

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033016\  
 Data File : BF085913.D  
 Acq On : 31 Mar 2016 5:49  
 Operator : UM/SJ  
 Sample : H2012-02  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 032416-P2EB-F-D-S

Quant Time: Mar 31 06:48:18 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 12:31:18 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 112338   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 461002   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.83  | 164  | 189645   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 318064   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.96 | 240  | 238877   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.37 | 264  | 230698   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 312145   | 46.28  | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 250270   | 29.18  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 615937   | 75.24  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 137284   | 76.19  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1144138  | 100.80 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.91 | 244  | 818934   | 70.51  | ng    | 0.00     |

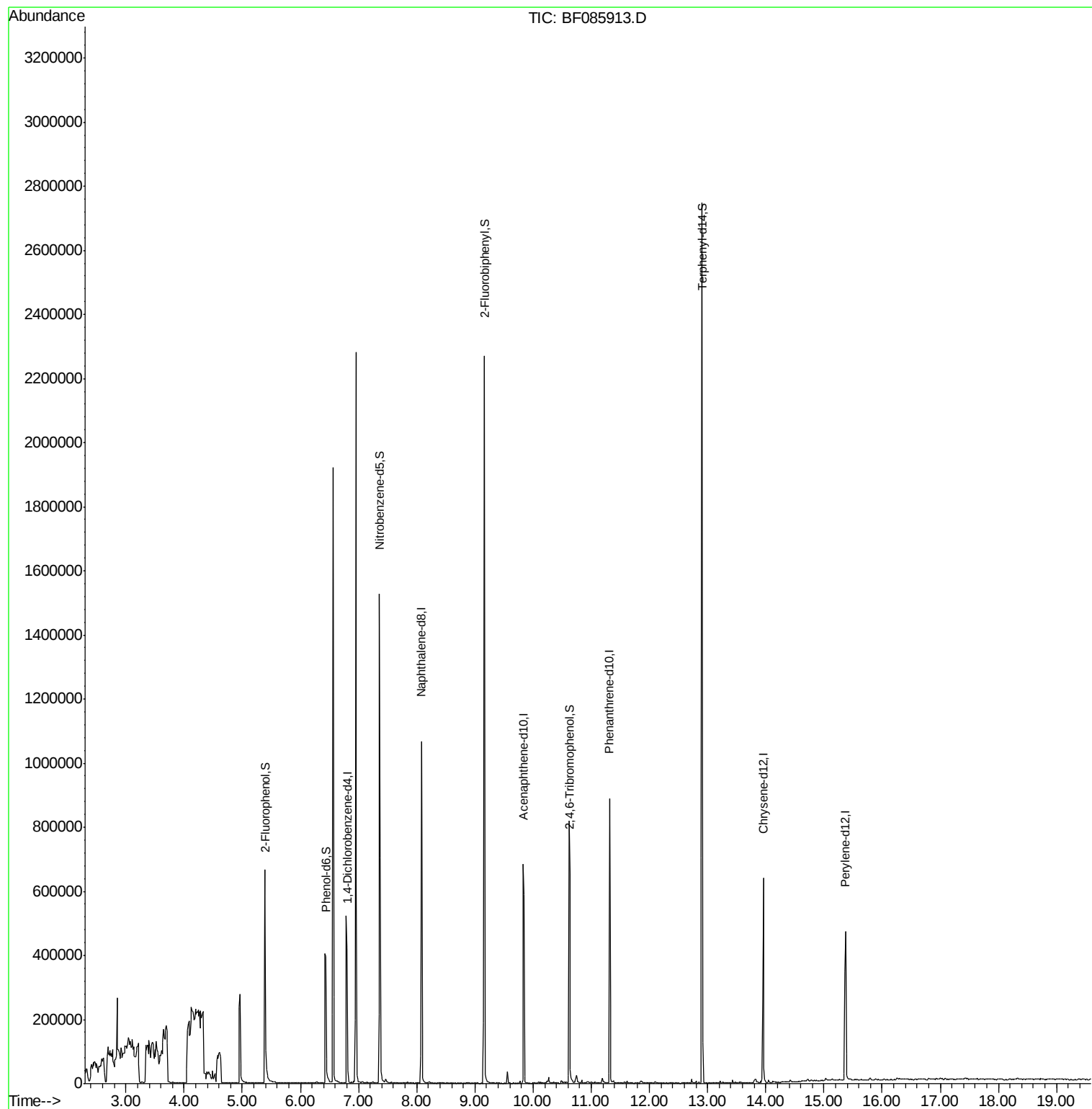
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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QLast Update : Wed Mar 30 12:31:18 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF085913.D

Acq: 31 Mar 2016 5:49

Instrument :

BNA\_F

ClientSampleId :

032416-P2EB-F-D-S

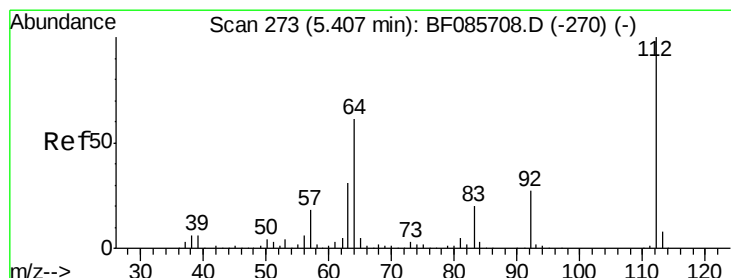
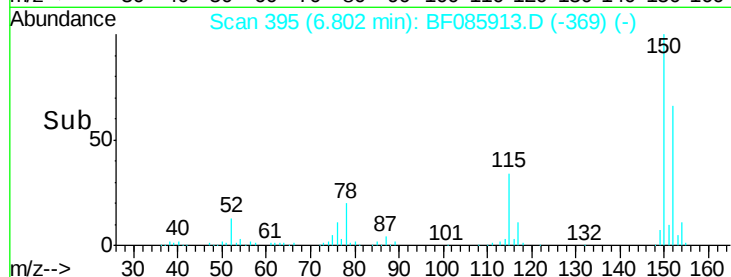
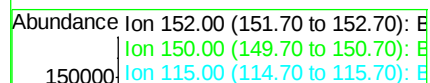
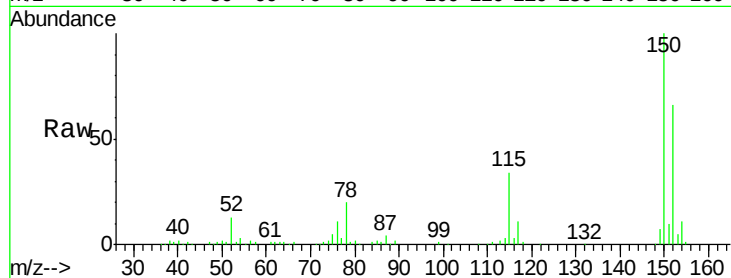
Tgt Ion:152 Resp: 112338

Ion Ratio Lower Upper

152 100

150 151.8 124.2 186.2

115 51.9 47.0 70.6



#5

2-Fluorophenol

Concen: 46.28 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085913.D

Acq: 31 Mar 2016 5:49

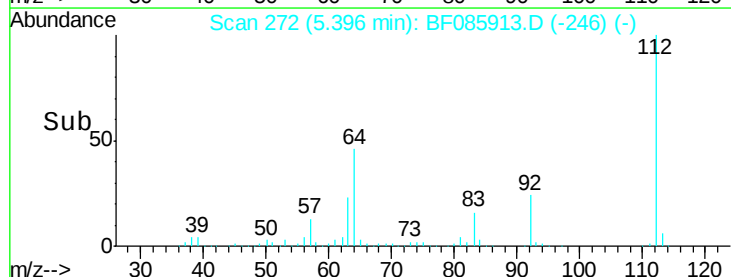
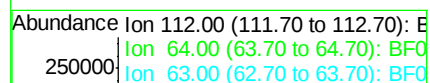
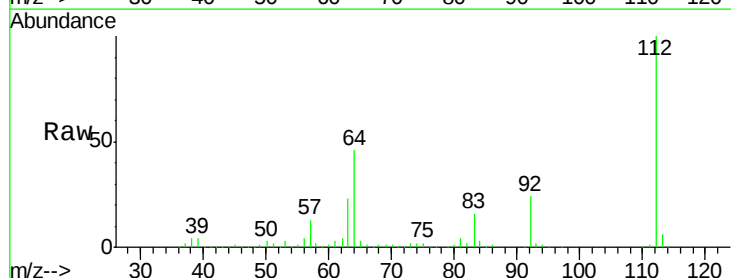
Tgt Ion:112 Resp: 312145

Ion Ratio Lower Upper

112 100

64 45.7 39.9 59.9

63 23.2 20.2 30.2





#7

Phenol-d6

Concen: 29.18 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085913.D

Acq: 31 Mar 2016 5:49

Instrument :

BNA\_F

ClientSampleId :

032416-P2EB-F-D-S

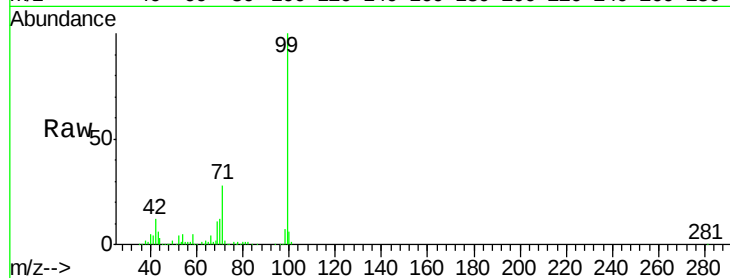
Tgt Ion: 99 Resp: 250270

Ion Ratio Lower Upper

99 100

42 12.1 11.1 16.7

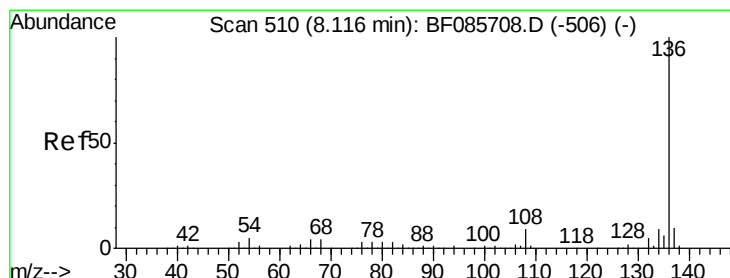
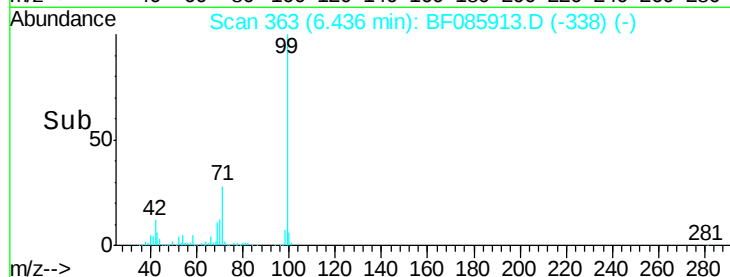
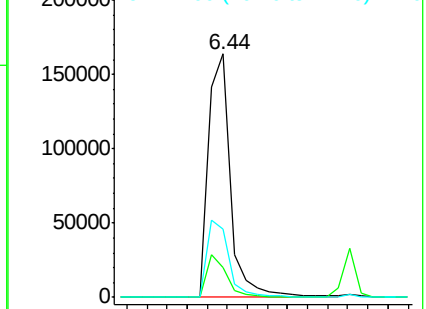
71 27.9 24.9 37.3



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: 8.08 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF085913.D

Acq: 31 Mar 2016 5:49

Tgt Ion: 136 Resp: 461002

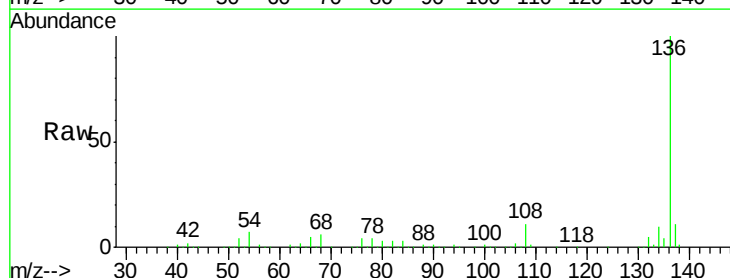
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.1 7.4 11.0#

68 5.9 5.8 8.8

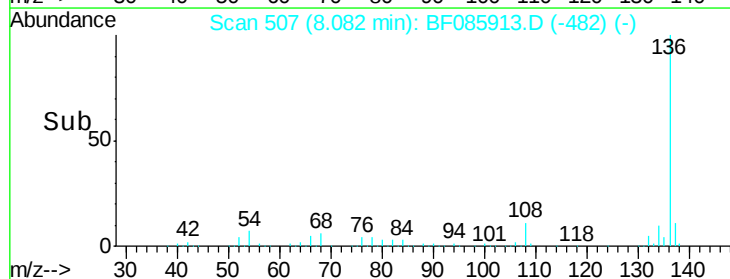
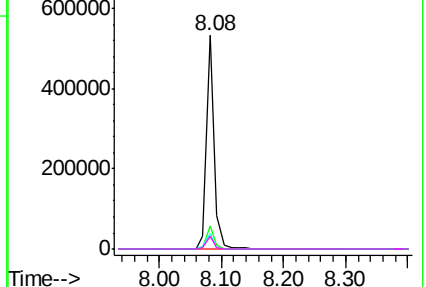


Abundance Ion 136.00 (135.70 to 136.70): E

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

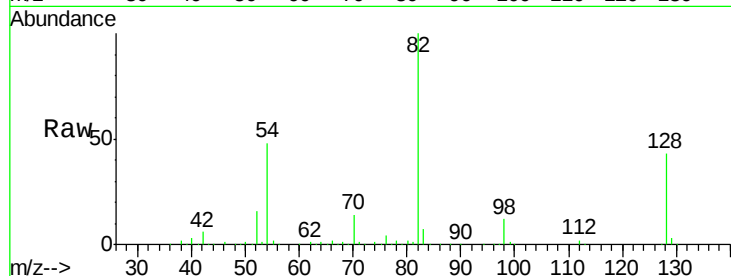




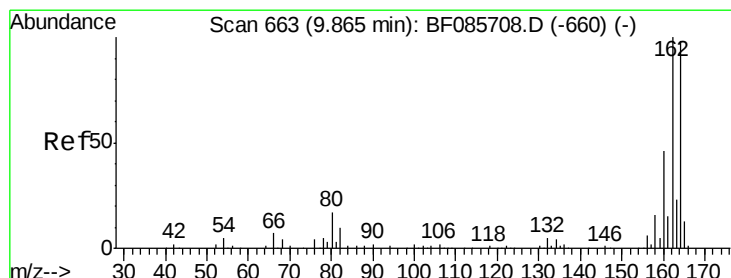
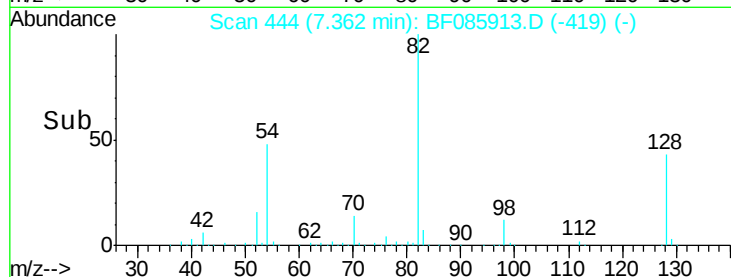
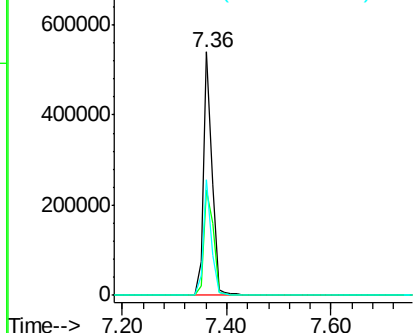
#23  
 Nitrobenzene-d5  
 Concen: 75.24 ng  
 RT: 7.36 min Scan# 444  
 Delta R.T. -0.01 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 032416-P2EB-F-D-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.3  | 41.8  | 62.8  |
| 54      | 47.7  | 33.4  | 50.0  |

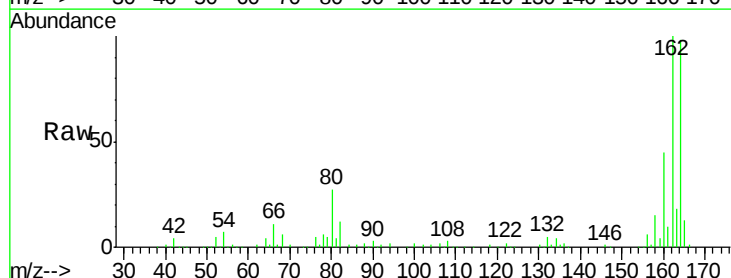


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

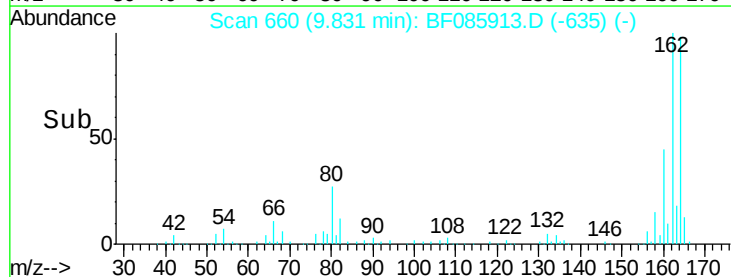
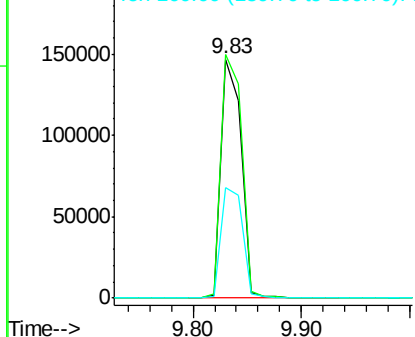


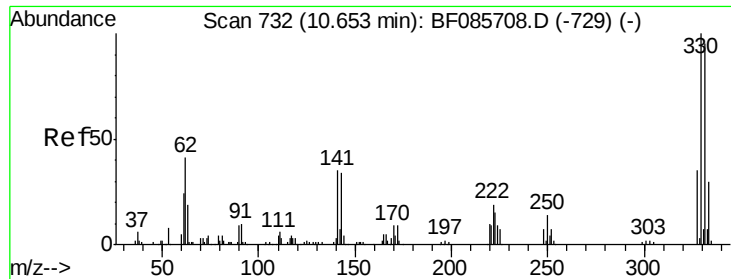
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.83 min Scan# 660  
 Delta R.T. -0.01 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 82.1  | 123.1 |
| 160     | 46.4  | 37.4  | 56.2  |



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

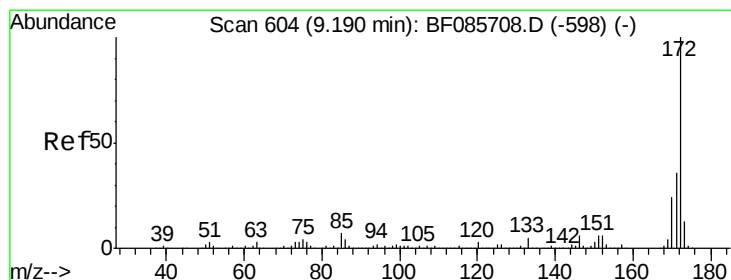
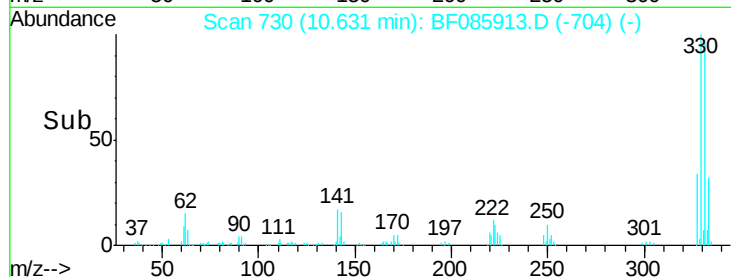
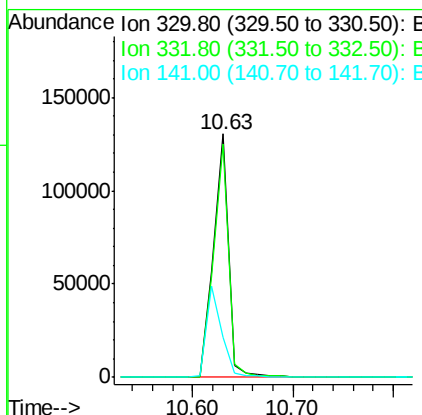
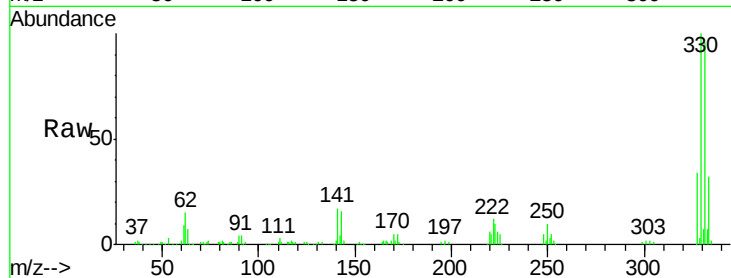




#41  
 2,4,6-Tribromophenol  
 Concen: 76.19 ng  
 RT: 10.63 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

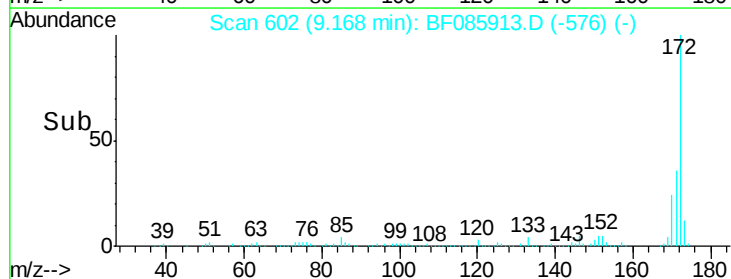
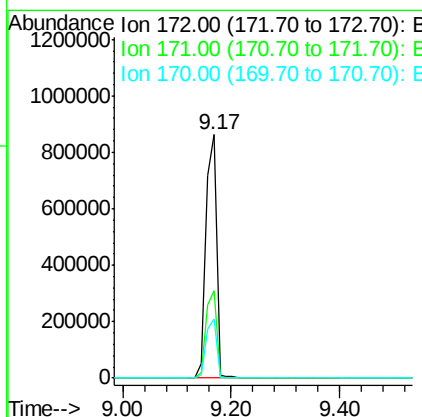
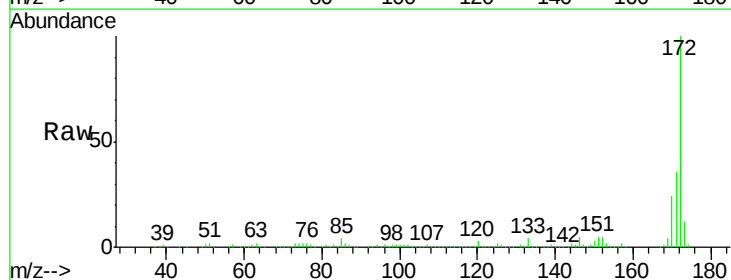
Instrument :  
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 032416-P2EB-F-D-S

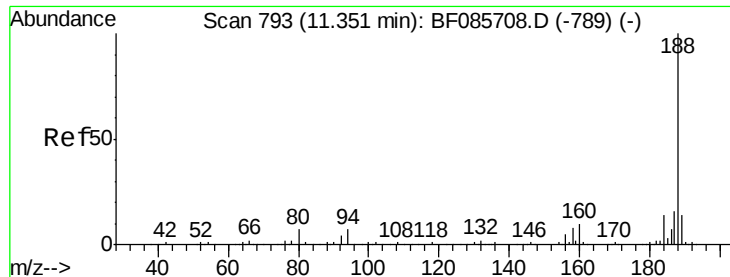
Tgt Ion:330 Resp: 137284  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.2 117.2  
 141 38.1 31.5 47.3



#44  
 2-Fluorobiphenyl  
 Concen: 100.80 ng  
 RT: 9.17 min Scan# 602  
 Delta R.T. -0.00 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

Tgt Ion:172 Resp: 1144138  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.3 19.8 29.6

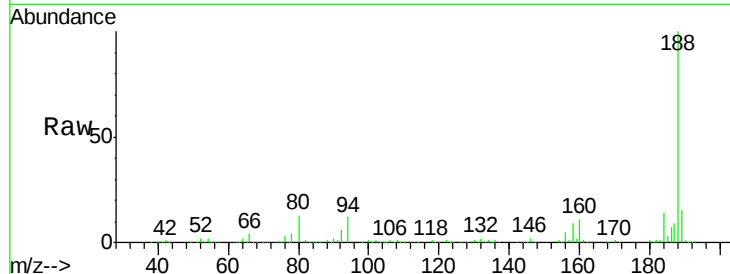




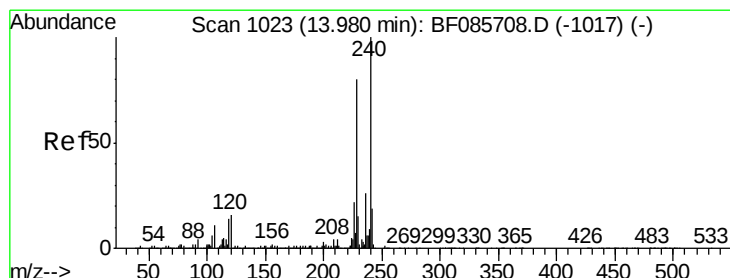
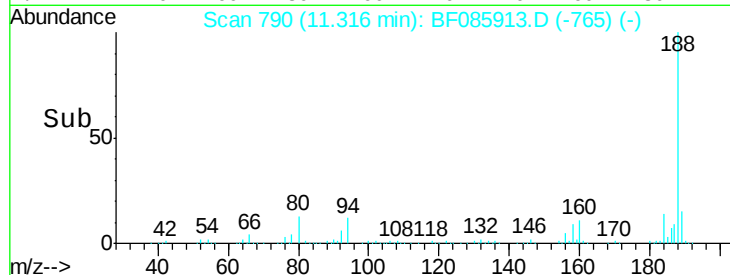
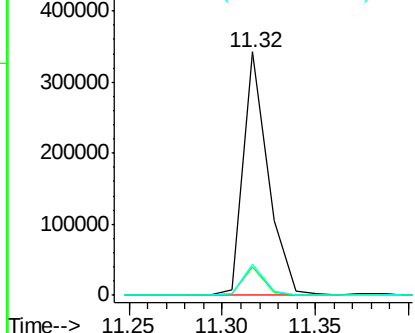
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF085913.D  
Acq: 31 Mar 2016 5:49

Instrument :  
BNA\_F  
ClientSampleId :  
032416-P2EB-F-D-S

Tgt Ion:188 Resp: 318064  
Ion Ratio Lower Upper  
188 100  
94 11.9 5.4 8.0#  
80 13.0 5.5 8.3#

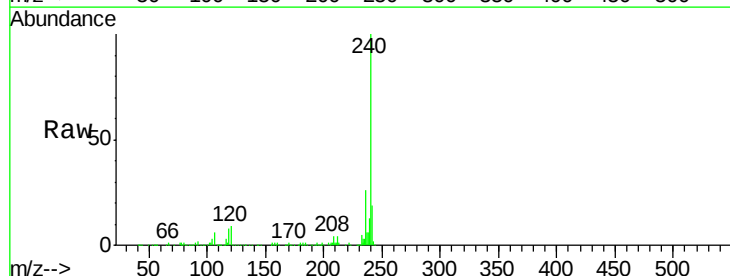


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

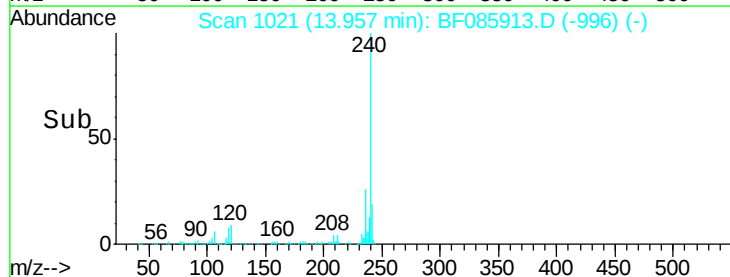
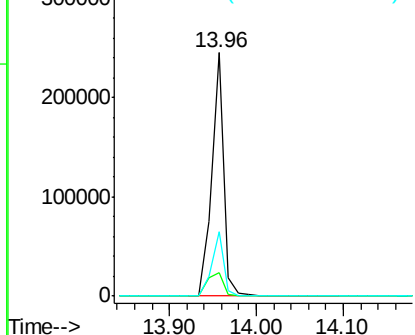


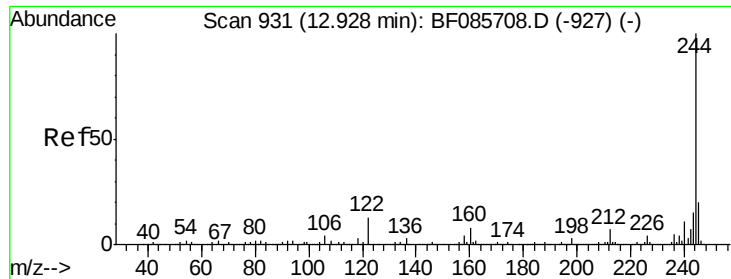
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.96 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF085913.D  
Acq: 31 Mar 2016 5:49

Tgt Ion:240 Resp: 238877  
Ion Ratio Lower Upper  
240 100  
120 9.4 13.8 20.8#  
236 26.5 20.6 30.8



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

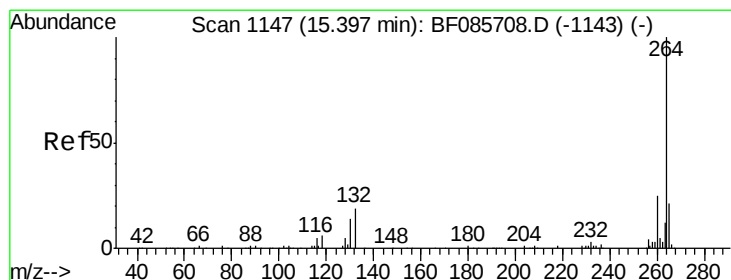
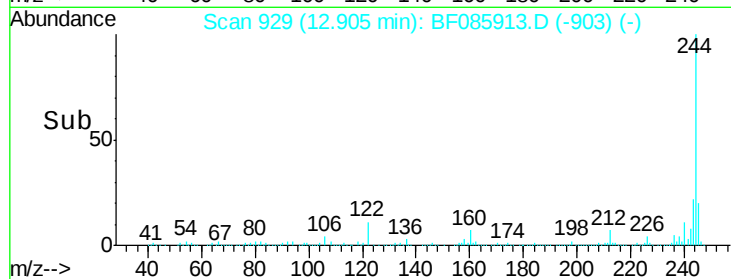
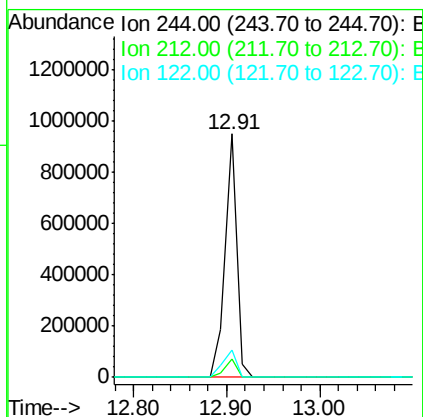
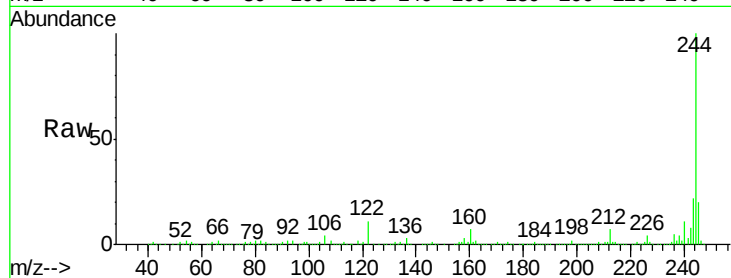




#78  
 Terphenyl-d14  
 Concen: 70.51 ng  
 RT: 12.91 min Scan# 929  
 Delta R.T. -0.00 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

Instrument :  
 BNA\_F  
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Tgt Ion:244 Resp: 818934  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 11.4 10.2 15.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.37 min Scan# 1145  
 Delta R.T. -0.00 min  
 Lab File: BF085913.D  
 Acq: 31 Mar 2016 5:49

Tgt Ion:264 Resp: 230698  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.4 29.2  
 265 21.7 17.2 25.8

