

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062316\  
 Data File : BF088299.D  
 Acq On : 23 Jun 2016 20:15  
 Operator : UM/SJ  
 Sample : H3084-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 0.25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LF017MW003-160512

Quant Time: Jun 24 13:41:42 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   | 6.60  | 152  | 15746    | 5.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 77729    | 5.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.63  | 164  | 66922    | 5.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.11 | 188  | 208795   | 5.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.74 | 240  | 175770   | 5.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.09 | 264  | 118386   | 5.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |      |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00 | ng    |          |
| 7) Phenol-d6                | 6.32  | 99   | 4735     | 1.06 | ng    | 0.06     |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 434      | 0.08 | ng    | 0.06     |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 16102    | 5.70 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 0.00  | 172  | 0d       | 0.00 | ng    |          |
| 78) Terphenyl-d14           | 12.69 | 244  | 113822   | 3.68 | ng    | -0.01    |

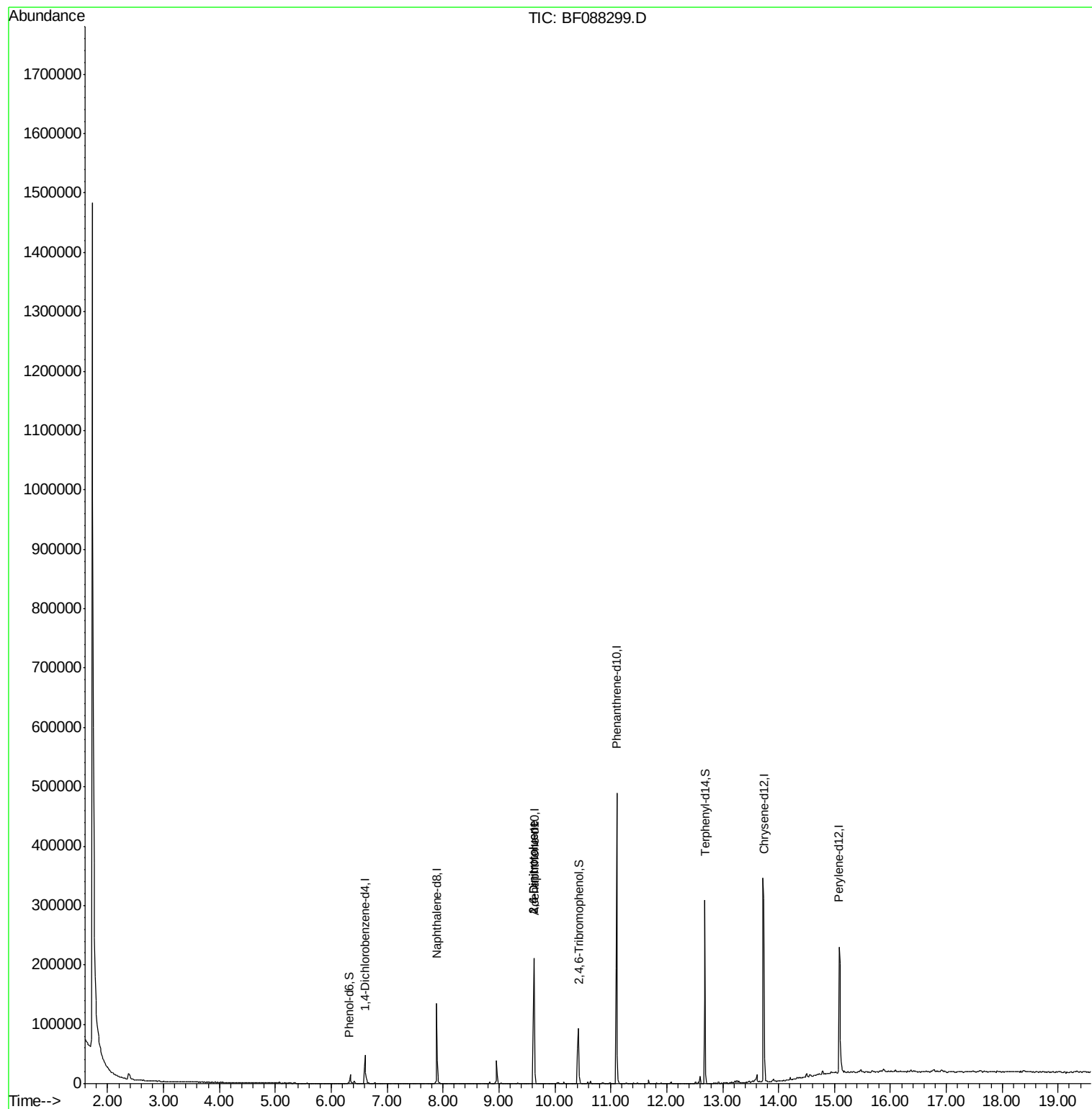
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

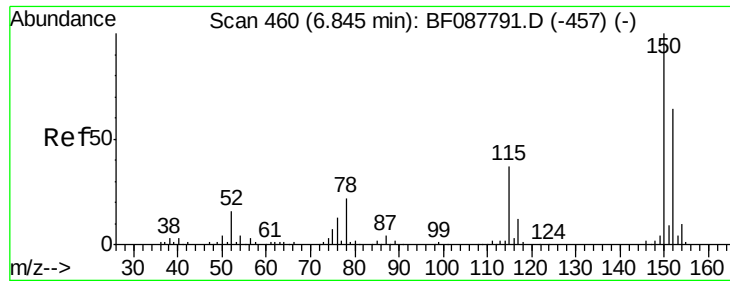
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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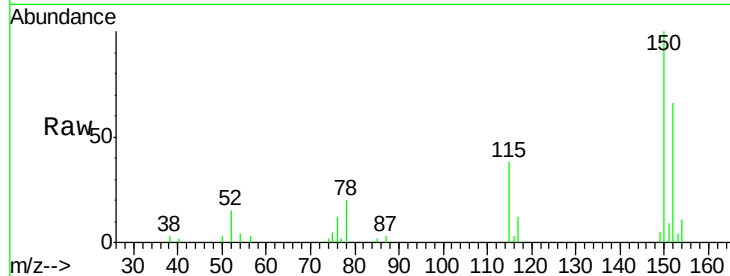


#1

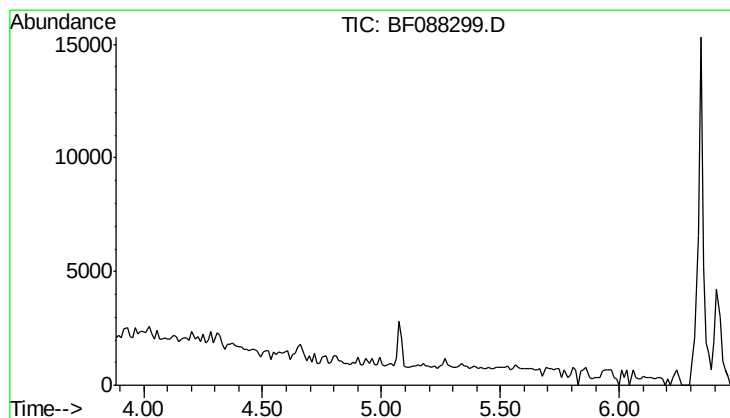
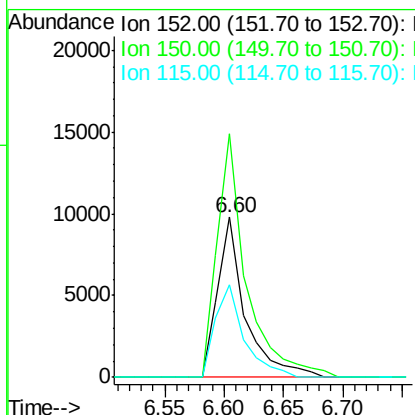
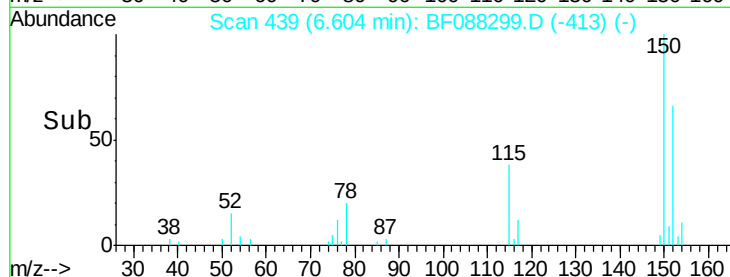
1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 6.60 min Scan# 439  
 Delta R.T. 0.00 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LF017MW003-160512

Tgt Ion:152 Resp: 15746  
 Ion Ratio Lower Upper  
 152 100  
 150 152.1 123.8 185.6  
 115 58.0 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

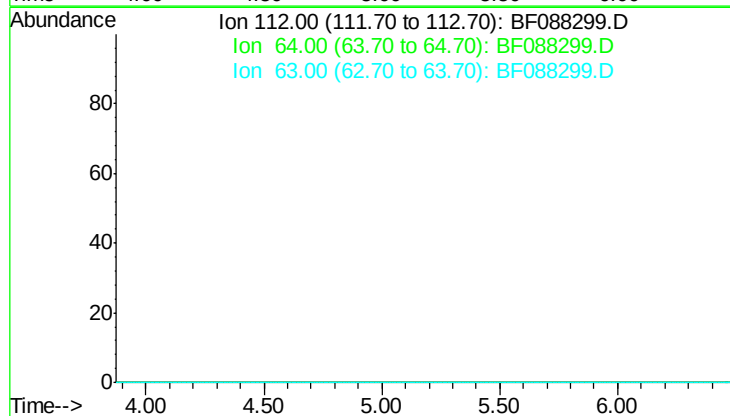


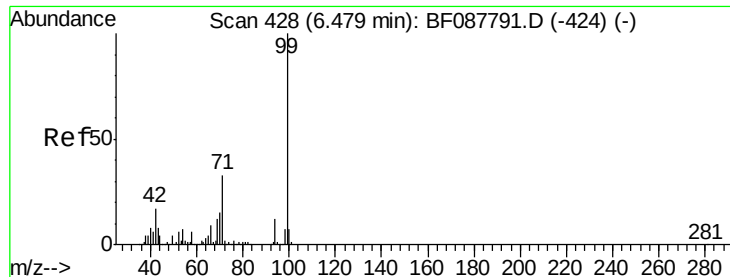
#5

2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.18 min

Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 52.7  
 63 27.3





#7

Phenol-d6

Concen: 1.06 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.06 min

Lab File: BF088299.D

Acq: 23 Jun 2016 20:15

Instrument :

BNA\_F

ClientSampleId :

LF017MW003-160512

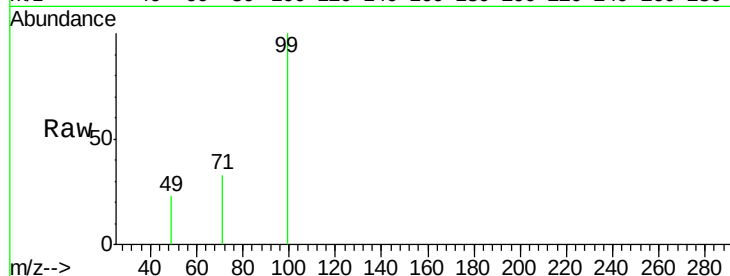
Tgt Ion: 99 Resp: 4735

Ion Ratio Lower Upper

99 100

42 0.0 12.2 18.2#

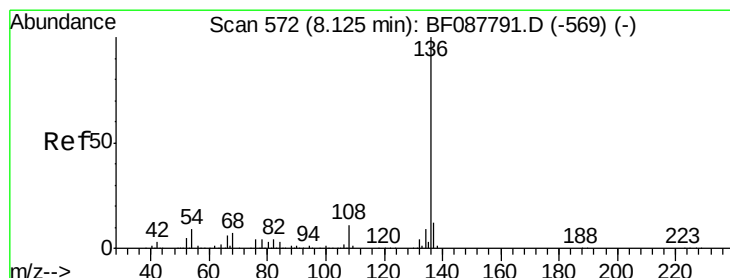
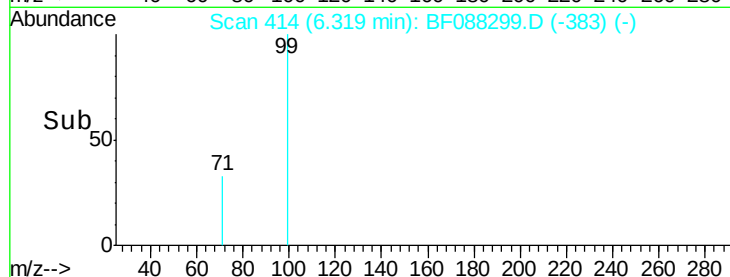
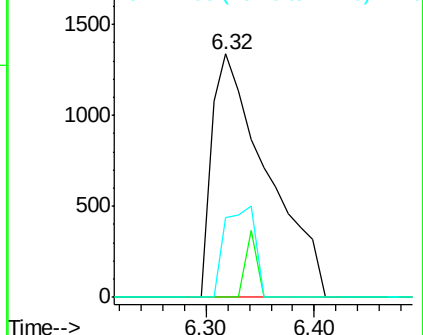
71 32.9 23.4 35.0



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: 5.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088299.D

Acq: 23 Jun 2016 20:15

Tgt Ion: 136 Resp: 77729

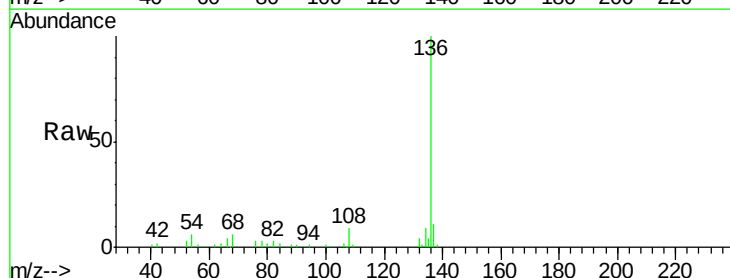
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.0 6.6 10.0#

68 5.6 5.1 7.7

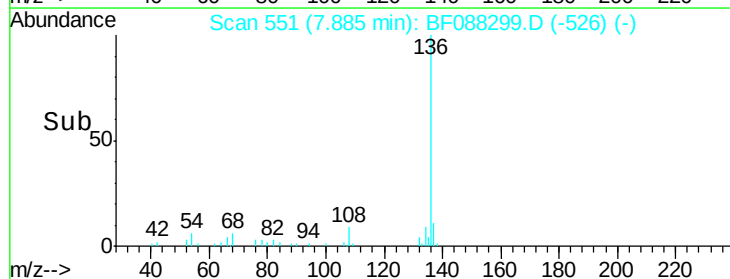
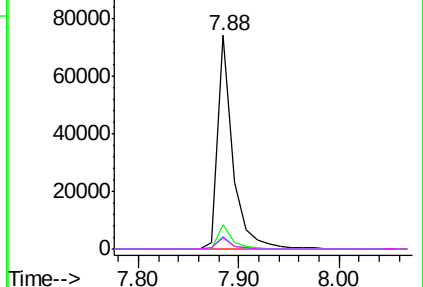


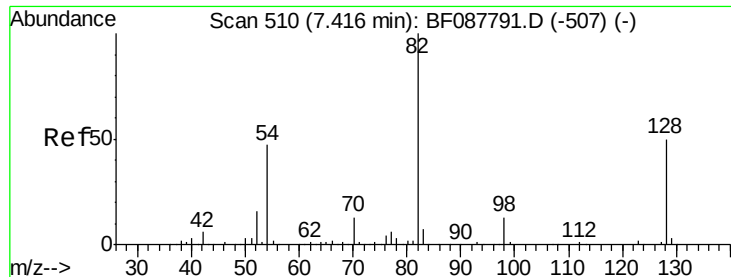
Abundance Ion 136.00 (135.70 to 136.70): E

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

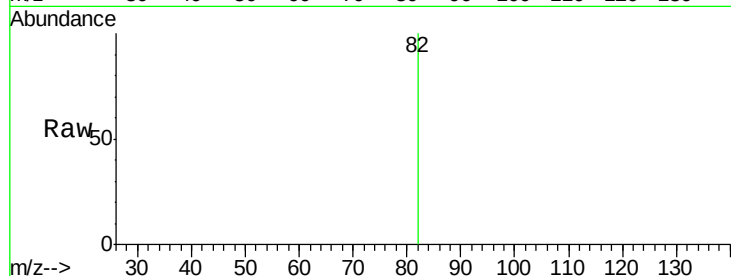




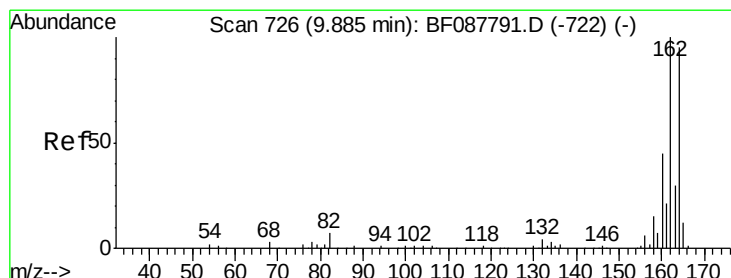
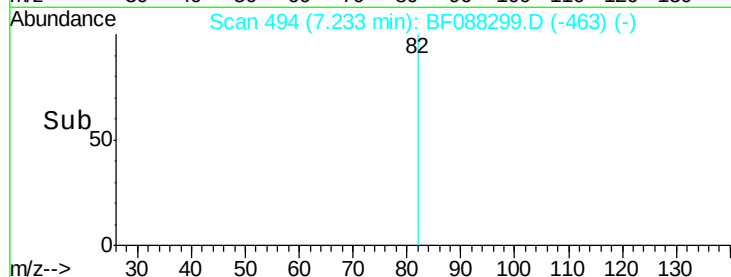
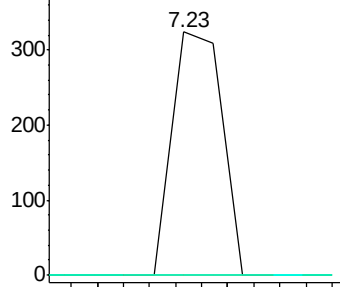
#23  
 Nitrobenzene-d5  
 Concen: 0.08 ng  
 RT: 7.23 min Scan# 494  
 Delta R.T. 0.06 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Instrument :  
 BNA\_F  
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 LF017MW003-160512

Tgt Ion: 82 Resp: 434  
 Ion Ratio Lower Upper  
 82 100  
 128 0.0 35.9 53.9#  
 54 0.0 40.9 61.3#

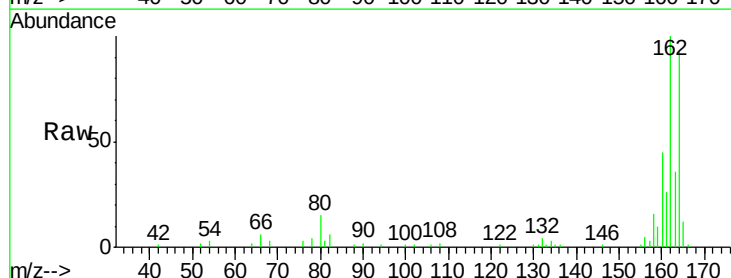


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

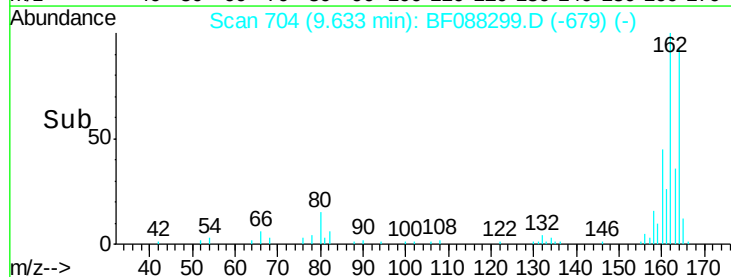
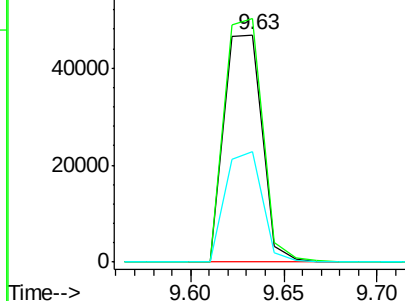


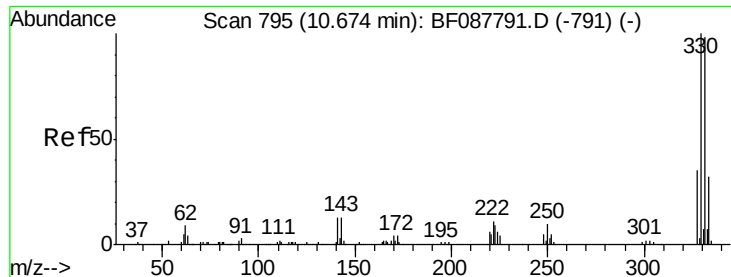
#38  
 Acenaphthene-d10  
 Concen: 5.00 ng  
 RT: 9.63 min Scan# 704  
 Delta R.T. -0.01 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Tgt Ion: 164 Resp: 66922  
 Ion Ratio Lower Upper  
 164 100  
 162 107.0 85.4 128.2  
 160 48.5 39.5 59.3



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

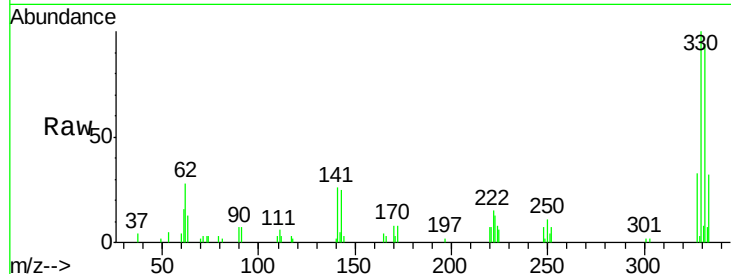




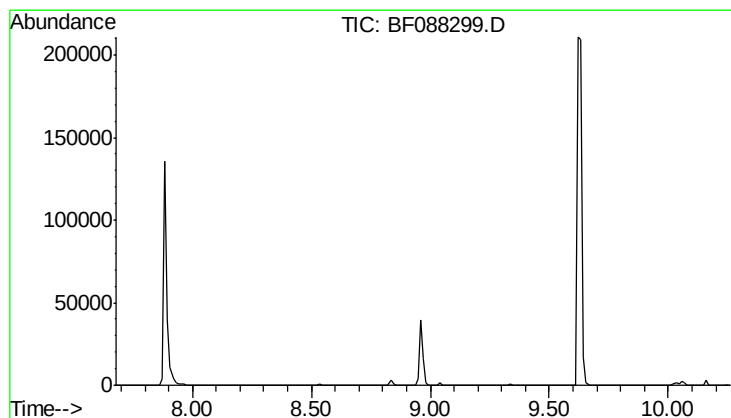
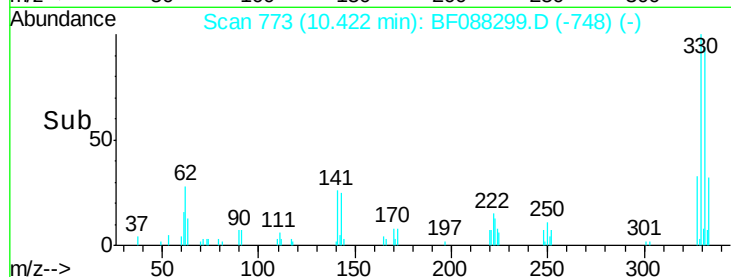
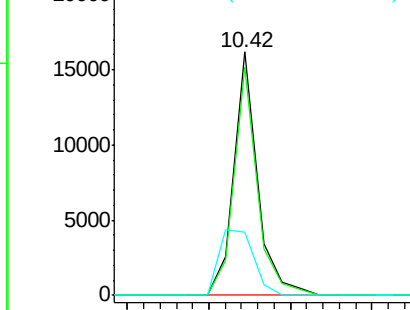
#41  
 2,4,6-Tribromophenol  
 Concen: 5.70 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Instrument :  
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Tgt Ion: 330 Resp: 16102  
 Ion Ratio Lower Upper  
 330 100  
 332 92.7 0.0 0.0#  
 141 39.7 0.0 0.0#



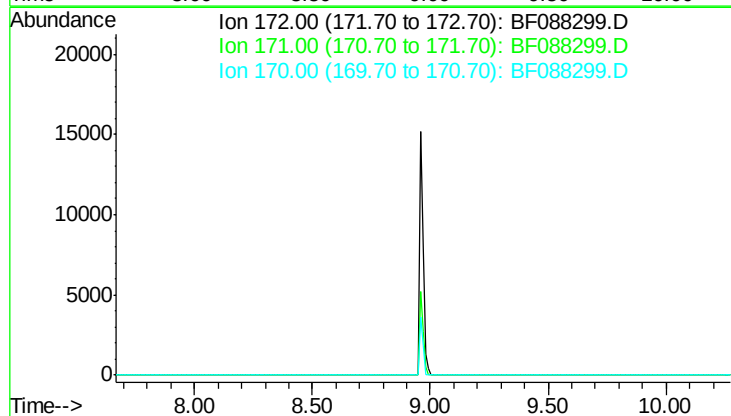
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

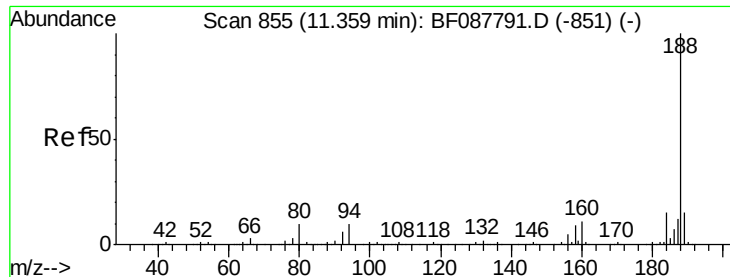


#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 Expected RT: 8.97 min

Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 35.8  
 170 24.0

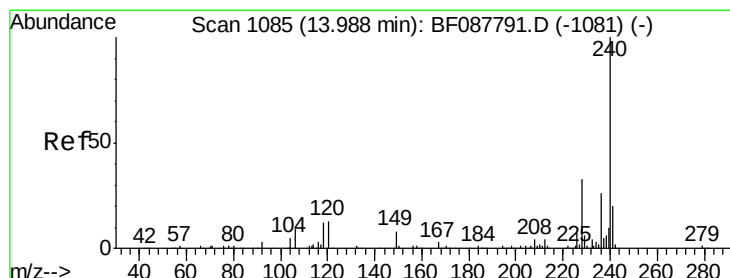
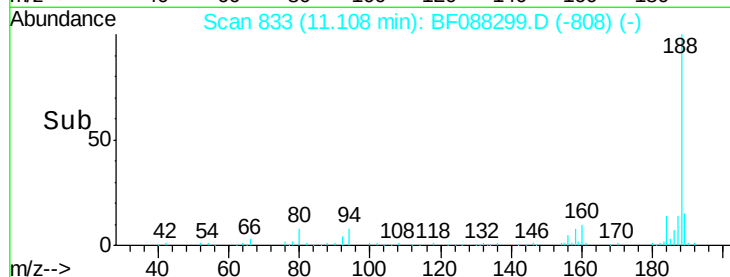
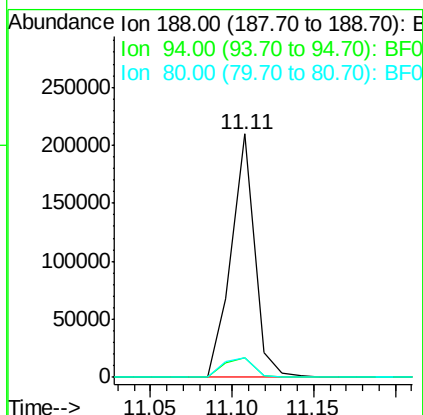
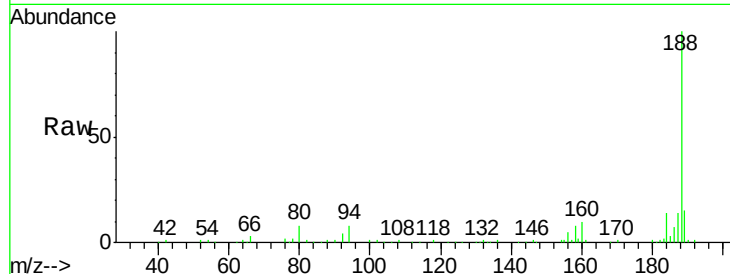




#63  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 11.11 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF088299.D  
Acq: 23 Jun 2016 20:15

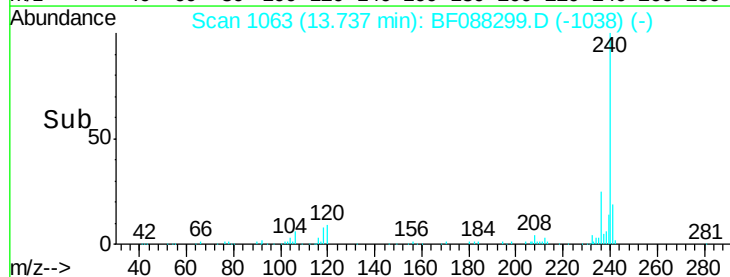
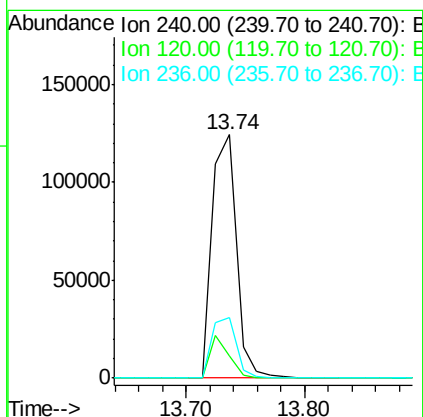
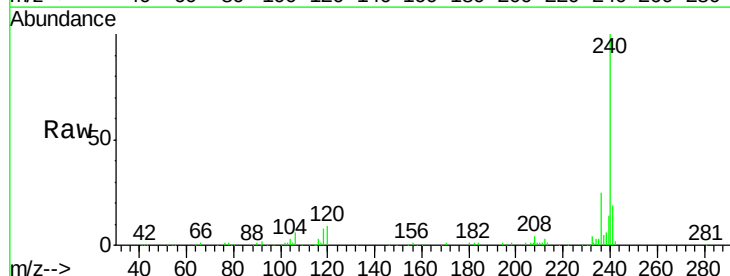
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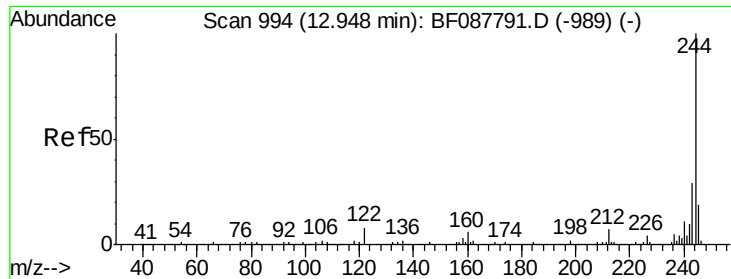
Tgt Ion:188 Resp: 208795  
Ion Ratio Lower Upper  
188 100  
94 8.0 9.0 13.6#  
80 7.9 10.0 15.0#



#75  
Chrysene-d12  
Concen: 5.00 ng  
RT: 13.74 min Scan# 1063  
Delta R.T. -0.01 min  
Lab File: BF088299.D  
Acq: 23 Jun 2016 20:15

Tgt Ion:240 Resp: 175770  
Ion Ratio Lower Upper  
240 100  
120 9.2 6.8 10.2  
236 25.0 20.2 30.2

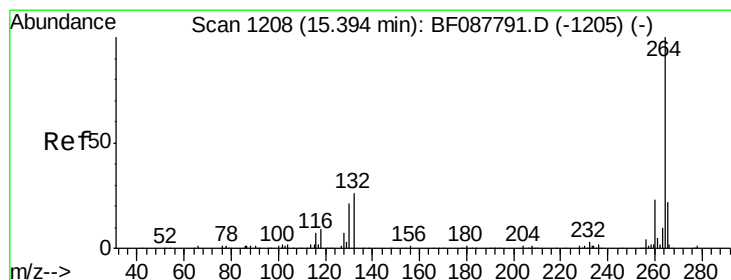
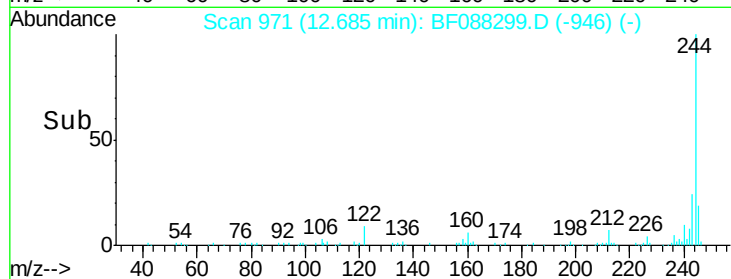
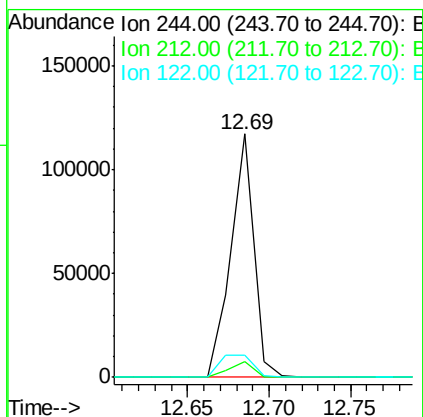
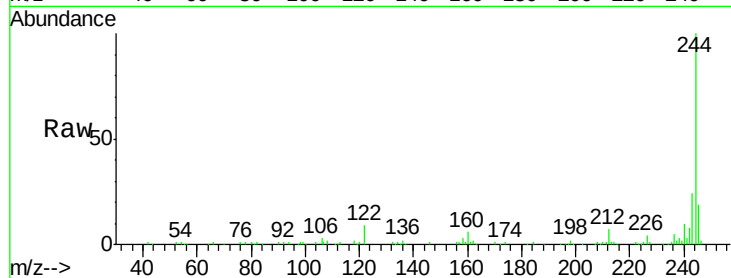




#78  
 Terphenyl-d14  
 Concen: 3.68 ng  
 RT: 12.69 min Scan# 971  
 Delta R.T. -0.01 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LF017MW003-160512

Tgt Ion:244 Resp: 113822  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.0 9.0  
 122 9.0 11.2 16.8#



#86  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 15.09 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF088299.D  
 Acq: 23 Jun 2016 20:15

Tgt Ion:264 Resp: 118386  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 22.9 16.9 25.3

