

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\  
 Data File : BF088976.D  
 Acq On : 14 Jul 2016 00:05  
 Operator : UM/SJ  
 Sample : H3946-17  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P7-B6(0-7)C

Quant Time: Jul 14 03:19:22 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

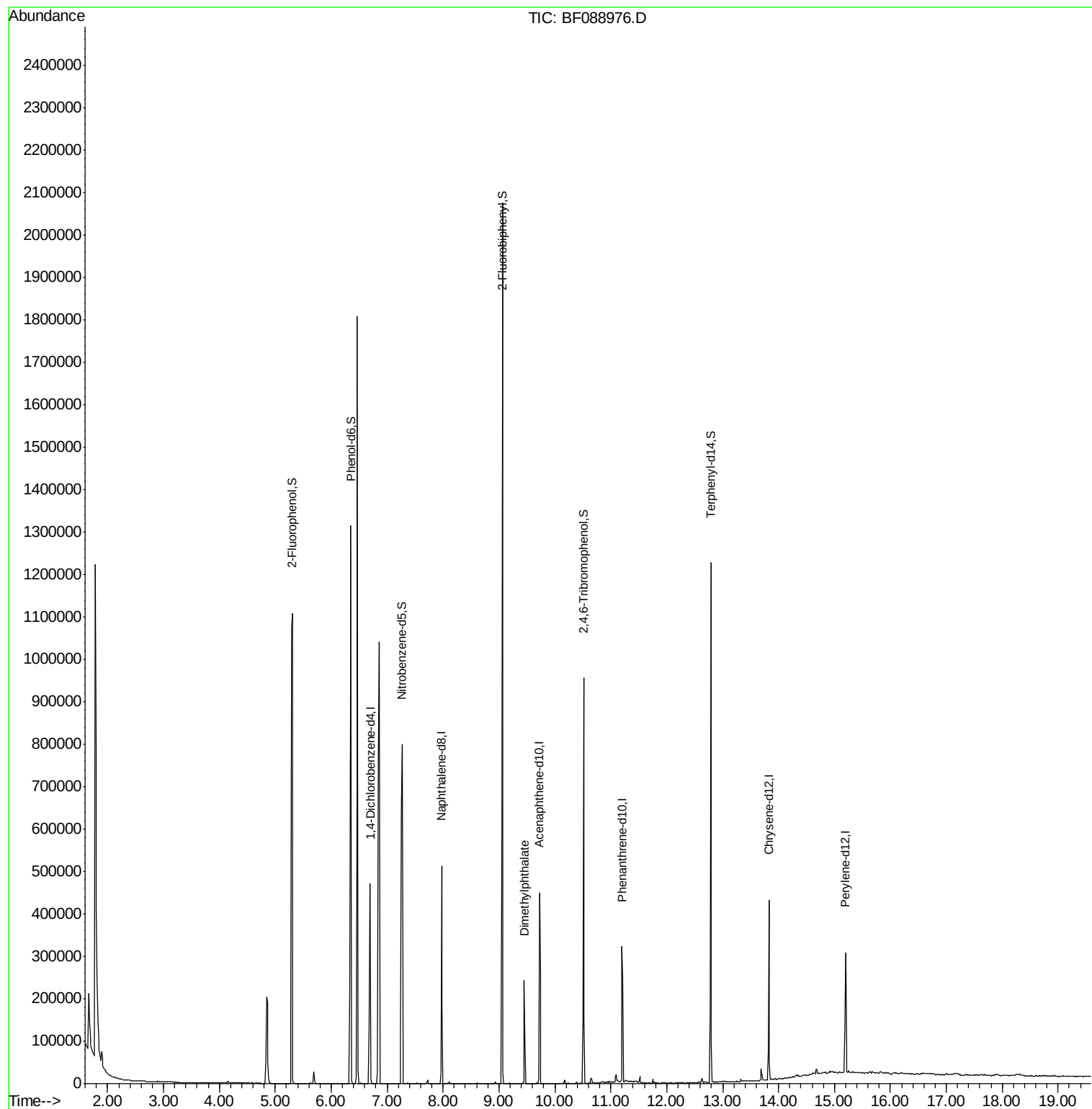
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 70610    | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 7.98  | 136  | 248781   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.72  | 164  | 101835   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.20 | 188  | 156463   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 13.83 | 240  | 126916   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 15.20 | 264  | 113010   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.30  | 112  | 474122   | 100.63 | ng    | 0.01           |
| 7) Phenol-d6                | 6.35  | 99   | 647732   | 106.40 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 383824   | 80.85  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 99211    | 104.91 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 600020   | 93.07  | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.79 | 244  | 321809   | 56.48  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.45  | 163  | 107806   | 14.86  | ng    | Qvalue<br># 99 |

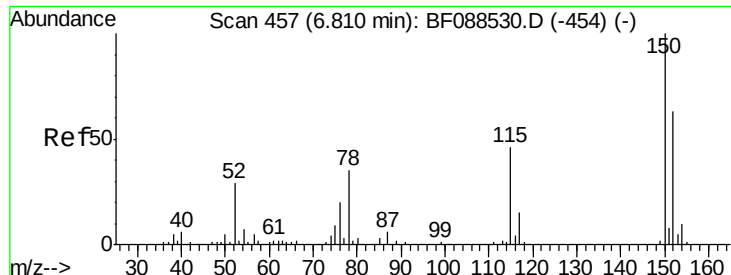
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 11 18:13:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

P7-B6(0-7)C

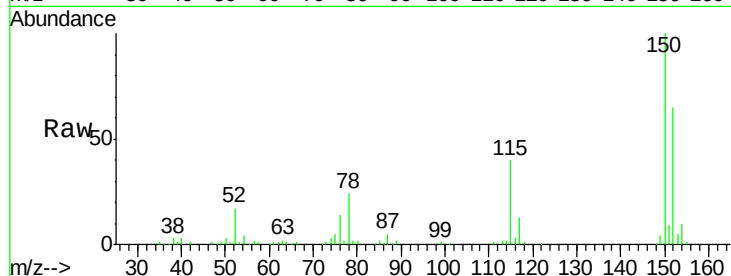
Tot Ion:152 Resp: 70610

Ion Ratio Lower Upper

152 100

150 153.8 123.8 185.6

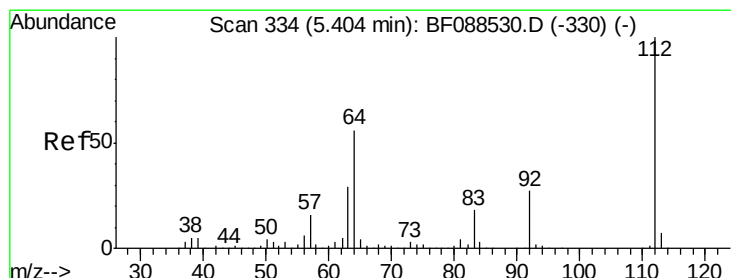
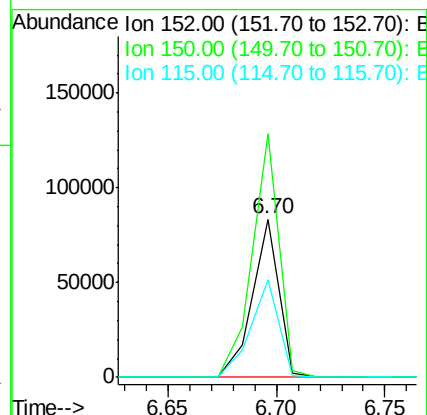
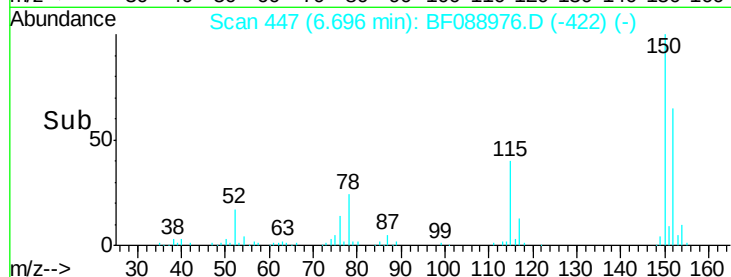
115 61.9 39.6 59.4#



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: 100.63 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

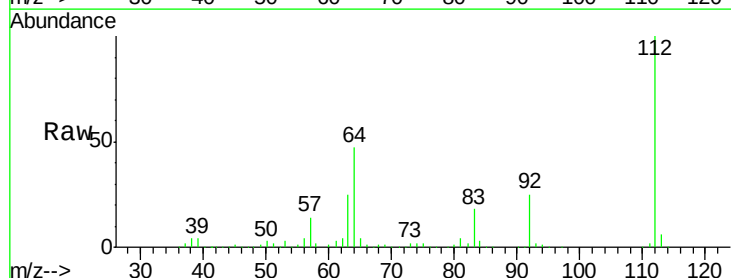
Tgt Ion:112 Resp: 474122

Ion Ratio Lower Upper

112 100

64 46.6 42.2 63.2

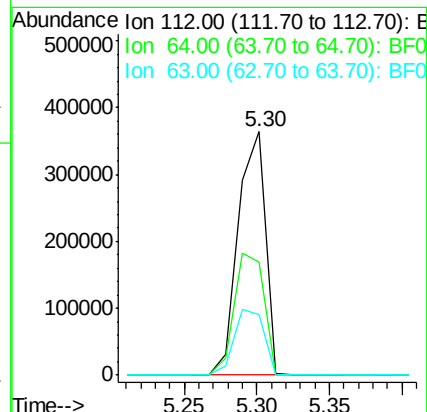
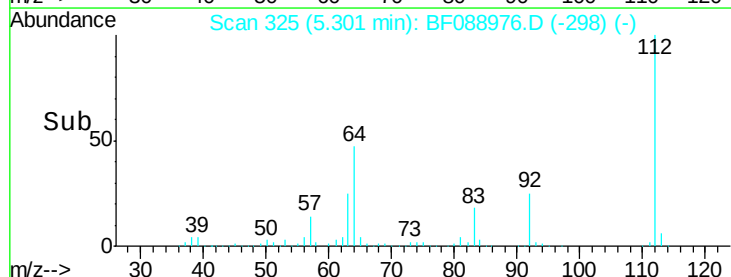
63 24.9 21.8 32.8

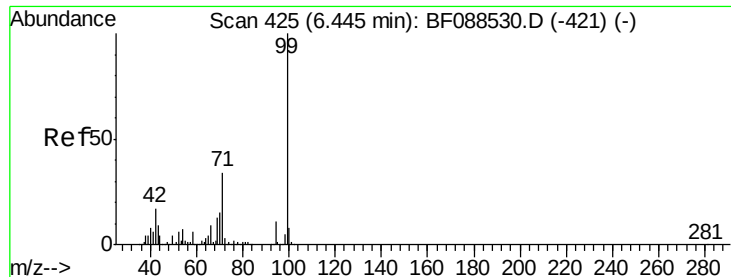


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.40 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

P7-B6(0-7)C

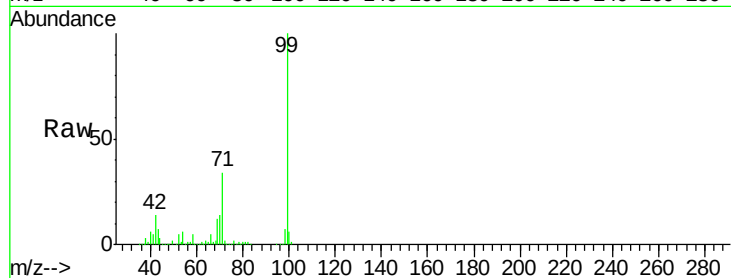
Tot Ion: 99 Resp: 647732

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

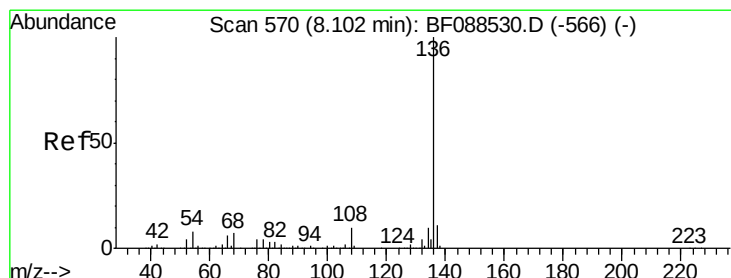
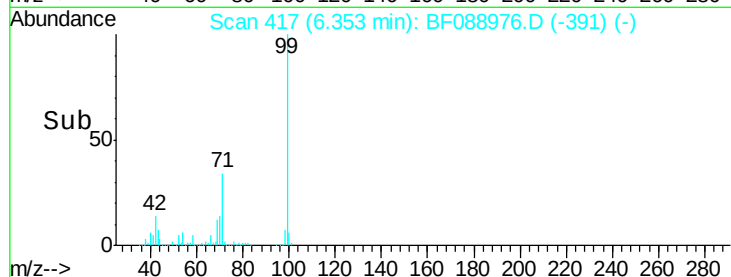
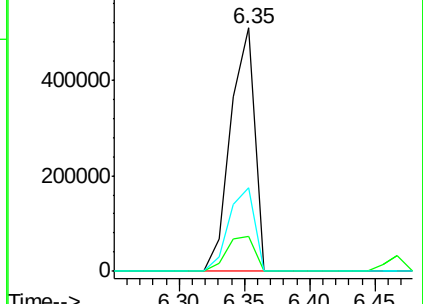
71 34.1 23.4 35.0



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: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

Tgt Ion: 136 Resp: 248781

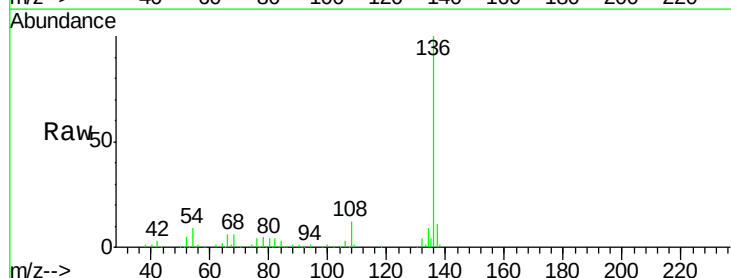
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.0 6.6 10.0

68 6.3 5.1 7.7

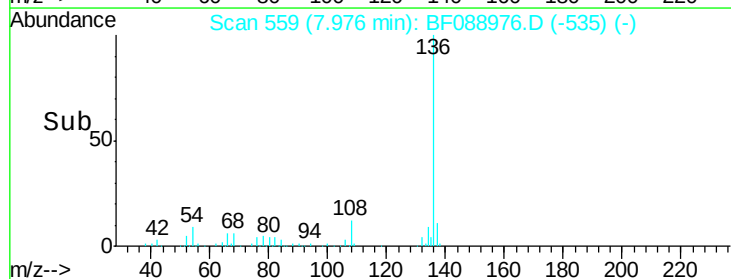
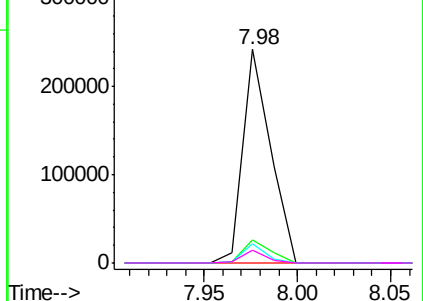


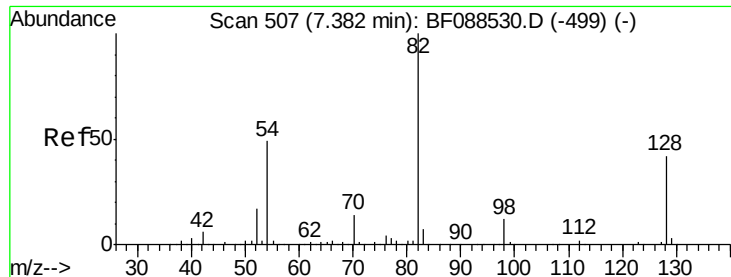
Abundance Ion 136.00 (135.70 to 136.70): E

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

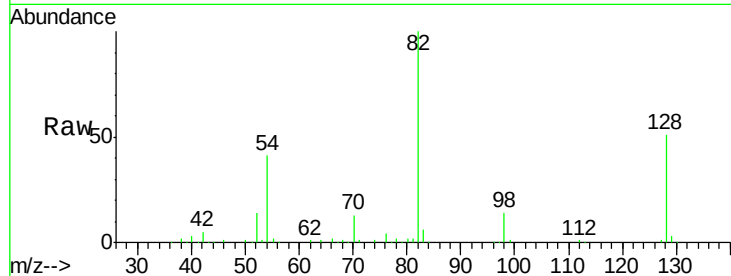




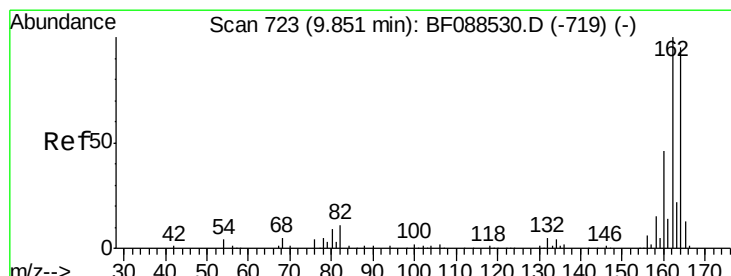
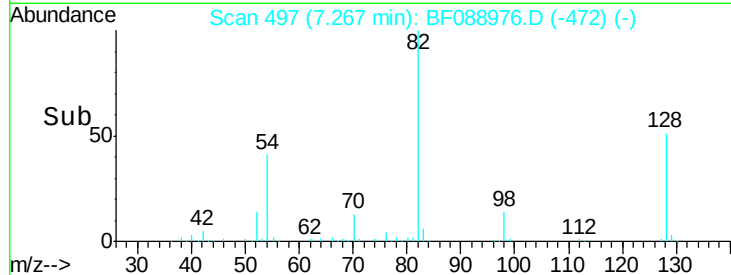
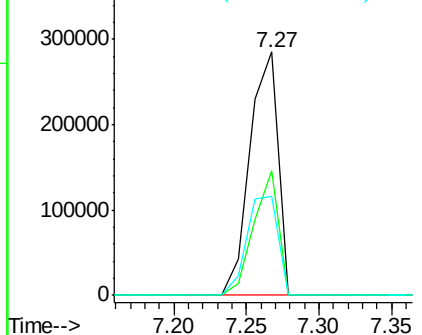
#23  
 Nitrobenzene-d5  
 Concen: 80.85 ng  
 RT: 7.27 min Scan# 497  
 Delta R.T. -0.01 min  
 Lab File: BF088976.D  
 Acq: 14 Jul 2016 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P7-B6(0-7)C

| Tot Ion   | 82    | Resp  | 383824 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.2  | 35.9  | 53.9   |
| 54        | 40.6  | 40.9  | 61.3#  |

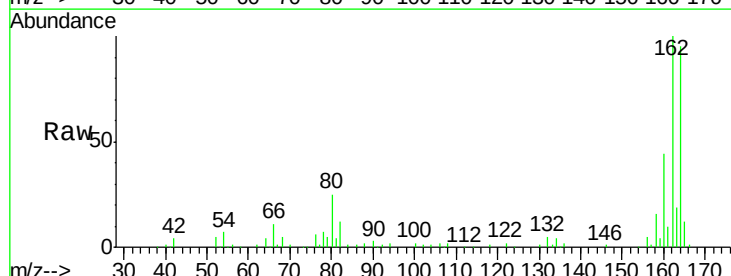


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

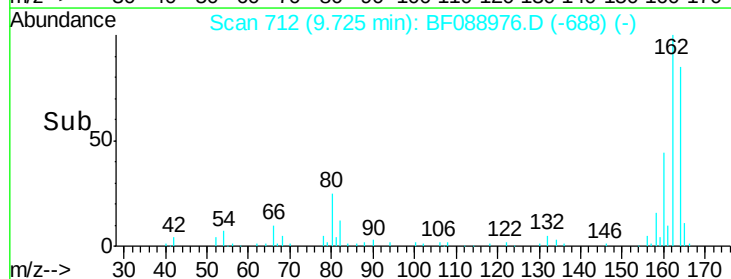
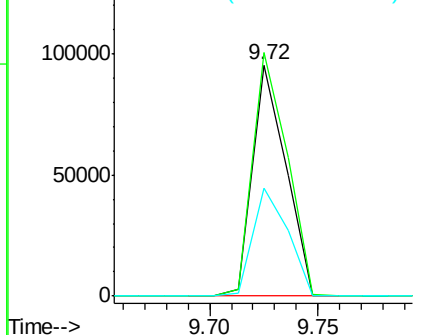


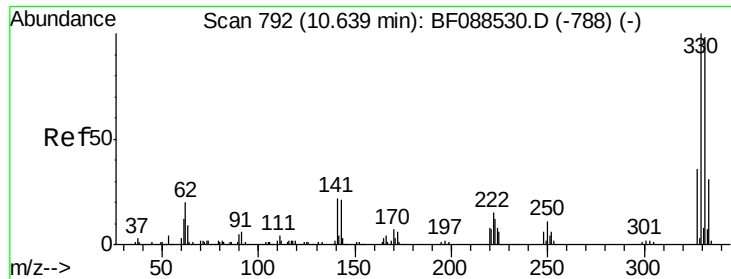
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 712  
 Delta R.T. -0.02 min  
 Lab File: BF088976.D  
 Acq: 14 Jul 2016 00:05

| Tgt Ion   | 164   | Resp  | 101835 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.2 | 85.4  | 128.2  |
| 160       | 46.7  | 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

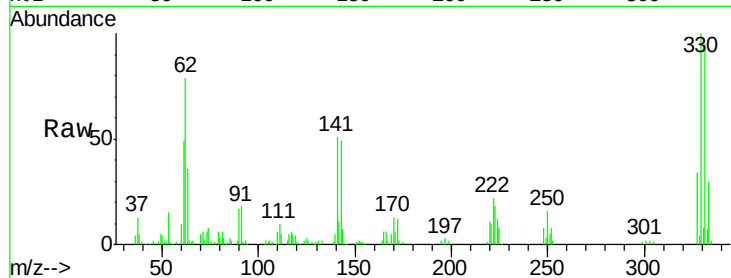




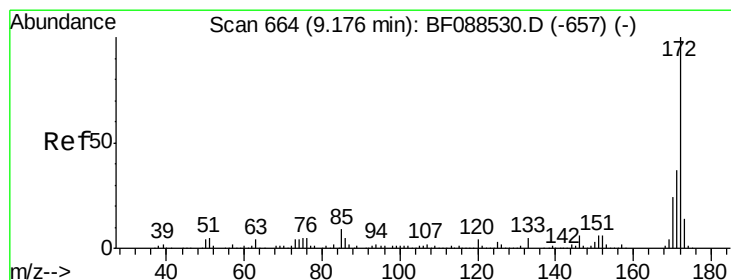
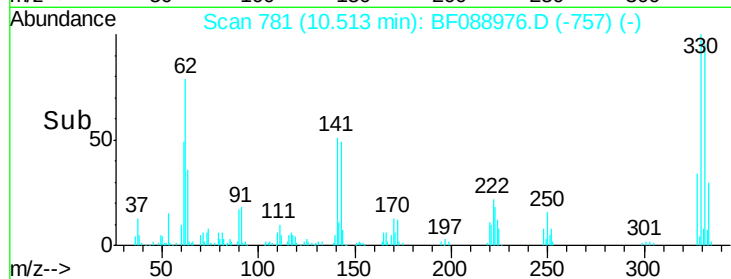
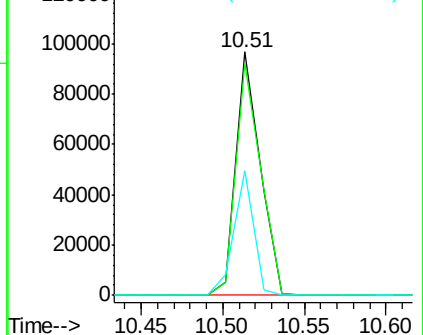
#41  
 2,4,6-Tribromophenol  
 Concen: 104.91 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.02 min  
 Lab File: BF088976.D  
 Acq: 14 Jul 2016 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P7-B6(0-7)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 0.0   | 0.0#  |
| 141     | 41.8  | 0.0   | 0.0#  |

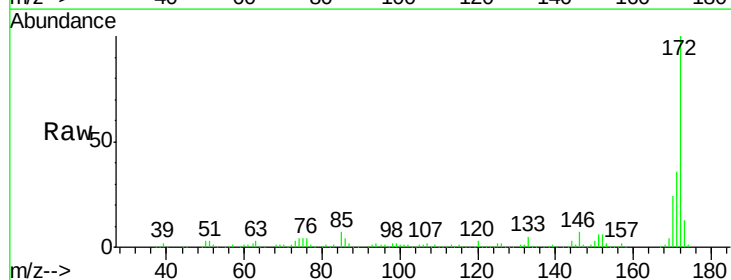


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

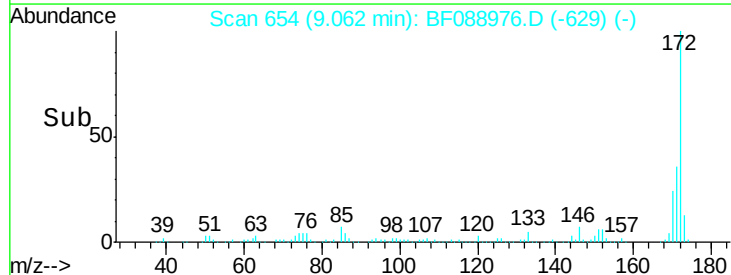
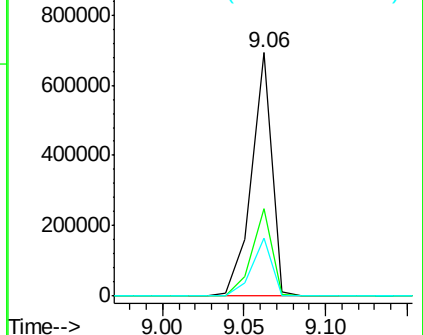


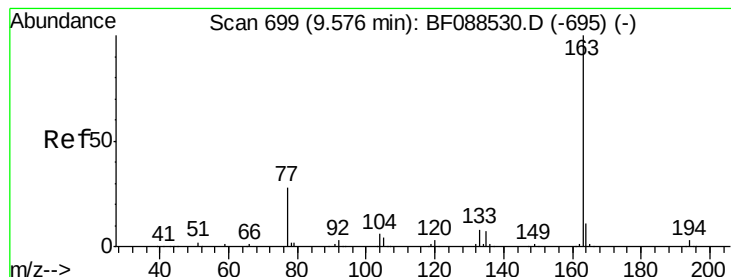
#44  
 2-Fluorobiphenyl  
 Concen: 93.07 ng  
 RT: 9.06 min Scan# 654  
 Delta R.T. -0.01 min  
 Lab File: BF088976.D  
 Acq: 14 Jul 2016 00:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 43.0  |
| 170     | 23.8  | 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





#49

Dimethylphthalate

Concen: 14.86 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

P7-B6(0-7)C

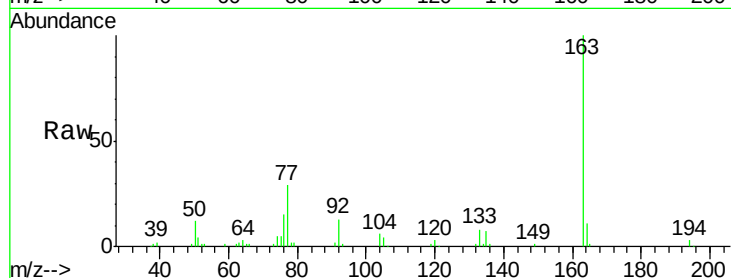
Tot Ion:163 Resp: 107806

Ion Ratio Lower Upper

163 100

194 2.8 2.8 4.2#

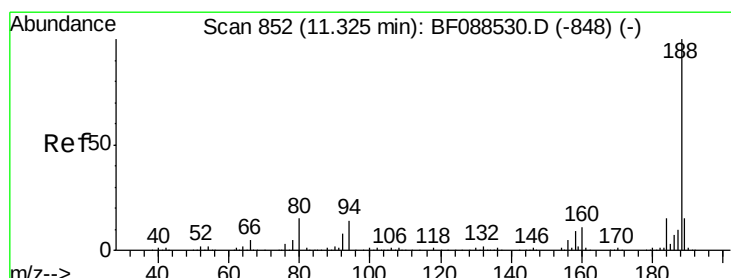
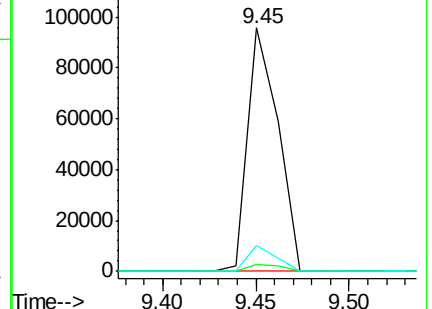
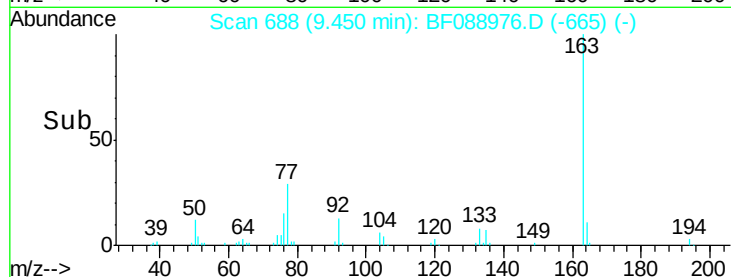
164 10.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

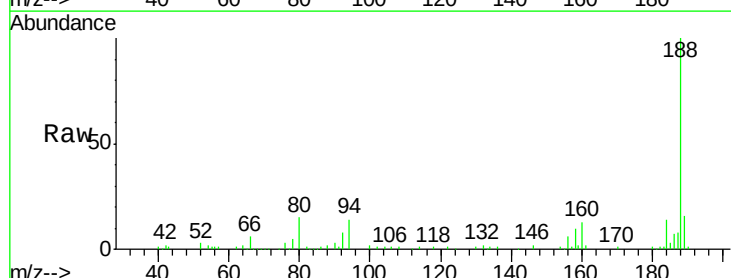
Tgt Ion:188 Resp: 156463

Ion Ratio Lower Upper

188 100

94 13.6 9.0 13.6

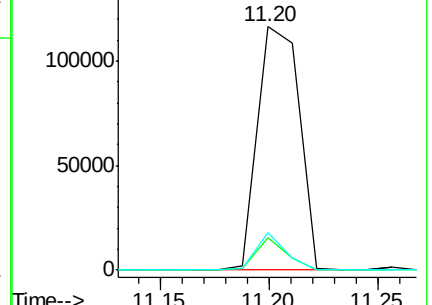
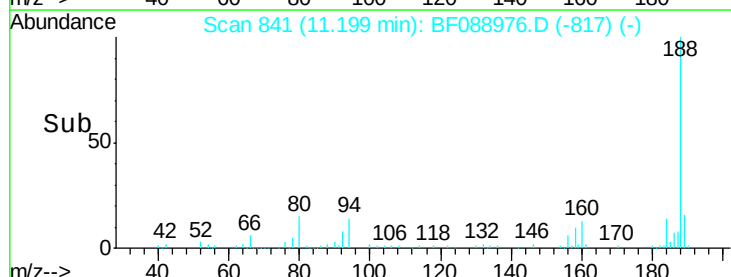
80 15.2 10.0 15.0#

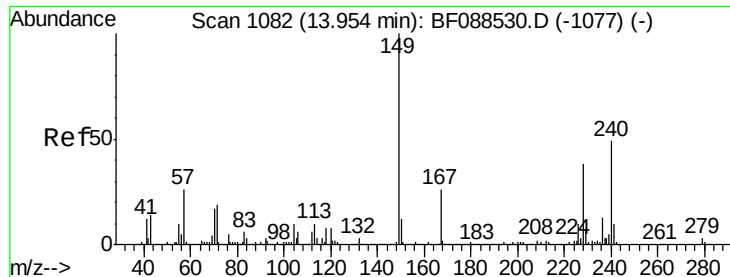


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

P7-B6(0-7)C

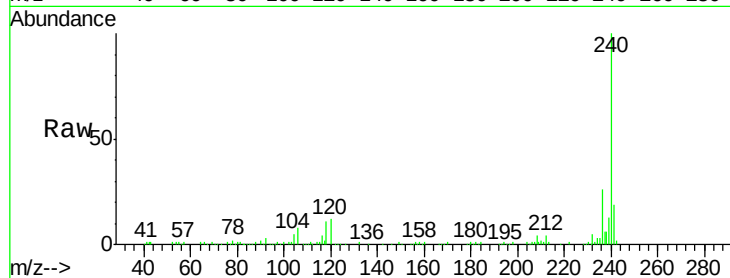
Tot Ion:240 Resp: 126916

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

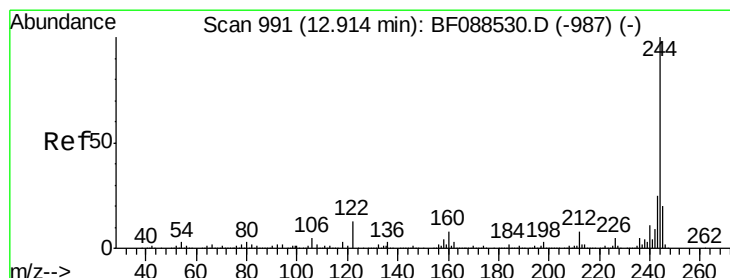
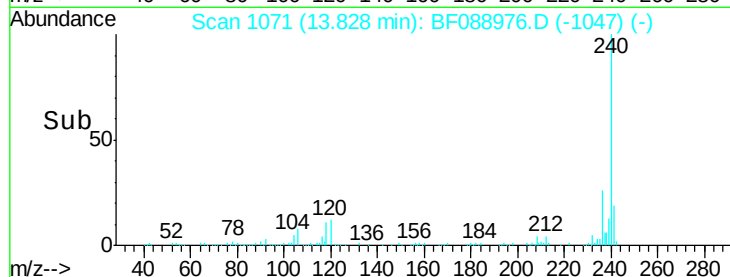
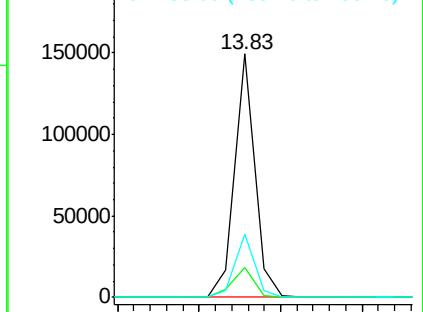
236 25.7 20.2 30.2



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: 56.48 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088976.D

Acq: 14 Jul 2016 00:05

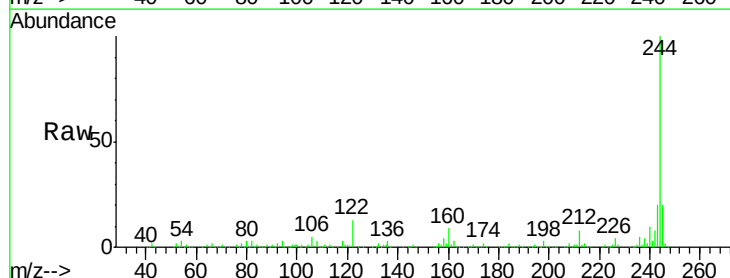
Tgt Ion:244 Resp: 321809

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

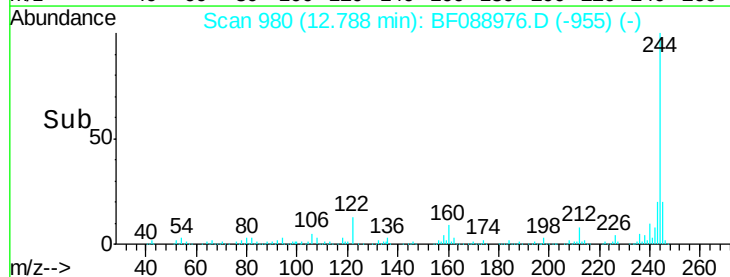
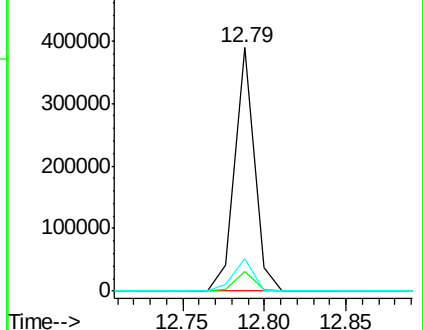
122 13.5 11.2 16.8



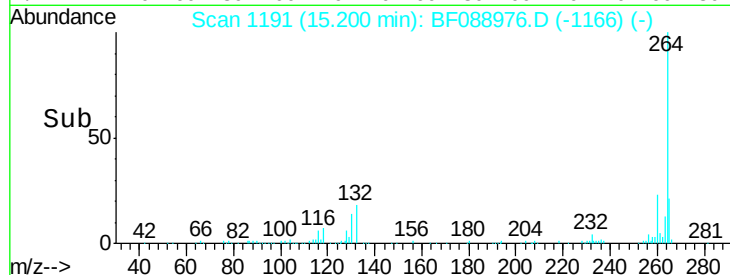
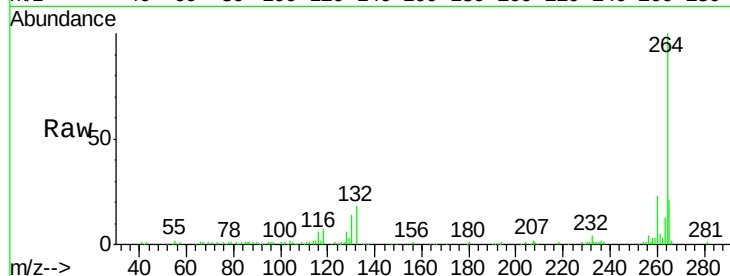
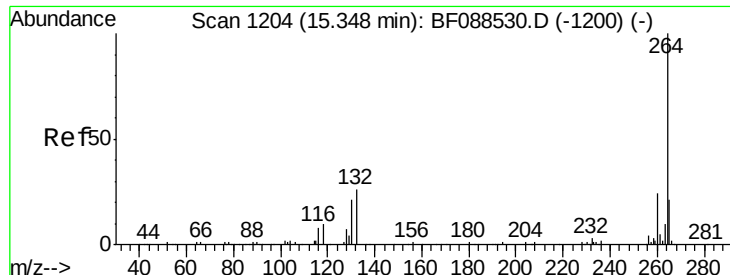
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.20 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF088976.D  
 Acq: 14 Jul 2016 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P7-B6(0-7)C

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:264 | Resp: | 113010      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 23.4  | 19.2 28.8   |
| 265         | 21.3  | 16.9 25.3   |

