

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062316\  
 Data File : BF088305.D  
 Acq On : 23 Jun 2016 23:09  
 Operator : UM/SJ  
 Sample : H3607-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P0-002

Quant Time: Jun 24 02:21:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 14:55:14 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.59  | 152  | 93170    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.88  | 136  | 362934   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.62  | 164  | 171339   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.11 | 188  | 309849   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.73 | 240  | 224088   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.09 | 264  | 185650   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.19  | 112  | 289808   | 53.18 | ng    | 0.01     |
| 7) Phenol-d6                | 6.26  | 99   | 254428   | 38.52 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.18  | 82   | 518576   | 83.44 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 164747   | 91.06 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 880957   | 80.48 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.69 | 244  | 677376   | 68.79 | ng    | -0.01    |

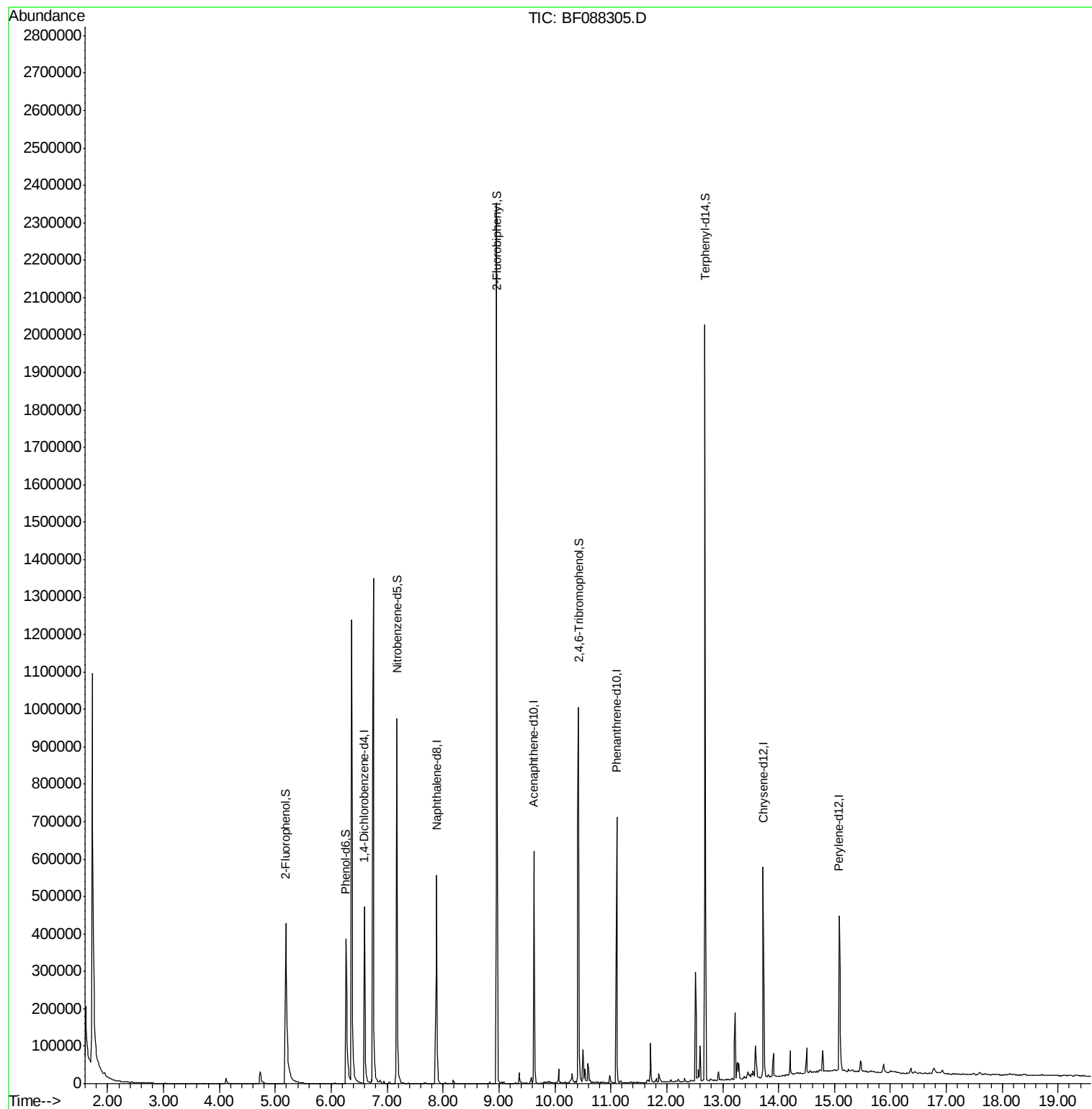
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA\_F

ClientSampleId :

P0-002

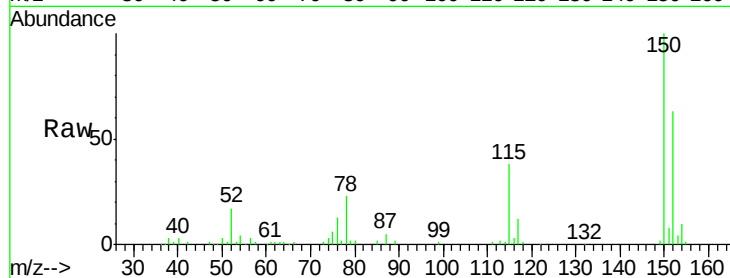
Tgt Ion:152 Resp: 93170

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

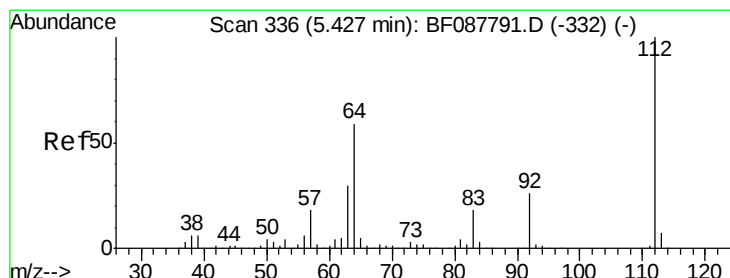
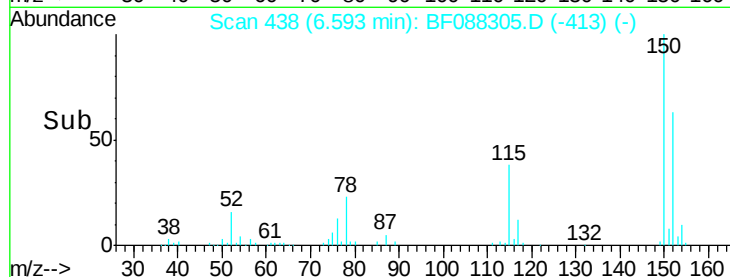
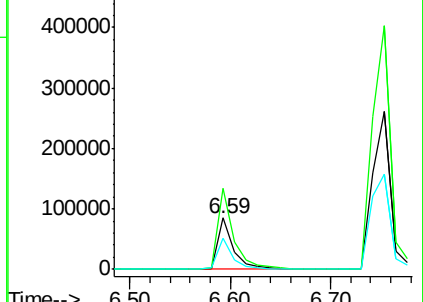
115 60.6 39.6 59.4#



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: 53.18 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

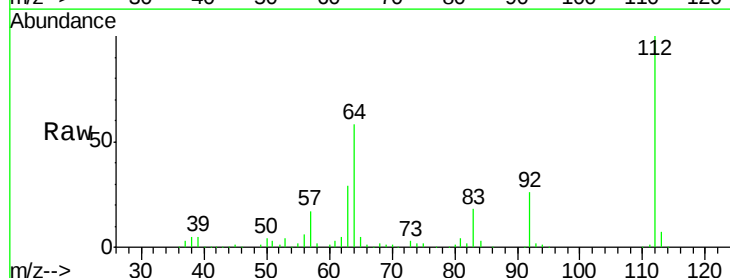
Tgt Ion:112 Resp: 289808

Ion Ratio Lower Upper

112 100

64 58.2 42.2 63.2

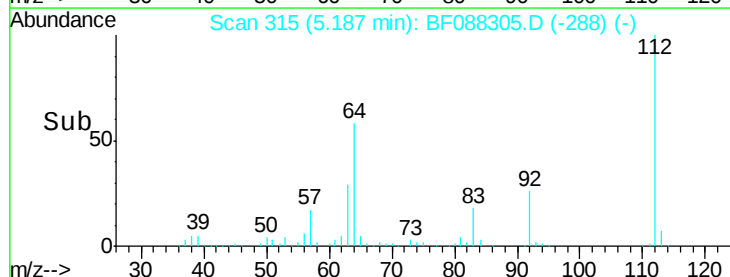
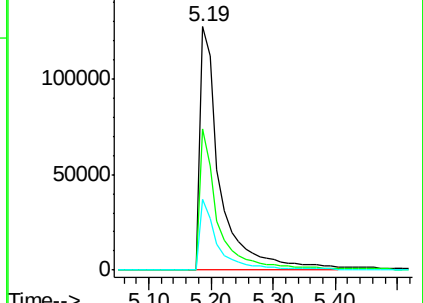
63 29.1 21.8 32.8



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: 38.52 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA\_F

ClientSampleId :

P0-002

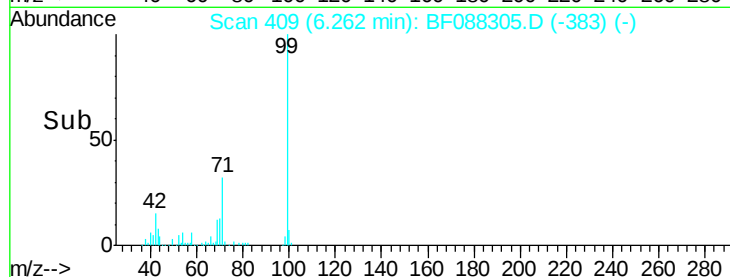
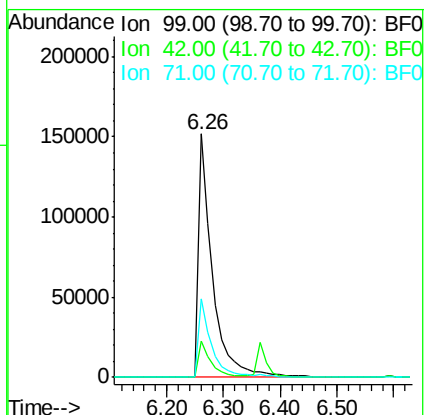
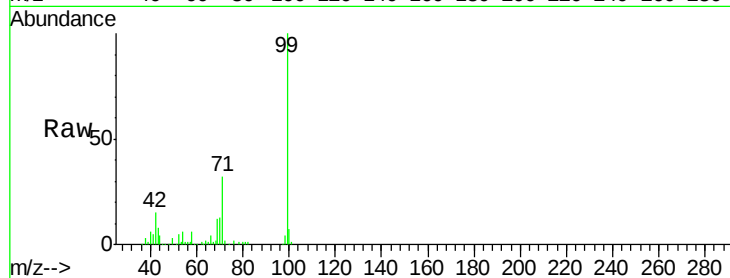
Tgt Ion: 99 Resp: 254428

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 32.2 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Tgt Ion: 136 Resp: 362934

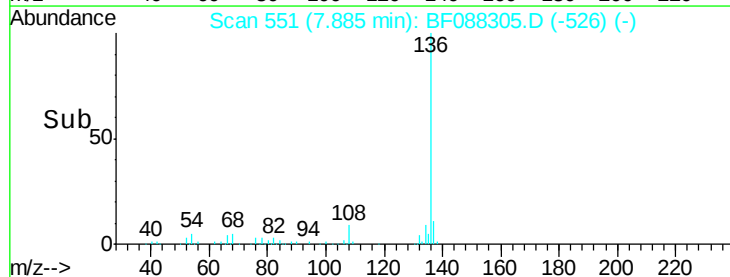
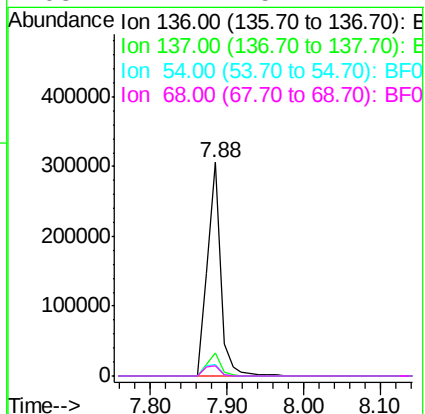
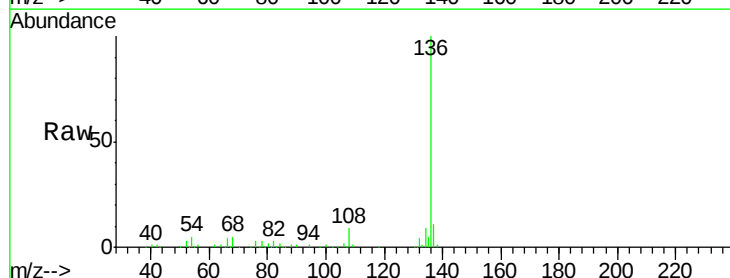
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.3 6.6 10.0#

68 4.7 5.1 7.7#

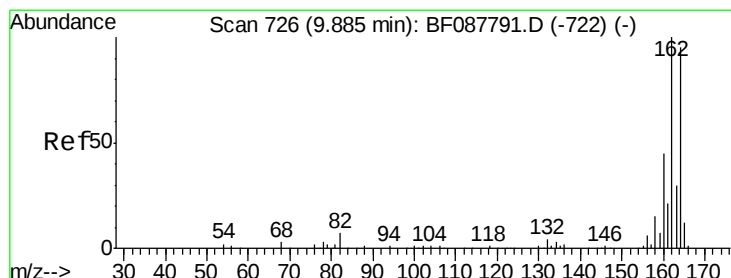
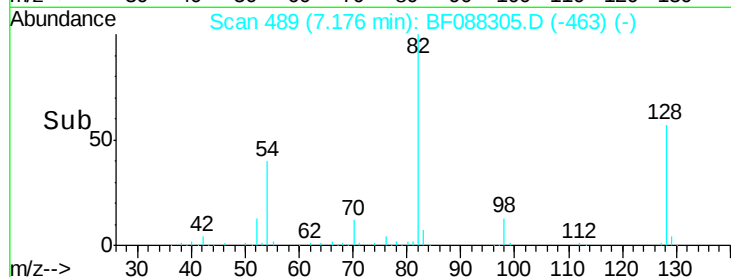
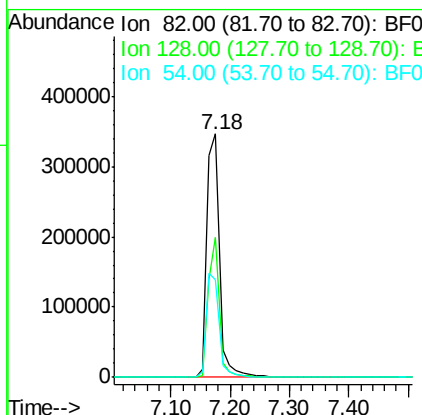
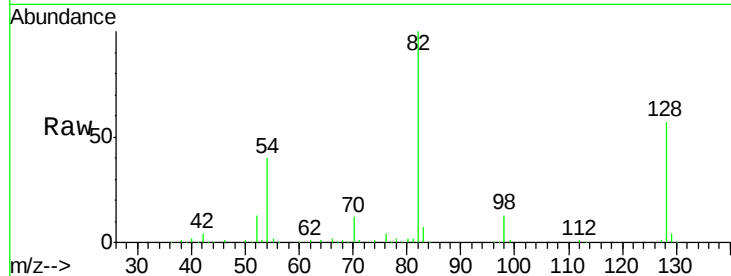




#23  
 Nitrobenzene-d5  
 Concen: 83.44 ng  
 RT: 7.18 min Scan# 489  
 Delta R.T. 0.00 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

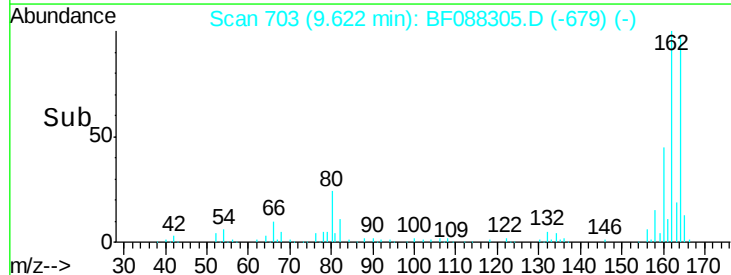
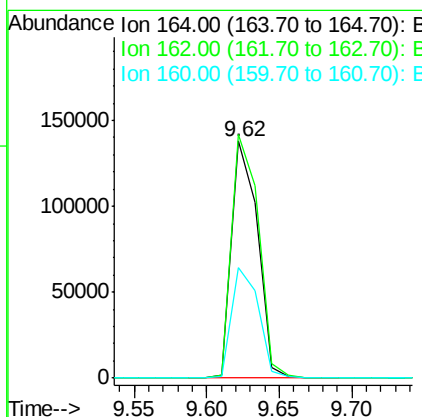
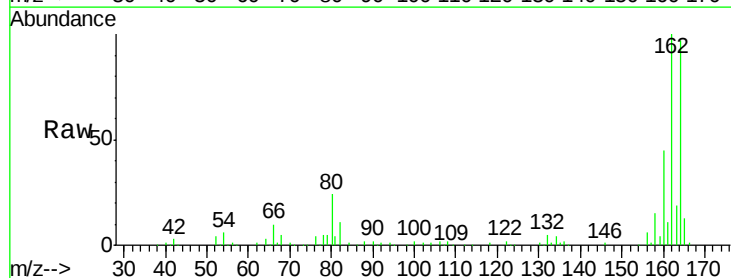
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P0-002

Tgt Ion: 82 Resp: 518576  
 Ion Ratio Lower Upper  
 82 100  
 128 57.3 35.9 53.9#  
 54 40.1 40.9 61.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.62 min Scan# 703  
 Delta R.T. -0.02 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

Tgt Ion: 164 Resp: 171339  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 85.4 128.2  
 160 46.8 39.5 59.3

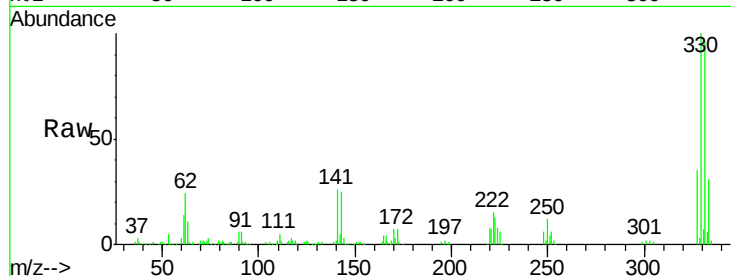




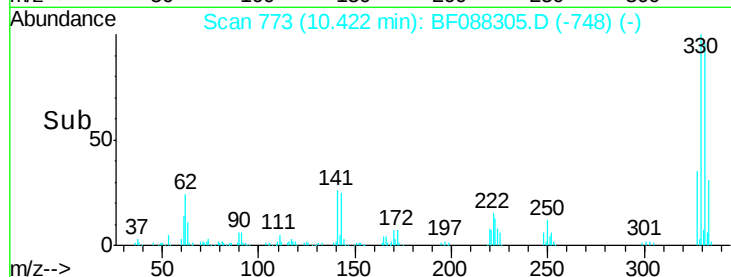
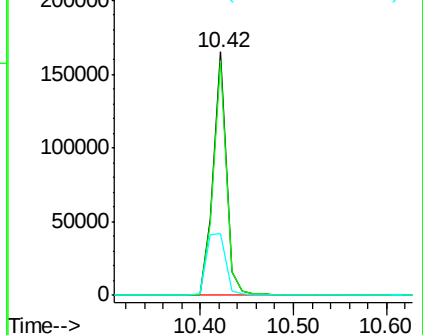
#41  
 2,4,6-Tribromophenol  
 Concen: 91.06 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P0-002

Tgt Ion:330 Resp: 164747  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 36.9 0.0 0.0#

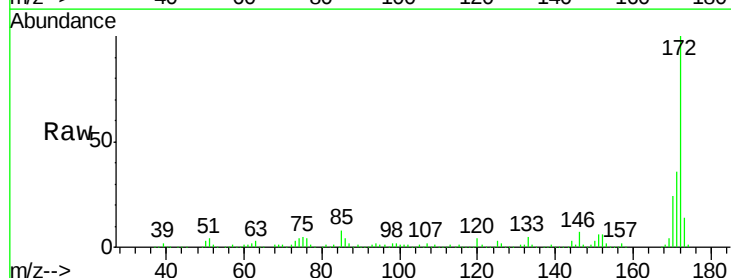


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

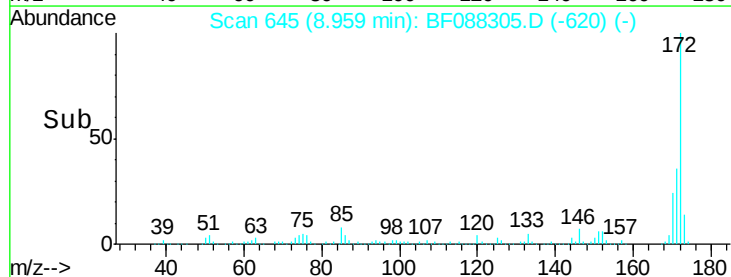
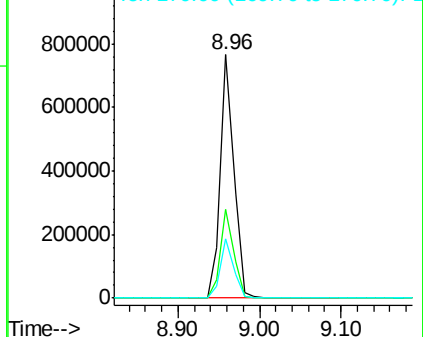


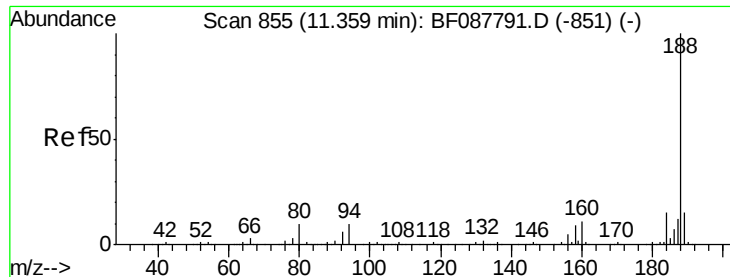
#44  
 2-Fluorobiphenyl  
 Concen: 80.48 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

Tgt Ion:172 Resp: 880957  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.6 43.0  
 170 24.5 19.2 28.8



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

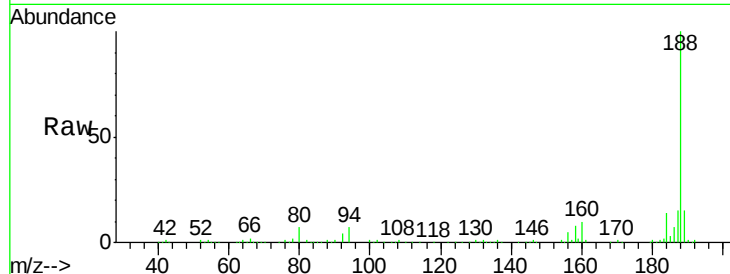




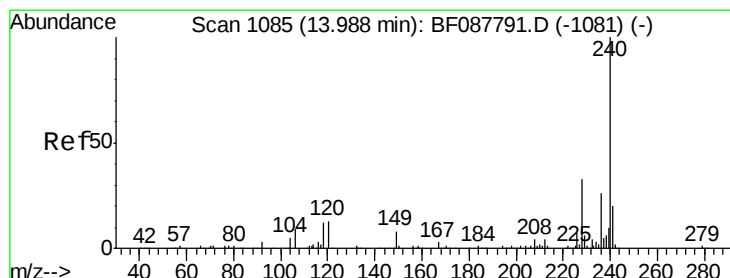
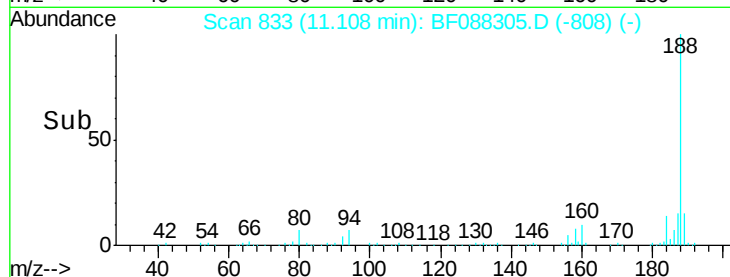
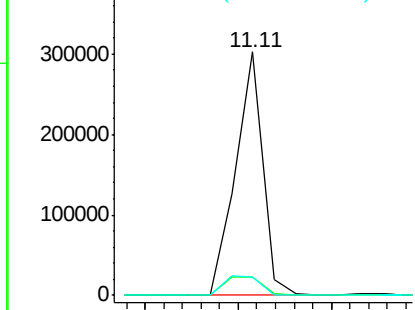
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.11 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF088305.D  
Acq: 23 Jun 2016 23:09

Instrument :  
BNA\_F  
ClientSampleId :  
P0-002

Tgt Ion:188 Resp: 309849  
Ion Ratio Lower Upper  
188 100  
94 7.3 9.0 13.6#  
80 7.3 10.0 15.0#

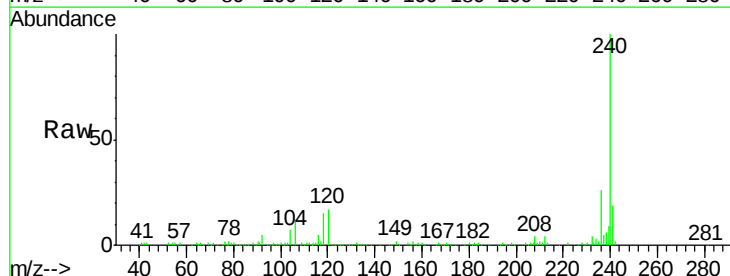


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

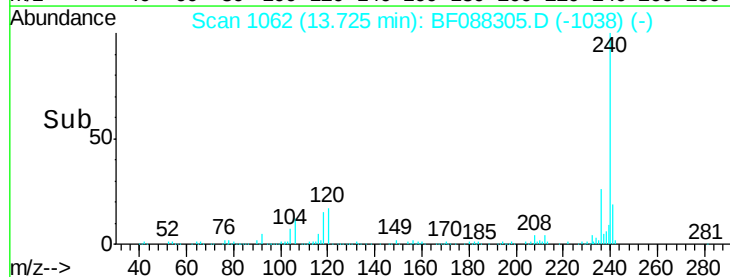
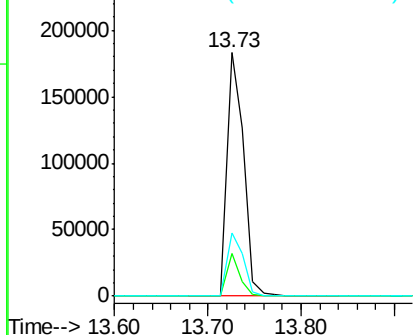


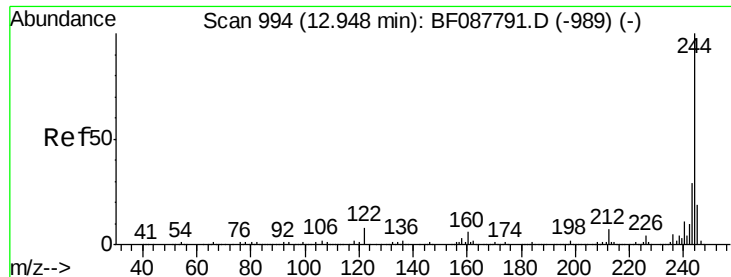
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.73 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BF088305.D  
Acq: 23 Jun 2016 23:09

Tgt Ion:240 Resp: 224088  
Ion Ratio Lower Upper  
240 100  
120 17.3 6.8 10.2#  
236 26.1 20.2 30.2



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

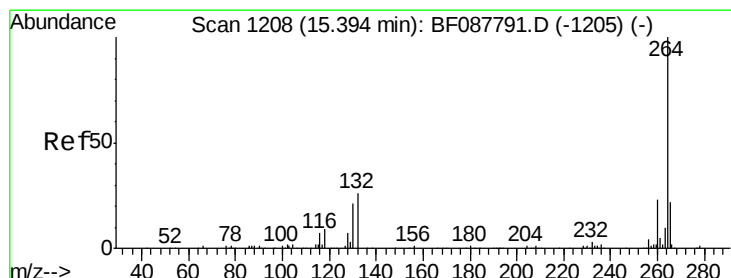
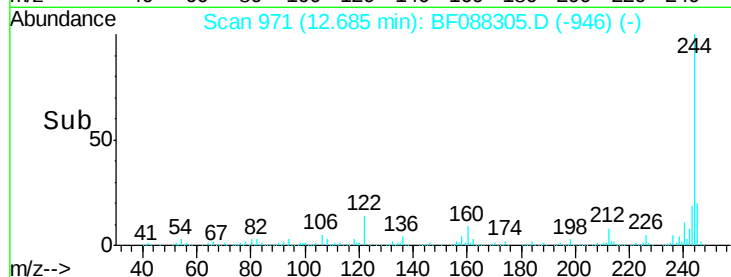
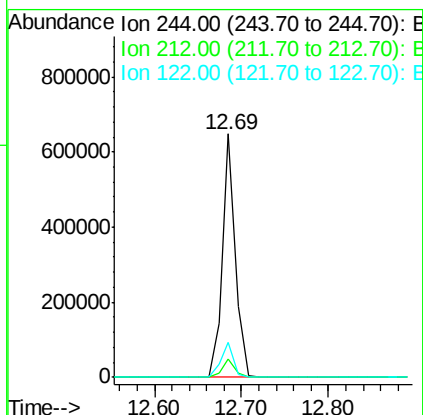
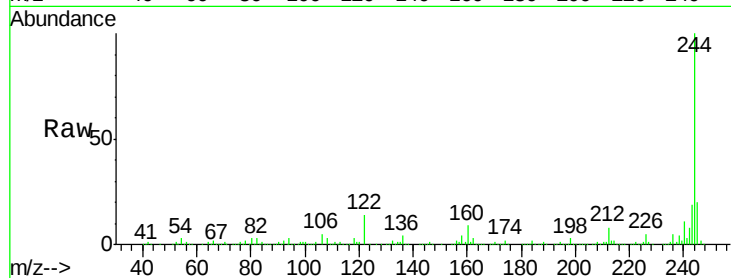




#78  
 Terphenyl-d14  
 Concen: 68.79 ng  
 RT: 12.69 min Scan# 971  
 Delta R.T. -0.01 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

Instrument :  
 BNA\_F  
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 P0-002

Tgt Ion:244 Resp: 677376  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.0 9.0  
 122 14.1 11.2 16.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.09 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF088305.D  
 Acq: 23 Jun 2016 23:09

Tgt Ion:264 Resp: 185650  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.2 28.8  
 265 21.5 16.9 25.3

