

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\  
 Data File : BF083591.D  
 Acq On : 8 Dec 2015 9:44  
 Operator : UM/IZ  
 Sample : G4588-22  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELDBLANK-1

Quant Time: Dec 08 10:33:15 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 05 04:12:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.72  | 152  | 200750   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 7.62  | 136  | 718318   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 10.41 | 164  | 316332   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10        | 12.81 | 188  | 489893   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 17.01 | 240  | 440694   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 18.65 | 264  | 323552   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.00  | 112  | 795962   | 60.15  | ng    | -0.03    |
| 7) Phenol-d6                | 5.29  | 99   | 633171   | 34.73  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 6.56  | 82   | 1378105  | 89.68  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 11.71 | 330  | 332932   | 114.09 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 2079690  | 89.17  | ng    | -0.06    |
| 78) Terphenyl-d14           | 15.45 | 244  | 1589560  | 80.26  | ng    | -0.03    |

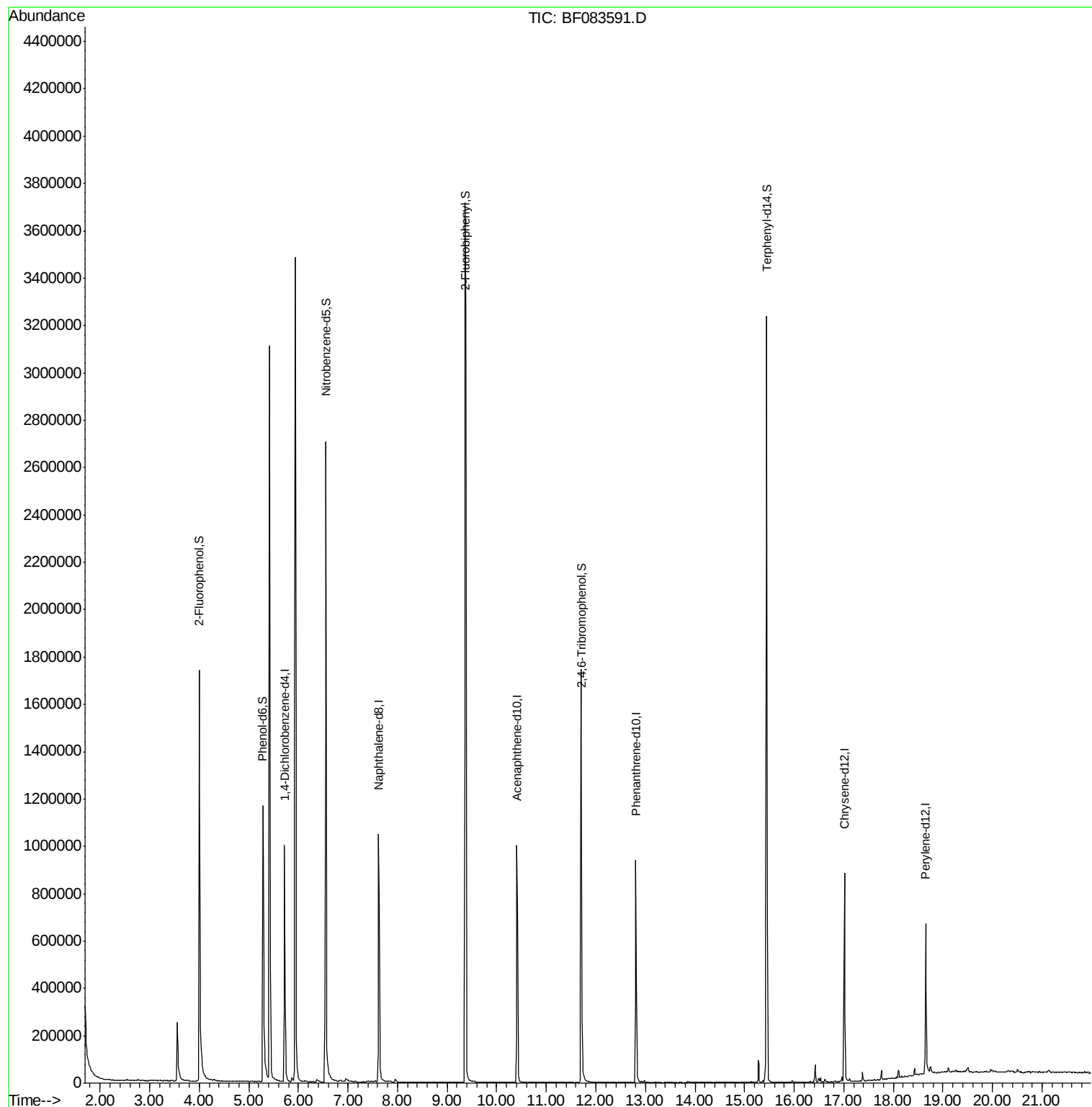
Target Compounds Qvalue

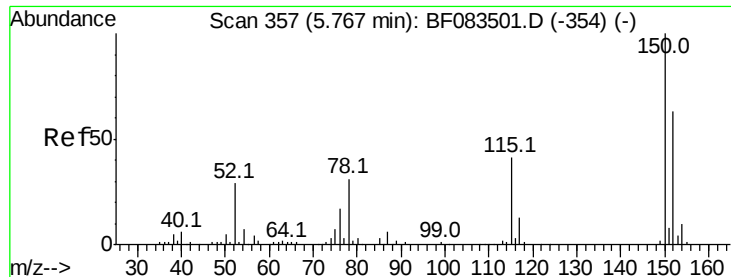
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 39 Sample Multiplier: 1

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Quant Time: Dec 08 10:33:15 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 05 04:12:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083591.D

Acq: 8 Dec 2015 9:44

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1

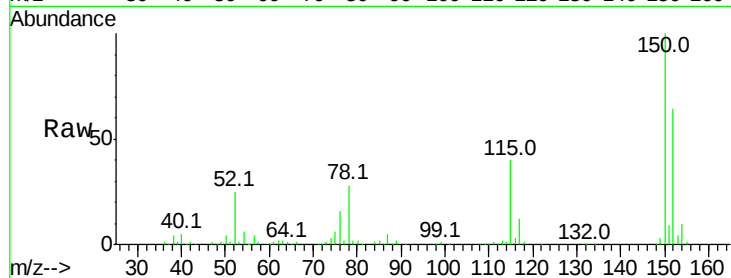
Tot Ion:152 Resp: 200750

Ion Ratio Lower Upper

152 100

150 156.8 126.5 189.7

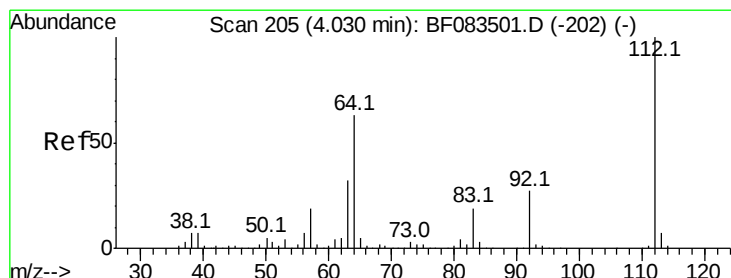
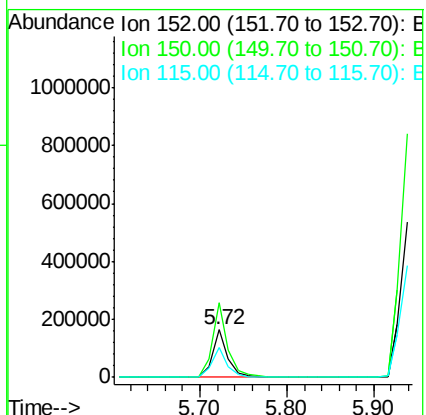
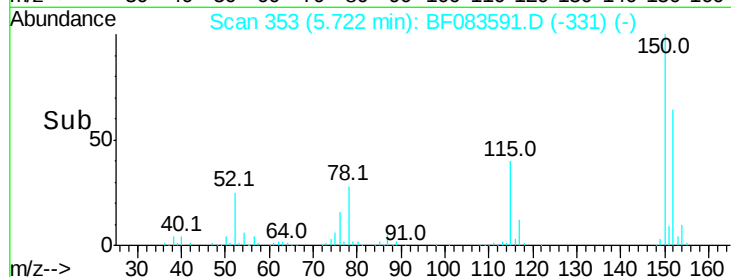
115 62.2 52.3 78.5



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: 60.15 ng

RT: 4.00 min Scan# 202

Delta R.T. -0.03 min

Lab File: BF083591.D

Acq: 8 Dec 2015 9:44

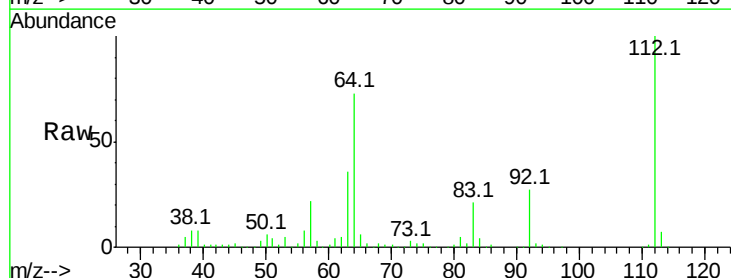
Tgt Ion:112 Resp: 795962

Ion Ratio Lower Upper

112 100

64 72.7 50.5 75.7

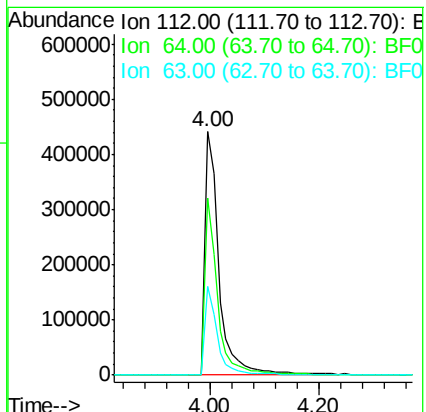
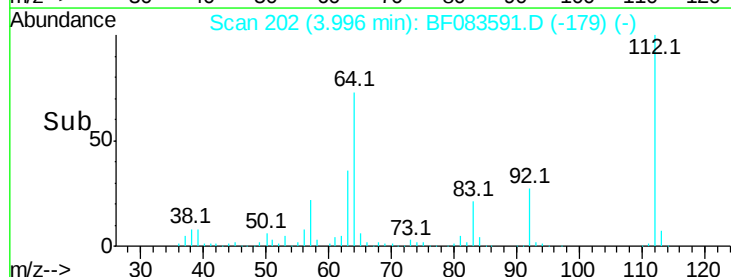
63 36.4 25.8 38.6

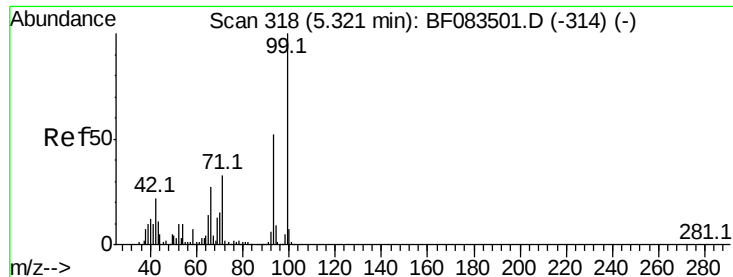


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.73 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083591.D

Acq: 8 Dec 2015 9:44

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1

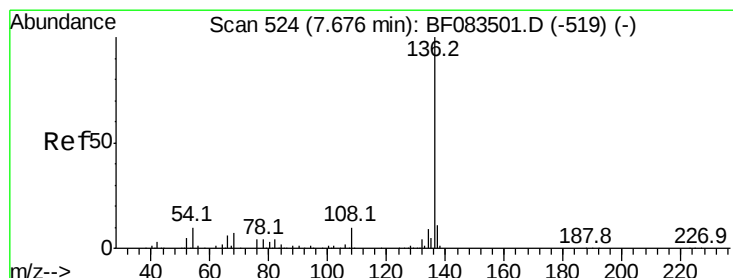
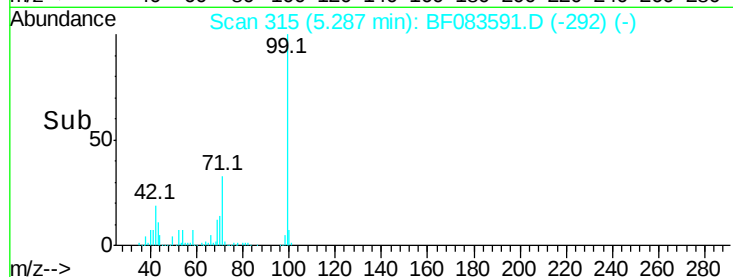
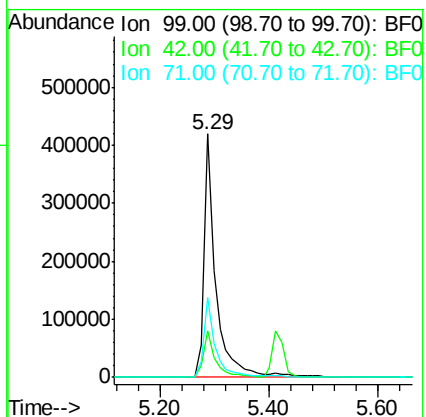
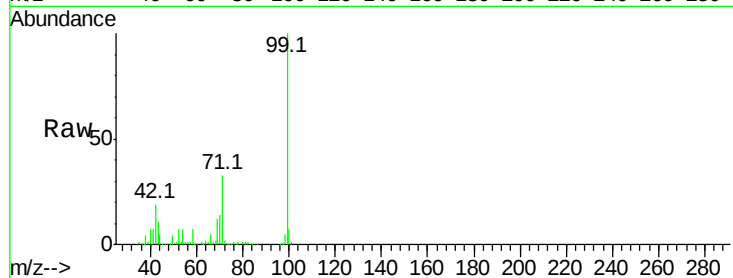
Tot Ion: 99 Resp: 633171

Ion Ratio Lower Upper

99 100

42 19.2 17.3 25.9

71 32.6 26.6 40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 519

Delta R.T. -0.06 min

Lab File: BF083591.D

Acq: 8 Dec 2015 9:44

Tgt Ion: 136 Resp: 718318

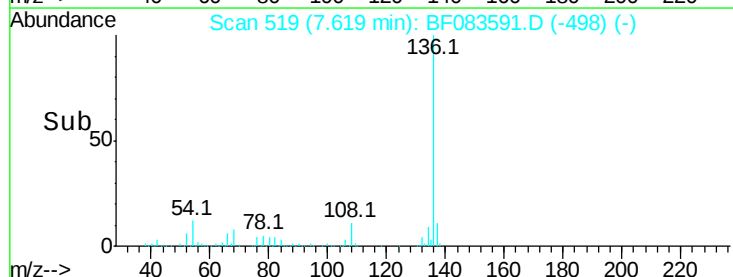
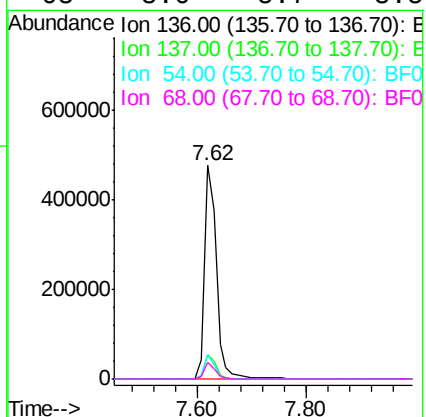
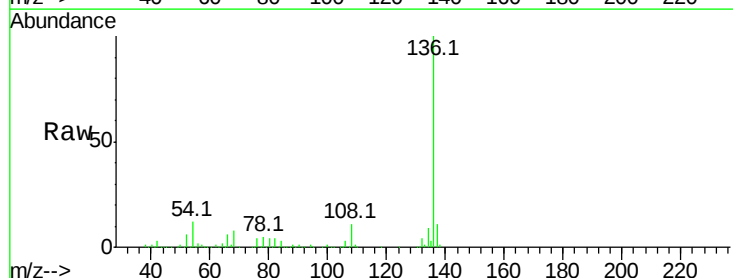
Ion Ratio Lower Upper

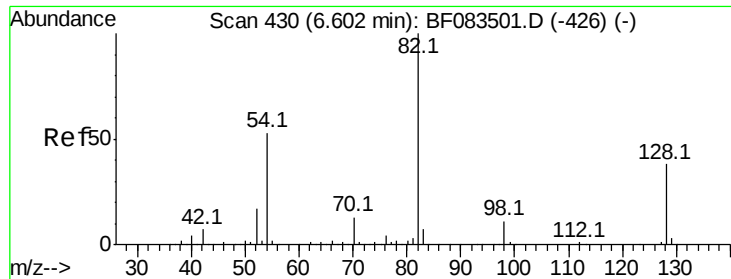
136 100

137 11.5 8.7 13.1

54 11.7 7.8 11.6#

68 8.0 5.7 8.5

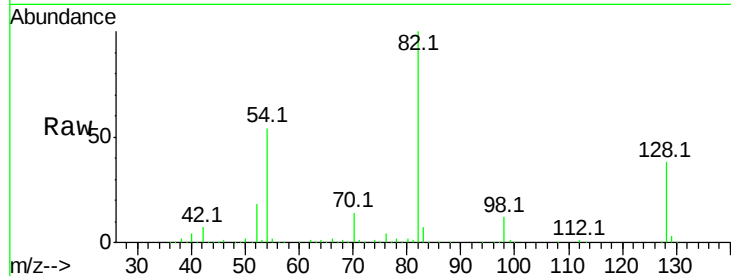




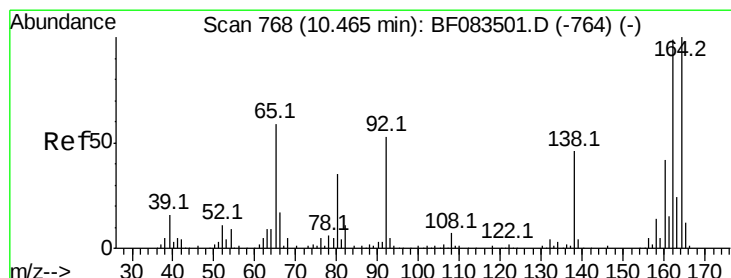
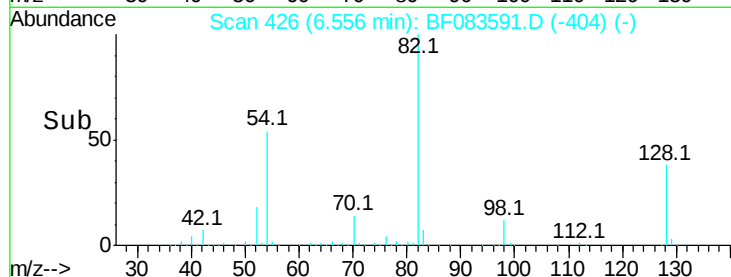
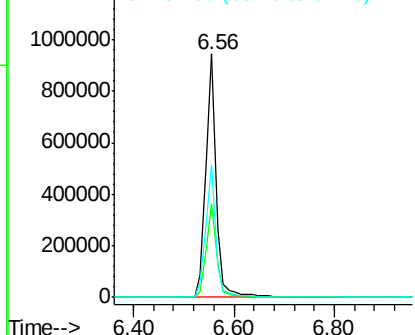
#23  
Nitrobenzene-d5  
Concen: 89.68 ng  
RT: 6.56 min Scan# 426  
Delta R.T. -0.05 min  
Lab File: BF083591.D  
Acq: 8 Dec 2015 9:44

Instrument :  
BNA\_F  
ClientSampleId :  
FIELDBLANK-1

Tot Ion: 82 Resp: 1378105  
Ion Ratio Lower Upper  
82 100  
128 38.4 30.7 46.1  
54 54.2 42.5 63.7

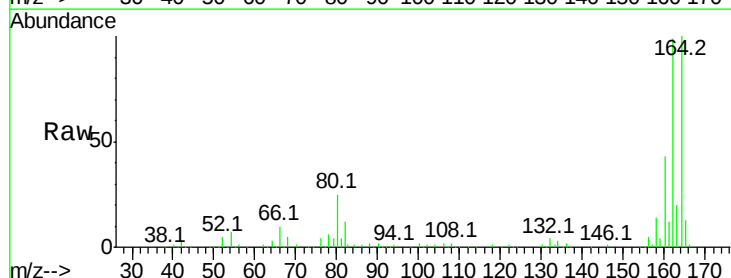


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): B

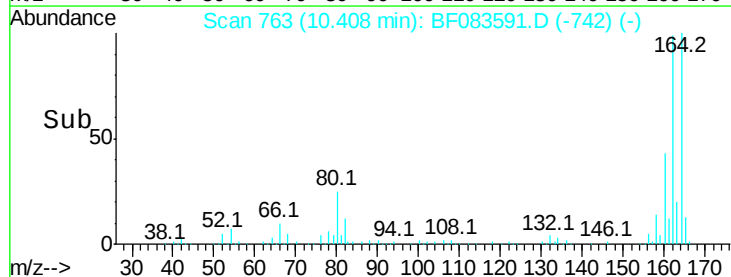
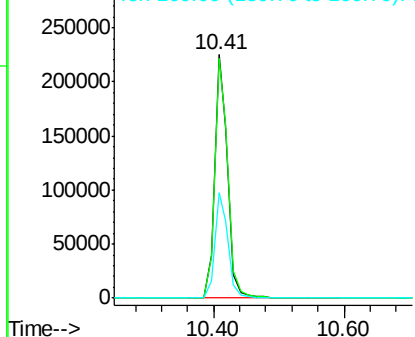


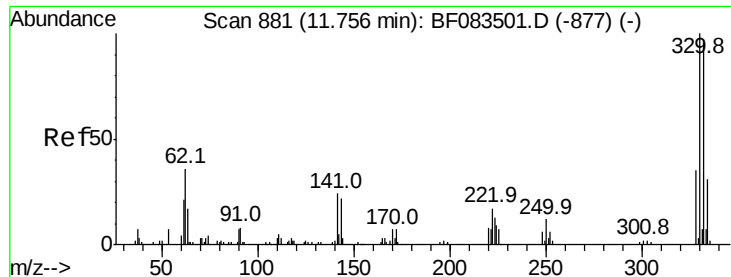
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.41 min Scan# 763  
Delta R.T. -0.06 min  
Lab File: BF083591.D  
Acq: 8 Dec 2015 9:44

Tgt Ion:164 Resp: 316332  
Ion Ratio Lower Upper  
164 100  
162 98.5 78.8 118.2  
160 43.1 33.4 50.2



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B

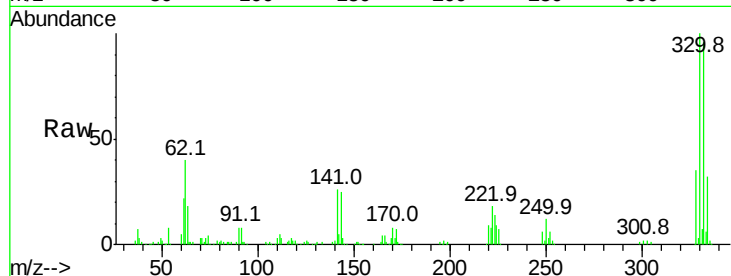




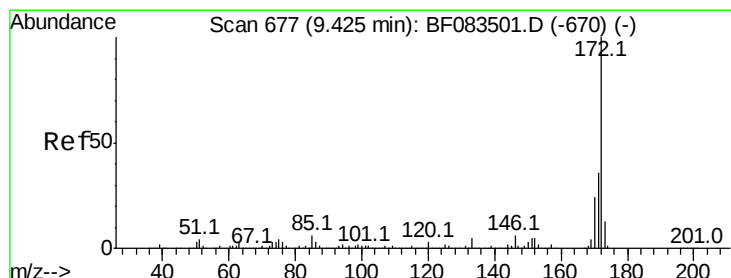
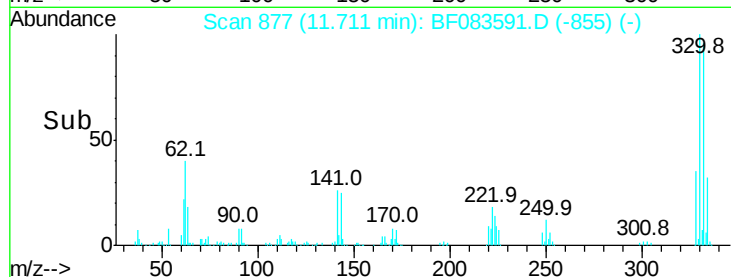
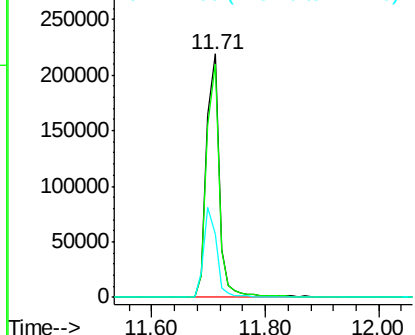
#41  
 2,4,6-Tribromophenol  
 Concen: 114.09 ng  
 RT: 11.71 min Scan# 877  
 Delta R.T. -0.05 min  
 Lab File: BF083591.D  
 Acq: 8 Dec 2015 9:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELDBLANK-1

Tot Ion:330 Resp: 332932  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 37.4 0.0 0.0#

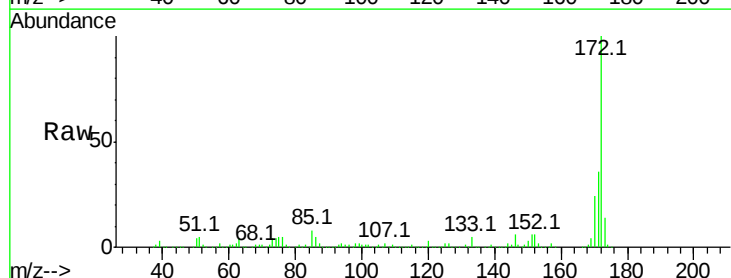


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

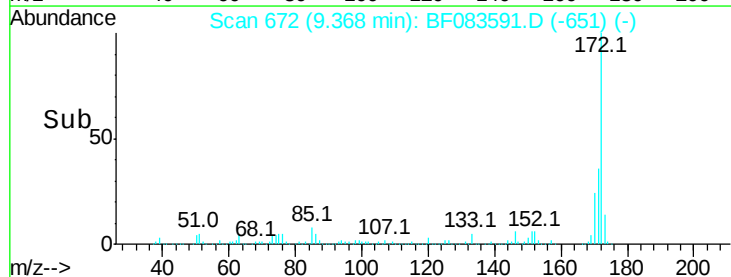
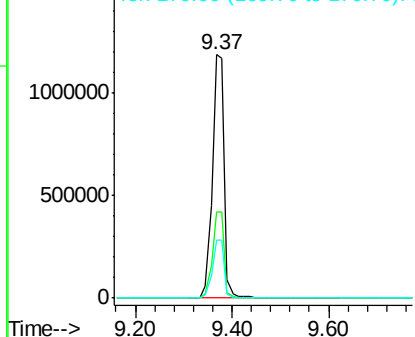


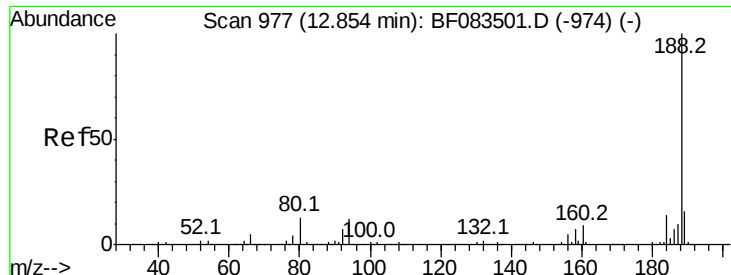
#44  
 2-Fluorobiphenyl  
 Concen: 89.17 ng  
 RT: 9.37 min Scan# 672  
 Delta R.T. -0.06 min  
 Lab File: BF083591.D  
 Acq: 8 Dec 2015 9:44

Tgt Ion:172 Resp: 2079690  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.6 42.8  
 170 24.0 19.4 29.0



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

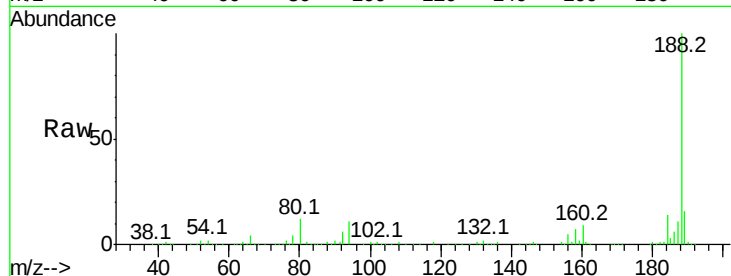




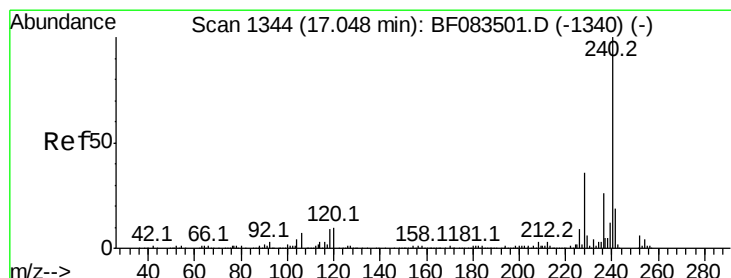
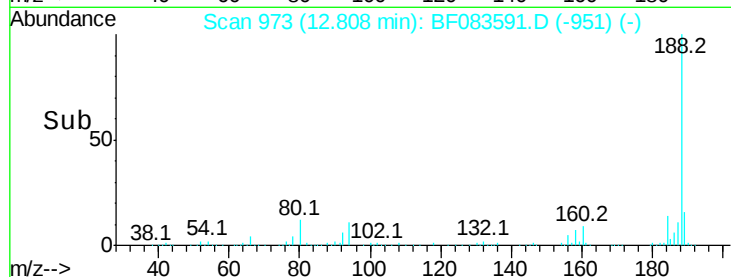
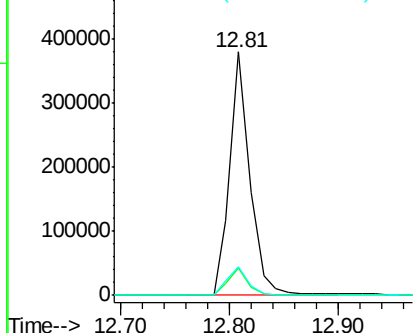
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.81 min Scan# 973  
Delta R.T. -0.05 min  
Lab File: BF083591.D  
Acq: 8 Dec 2015 9:44

Instrument :  
BNA\_F  
ClientSampleId :  
FIELDBLANK-1

Tot Ion:188 Resp: 489893  
Ion Ratio Lower Upper  
188 100  
94 11.0 9.4 14.2  
80 12.0 10.6 16.0

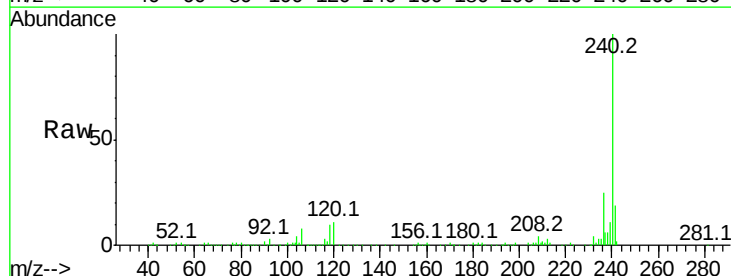


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

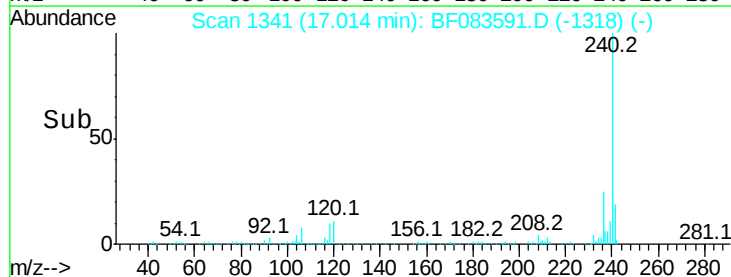
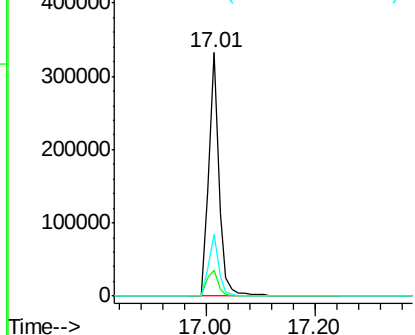


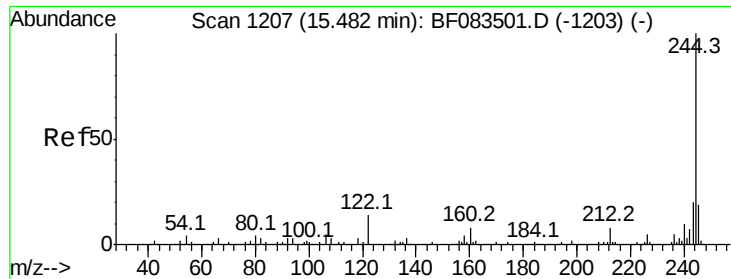
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 17.01 min Scan# 1341  
Delta R.T. -0.03 min  
Lab File: BF083591.D  
Acq: 8 Dec 2015 9:44

Tgt Ion:240 Resp: 440694  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.1 12.1  
236 25.5 20.8 31.2



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

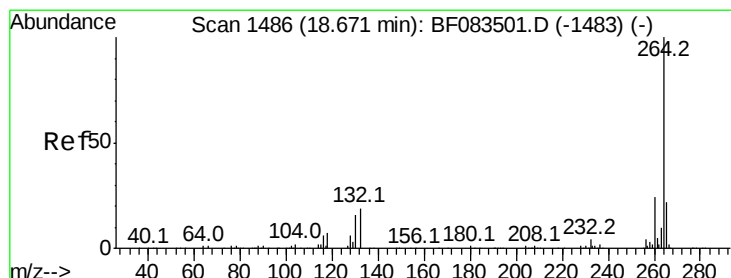
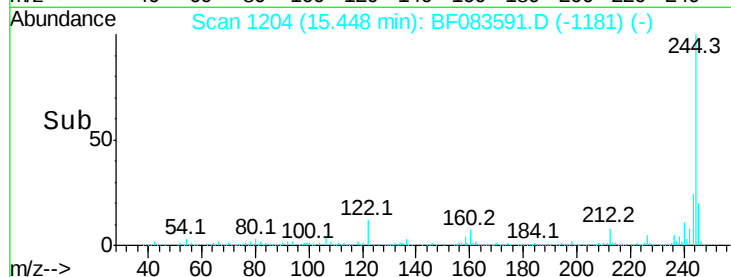
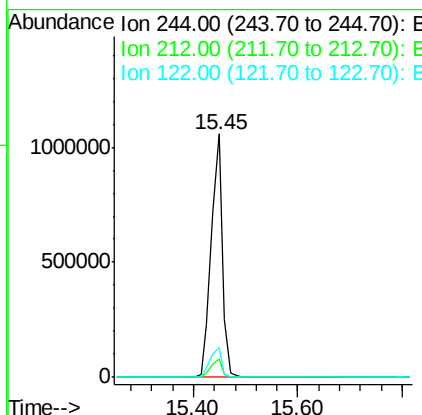
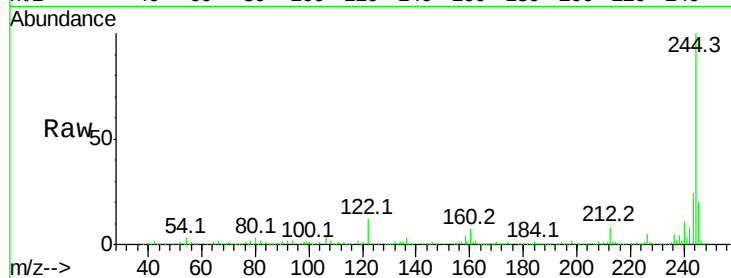




#78  
 Terphenyl-d14  
 Concen: 80.26 ng  
 RT: 15.45 min Scan# 1204  
 Delta R.T. -0.03 min  
 Lab File: BF083591.D  
 Acq: 8 Dec 2015 9:44

Instrument :  
 BNA\_F  
 ClientSampled :  
 FIELDBLANK-1

Tot Ion:244 Resp: 1589560  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.1 9.1  
 122 12.0 11.0 16.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.65 min Scan# 1484  
 Delta R.T. -0.02 min  
 Lab File: BF083591.D  
 Acq: 8 Dec 2015 9:44

Tgt Ion:264 Resp: 323552  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.4 29.0  
 265 22.3 17.8 26.6

