

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
 Data File : BF088552.D  
 Acq On : 1 Jul 2016 2:17  
 Operator : UM/SJ  
 Sample : H3630-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1409-TP-DUP01-0616

Quant Time: Jul 01 05:50:08 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 01 01:58:49 2016  
 Response via : Initial Calibration

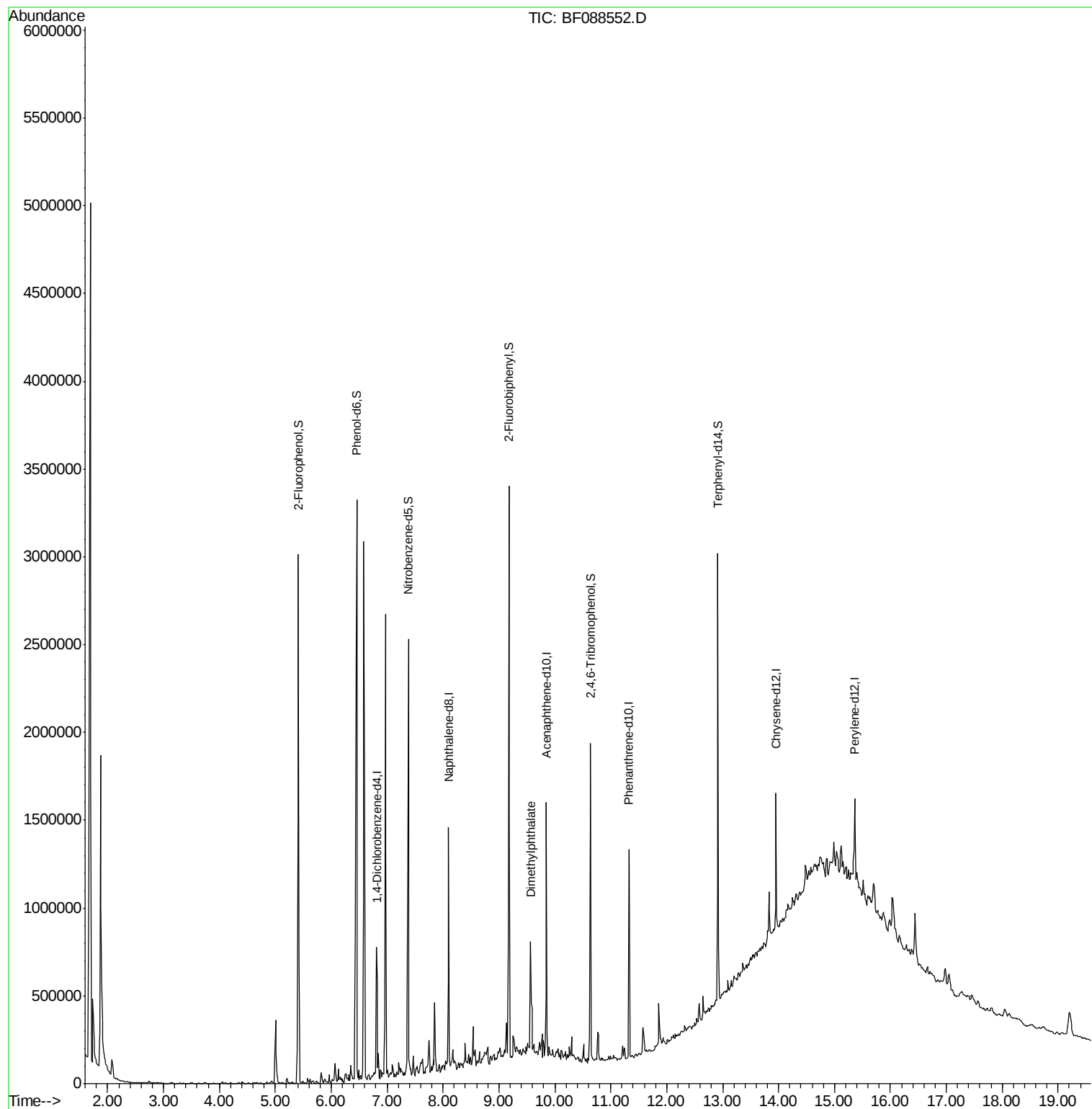
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 140055   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.10  | 136  | 593243   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.85  | 164  | 254269   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.32 | 188  | 393718   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 13.95 | 240  | 256943   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.36 | 264  | 261685   | 20.00  | ng    | 0.01           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1066745  | 114.15 | ng    | 0.01           |
| 7) Phenol-d6                | 6.46  | 99   | 1613253  | 133.60 | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 932981   | 82.42  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 284659   | 120.56 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1224663  | 76.08  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.91 | 244  | 774466   | 67.14  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.56  | 163  | 221355   | 12.22  | ng    | Qvalue<br># 99 |

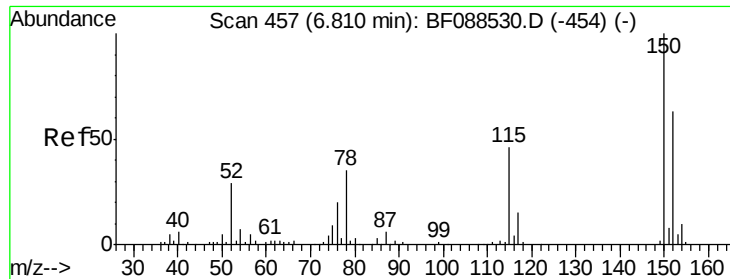
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
Data File : BF088552.D  
Acq On : 1 Jul 2016 2:17  
Operator : UM/SJ  
Sample : H3630-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B1409-TP-DUP01-0616

Quant Time: Jul 01 05:50:08 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 01 01:58:49 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

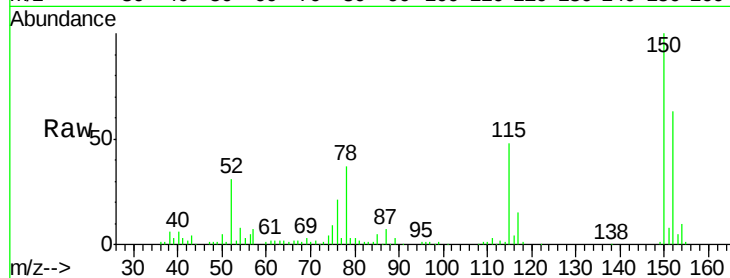
Tot Ion:152 Resp: 140055

Ion Ratio Lower Upper

152 100

150 158.2 123.8 185.6

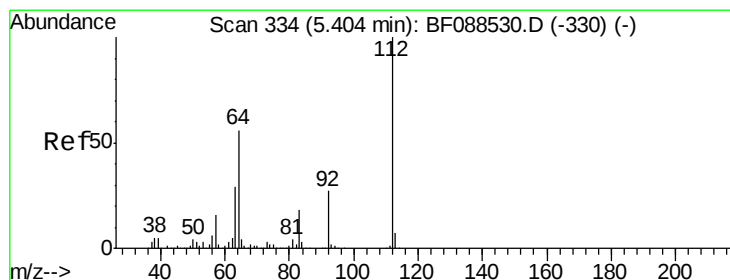
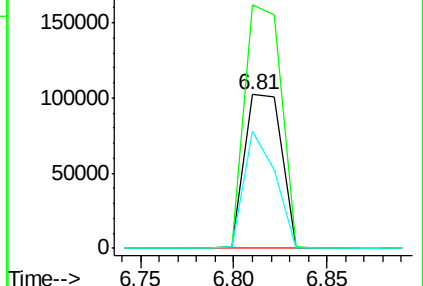
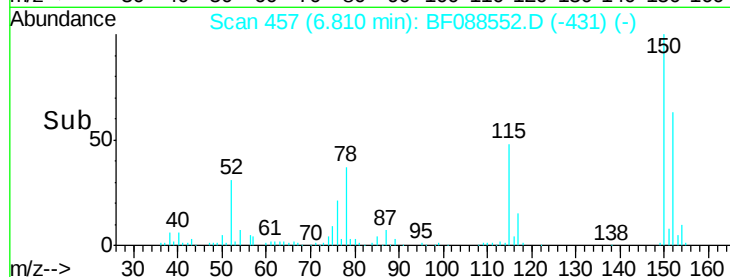
115 76.1 39.6 59.4#



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: 114.15 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

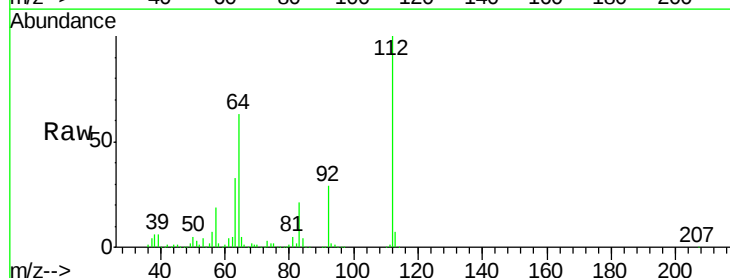
Tgt Ion:112 Resp: 1066745

Ion Ratio Lower Upper

112 100

64 63.3 42.2 63.2#

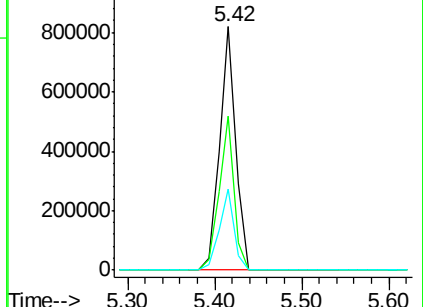
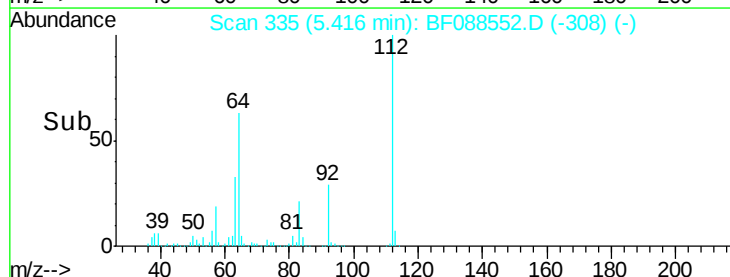
63 33.4 21.8 32.8#



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: 133.60 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

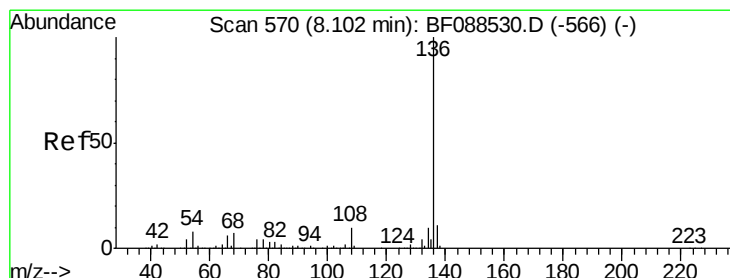
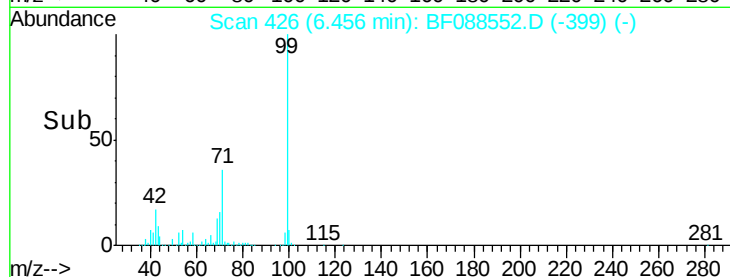
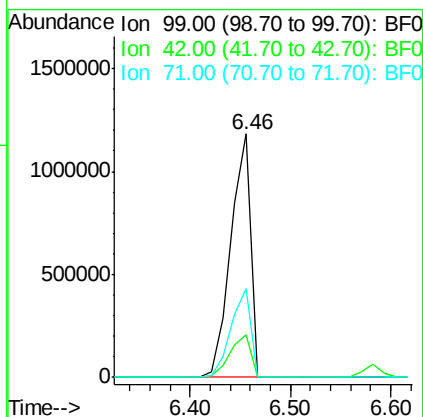
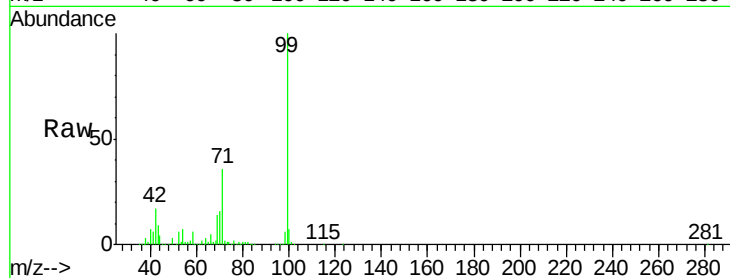
BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

Tot Ion: 99 Resp: 1613253

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 12.2  | 18.2  |
| 71  | 36.3  | 23.4  | 35.0# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

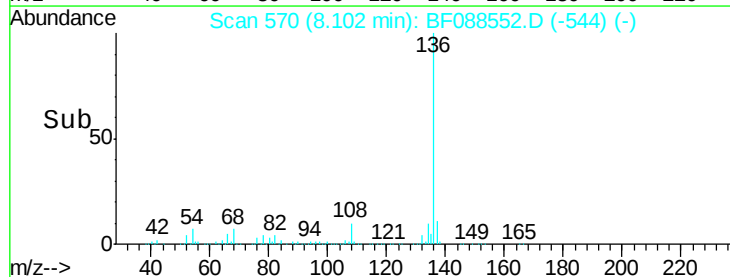
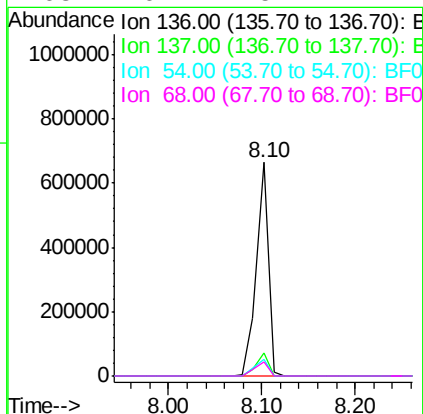
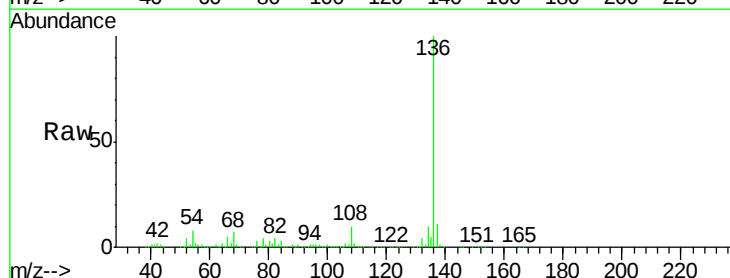
Delta R.T. 0.00 min

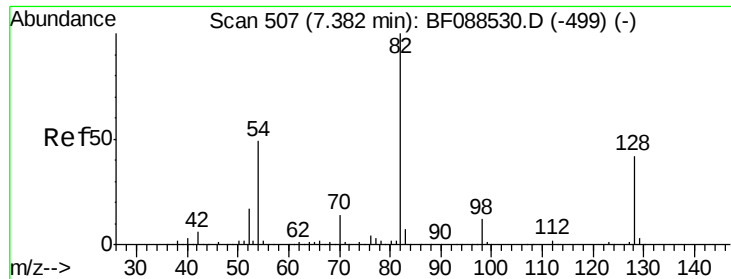
Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Tgt Ion: 136 Resp: 593243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 9.1   | 13.7  |
| 54  | 7.5   | 6.6   | 10.0  |
| 68  | 6.7   | 5.1   | 7.7   |

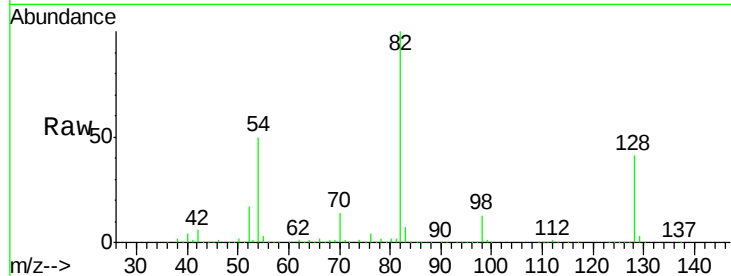




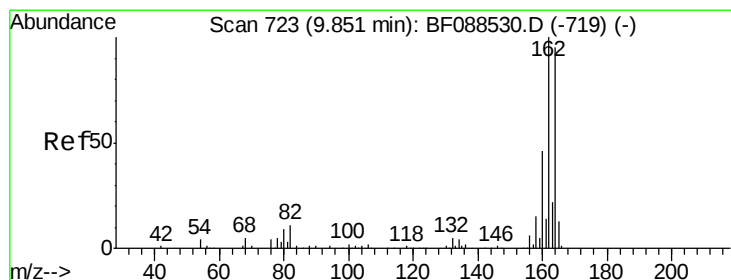
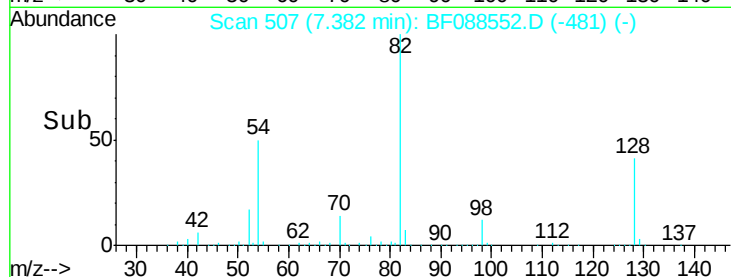
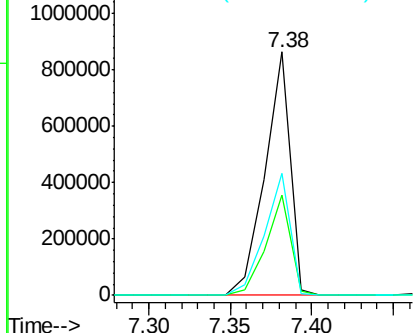
#23  
 Nitrobenzene-d5  
 Concen: 82.42 ng  
 RT: 7.38 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1409-TP-DUP01-0616

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.3  | 35.9  | 53.9  |
| 54      | 50.0  | 40.9  | 61.3  |

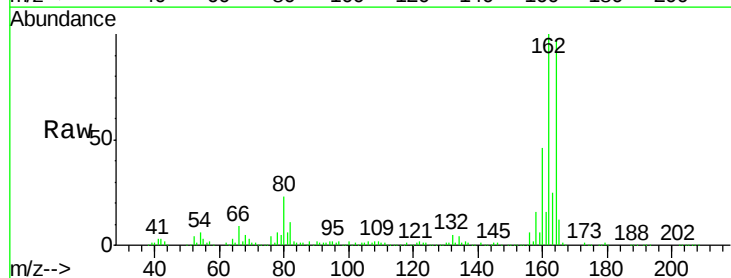


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

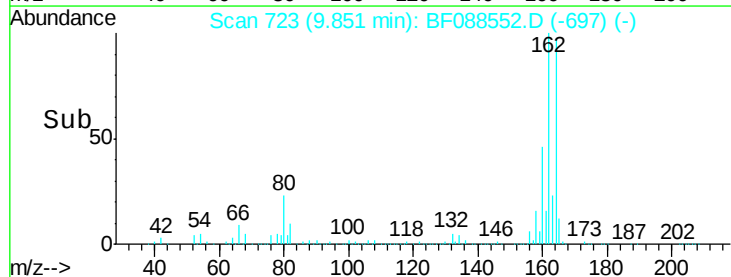
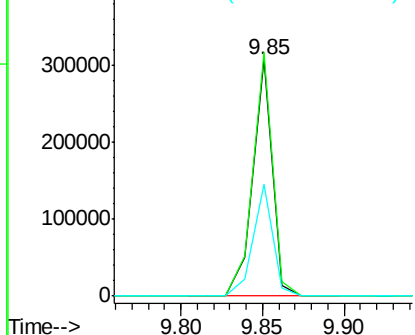


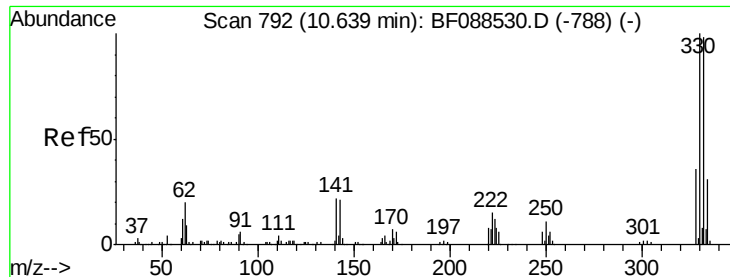
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.8 | 85.4  | 128.2 |
| 160     | 47.0  | 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

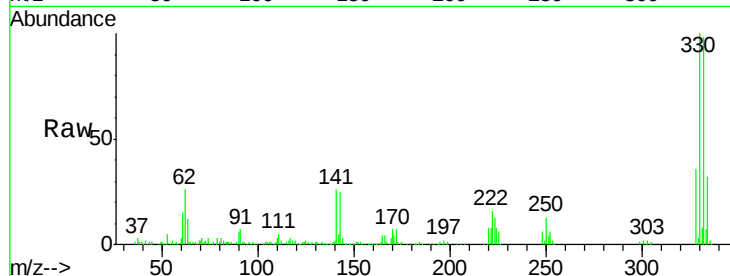




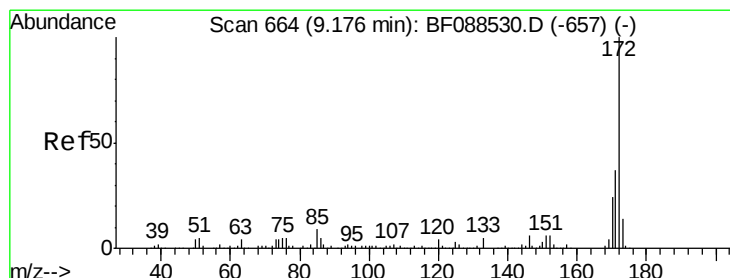
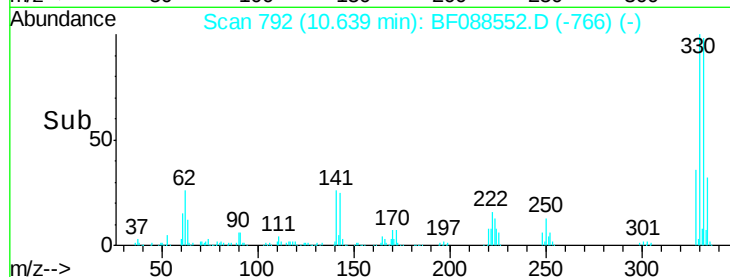
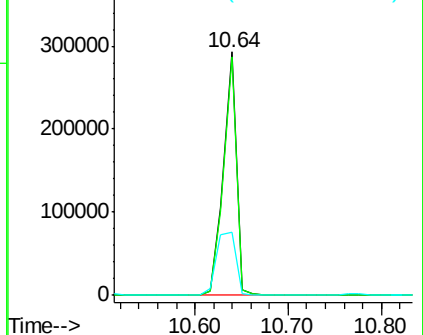
#41  
 2,4,6-Tribromophenol  
 Concen: 120.56 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1409-TP-DUP01-0616

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 0.0   | 0.0#  |
| 141     | 37.8  | 0.0   | 0.0#  |

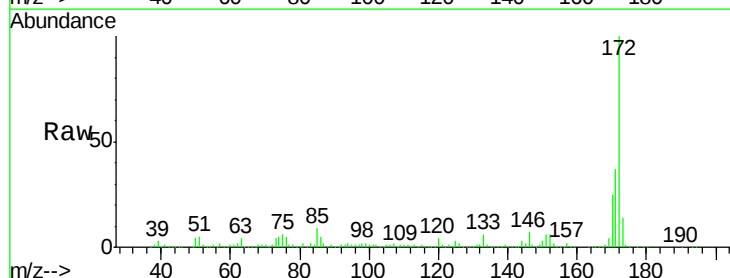


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

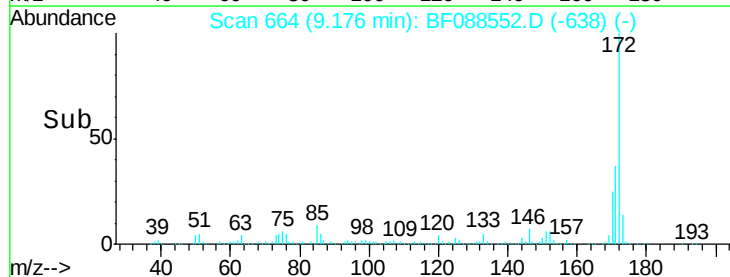
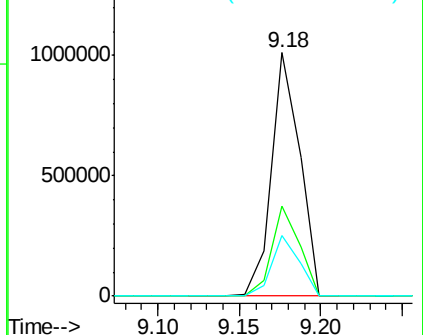


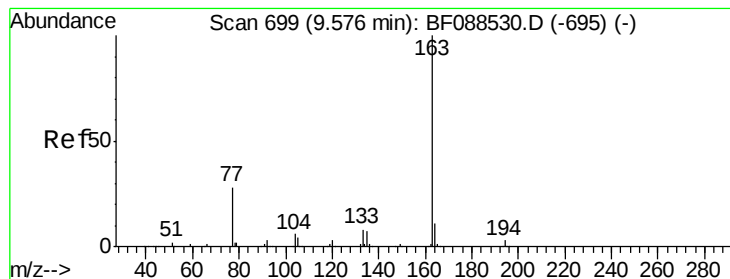
#44  
 2-Fluorobiphenyl  
 Concen: 76.08 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. 0.00 min  
 Lab File: BF088552.D  
 Acq: 1 Jul 2016 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.6  | 43.0  |
| 170     | 24.6  | 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: 12.22 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

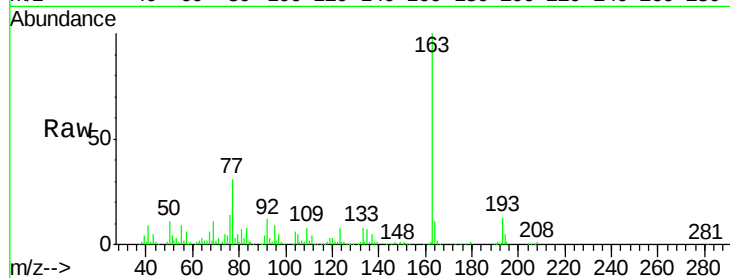
Tot Ion:163 Resp: 221355

Ion Ratio Lower Upper

163 100

194 4.7 2.8 4.2#

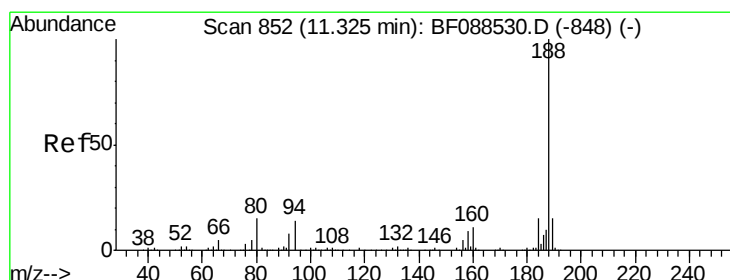
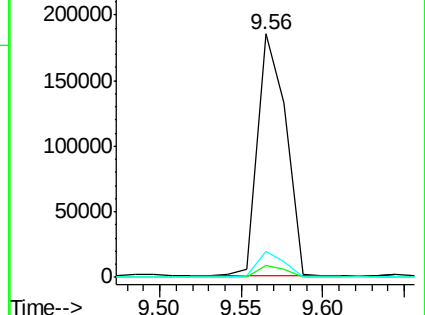
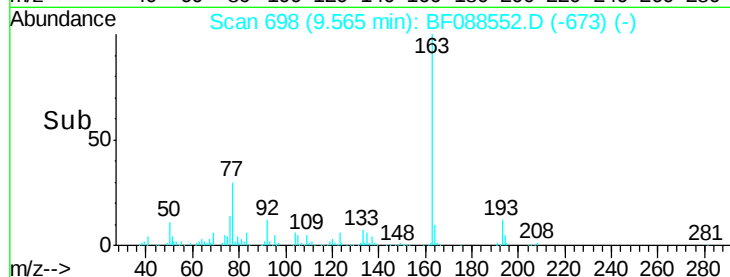
164 10.6 8.3 12.5



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: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

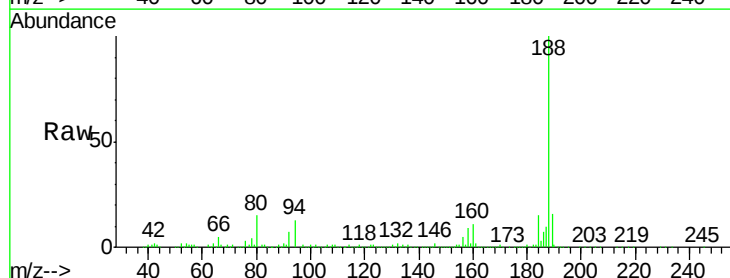
Tgt Ion:188 Resp: 393718

Ion Ratio Lower Upper

188 100

94 12.8 9.0 13.6

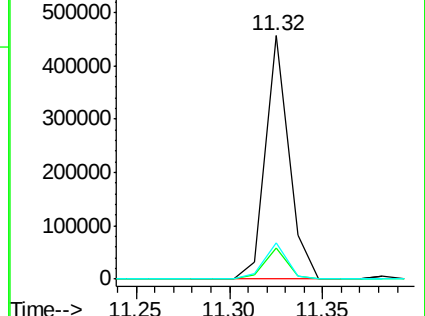
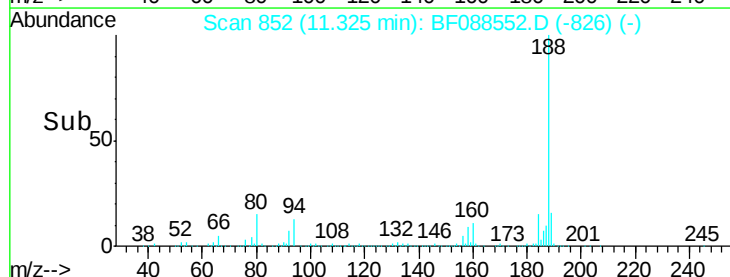
80 14.8 10.0 15.0

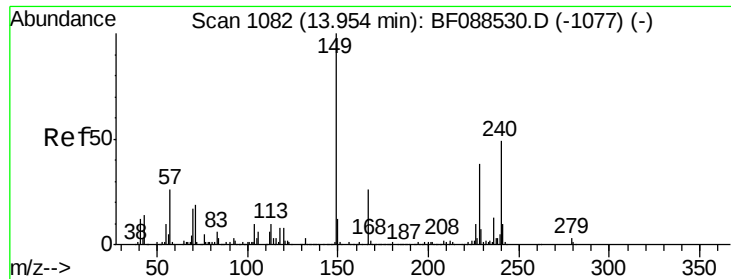


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

Instrument :

BNA\_F

ClientSampleId :

B1409-TP-DUP01-0616

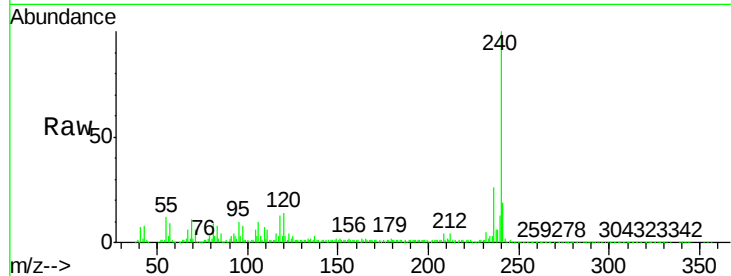
Tot Ion:240 Resp: 256943

Ion Ratio Lower Upper

240 100

120 14.2 6.8 10.2#

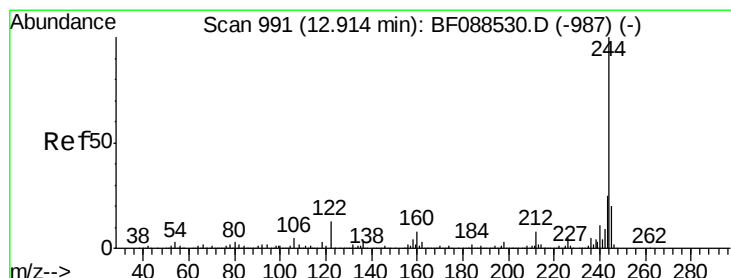
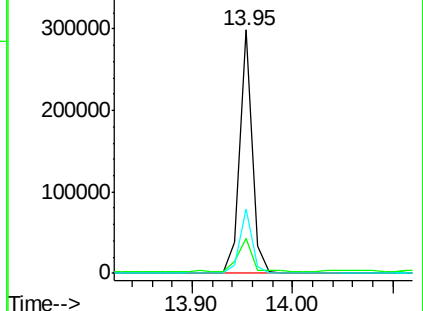
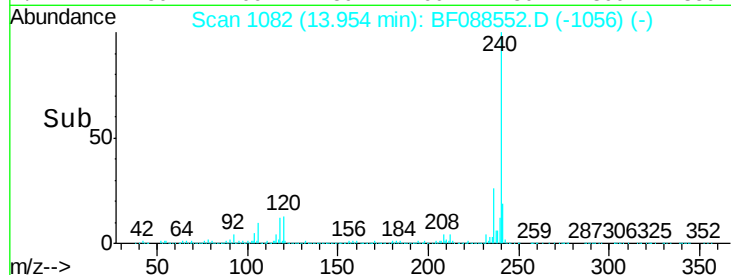
236 26.3 20.2 30.2



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: 67.14 ng

RT: 12.91 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF088552.D

Acq: 1 Jul 2016 2:17

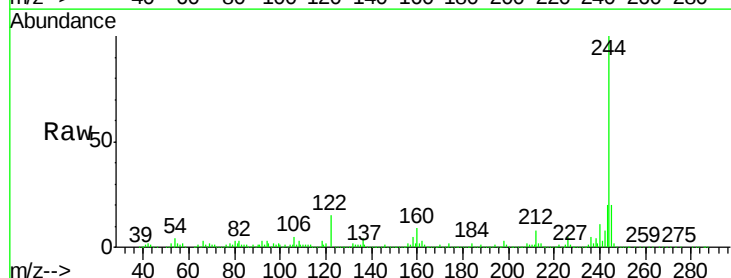
Tgt Ion:244 Resp: 774466

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

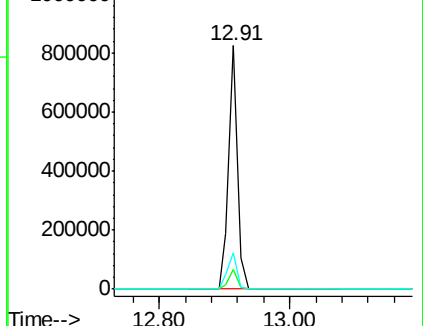
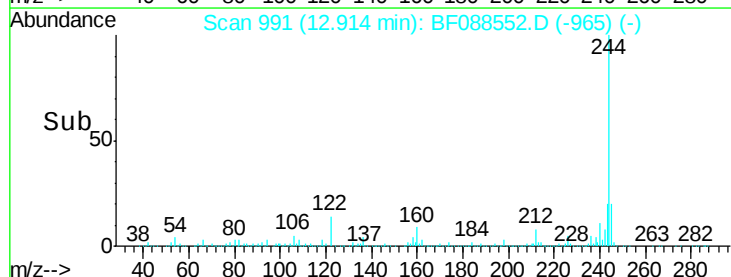
122 14.6 11.2 16.8

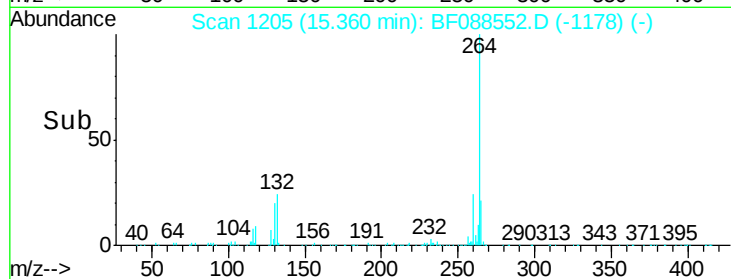
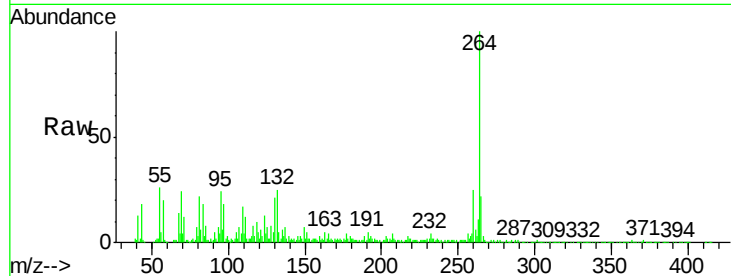
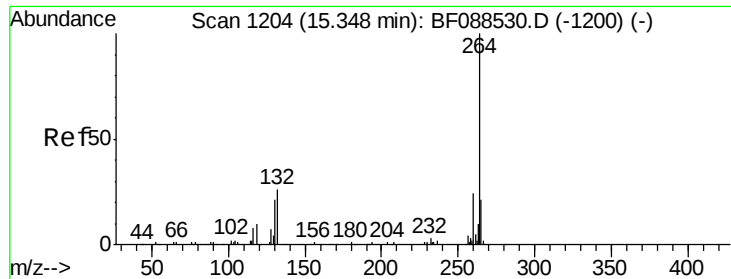


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1205  
Delta R.T. 0.01 min  
Lab File: BF088552.D  
Acq: 1 Jul 2016 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
B1409-TP-DUP01-0616

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.2  | 28.8  |
| 265     | 21.8  | 16.9  | 25.3  |

