

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\  
 Data File : BF112186.D  
 Acq On : 22 Jan 2019 10:50  
 Operator : JU/SJ  
 Sample : K1013-06  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-011819-C

Quant Time: Jan 22 12:30:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 19 01:02:12 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 244075   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 851487   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.89  | 164  | 353896   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.37 | 188  | 609887   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.02 | 240  | 563281   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.48 | 264  | 400849   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1453702  | 108.10 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 1494110  | 88.80  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1282534  | 104.06 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 502385   | 131.59 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 2345737  | 97.18  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.96 | 244  | 2415263  | 91.22  | ng    | -0.01    |

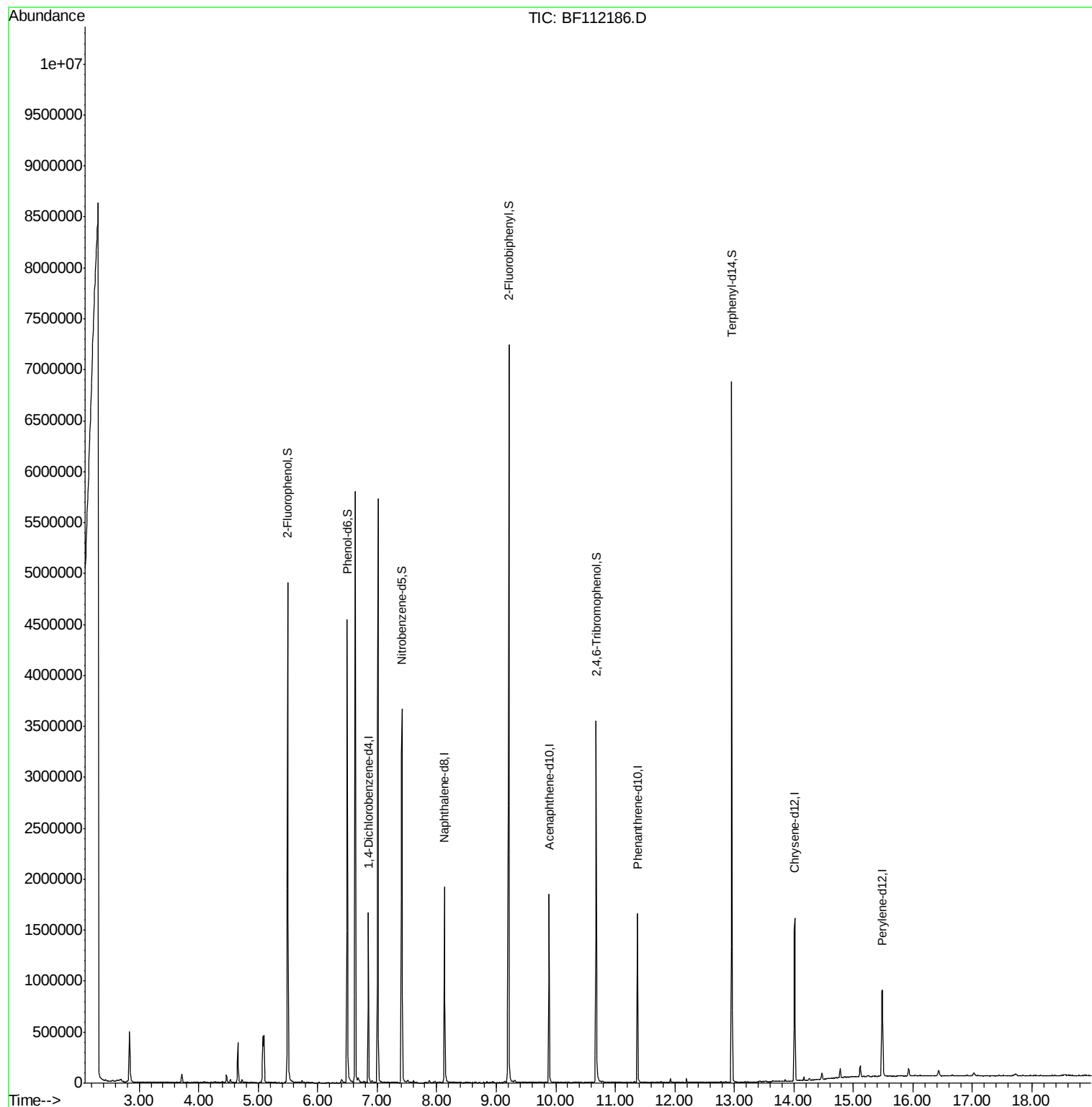
Target Compounds Qvalue

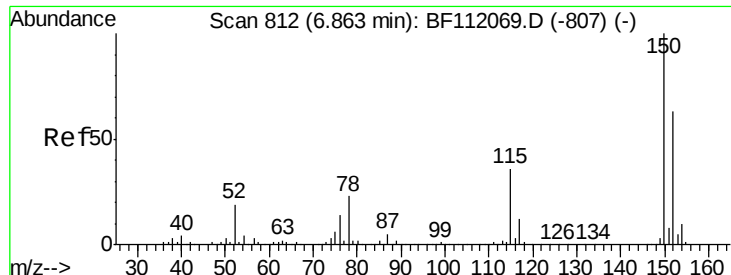
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 19 01:02:12 2019  
Response via : Initial Calibration



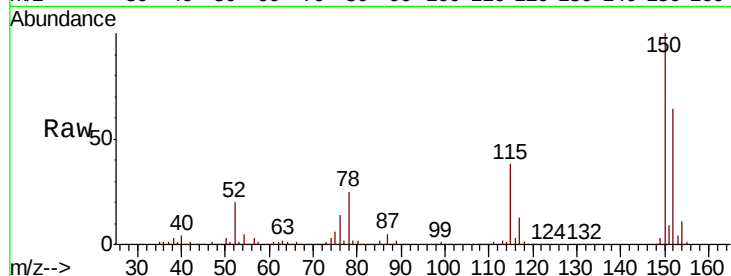


#1

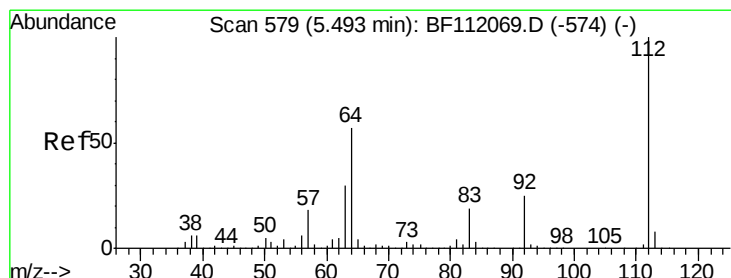
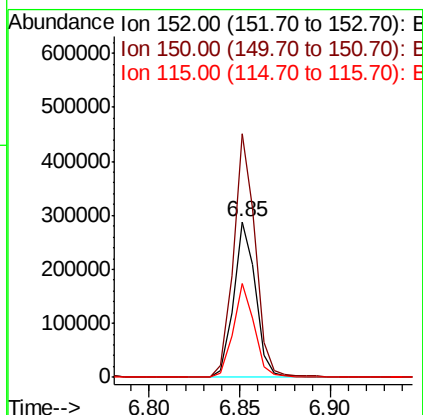
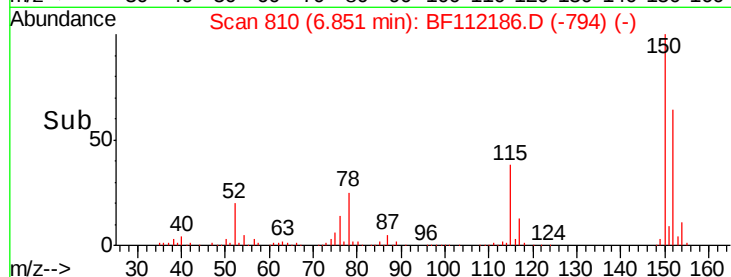
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-011819-C

Tot Ion:152 Resp: 244075  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 127.4 191.0  
 115 60.2 45.5 68.3



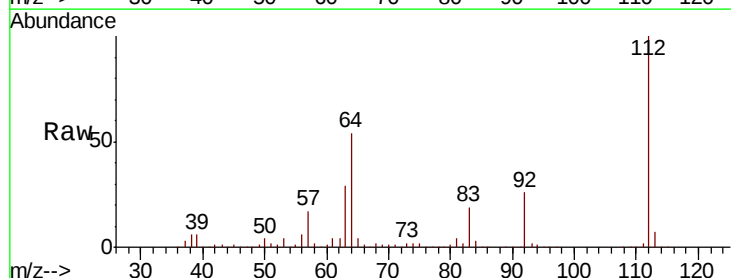
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



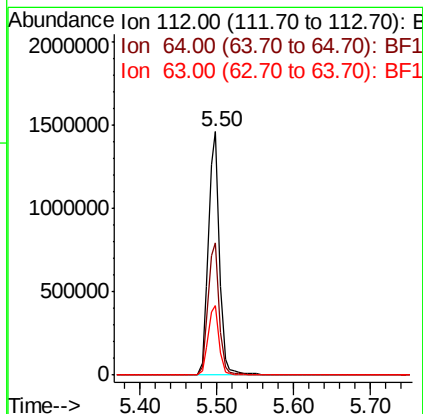
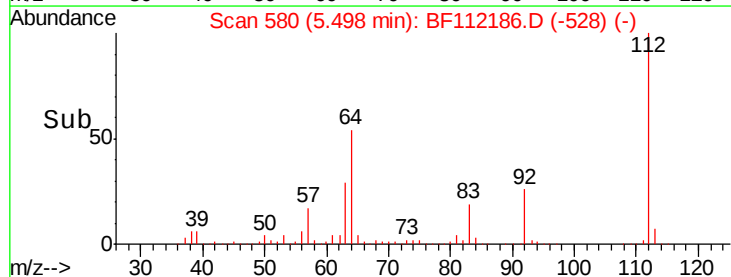
#5

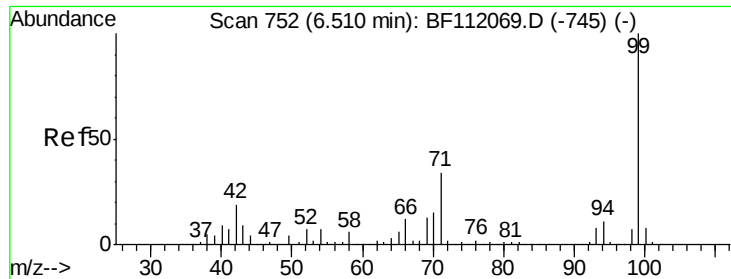
2-Fluorophenol  
 Concen: 108.103 ng  
 RT: 5.50 min Scan# 580  
 Delta R.T. 0.01 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

Tgt Ion:112 Resp: 1453702  
 Ion Ratio Lower Upper  
 112 100  
 64 54.2 45.7 68.5  
 63 28.5 23.6 35.4



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: 88.804 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

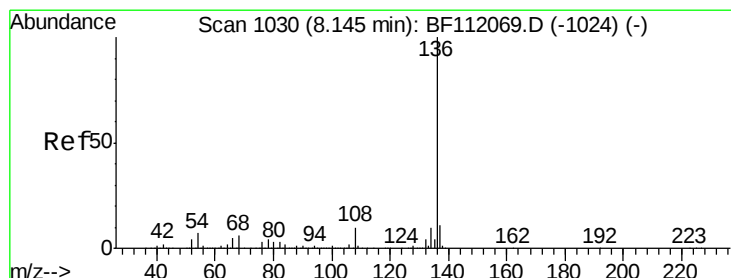
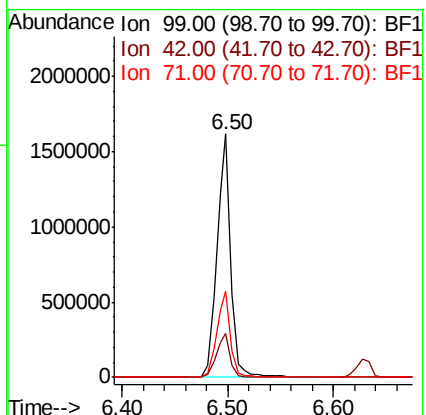
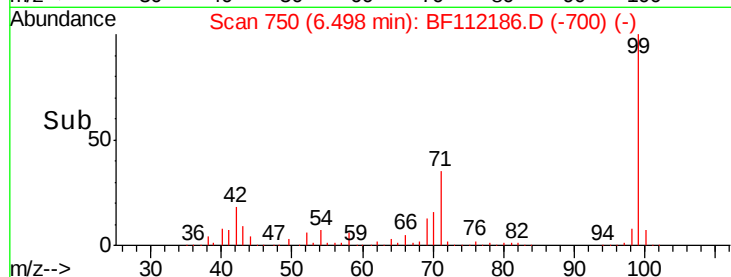
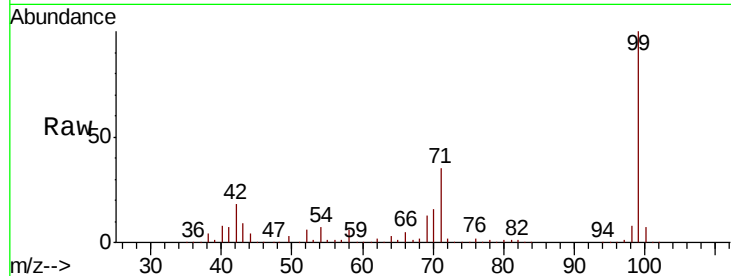
BNA\_F

ClientSampleId :

PL-01-011819-C

Tot Ion: 99 Resp: 1494110

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.2  | 15.1  | 22.7  |
| 71  | 35.5  | 26.9  | 40.3  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

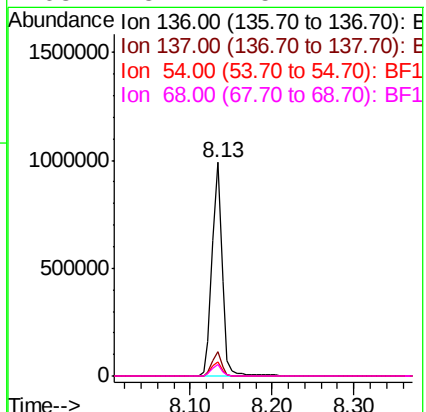
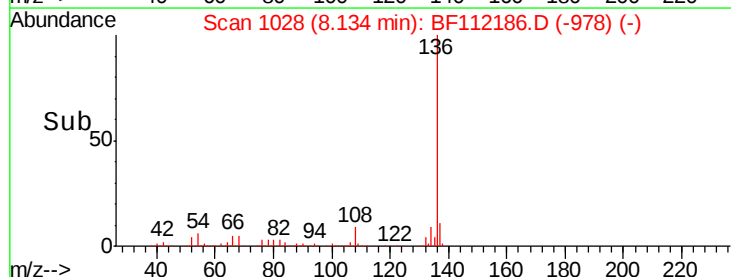
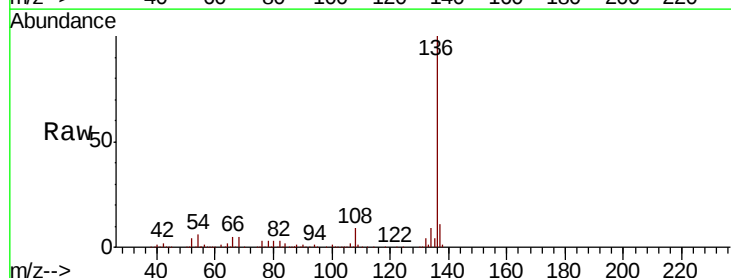
Delta R.T. -0.01 min

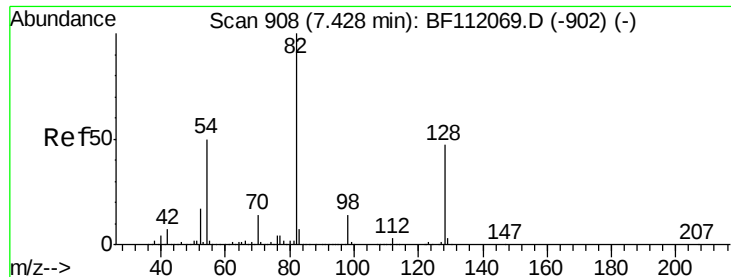
Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Tgt Ion: 136 Resp: 851487

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.1   | 13.7  |
| 54  | 6.4   | 5.9   | 8.9   |
| 68  | 5.1   | 5.1   | 7.7   |





#23

Nitrobenzene-d5

Concen: 104.064 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA\_F

ClientSampleId :

PL-01-011819-C

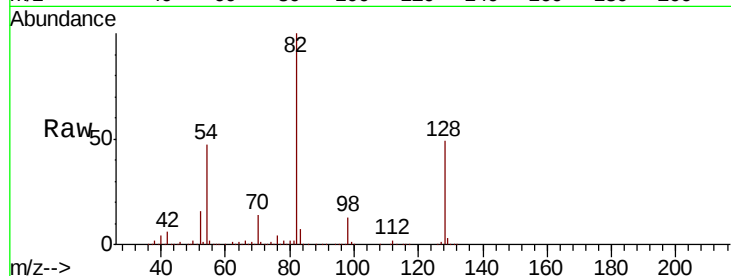
Tot Ion: 82 Resp: 1282534

Ion Ratio Lower Upper

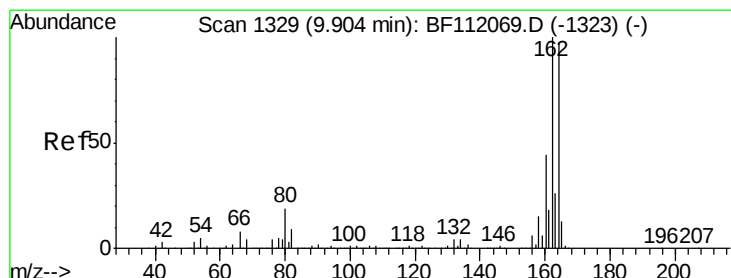
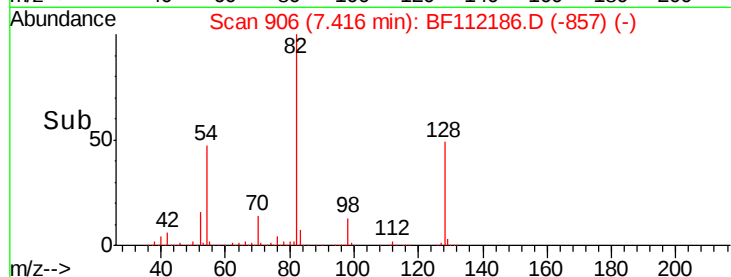
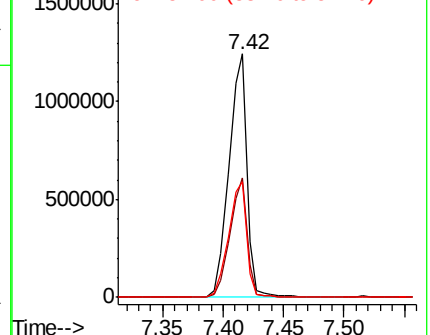
82 100

128 49.3 37.8 56.8

54 47.4 39.7 59.5



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

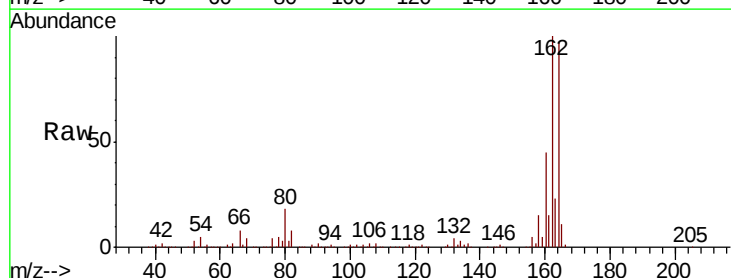
Tgt Ion:164 Resp: 353896

Ion Ratio Lower Upper

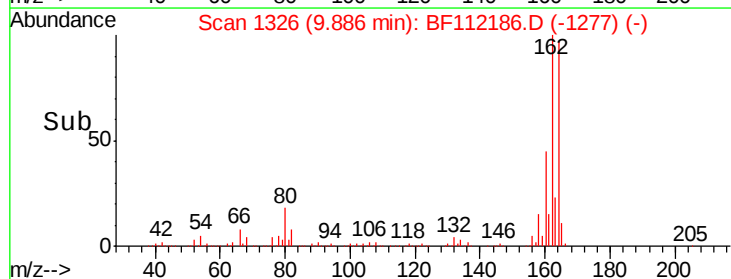
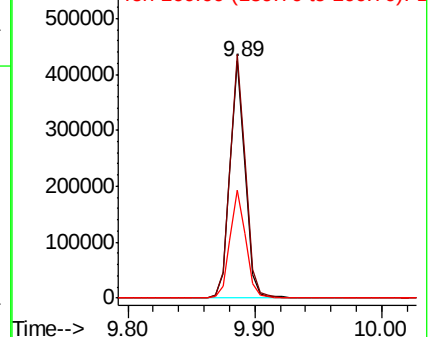
164 100

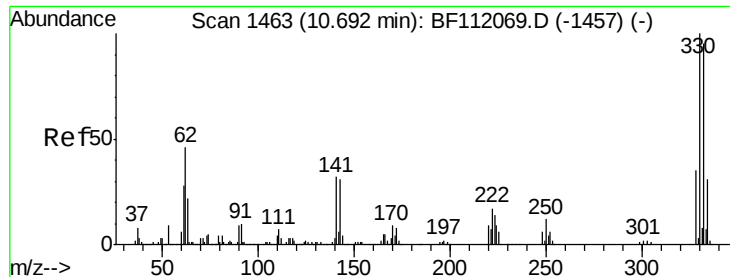
162 102.9 82.2 123.4

160 45.8 36.2 54.4



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

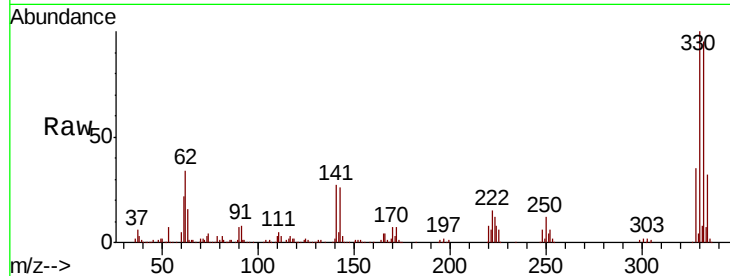




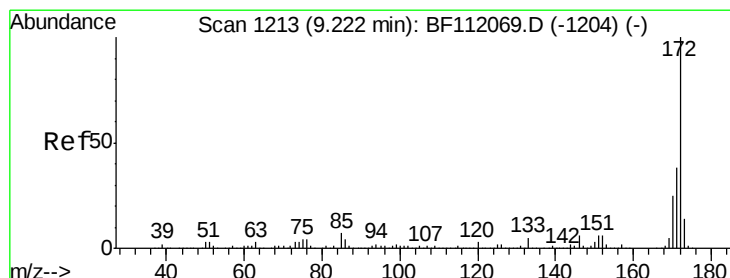
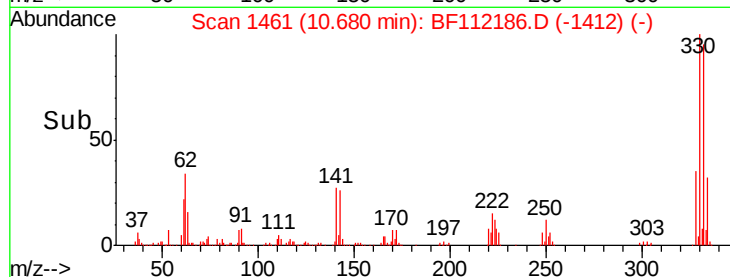
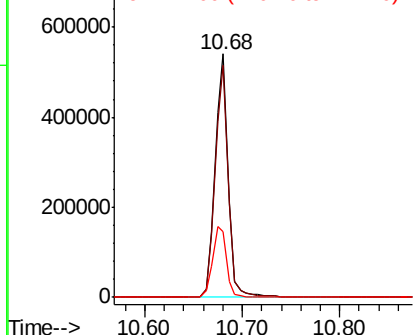
#42  
 2,4,6-Tribromophenol  
 Concen: 131.592 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-011819-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 76.6  | 114.8 |
| 141     | 31.3  | 24.3  | 36.5  |

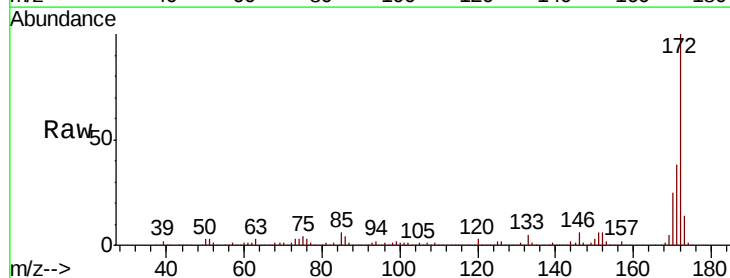


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

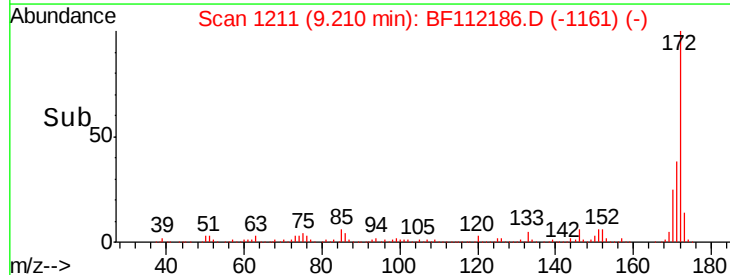
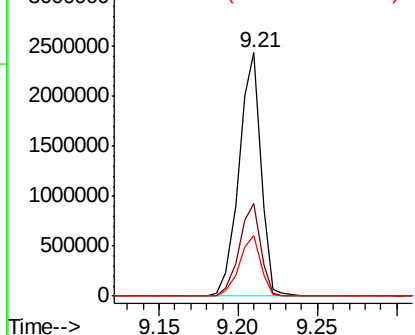


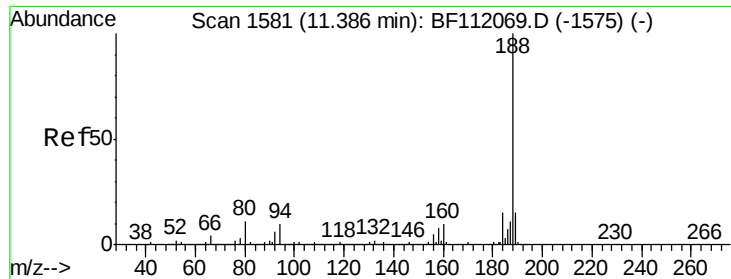
#45  
 2-Fluorobiphenyl  
 Concen: 97.179 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.3  | 30.5  | 45.7  |
| 170     | 24.7  | 20.2  | 30.4  |



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

Instrument :

BNA\_F

ClientSampleId :

PL-01-011819-C

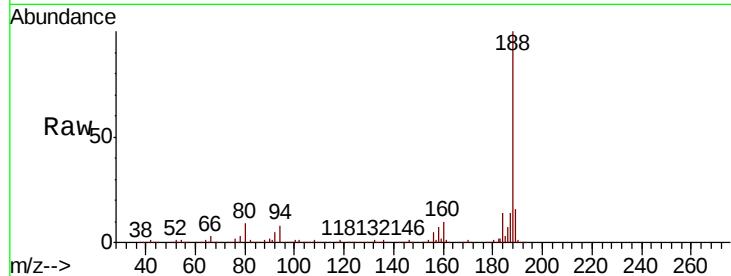
Tot Ion:188 Resp: 609887

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

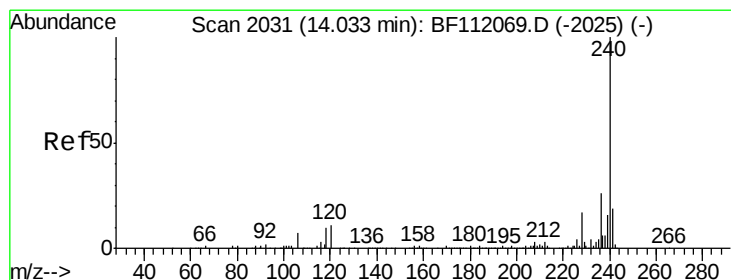
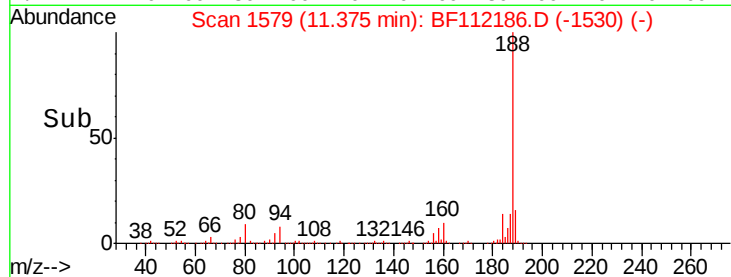
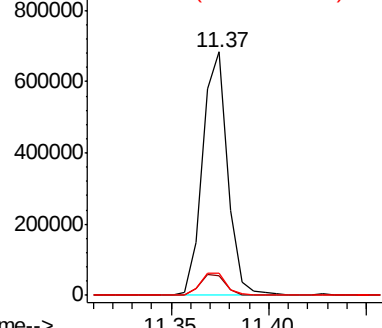
80 9.1 8.9 13.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF112186.D

Acq: 22 Jan 2019 10:50

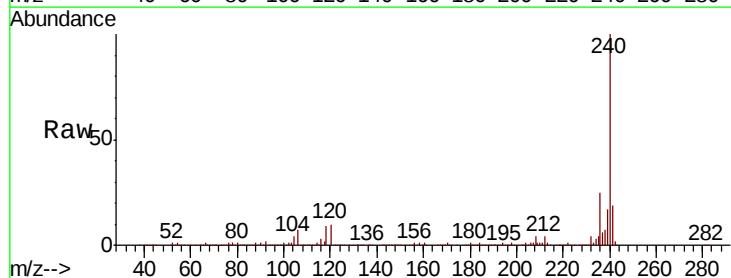
Tgt Ion:240 Resp: 563281

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

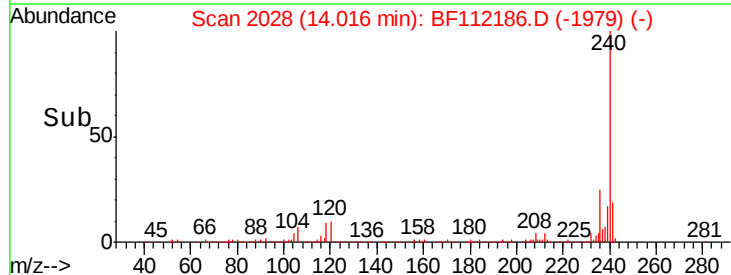
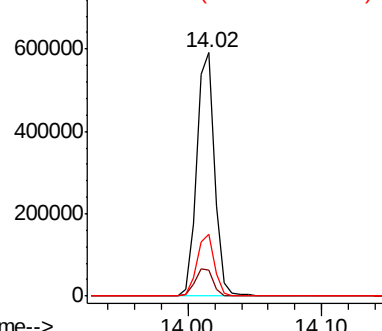
236 25.2 20.7 31.1

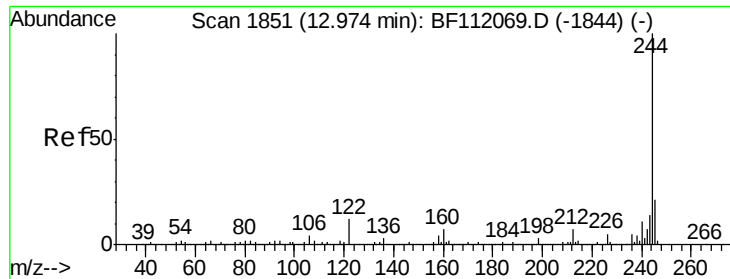


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

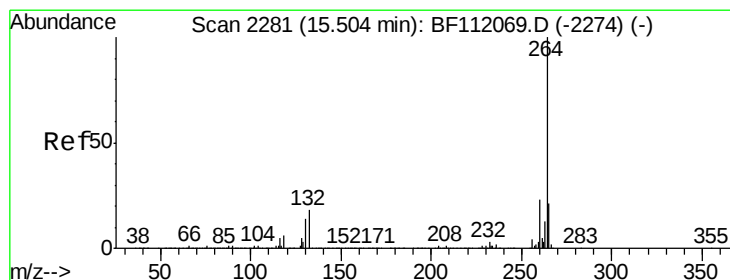
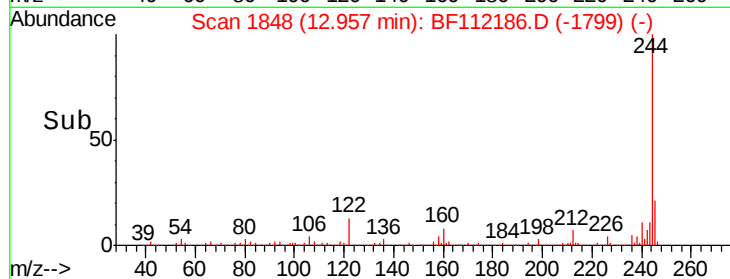
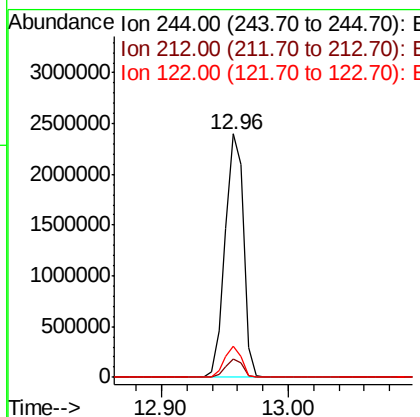
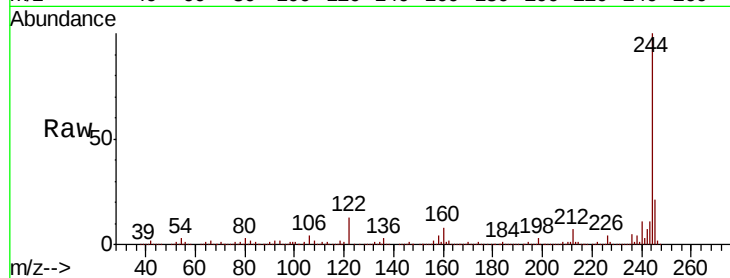




#79  
 Terphenyl-d14  
 Concen: 91.219 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.01 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

Instrument :  
 BNA\_F  
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 PL-01-011819-C

Tot Ion:244 Resp: 2415263  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.9 8.9  
 122 12.8 9.8 14.6



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2277  
 Delta R.T. -0.02 min  
 Lab File: BF112186.D  
 Acq: 22 Jan 2019 10:50

Tgt Ion:264 Resp: 400849  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.2 27.2  
 265 21.2 17.0 25.4

