

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\  
 Data File : BF109761.D  
 Acq On : 11 Oct 2018 00:02  
 Operator : JU/SJ  
 Sample : J5365-01 10X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CY-1

Quant Time: Oct 11 07:12:55 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   | 6.69  | 152  | 69833    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 287687   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 101787   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.23 | 188  | 140409   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12            | 13.84 | 240  | 173976   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12            | 15.23 | 264  | 169668   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 10740    | 2.73  | ng    | 0.07     |
| 7) Phenol-d6                | 6.39  | 99   | 10817    | 2.06  | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 36704    | 7.03  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 8582     | 7.74  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 71682    | 9.70  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.80 | 244  | 48939    | 5.45  | ng    | 0.01     |

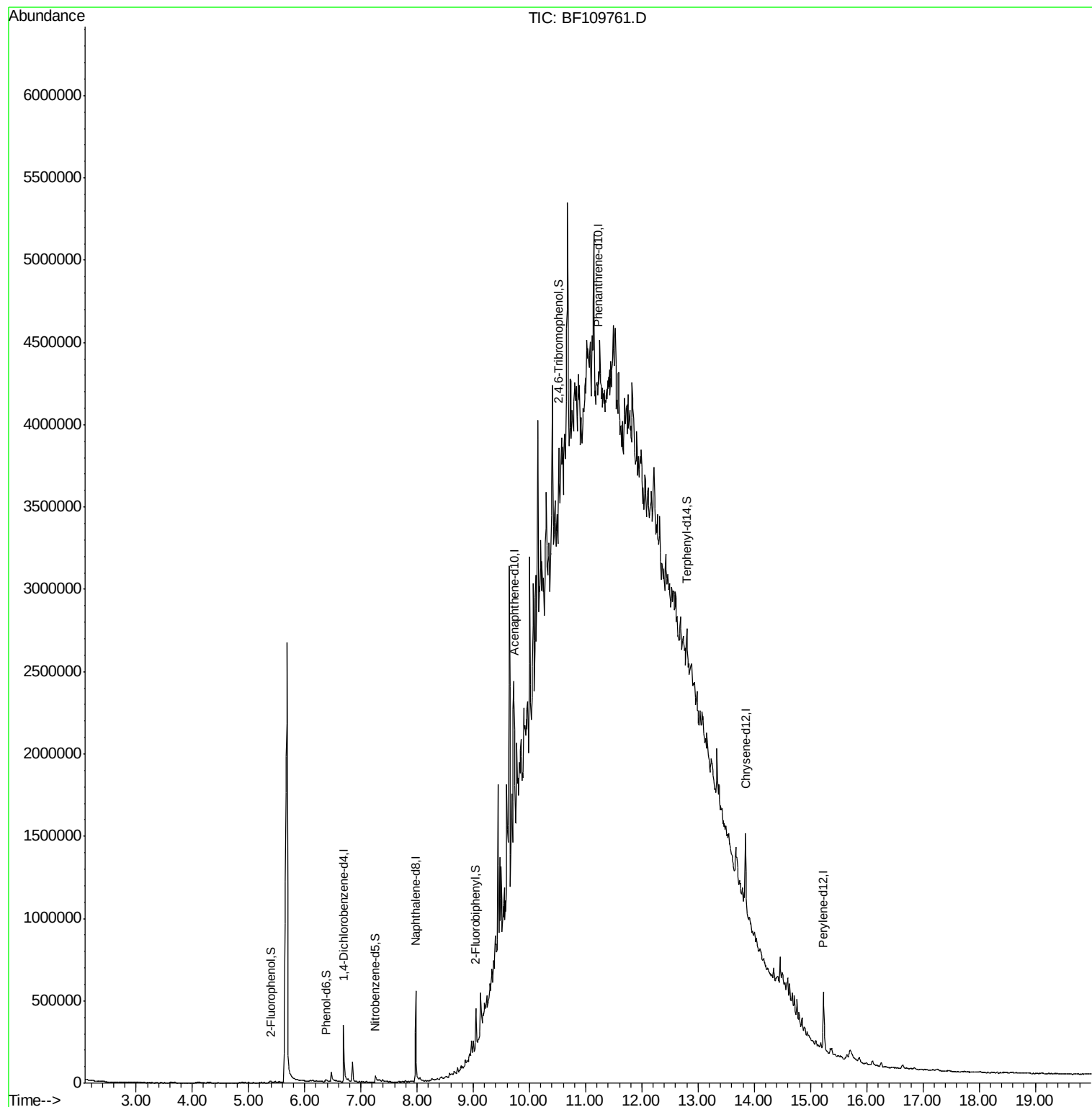
Target Compounds Qvalue

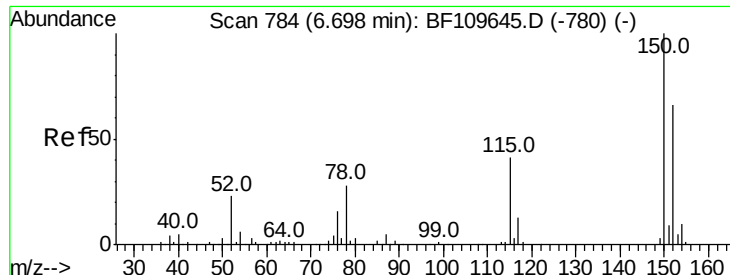
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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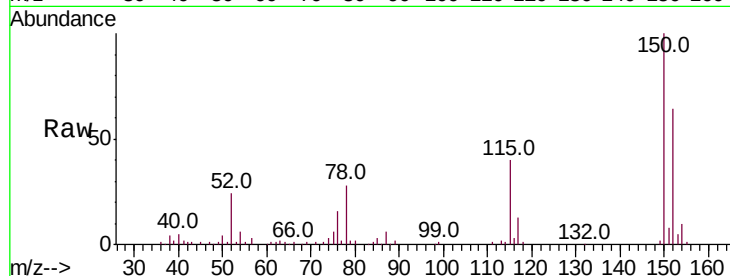


#1

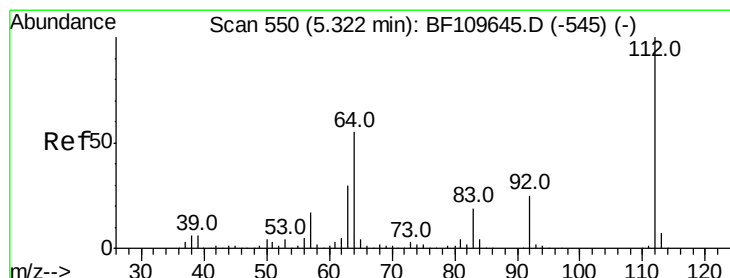
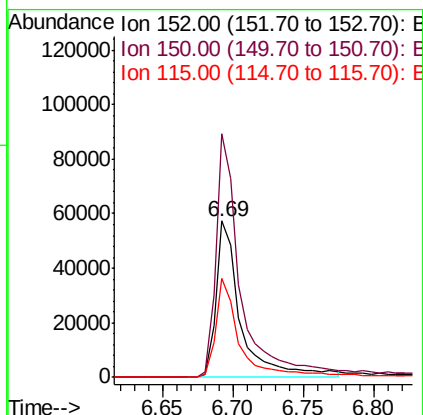
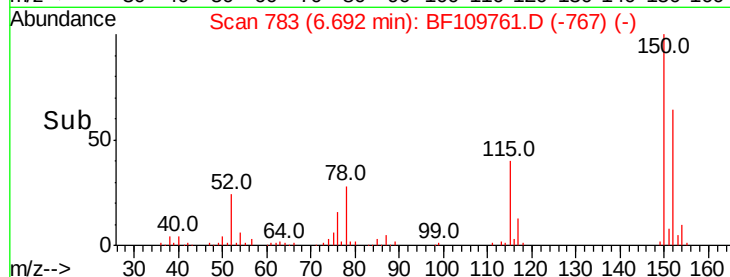
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF109761.D  
Acq: 11 Oct 2018 00:02

Instrument :  
BNA\_F  
ClientSampled :  
CY-1

Tot Ion:152 Resp: 69833  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.7 184.1  
115 63.2 49.1 73.7



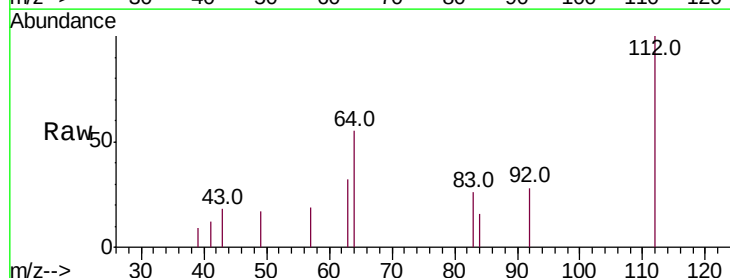
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



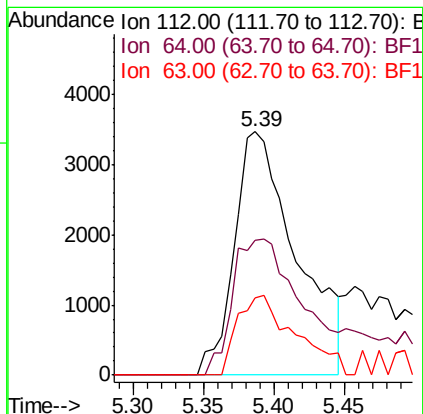
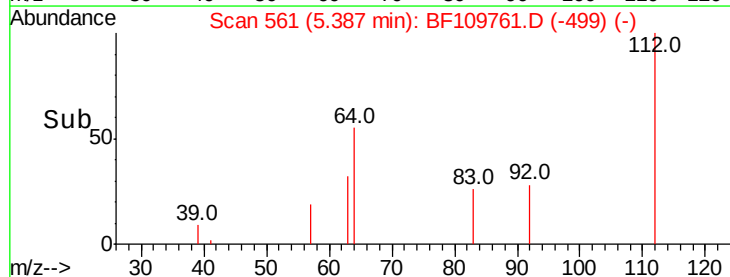
#5

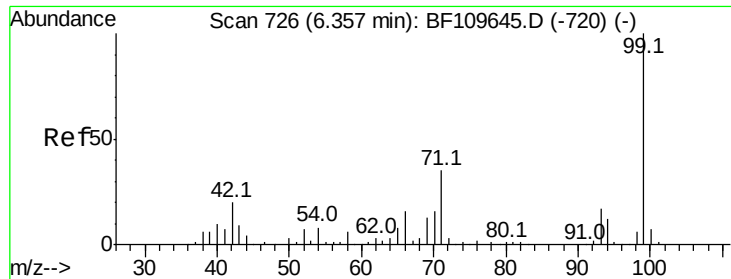
2-Fluorophenol  
Concen: 2.730 ng  
RT: 5.39 min Scan# 561  
Delta R.T. 0.07 min  
Lab File: BF109761.D  
Acq: 11 Oct 2018 00:02

Tgt Ion:112 Resp: 10740  
Ion Ratio Lower Upper  
112 100  
64 55.2 44.1 66.1  
63 31.6 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: 2.058 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF109761.D

Acq: 11 Oct 2018 00:02

Instrument :

BNA\_F

ClientSampleId :

CY-1

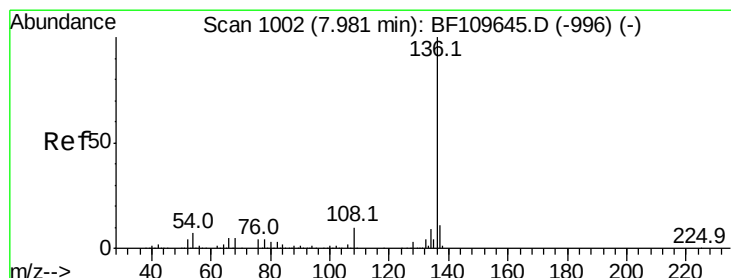
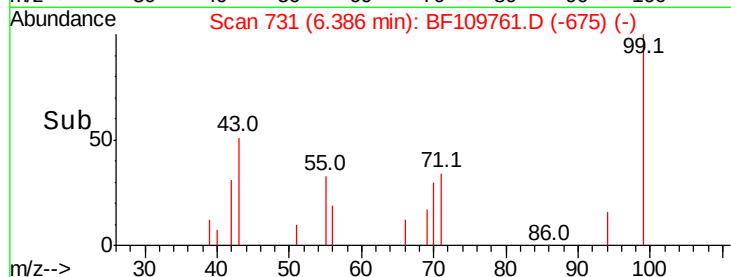
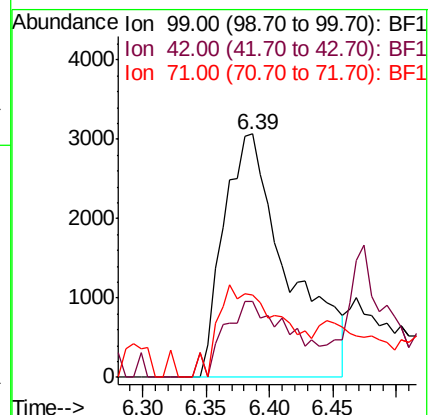
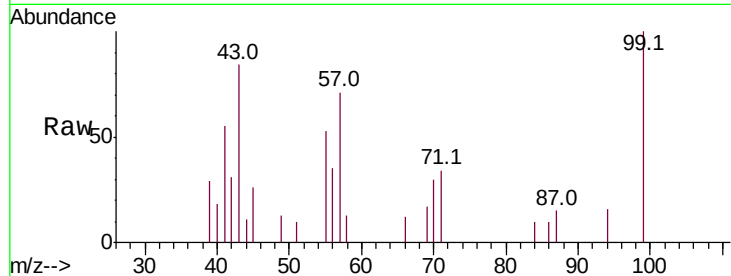
Tot Ion: 99 Resp: 10817

Ion Ratio Lower Upper

99 100

42 31.0 15.8 23.6#

71 33.8 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: BF109761.D

Acq: 11 Oct 2018 00:02

Tgt Ion: 136 Resp: 287687

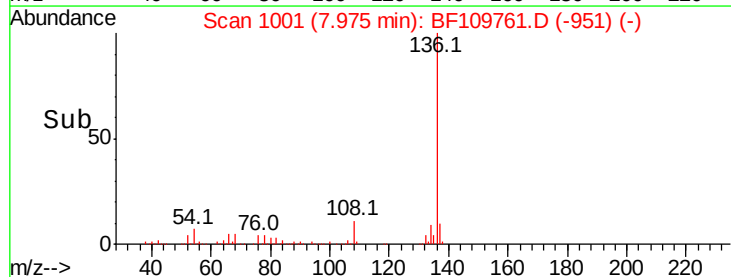
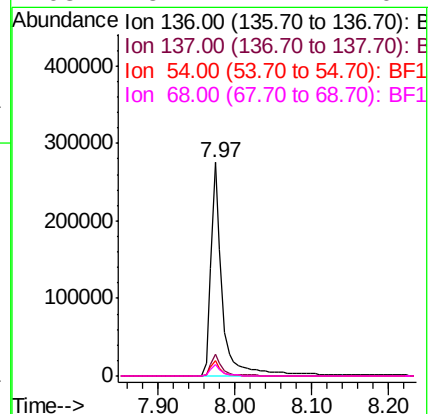
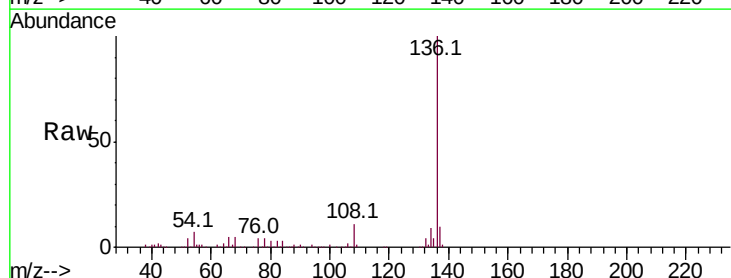
Ion Ratio Lower Upper

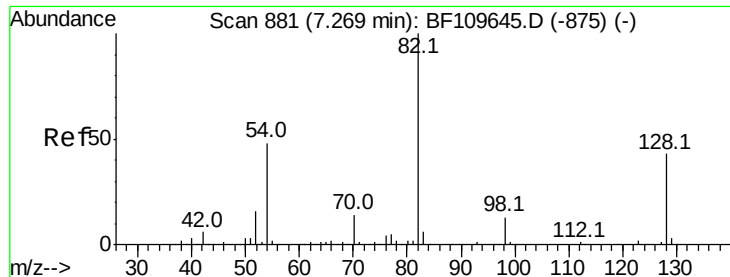
136 100

137 10.5 8.8 13.2

54 7.0 5.4 8.2

68 5.4 4.2 6.2

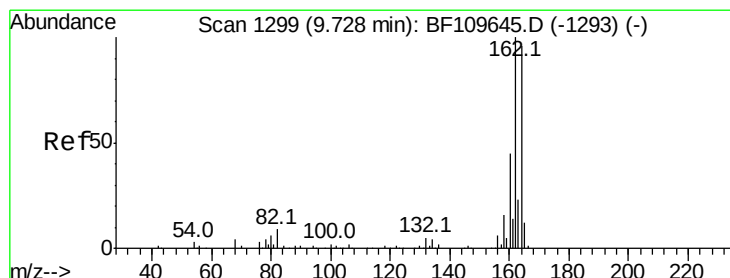
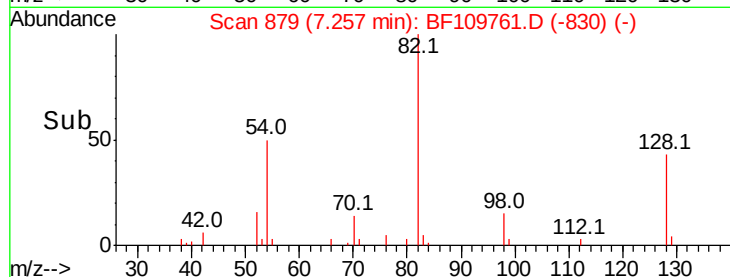
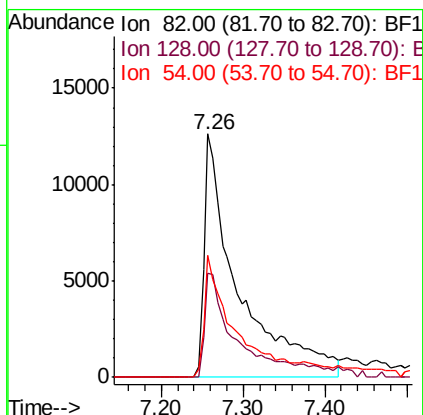
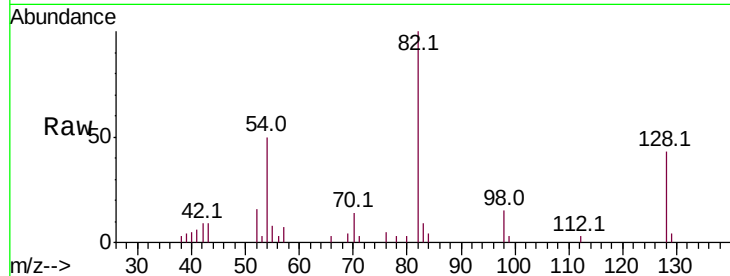




#23  
 Nitrobenzene-d5  
 Concen: 7.033 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

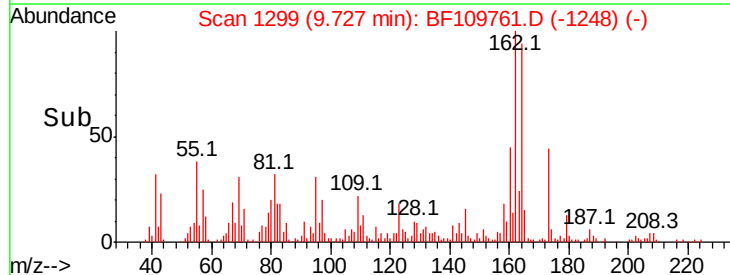
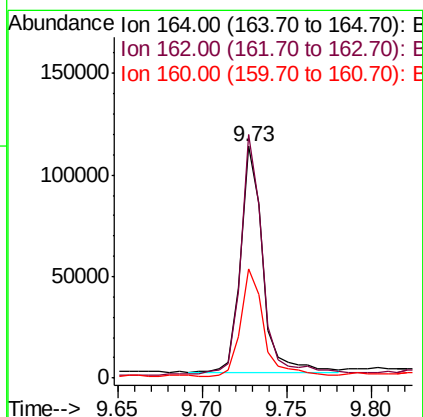
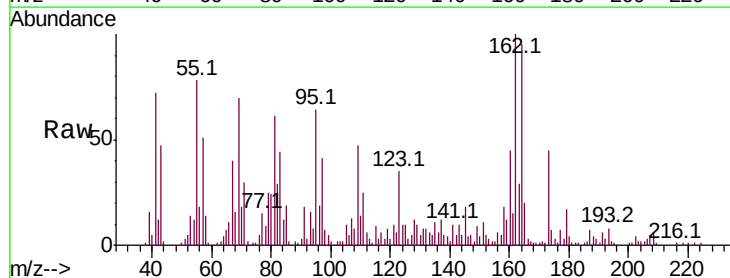
Instrument :  
 BNA\_F  
 ClientSampleID :  
 CY-1

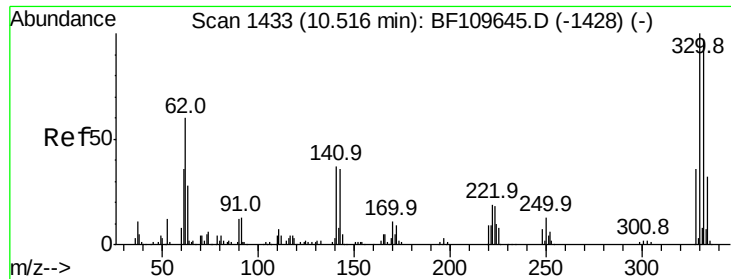
Tot Ion: 82 Resp: 36704  
 Ion Ratio Lower Upper  
 82 100  
 128 42.9 34.2 51.2  
 54 50.3 38.6 58.0



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.00 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

Tgt Ion: 164 Resp: 101787  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 83.0 124.6  
 160 47.4 37.0 55.6

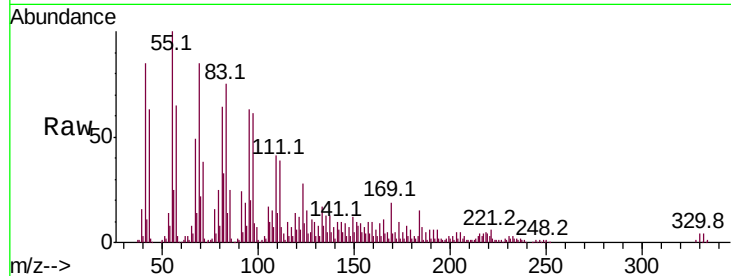




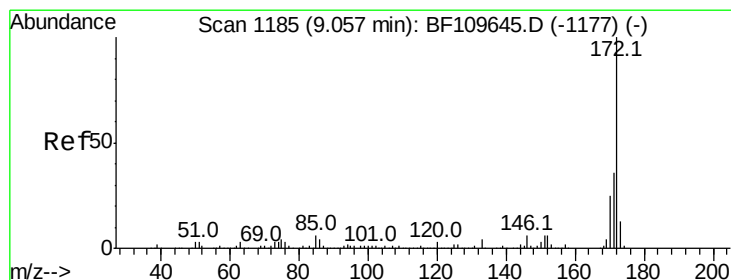
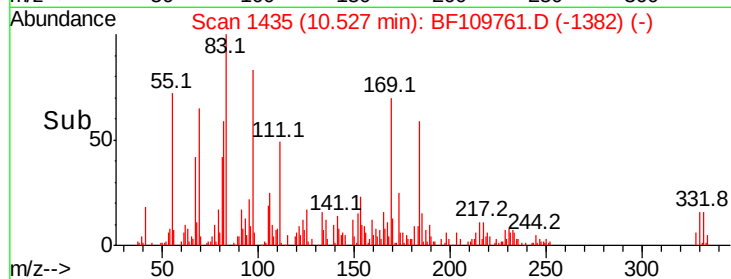
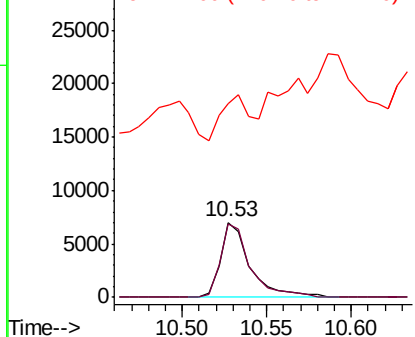
#41  
 2,4,6-Tribromophenol  
 Concen: 7.738 ng  
 RT: 10.53 min Scan# 1435  
 Delta R.T. 0.01 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

Instrument :  
 BNA\_F  
 ClientSampled :  
 CY-1

Tot Ion:330 Resp: 8582  
 Ion Ratio Lower Upper  
 330 100  
 332 98.5 77.1 115.7  
 141 59.6 27.0 40.4#

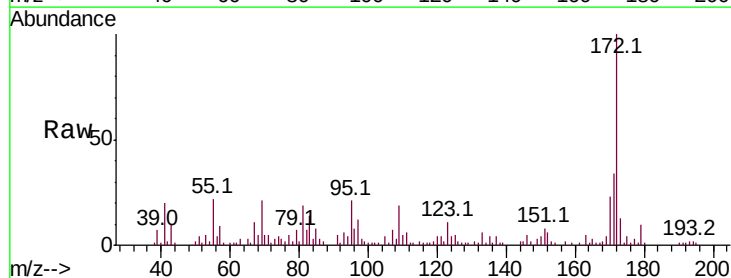


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

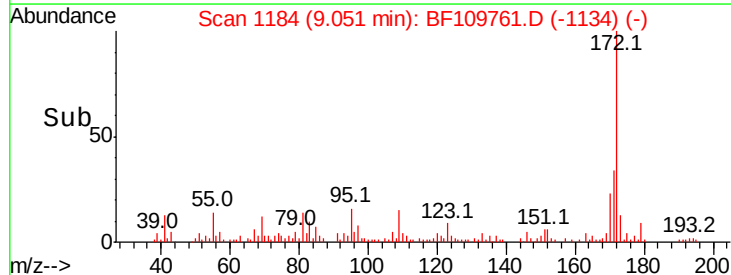
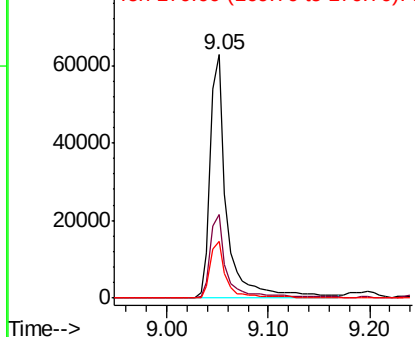


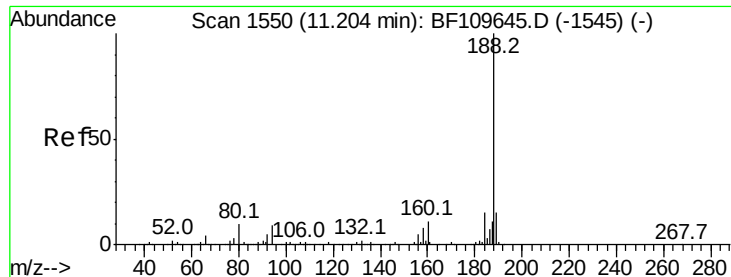
#44  
 2-Fluorobiphenyl  
 Concen: 9.699 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

Tgt Ion:172 Resp: 71682  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. 0.02 min

Lab File: BF109761.D

Acq: 11 Oct 2018 00:02

Instrument :

BNA\_F

ClientSampleId :

CY-1

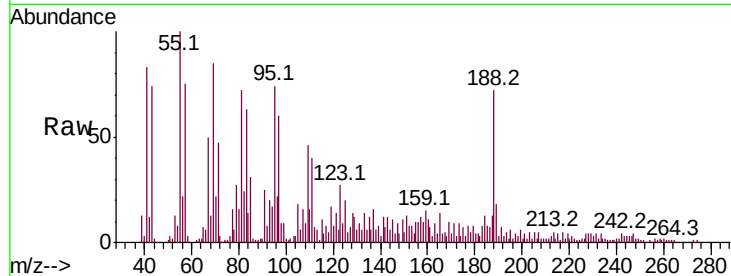
Tot Ion:188 Resp: 140409

Ion Ratio Lower Upper

188 100

94 23.1 7.2 10.8#

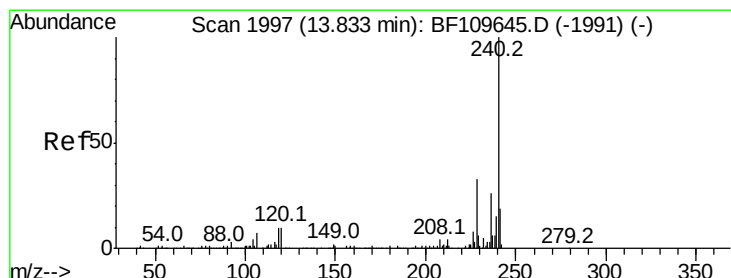
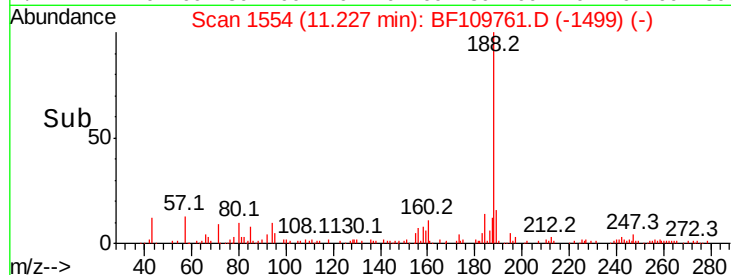
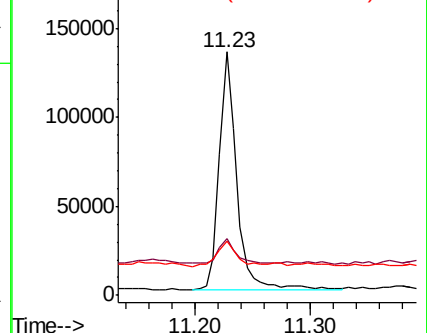
80 22.5 7.9 11.9#



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: 13.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF109761.D

Acq: 11 Oct 2018 00:02

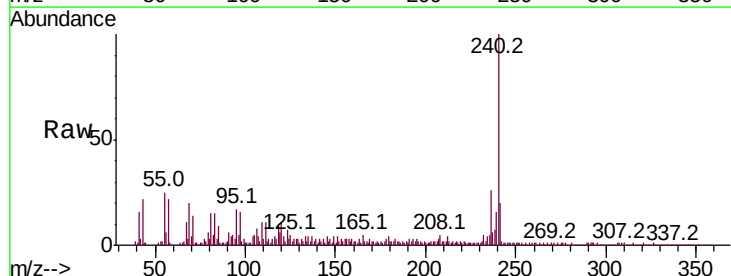
Tgt Ion:240 Resp: 173976

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

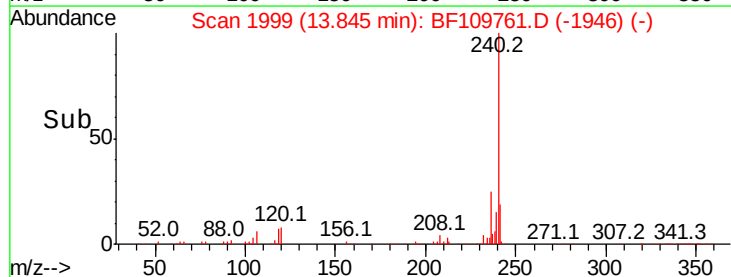
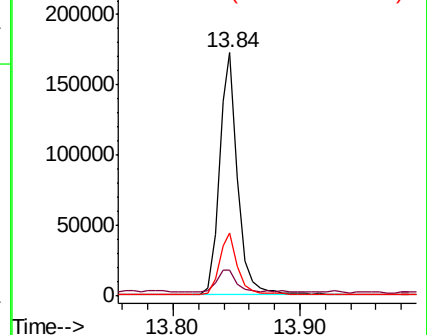
236 25.9 21.2 31.8

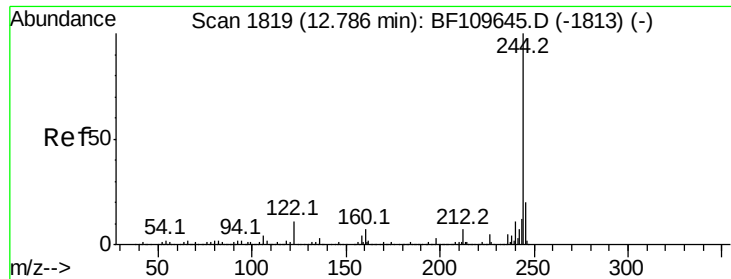


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

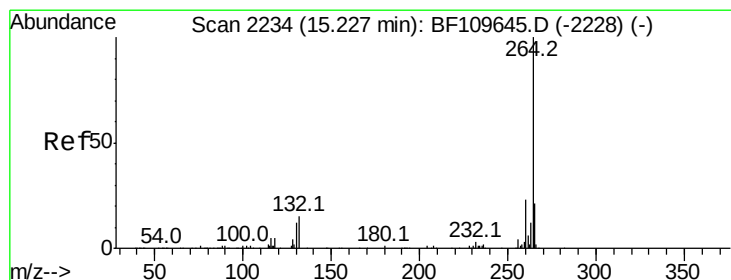
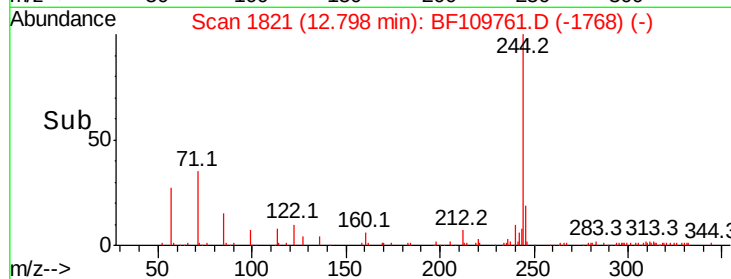
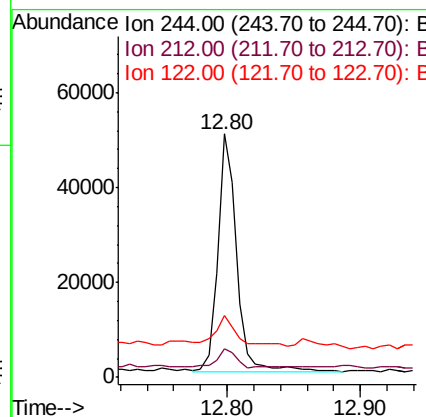
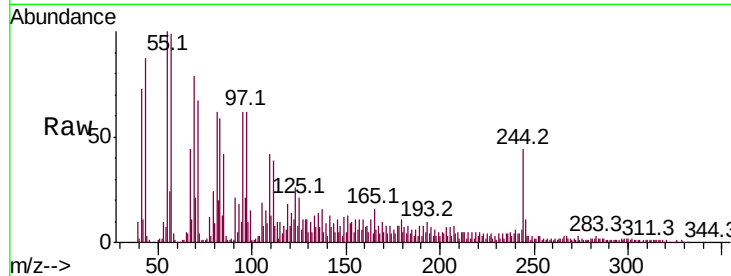




#78  
 Terphenyl-d14  
 Concen: 5.445 ng  
 RT: 12.80 min Scan# 1821  
 Delta R.T. 0.01 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

Instrument :  
 BNA\_F  
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 CY-1

Tot Ion:244 Resp: 48939  
 Ion Ratio Lower Upper  
 244 100  
 212 11.9 5.8 8.8#  
 122 25.5 8.7 13.1#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. 0.01 min  
 Lab File: BF109761.D  
 Acq: 11 Oct 2018 00:02

Tgt Ion:264 Resp: 169668  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 18.7 28.1  
 265 20.9 16.7 25.1

