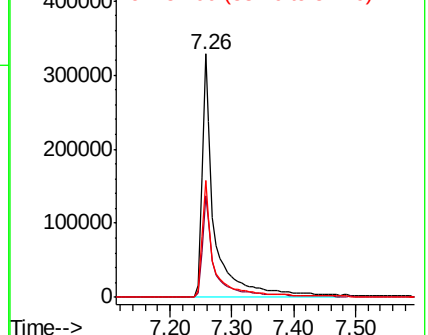
54 48.2 38.6 58.0



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

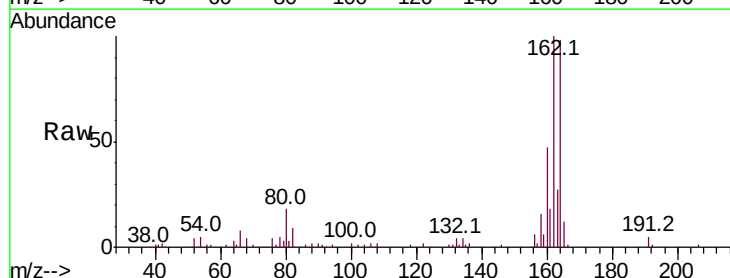
Tgt Ion: 164 Resp: 102554

Ion Ratio Lower Upper

164 100

162 102.4 83.0 124.6

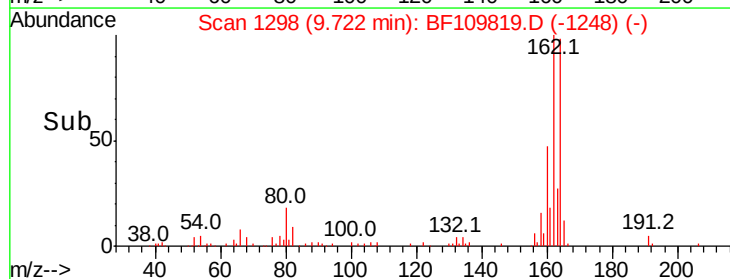
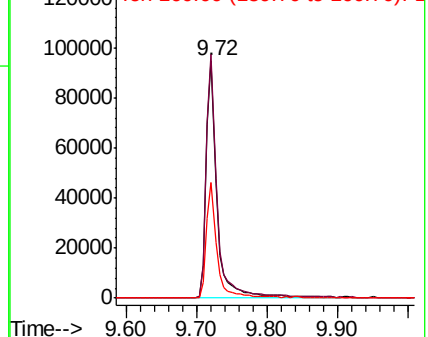
160 48.4 37.0 55.6

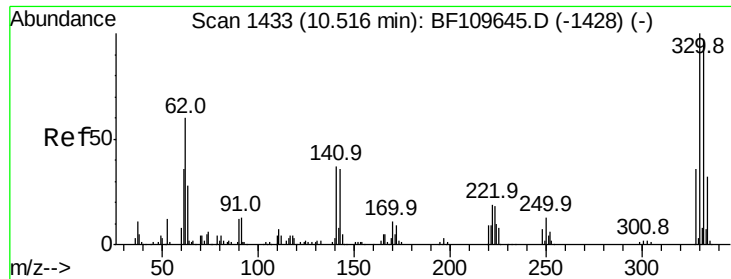


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

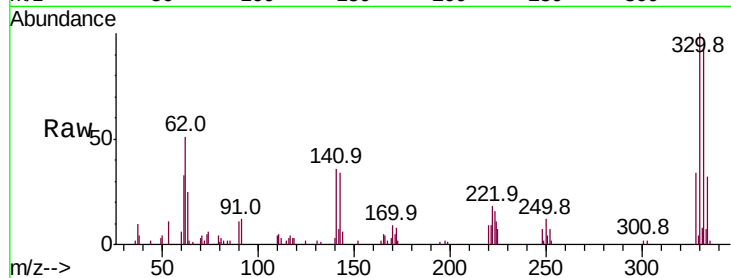




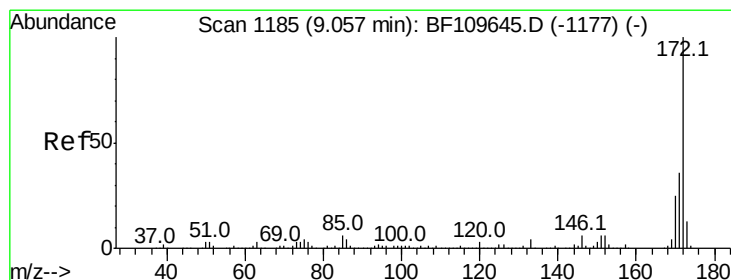
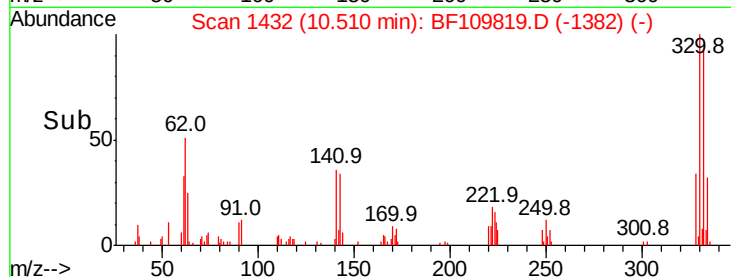
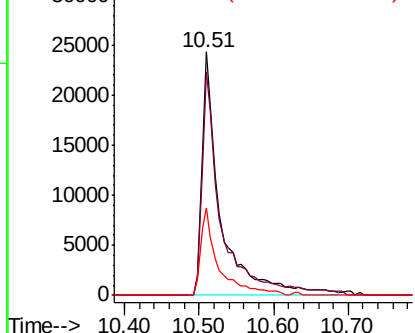
#41  
 2,4,6-Tribromophenol  
 Concen: 38.518 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109819.D  
 Acq: 12 Oct 2018 7:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100418-TIPC-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 88.9  | 77.1  | 115.7 |
| 141     | 33.9  | 27.0  | 40.4  |

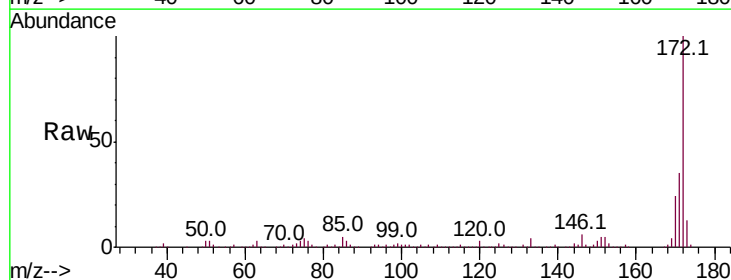


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

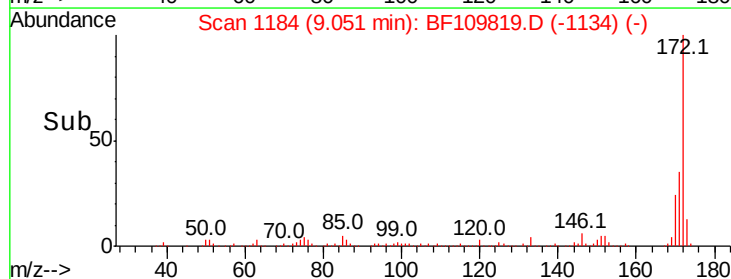
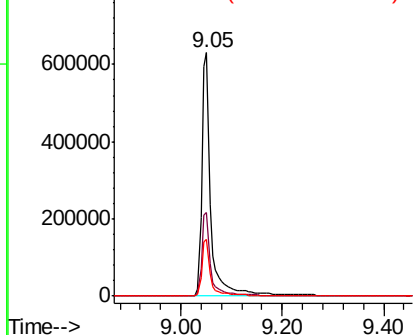


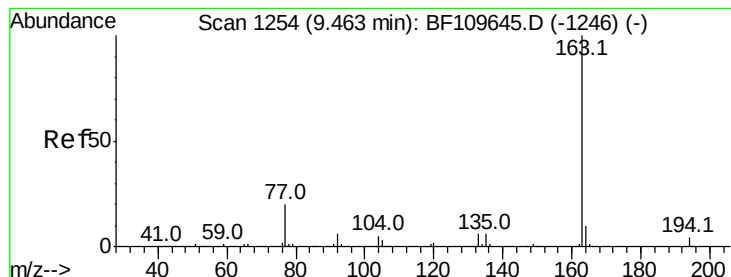
#44  
 2-Fluorobiphenyl  
 Concen: 106.291 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109819.D  
 Acq: 12 Oct 2018 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.6  | 43.0  |
| 170     | 23.5  | 19.7  | 29.5  |



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: 7.989 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

Instrument :

BNA\_F

ClientSampleId :

100418-TIPC-E-D-M

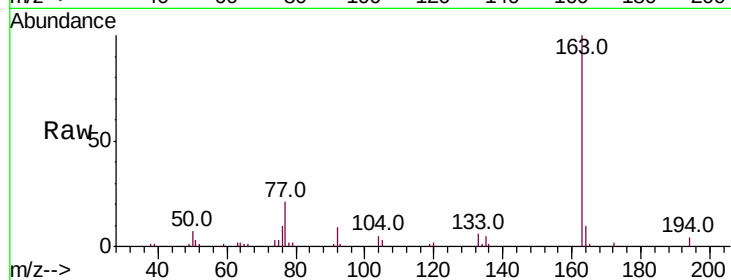
Tot Ion:163 Resp: 60091

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

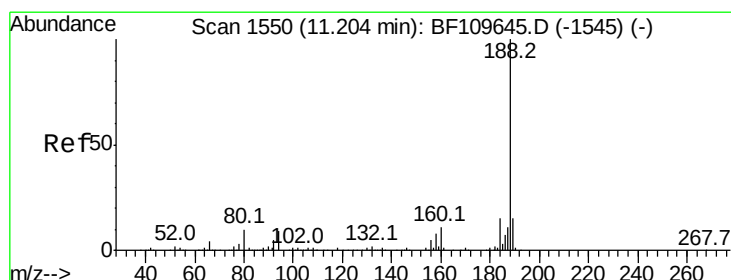
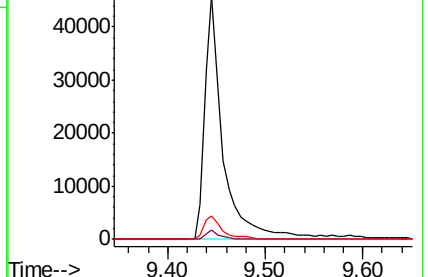
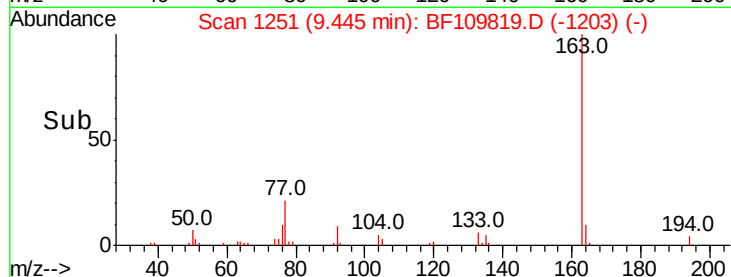
164 9.8 8.1 12.1



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: 11.20 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

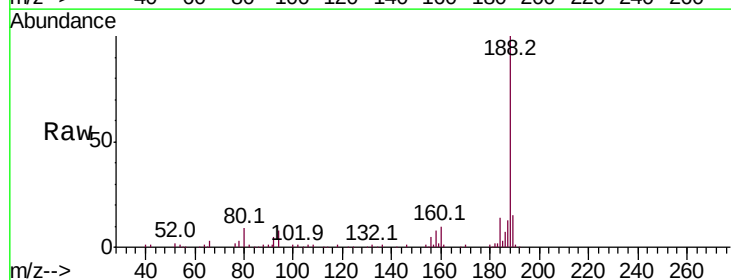
Tgt Ion:188 Resp: 193445

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

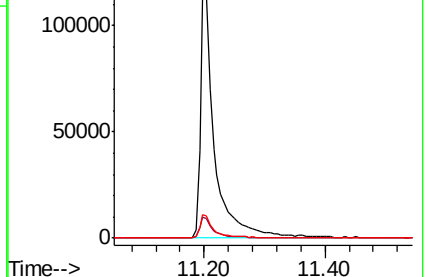
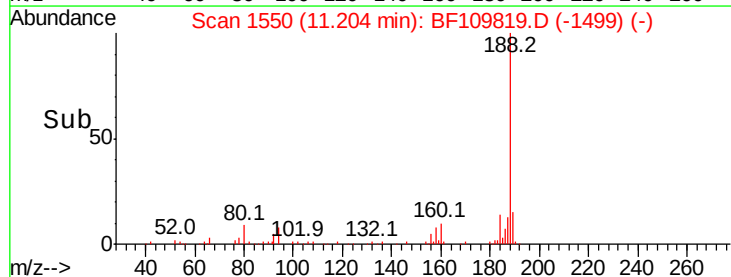
80 9.1 7.9 11.9

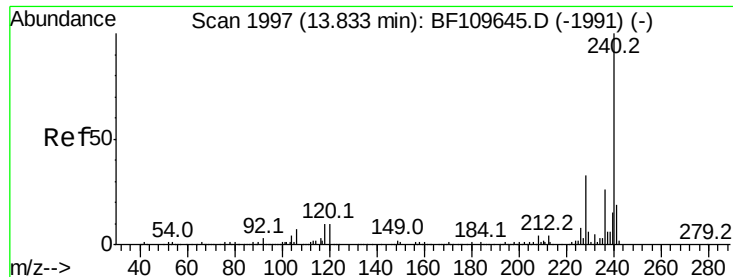


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

Instrument :

BNA\_F

ClientSampleId :

100418-TIPC-E-D-M

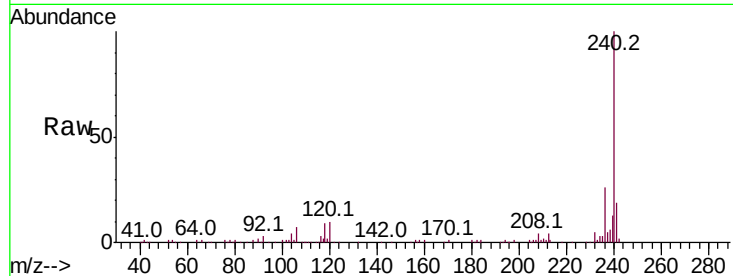
Tot Ion:240 Resp: 225024

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

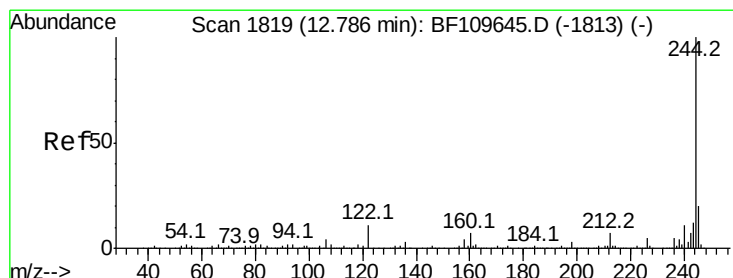
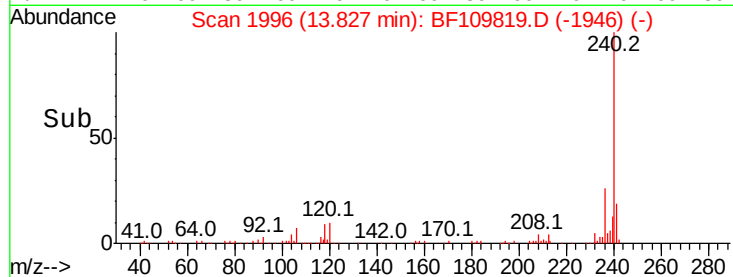
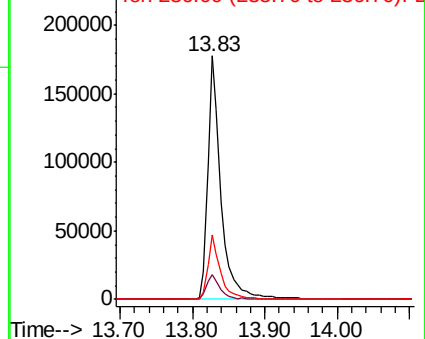
236 26.3 21.2 31.8



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: 73.227 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109819.D

Acq: 12 Oct 2018 7:08

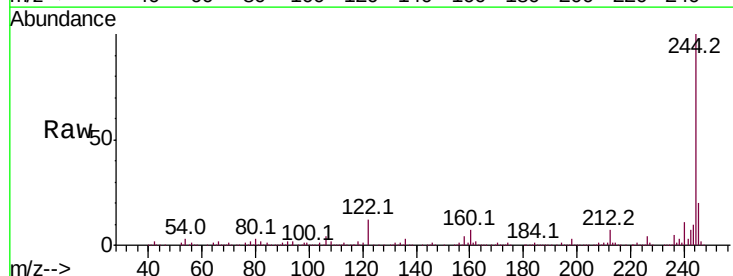
Tgt Ion:244 Resp: 851201

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

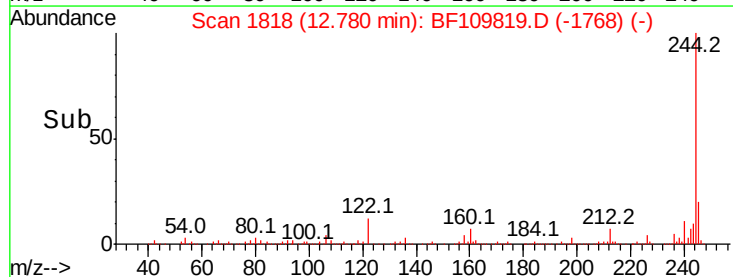
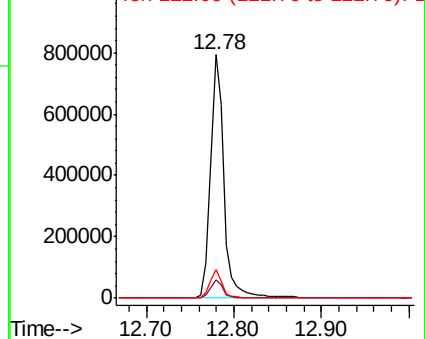
122 12.0 8.7 13.1



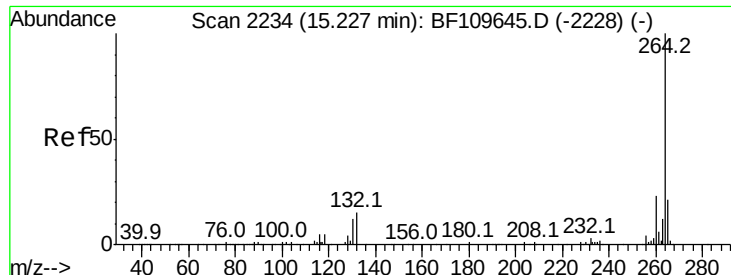
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlone-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2234  
Delta R.T. -0.00 min  
Lab File: BF109819.D  
Acq: 12 Oct 2018 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
100418-TIPC-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.7  | 28.1  |
| 265     | 21.5  | 16.7  | 25.1  |

