

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
 Data File : BF088507.D  
 Acq On : 29 Jun 2016 22:30  
 Operator : UM/SJ  
 Sample : PB91573BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91573BL

Quant Time: Jun 30 02:22:57 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 02:07:38 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 218815   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 863785   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 399065   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 773637   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 480964   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.36 | 264  | 453414   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1498767  | 106.07 | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 1686772  | 93.35  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 1138744  | 69.24  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 339153   | 110.85 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 2037959  | 80.68  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 1596264  | 64.72  | ng    | 0.01     |

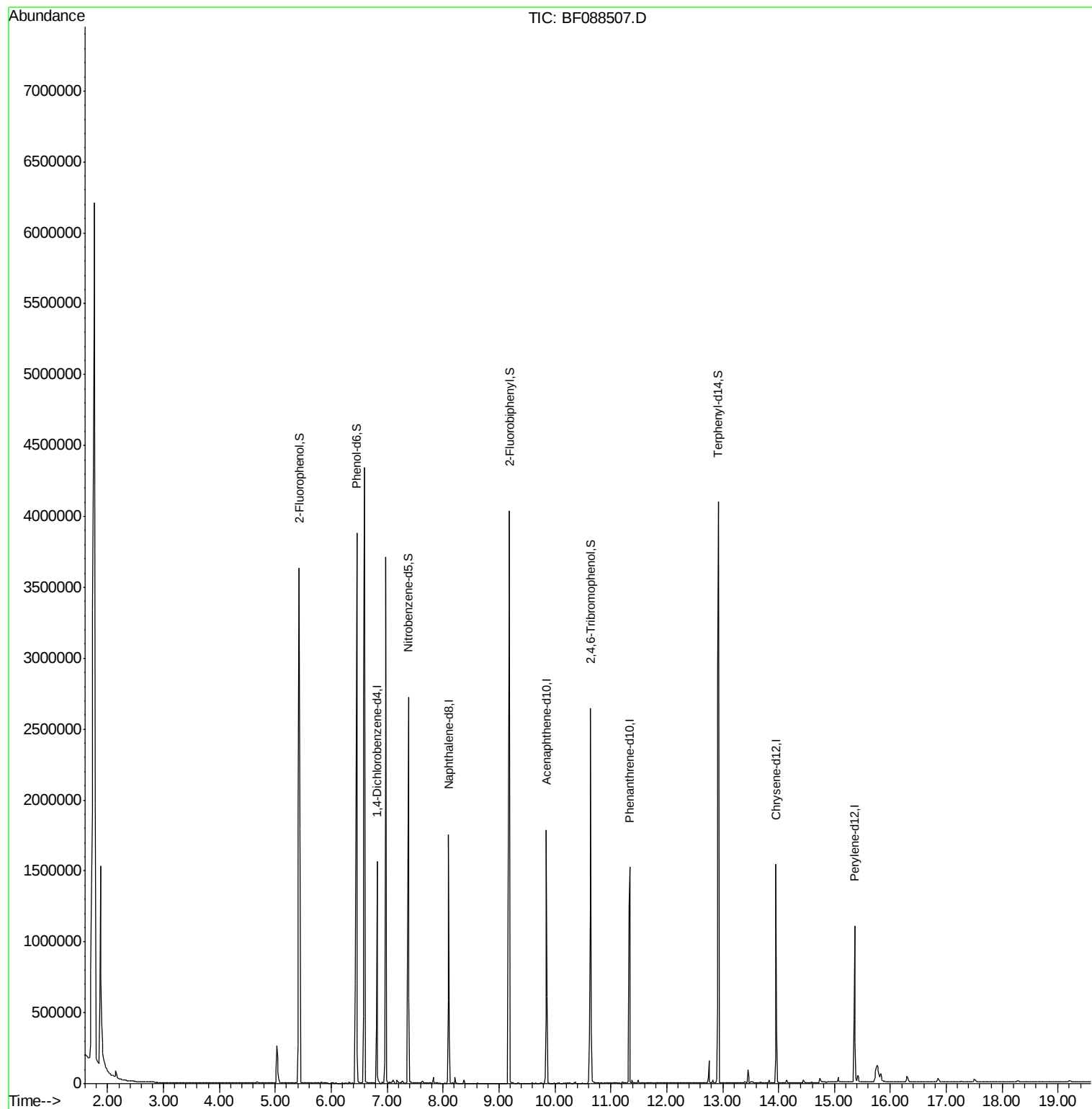
Target Compounds Qvalue

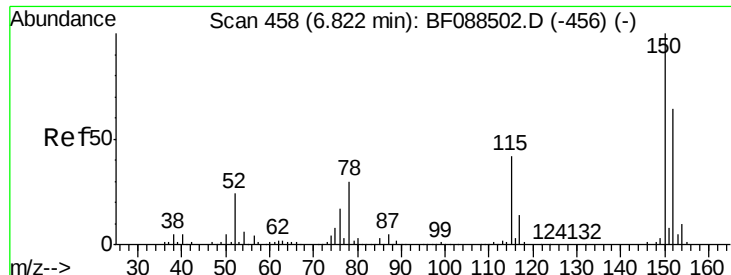
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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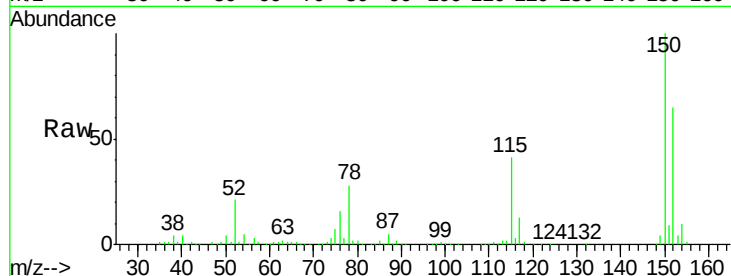


#1

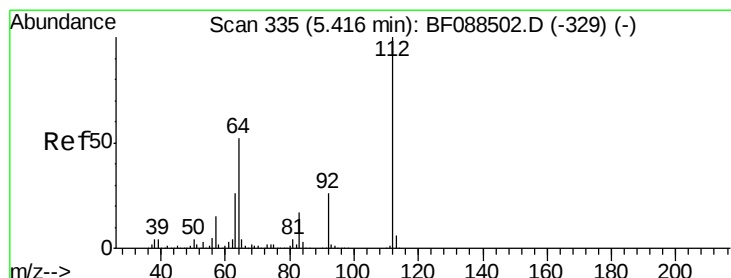
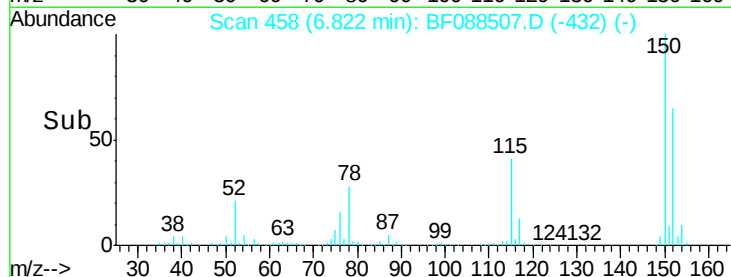
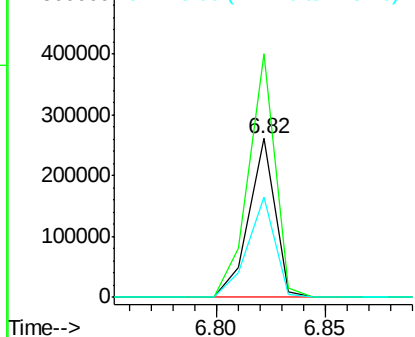
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 458  
Delta R.T. 0.00 min  
Lab File: BF088507.D  
Acq: 29 Jun 2016 22:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB91573BL

Tot Ion:152 Resp: 218815  
Ion Ratio Lower Upper  
152 100  
150 153.5 124.5 186.7  
115 63.1 52.3 78.5



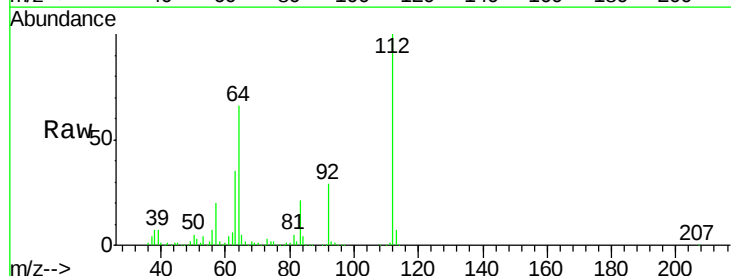
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



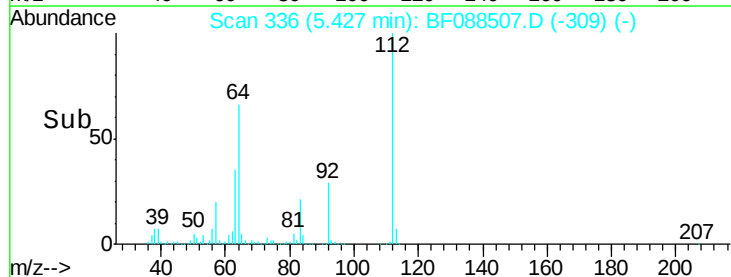
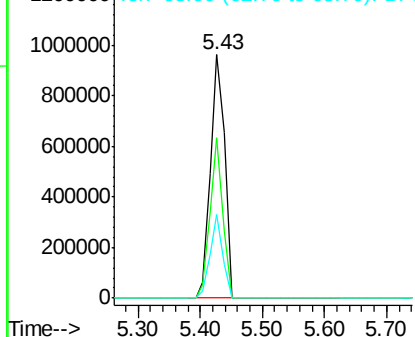
#5

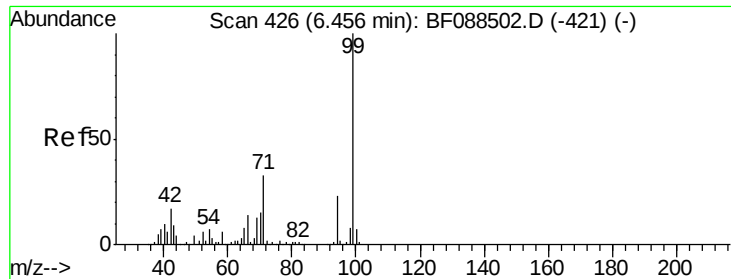
2-Fluorophenol  
Concen: 106.07 ng  
RT: 5.43 min Scan# 336  
Delta R.T. 0.01 min  
Lab File: BF088507.D  
Acq: 29 Jun 2016 22:30

Tgt Ion:112 Resp: 1498767  
Ion Ratio Lower Upper  
112 100  
64 66.0 41.5 62.3#  
63 34.6 20.6 31.0#



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: 93.35 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: BF088507.D

Acq: 29 Jun 2016 22:30

Instrument :

BNA\_F

ClientSampleId :

PB91573BL

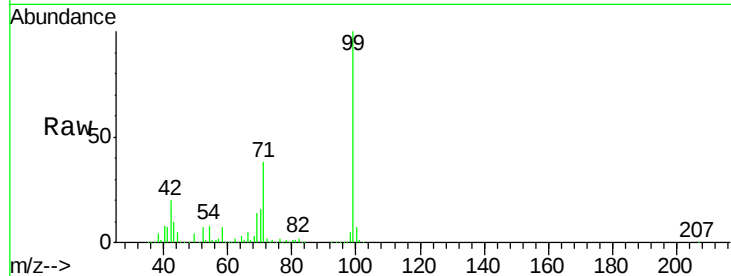
Tot Ion: 99 Resp: 1686772

Ion Ratio Lower Upper

99 100

42 19.9 13.4 20.0

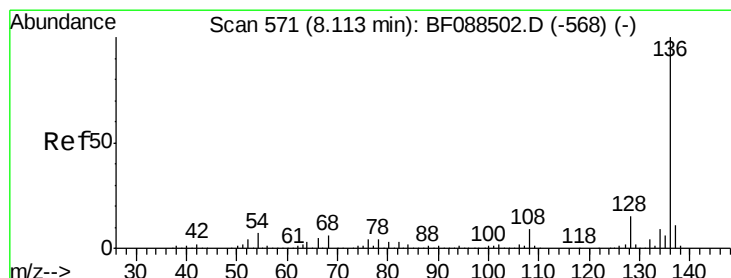
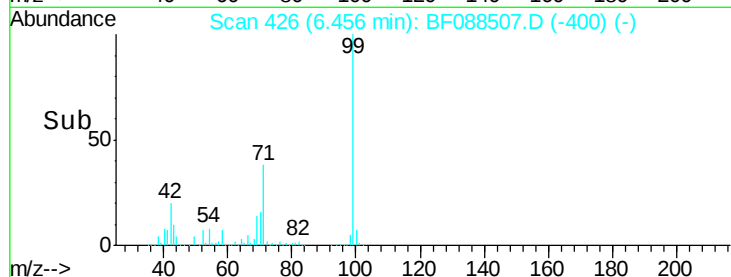
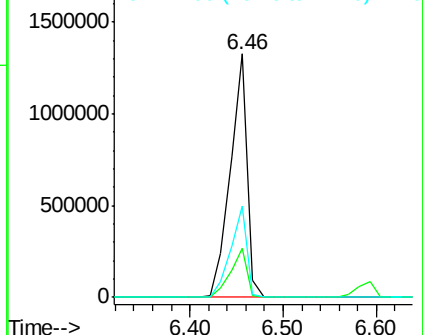
71 37.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF088507.D

Acq: 29 Jun 2016 22:30

Tgt Ion: 136 Resp: 863785

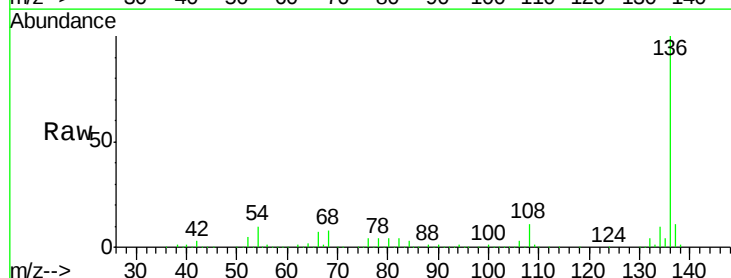
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 9.8 5.4 8.2#

68 8.1 4.9 7.3#

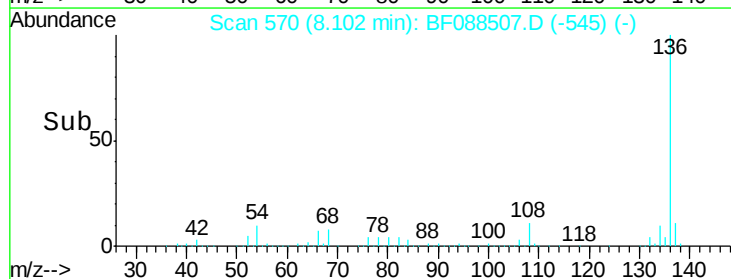
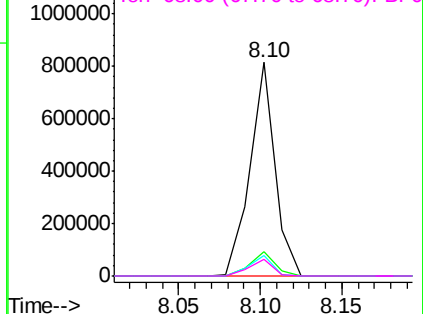


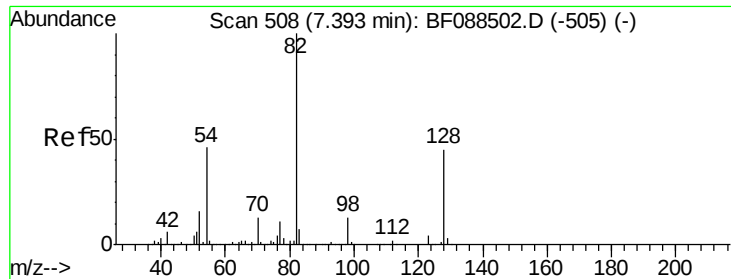
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

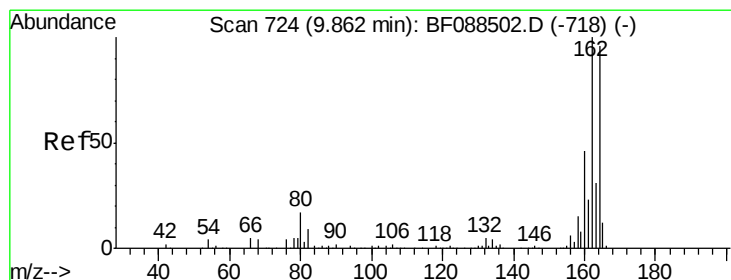
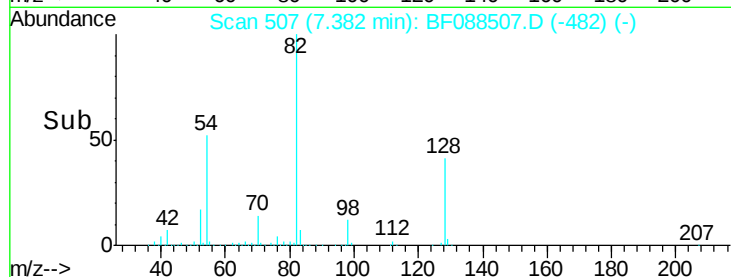
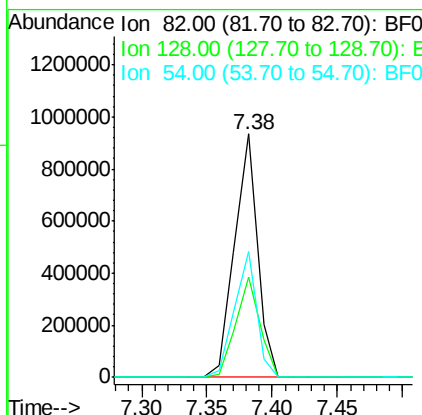
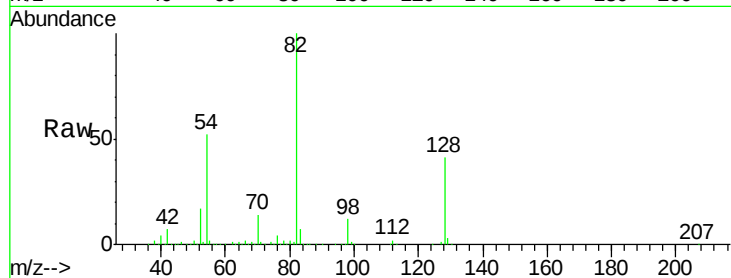




#23  
 Nitrobenzene-d5  
 Concen: 69.24 ng  
 RT: 7.38 min Scan# 507  
 Delta R.T. -0.01 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

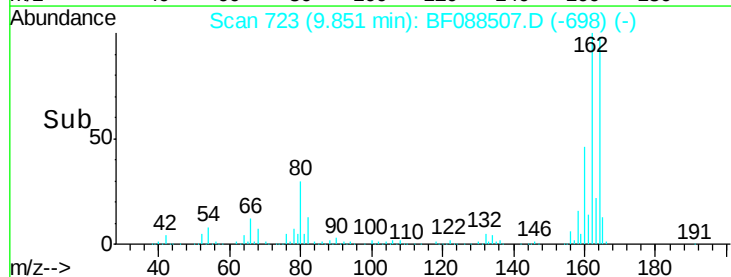
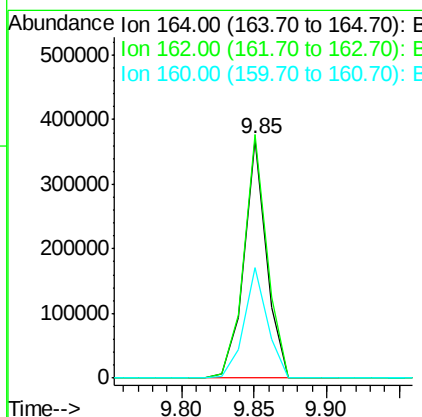
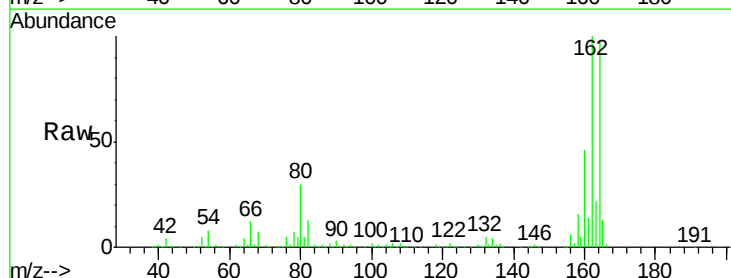
Instrument :  
 BNA\_F  
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 PB91573BL

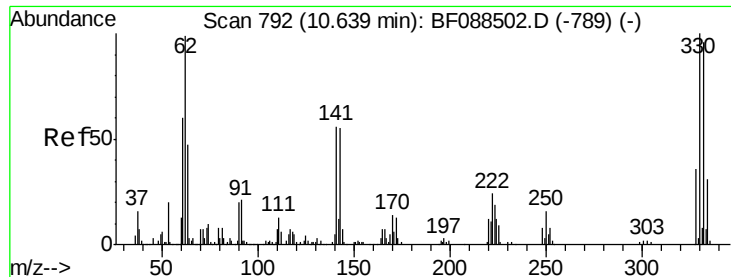
Tot Ion: 82 Resp: 1138744  
 Ion Ratio Lower Upper  
 82 100  
 128 41.0 35.8 53.8  
 54 51.7 37.1 55.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. -0.01 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

Tgt Ion:164 Resp: 399065  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 83.7 125.5  
 160 46.5 38.9 58.3

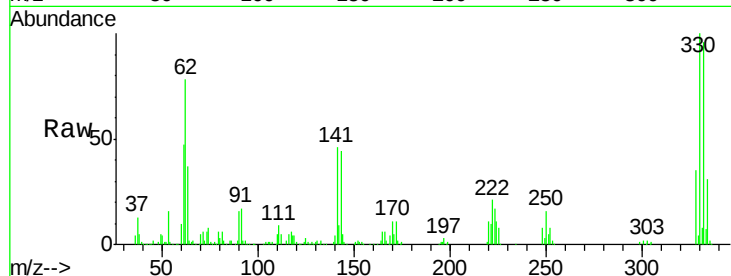




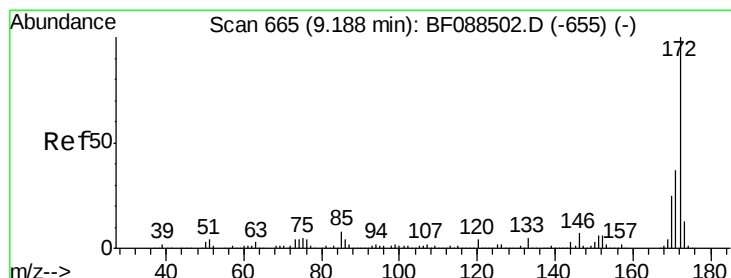
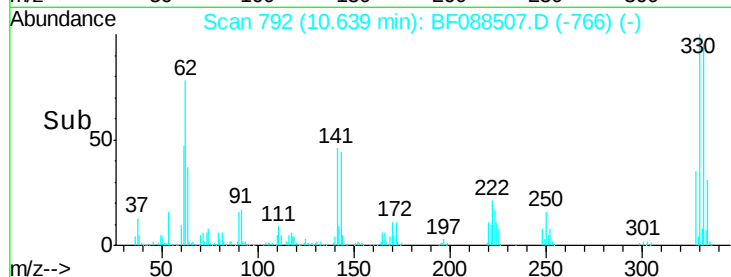
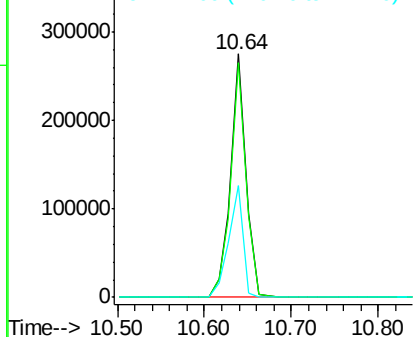
#41  
 2,4,6-Tribromophenol  
 Concen: 110.85 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91573BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 0.0   | 0.0#  |
| 141     | 43.3  | 0.0   | 0.0#  |

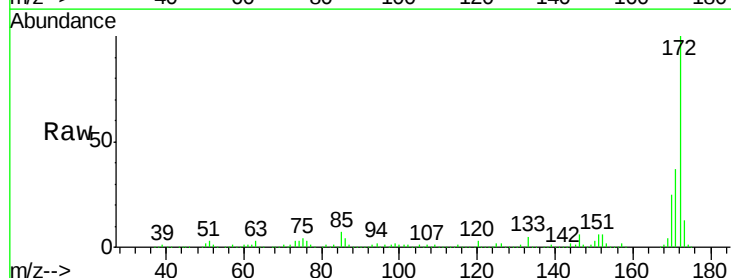


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

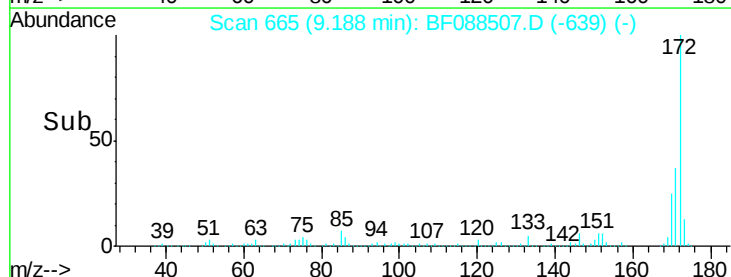
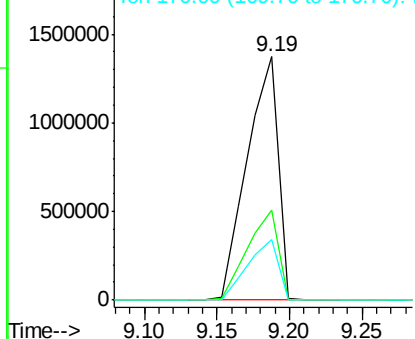


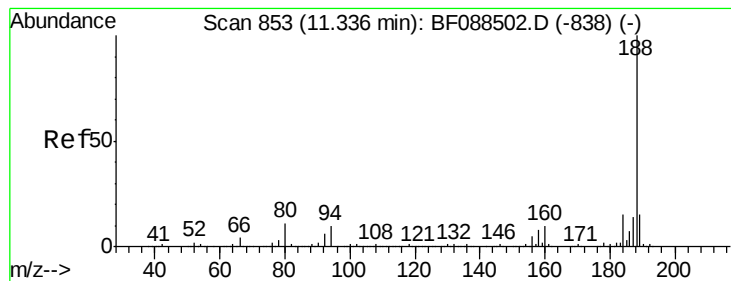
#44  
 2-Fluorobiphenyl  
 Concen: 80.68 ng  
 RT: 9.19 min Scan# 665  
 Delta R.T. 0.00 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.3  | 43.9  |
| 170     | 25.0  | 19.8  | 29.8  |



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: 11.34 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF088507.D

Acq: 29 Jun 2016 22:30

Instrument :

BNA\_F

ClientSampleId :

PB91573BL

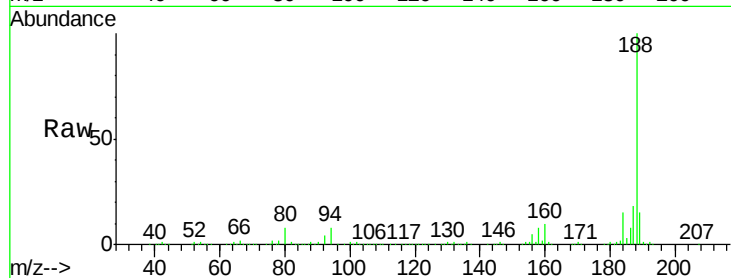
Tot Ion:188 Resp: 773637

Ion Ratio Lower Upper

188 100

94 7.6 7.8 11.8#

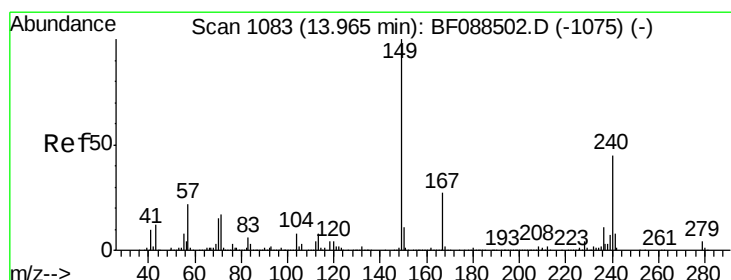
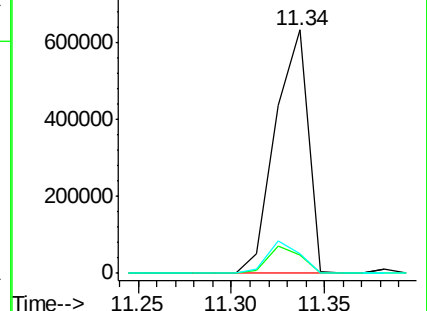
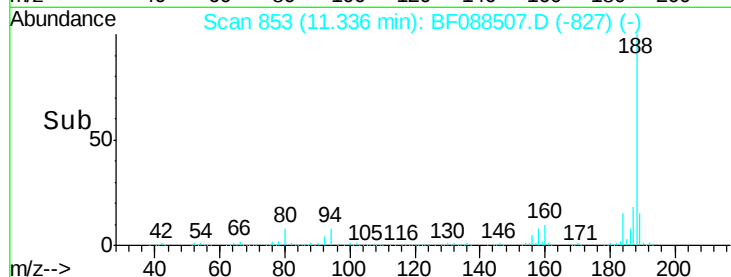
80 8.1 8.7 13.1#



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: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF088507.D

Acq: 29 Jun 2016 22:30

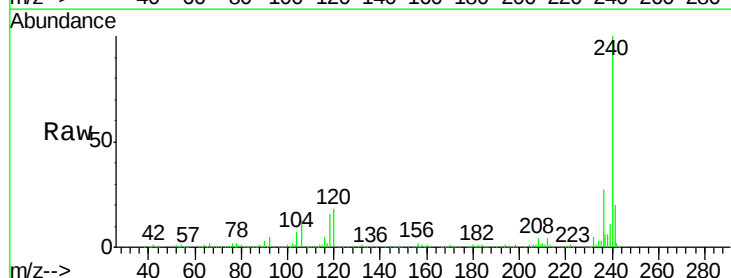
Tgt Ion:240 Resp: 480964

Ion Ratio Lower Upper

240 100

120 17.5 7.1 10.7#

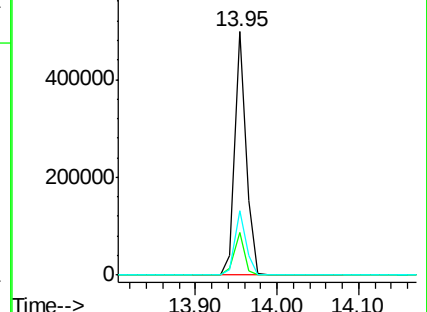
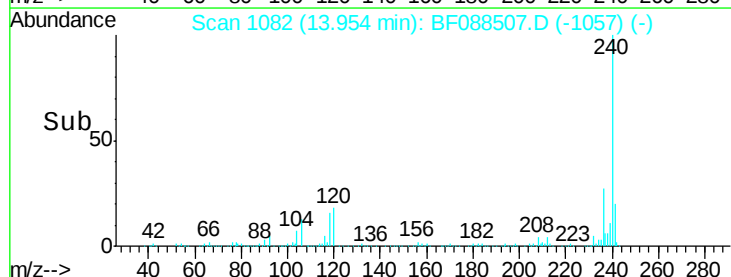
236 26.7 20.3 30.5

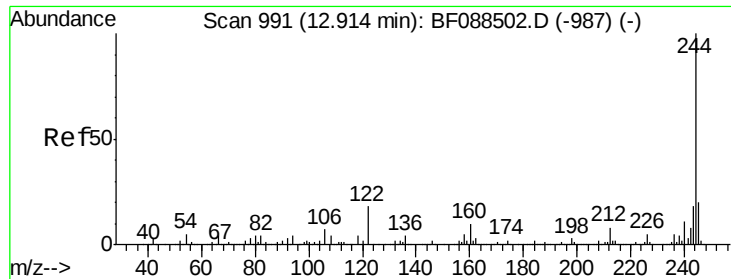


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

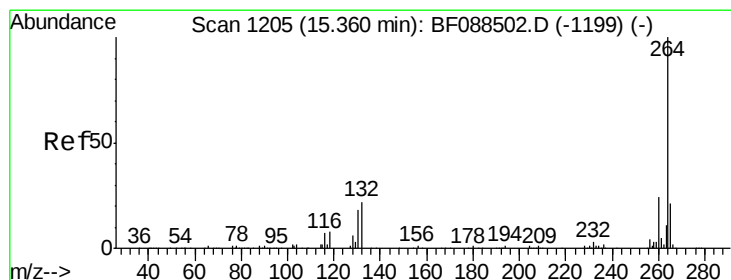
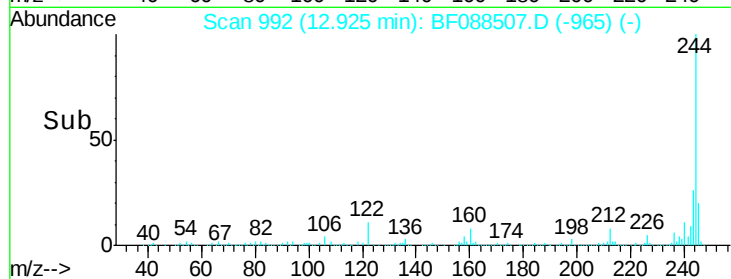
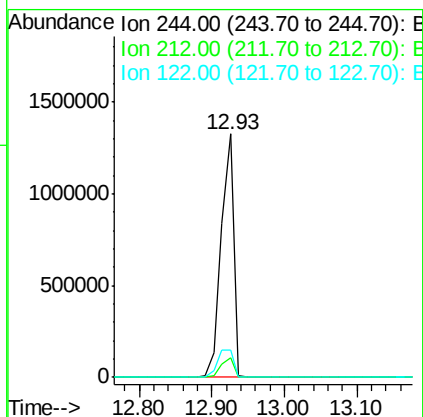
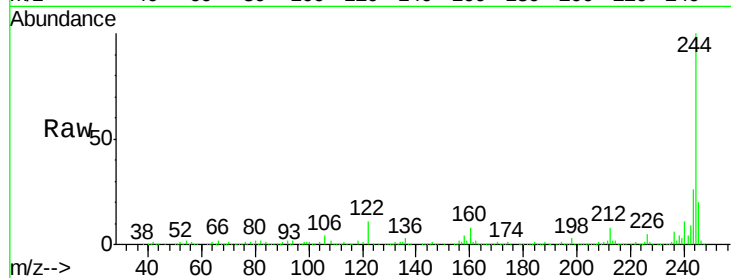




#78  
 Terphenyl-d14  
 Concen: 64.72 ng  
 RT: 12.93 min Scan# 992  
 Delta R.T. 0.01 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

Instrument :  
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 PB91573BL

Tot Ion:244 Resp: 1596264  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.5 9.7  
 122 11.3 14.8 22.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.36 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF088507.D  
 Acq: 29 Jun 2016 22:30

Tgt Ion:264 Resp: 453414  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.3 28.9  
 265 21.7 17.1 25.7

