

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\  
 Data File : BF088949.D  
 Acq On : 13 Jul 2016 7:18  
 Operator : UM/SJ  
 Sample : H3947-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WPG(15-20)SP-C

Quant Time: Jul 13 08:12:53 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

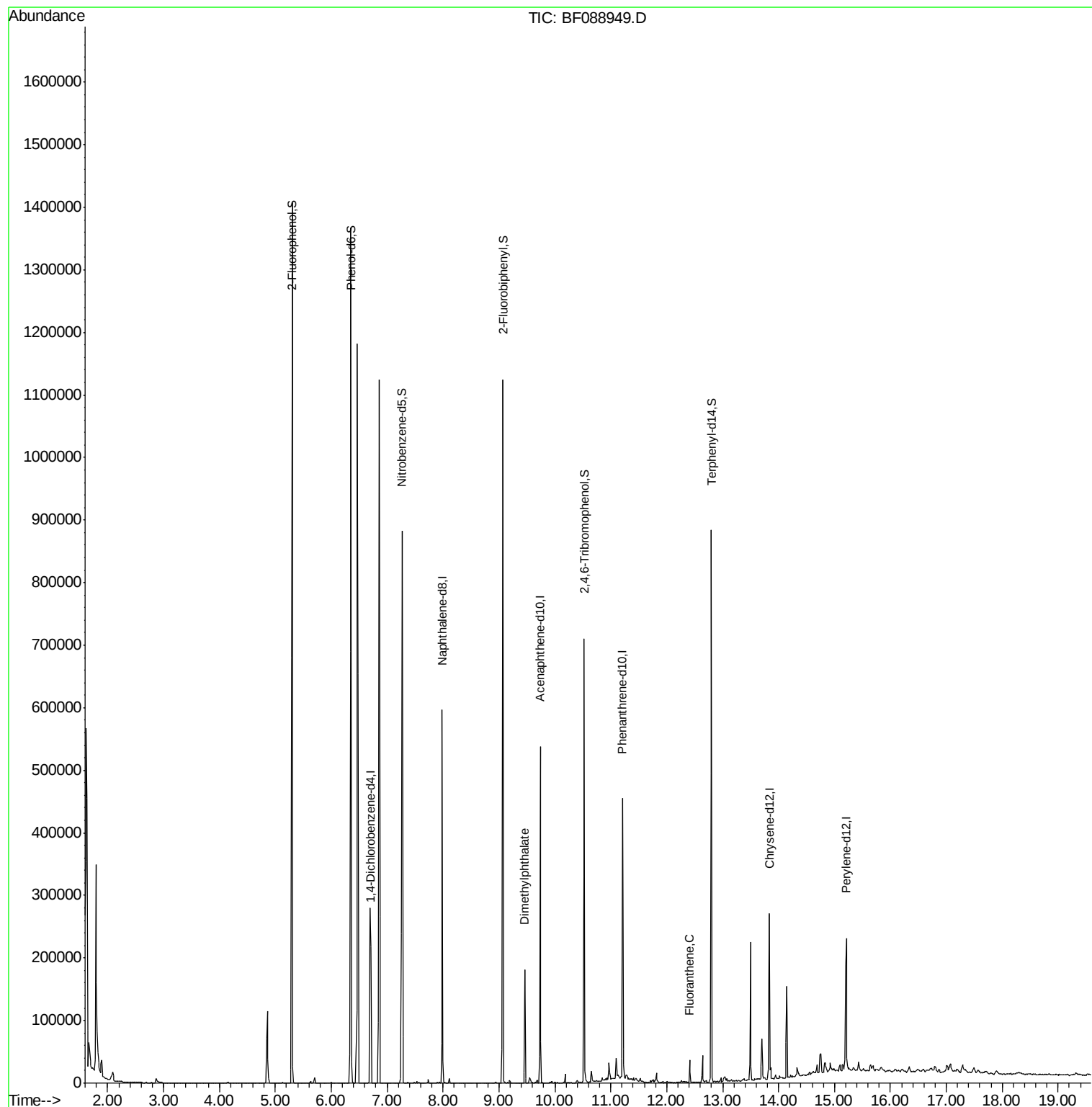
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 56214    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 234848   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 94333    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 143051   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.84 | 240  | 123991   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.21 | 264  | 105337   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 415027   | 110.65 | ng    | 0.01     |
| 7) Phenol-d6                | 6.35  | 99   | 523507   | 108.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 291889   | 65.13  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 89135    | 101.75 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 498797   | 83.52  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.80 | 244  | 312029   | 56.05  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.46  | 163  | 64282    | 9.56   | ng    | 100      |
| 74) Fluoranthene            | 12.41 | 202  | 16557    | 2.09   | ng    | 97       |

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

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Instrument :  
BNA\_F  
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WPG(15-20)SP-C

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QLast Update : Mon Jul 11 18:13:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

Instrument :

BNA\_F

ClientSampleId :

WPG(15-20)SP-C

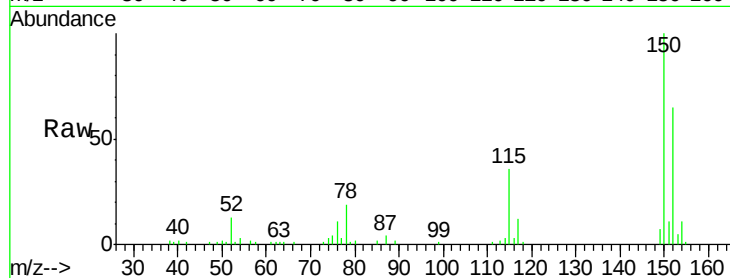
Tot Ion:152 Resp: 56214

Ion Ratio Lower Upper

152 100

150 153.9 123.8 185.6

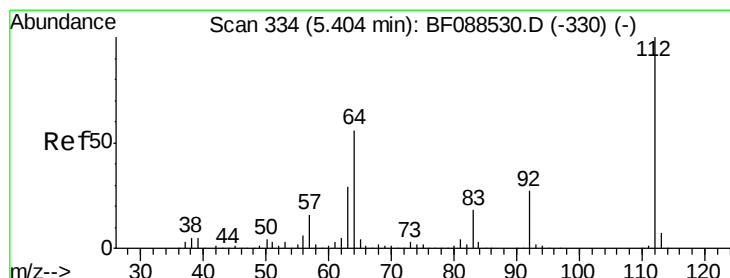
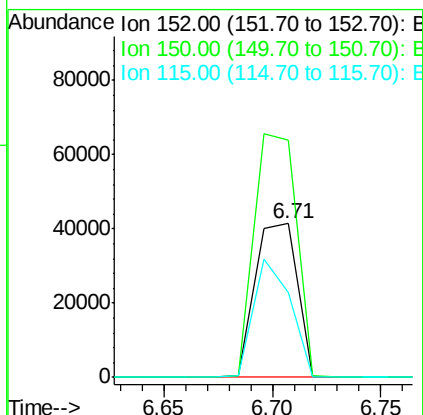
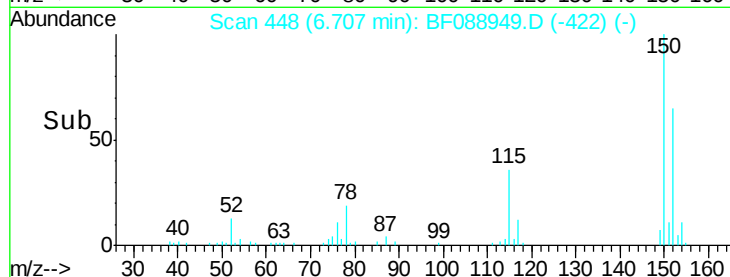
115 55.0 39.6 59.4



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: 110.65 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

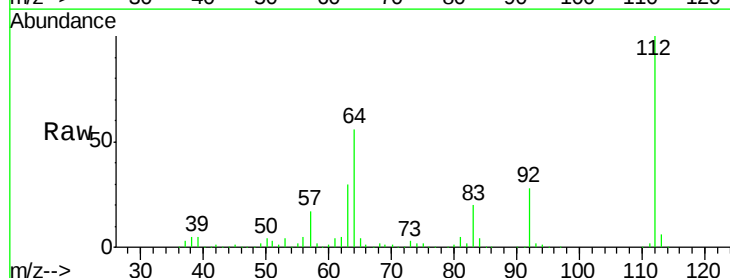
Tgt Ion:112 Resp: 415027

Ion Ratio Lower Upper

112 100

64 56.0 42.2 63.2

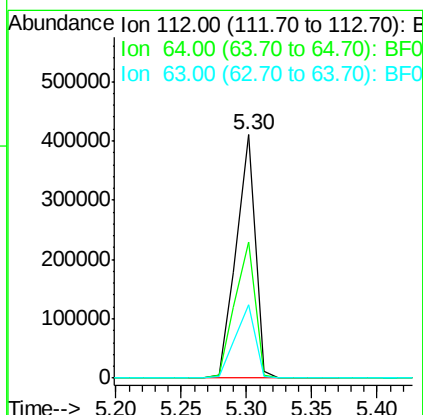
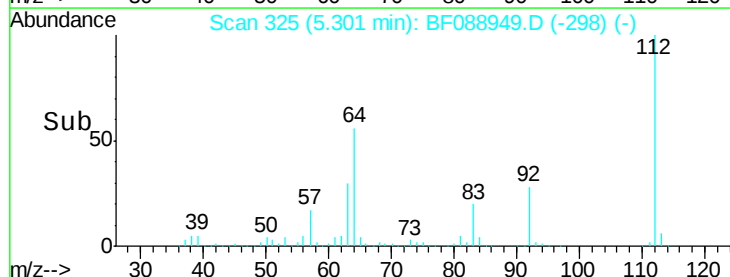
63 30.4 21.8 32.8



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: 108.02 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

Instrument :

BNA\_F

ClientSampleId :

WPG(15-20)SP-C

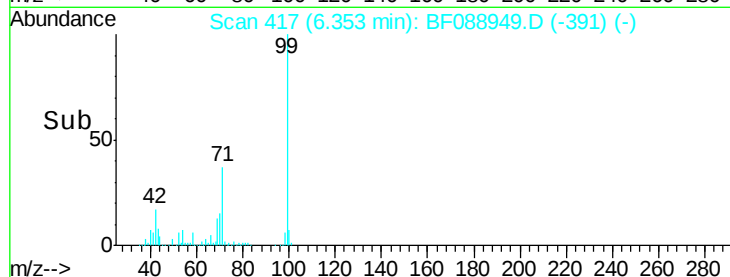
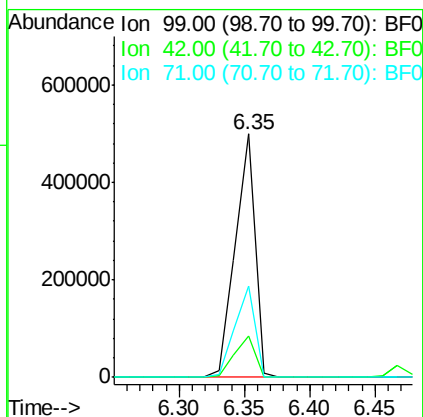
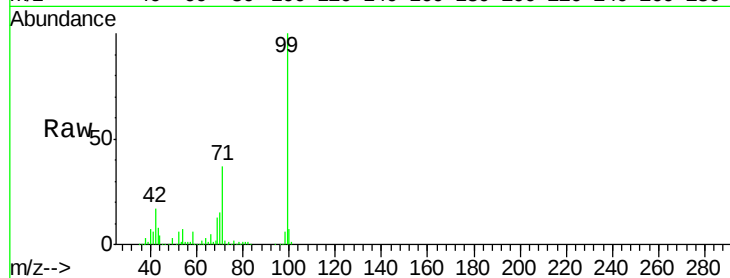
Tot Ion: 99 Resp: 523507

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

71 37.3 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

Tgt Ion: 136 Resp: 234848

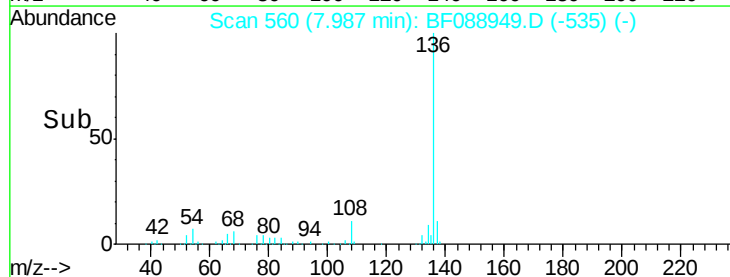
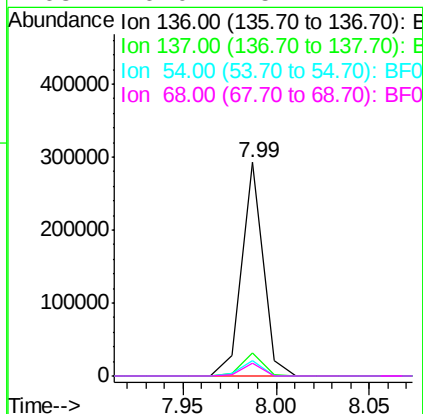
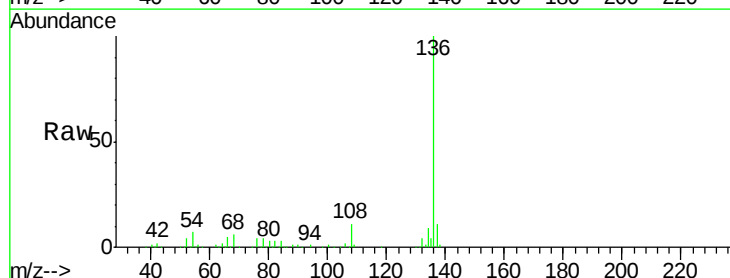
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.4 6.6 10.0

68 6.0 5.1 7.7

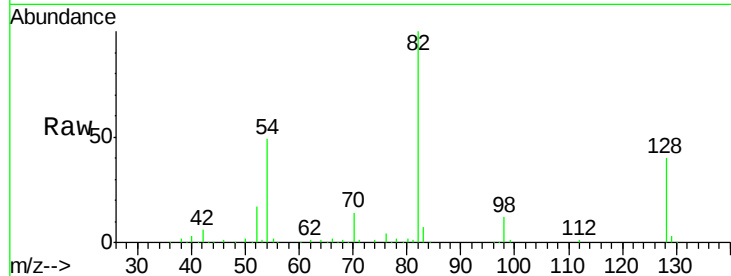




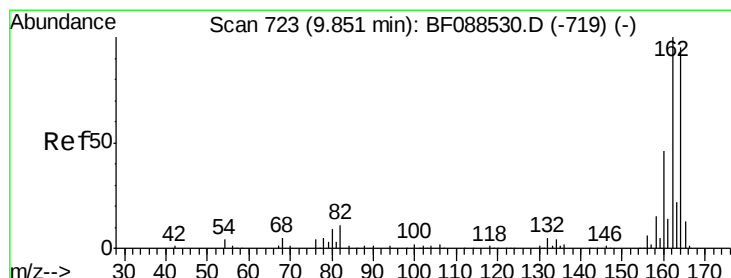
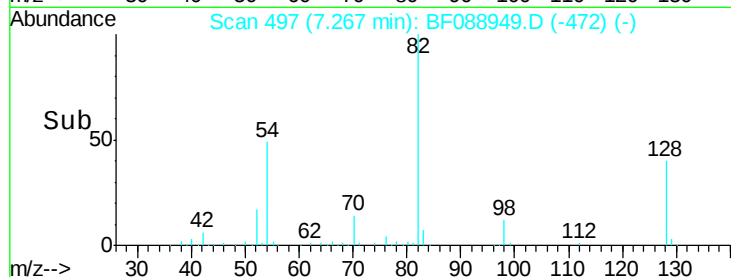
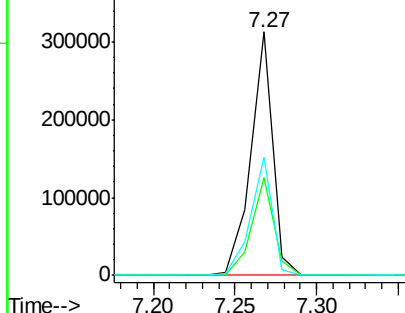
#23  
Nitrobenzene-d5  
Concen: 65.13 ng  
RT: 7.27 min Scan# 497  
Delta R.T. -0.01 min  
Lab File: BF088949.D  
Acq: 13 Jul 2016 7:18

Instrument :  
BNA\_F  
ClientSampleId :  
WPG(15-20)SP-C

| Tot Ion   | 82   | Resp  | 291889 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 40.0 | 35.9  | 53.9   |
| 54        | 48.6 | 40.9  | 61.3   |

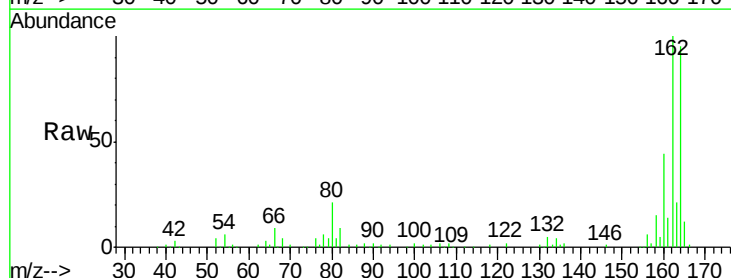


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

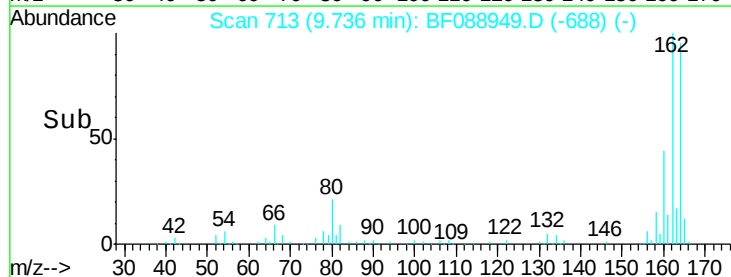
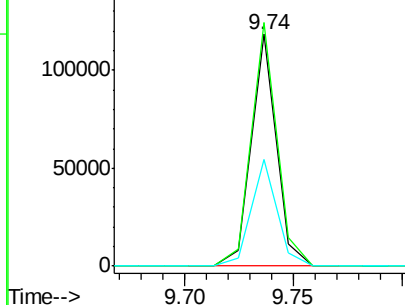


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.74 min Scan# 713  
Delta R.T. -0.01 min  
Lab File: BF088949.D  
Acq: 13 Jul 2016 7:18

| Tgt Ion   | 164   | Resp  | 94333 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 105.0 | 85.4  | 128.2 |
| 160       | 46.1  | 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

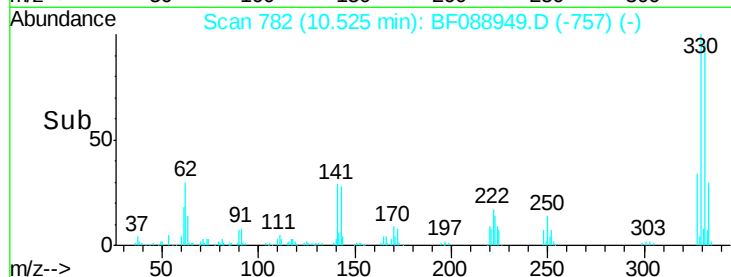
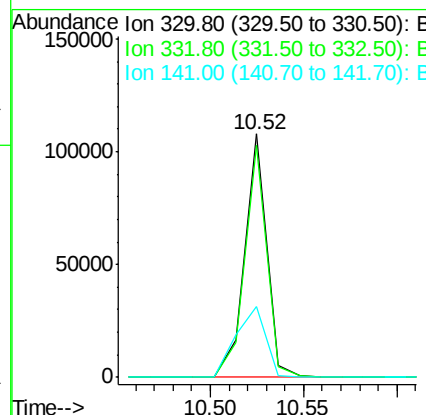
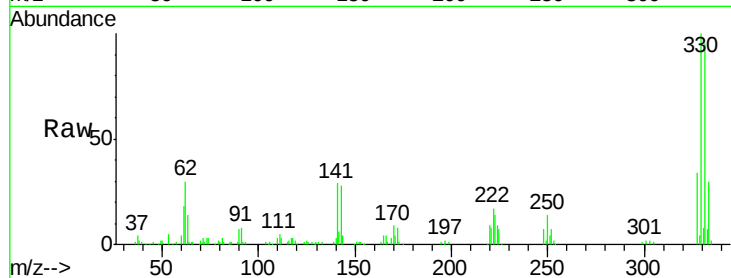




#41  
 2,4,6-Tribromophenol  
 Concen: 101.75 ng  
 RT: 10.52 min Scan# 782  
 Delta R.T. -0.01 min  
 Lab File: BF088949.D  
 Acq: 13 Jul 2016 7:18

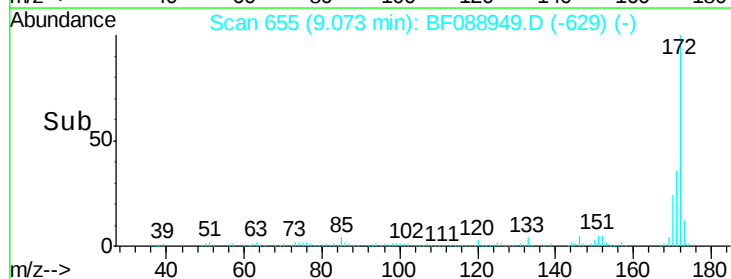
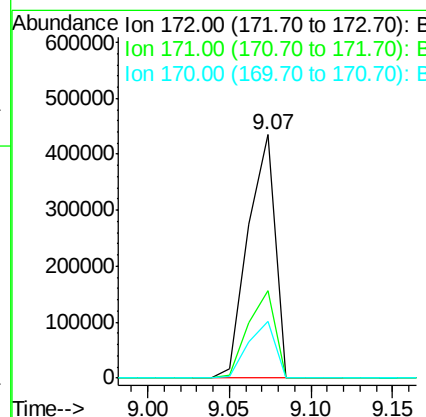
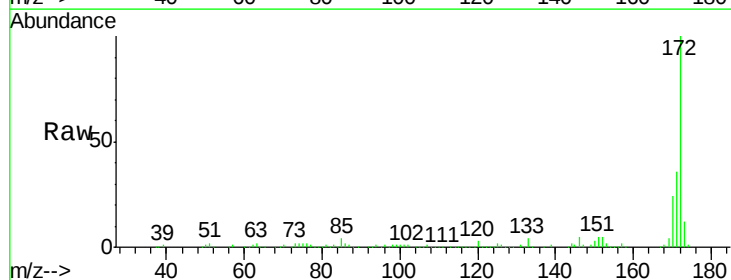
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WPG(15-20)SP-C

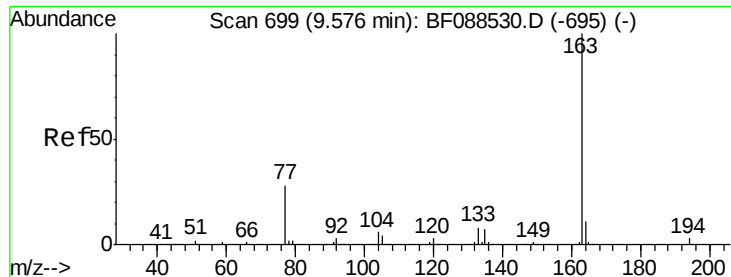
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 39.3  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 83.52 ng  
 RT: 9.07 min Scan# 655  
 Delta R.T. 0.00 min  
 Lab File: BF088949.D  
 Acq: 13 Jul 2016 7:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 28.6  | 43.0  |
| 170     | 23.5  | 19.2  | 28.8  |





#49

Dimethylphthalate

Concen: 9.56 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

Instrument :

BNA\_F

ClientSampleId :

WPG(15-20)SP-C

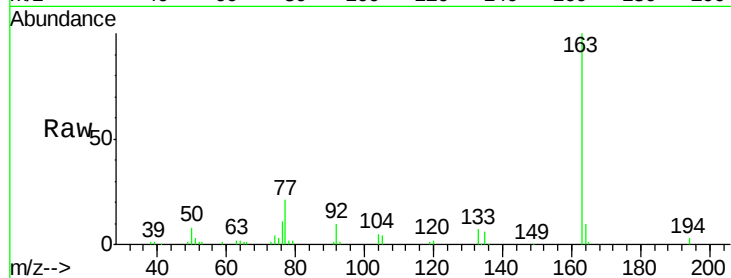
Tot Ion:163 Resp: 64282

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

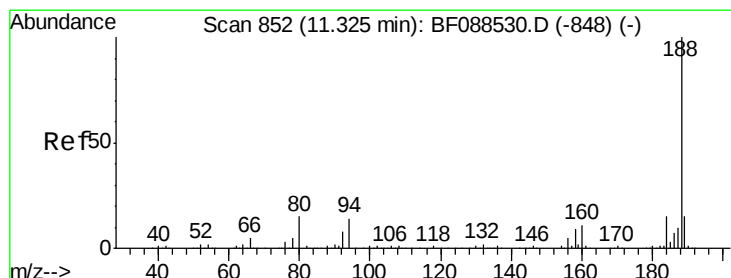
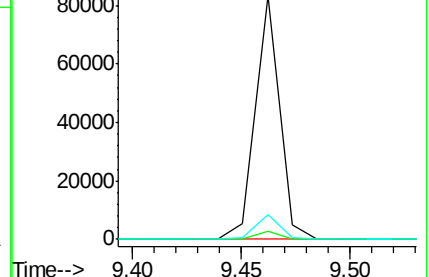
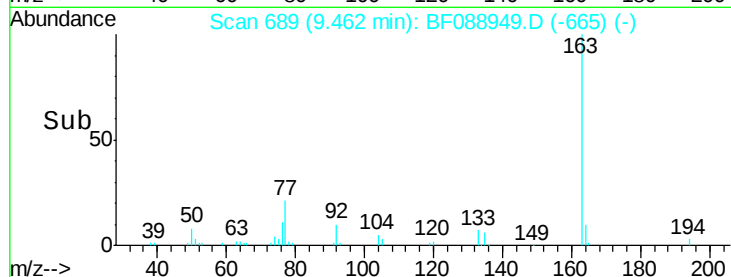
164 10.2 8.3 12.5



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: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

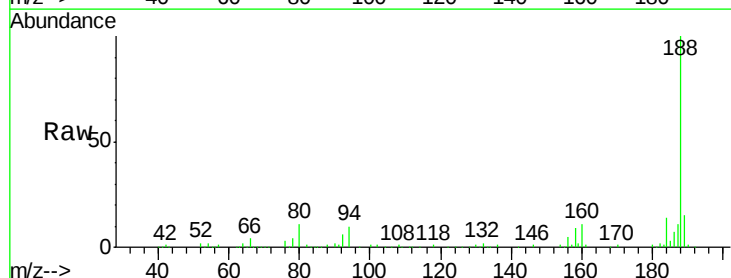
Tgt Ion:188 Resp: 143051

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

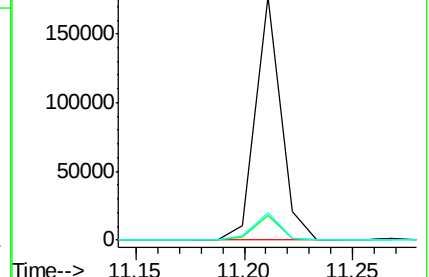
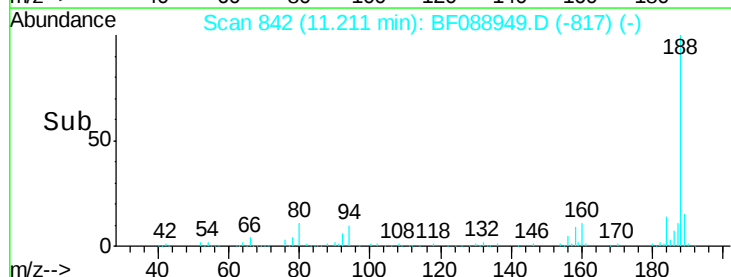
80 11.4 10.0 15.0

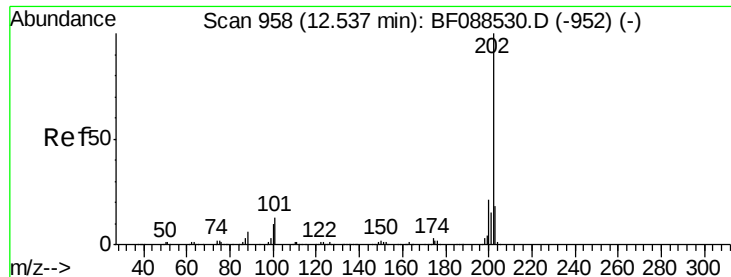


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.09 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

Instrument :

BNA\_F

ClientSampleId :

WPG(15-20)SP-C

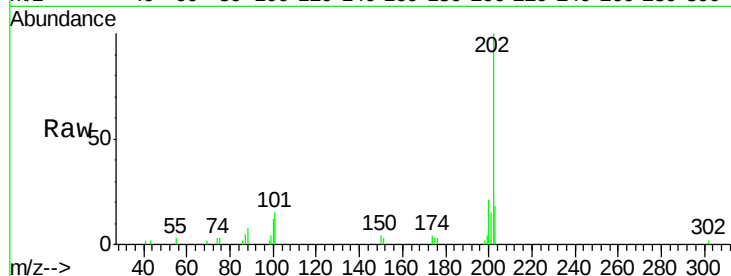
Tot Ion:202 Resp: 16557

Ion Ratio Lower Upper

202 100

101 15.4 0.0 33.1

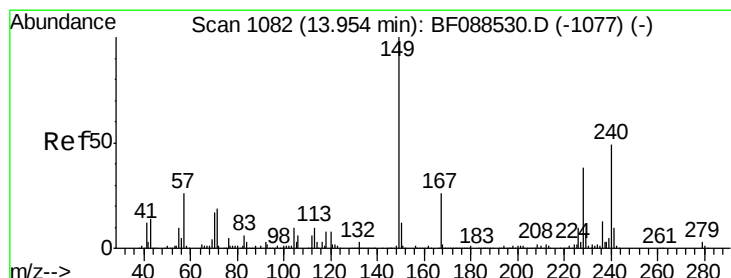
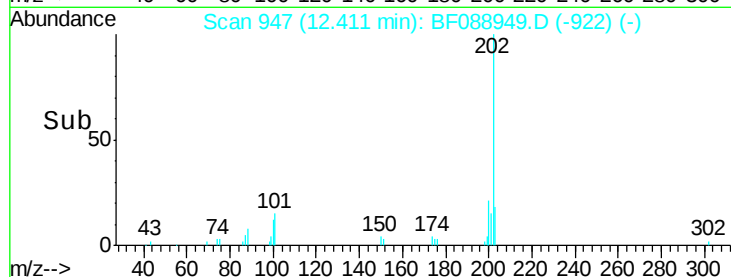
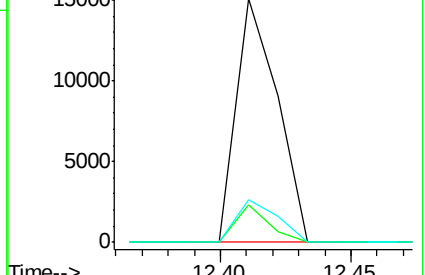
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088949.D

Acq: 13 Jul 2016 7:18

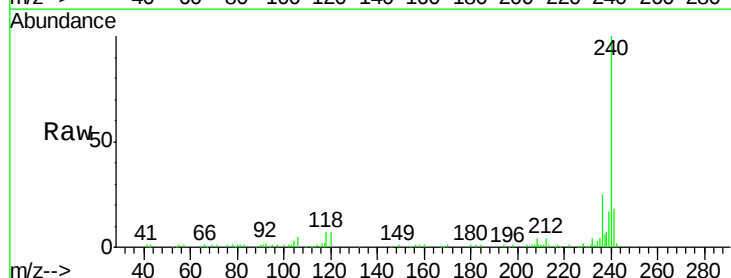
Tgt Ion:240 Resp: 123991

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

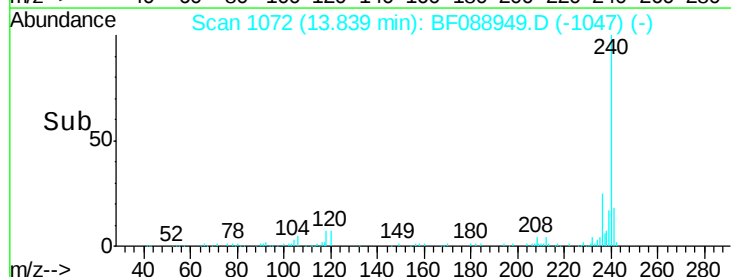
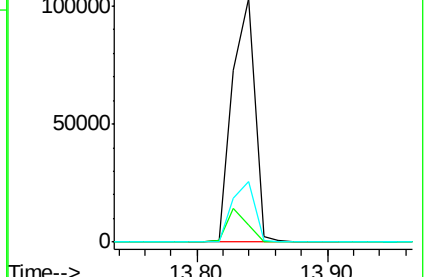
236 25.0 20.2 30.2

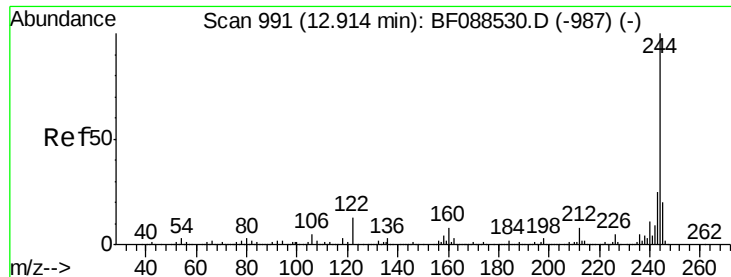


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

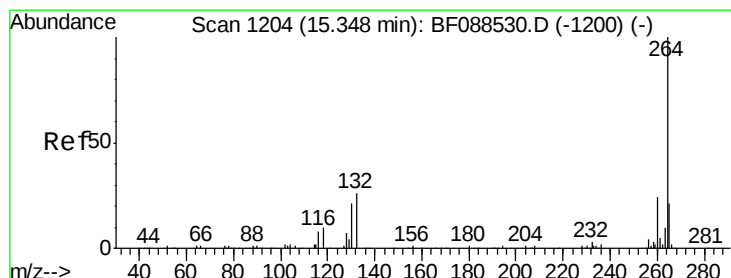
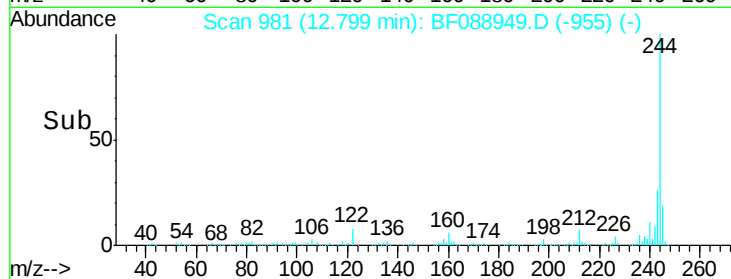
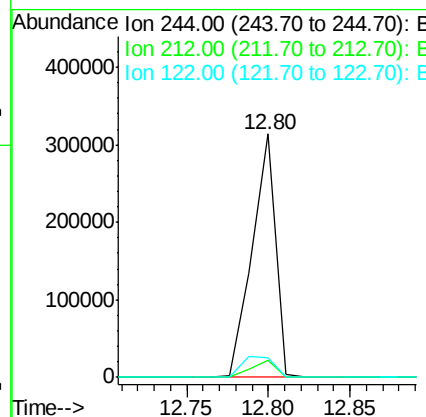
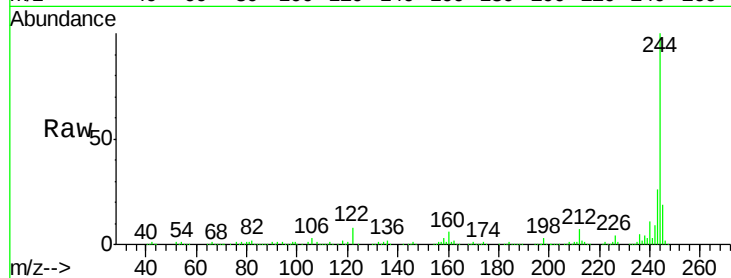




#78  
 Terphenyl-d14  
 Concen: 56.05 ng  
 RT: 12.80 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: BF088949.D  
 Acq: 13 Jul 2016 7:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WPG(15-20)SP-C

Tot Ion:244 Resp: 312029  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 7.8 11.2 16.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.21 min Scan# 1192  
 Delta R.T. 0.00 min  
 Lab File: BF088949.D  
 Acq: 13 Jul 2016 7:18

Tgt Ion:264 Resp: 105337  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 21.0 16.9 25.3

