

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
 Data File : BF088560.D  
 Acq On : 1 Jul 2016 6:09  
 Operator : UM/SJ  
 Sample : H3747-06  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C9-B2(0-6)C

Quant Time: Jul 01 06:52:04 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

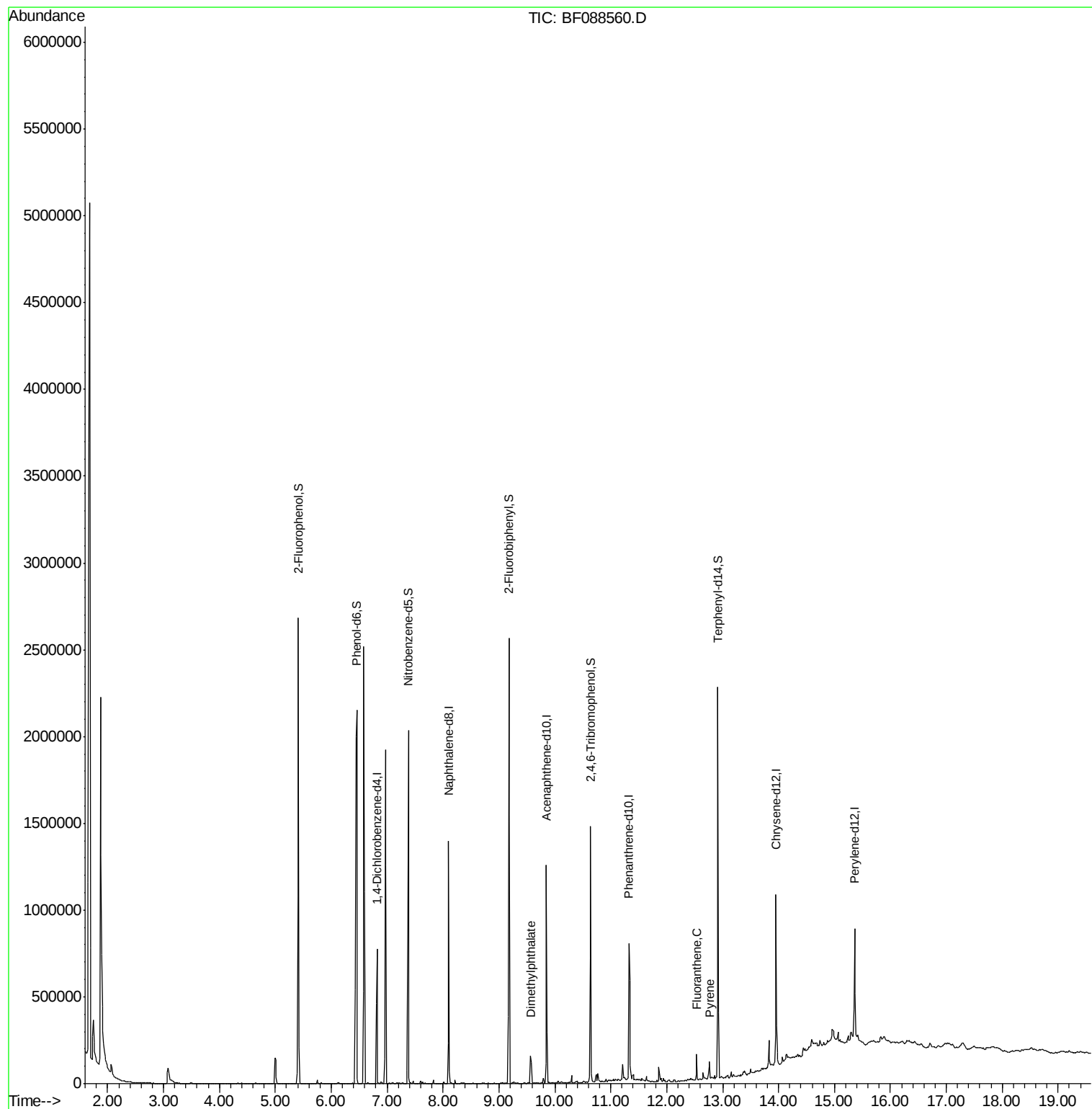
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 139381   | 20.00  | ng    | 0.01     |
| 21) Naphthalene-d8          | 8.10  | 136  | 558072   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 230258   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 371640   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 275272   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.36 | 264  | 272557   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 777091   | 83.56  | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 1205570  | 100.32 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 722127   | 67.81  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 174732   | 81.72  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1053131  | 72.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.91 | 244  | 648115   | 52.44  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.58  | 163  | 86798    | 5.29   | ng    | 98       |
| 74) Fluoranthene            | 12.54 | 202  | 54322    | 2.64   | ng    | 98       |
| 77) Pyrene                  | 12.77 | 202  | 47055    | 2.02   | ng    | 98       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA\_F

ClientSampleId :

C9-B2(0-6)C

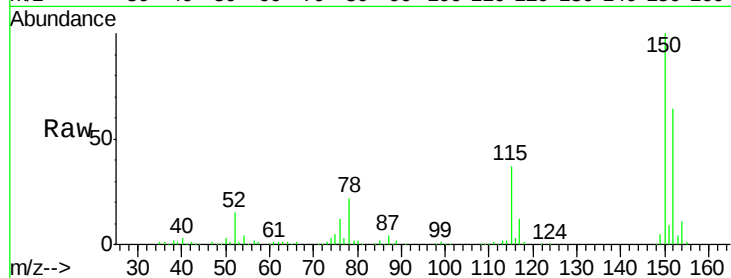
Tot Ion:152 Resp: 139381

Ion Ratio Lower Upper

152 100

150 155.3 123.8 185.6

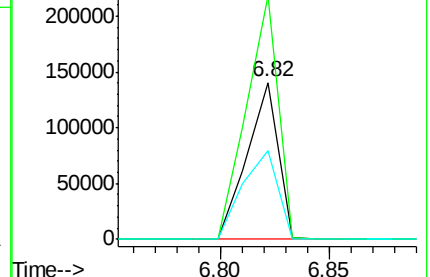
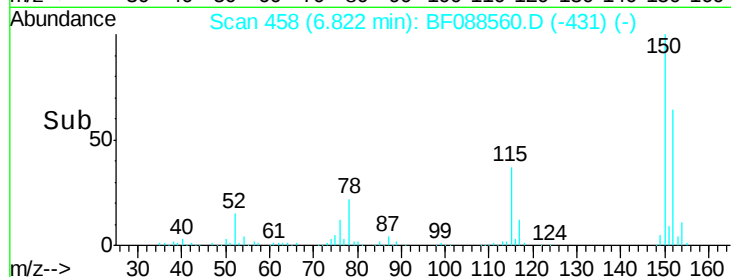
115 56.8 39.6 59.4



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: 83.56 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

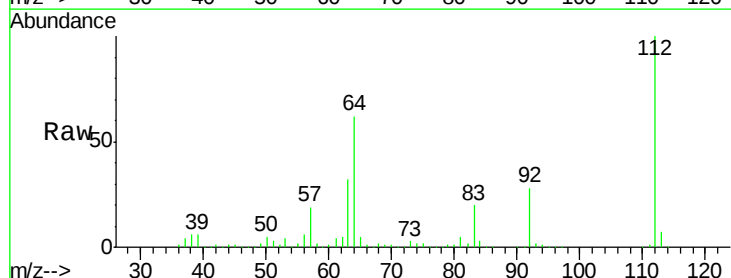
Tgt Ion:112 Resp: 777091

Ion Ratio Lower Upper

112 100

64 61.5 42.2 63.2

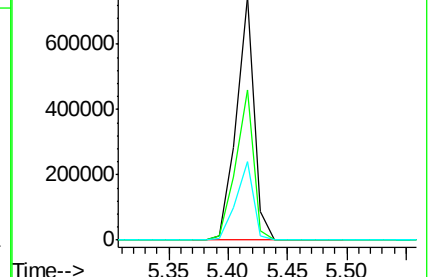
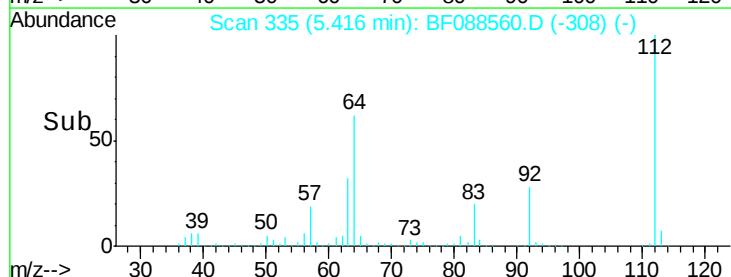
63 32.1 21.8 32.8



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: 100.32 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA\_F

ClientSampled :

C9-B2(0-6)C

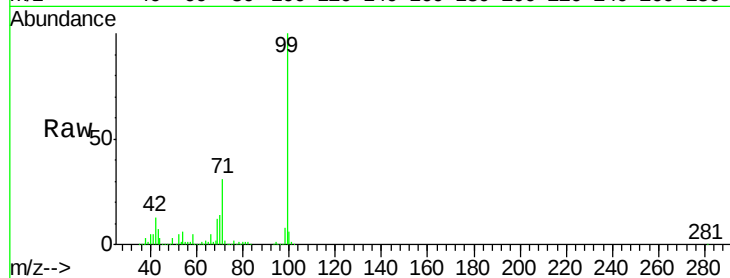
Tot Ion: 99 Resp: 1205570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.3  | 12.2  | 18.2  |
| 71  | 30.6  | 23.4  | 35.0  |

99 100

42 13.3 12.2 18.2

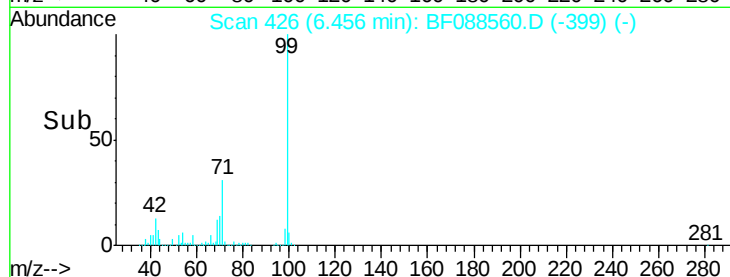
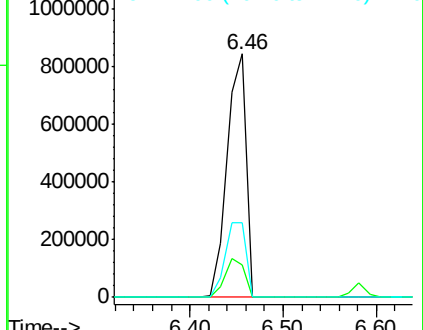
71 30.6 23.4 35.0



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: 8.10 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Tgt Ion: 136 Resp: 558072

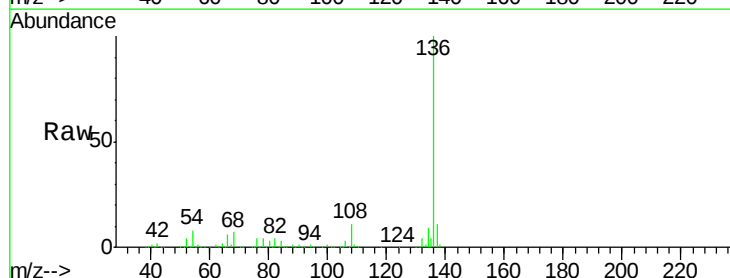
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.1   | 13.7  |
| 54  | 8.3   | 6.6   | 10.0  |
| 68  | 7.2   | 5.1   | 7.7   |

136 100

137 11.4 9.1 13.7

54 8.3 6.6 10.0

68 7.2 5.1 7.7

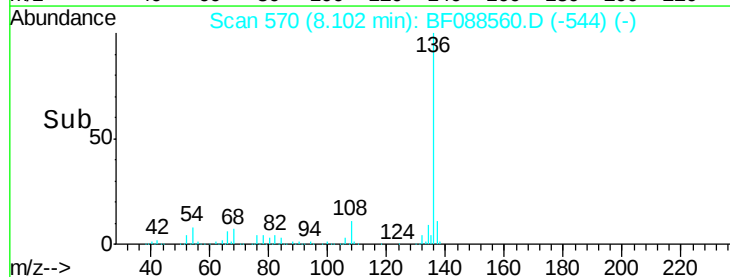
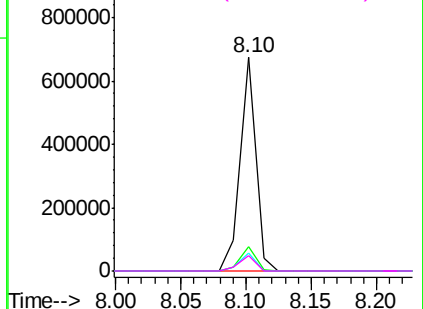


Abundance Ion 136.00 (135.70 to 136.70): E

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

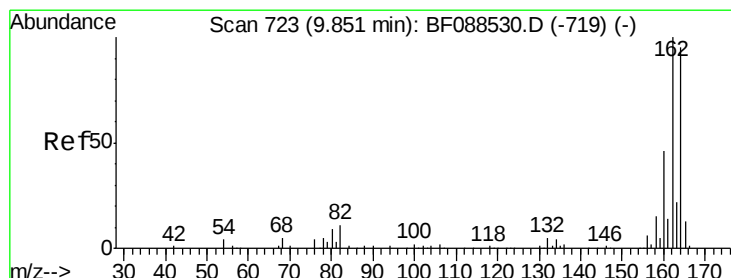
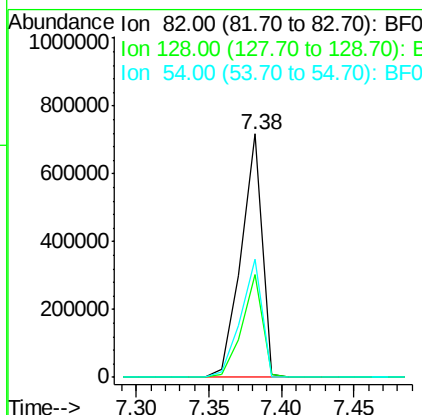
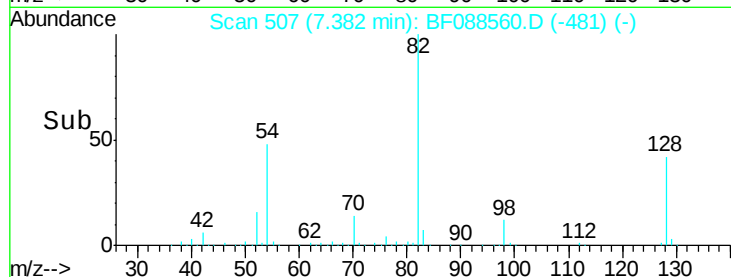
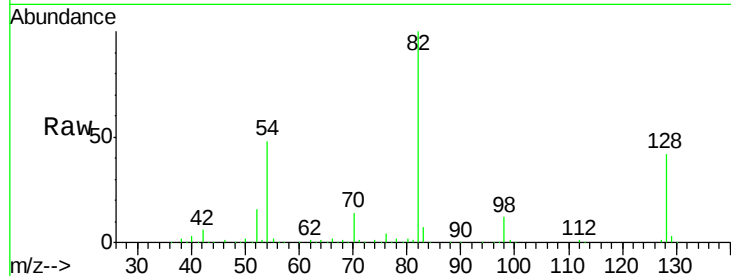




#23  
 Nitrobenzene-d5  
 Concen: 67.81 ng  
 RT: 7.38 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

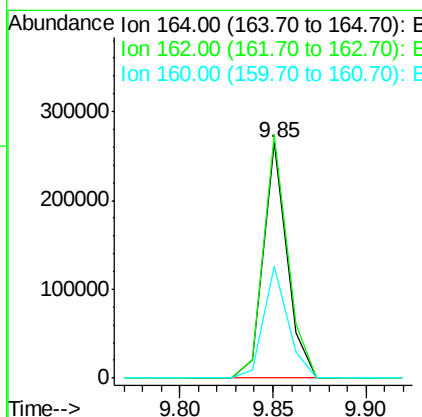
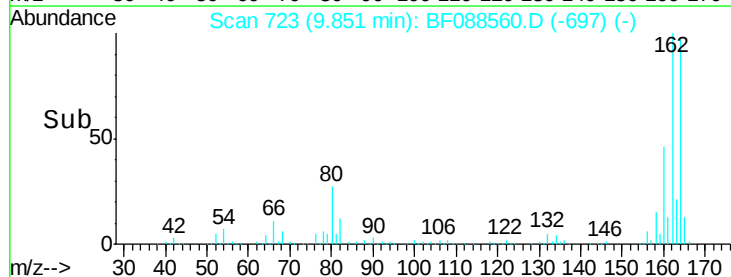
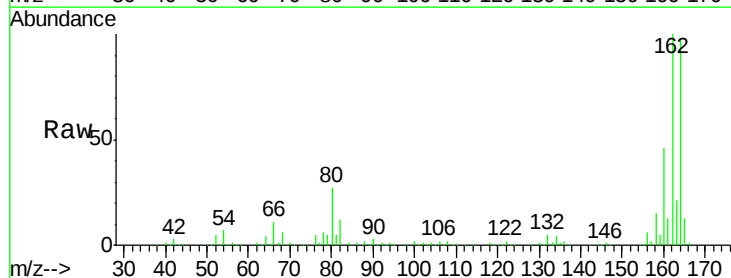
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C9-B2(0-6)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.0  | 35.9  | 53.9  |
| 54      | 48.4  | 40.9  | 61.3  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.4 | 85.4  | 128.2 |
| 160     | 47.6  | 39.5  | 59.3  |

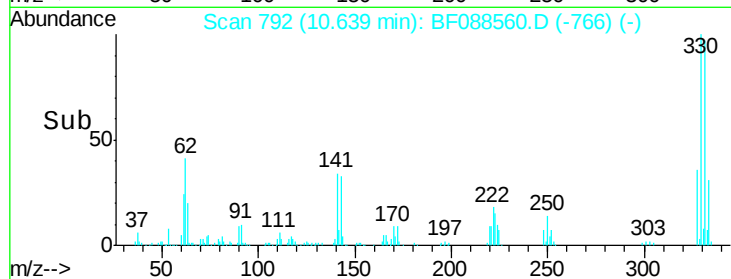
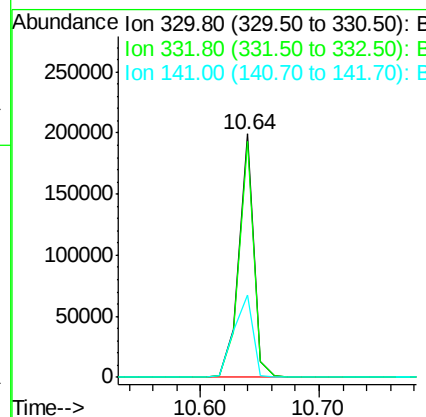
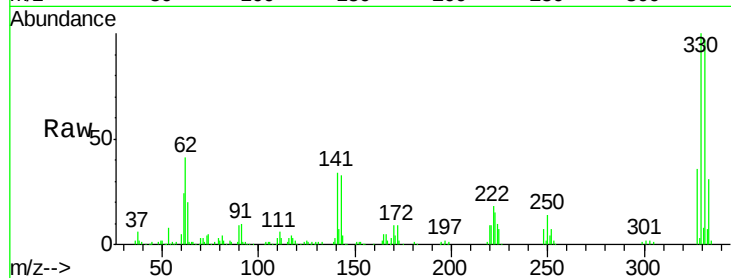




#41  
 2,4,6-Tribromophenol  
 Concen: 81.72 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

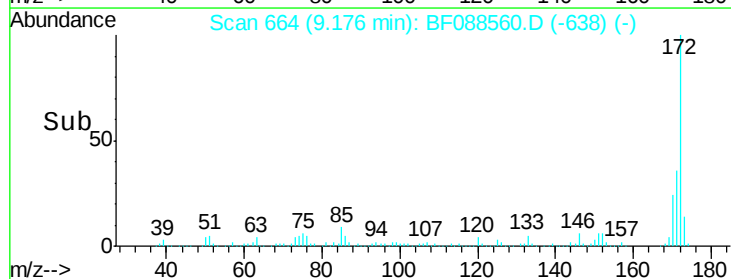
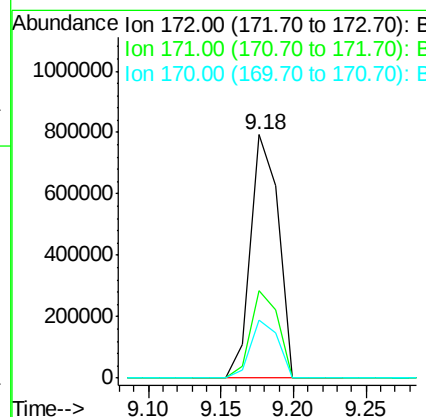
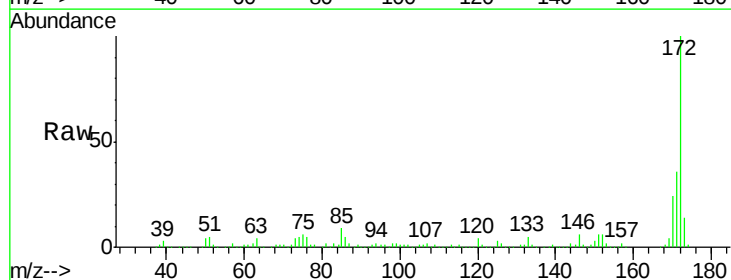
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C9-B2(0-6)C

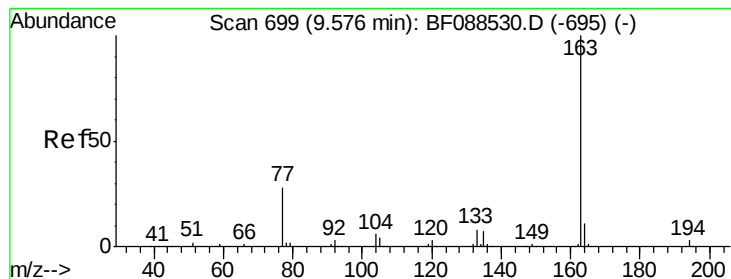
Tot Ion:330 Resp: 174732  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 0.0 0.0#  
 141 42.9 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 72.25 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

Tgt Ion:172 Resp: 1053131  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 43.0  
 170 24.0 19.2 28.8





#49

Dimethylphthalate

Concen: 5.29 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA\_F

ClientSampleId :

C9-B2(0-6)C

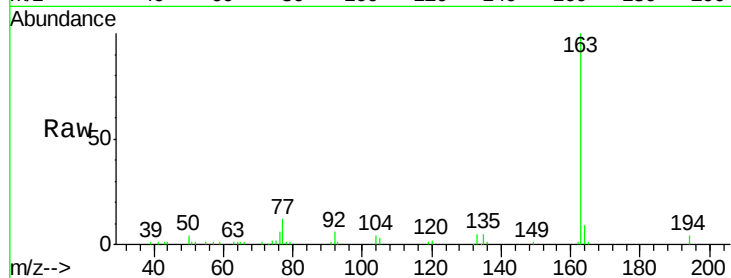
Tot Ion:163 Resp: 86798

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

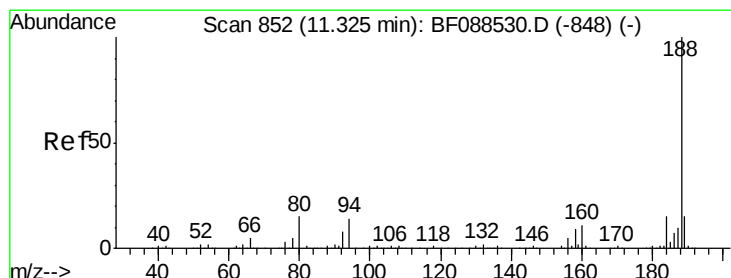
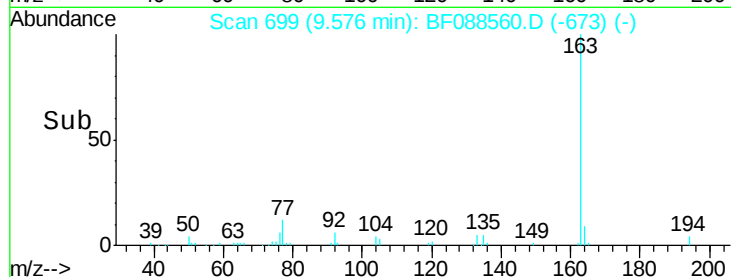
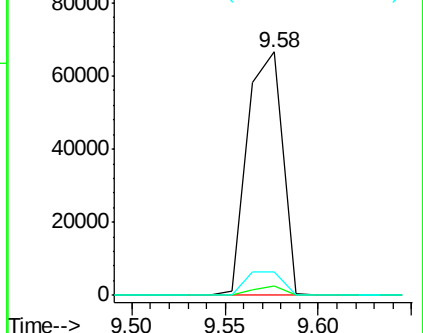
164 9.4 8.3 12.5



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: BF088560.D

Acq: 1 Jul 2016 6:09

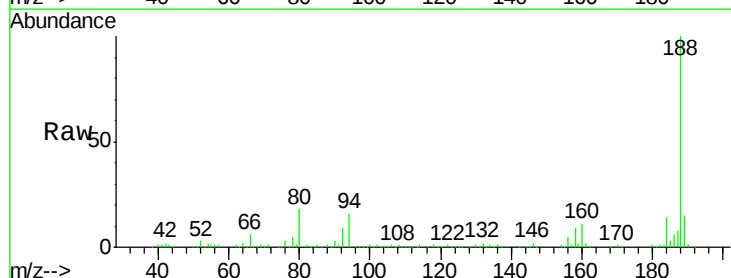
Tgt Ion:188 Resp: 371640

Ion Ratio Lower Upper

188 100

94 15.5 9.0 13.6#

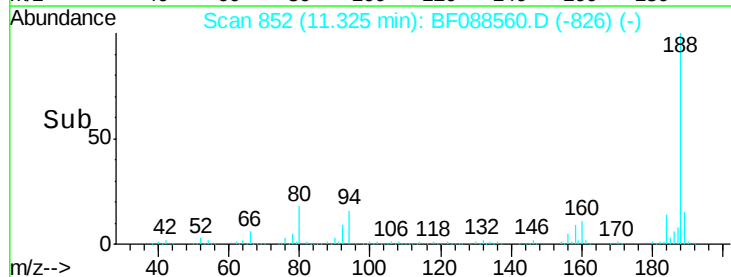
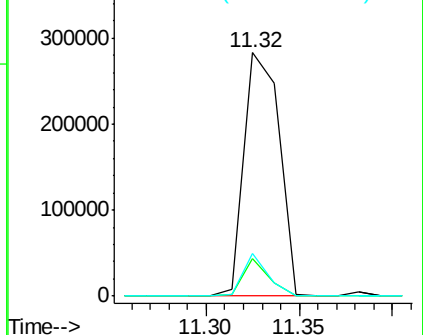
80 17.7 10.0 15.0#

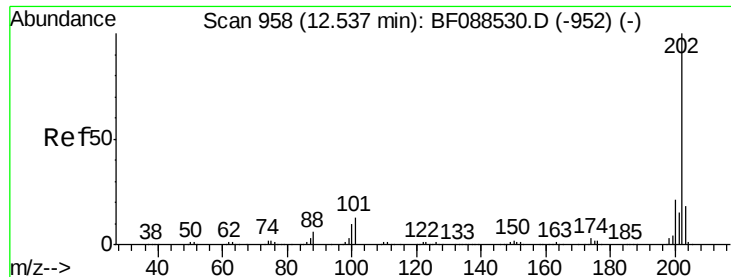


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

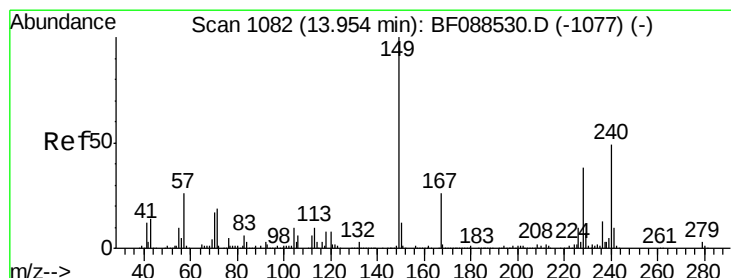
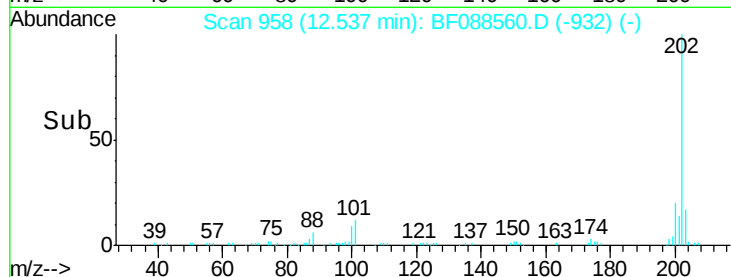
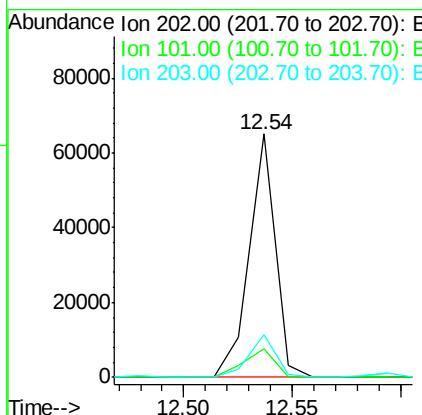
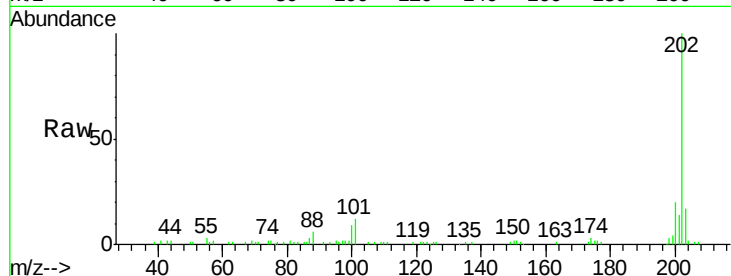




#74  
 Fluoranthene  
 Concen: 2.64 ng  
 RT: 12.54 min Scan# 958  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

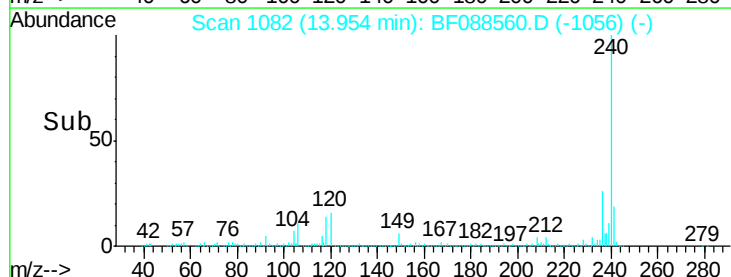
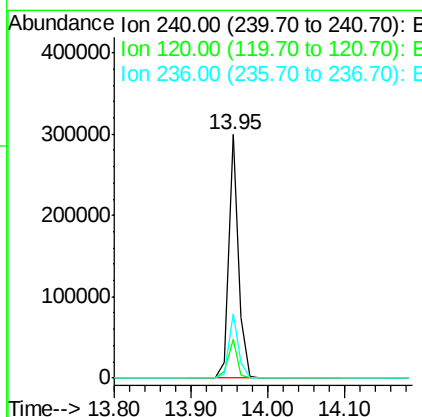
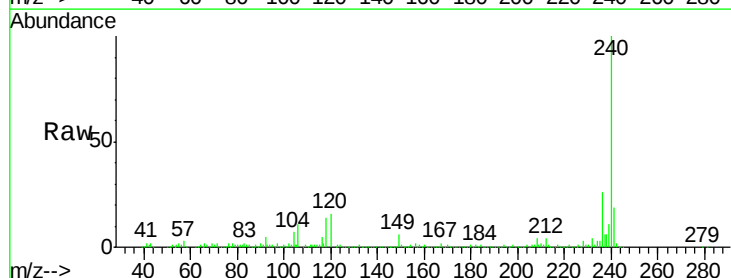
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C9-B2(0-6)C

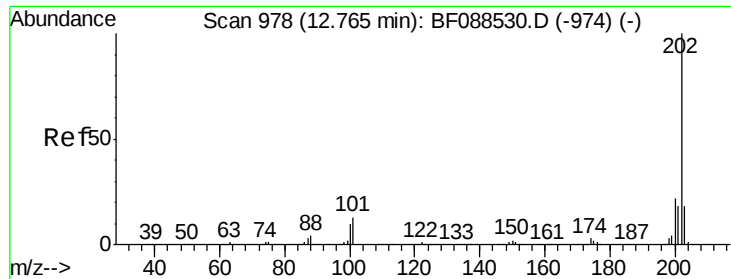
Tot Ion:202 Resp: 54322  
 Ion Ratio Lower Upper  
 202 100  
 101 11.8 0.0 33.1  
 203 17.5 0.0 38.1



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.95 min Scan# 1082  
 Delta R.T. 0.00 min  
 Lab File: BF088560.D  
 Acq: 1 Jul 2016 6:09

Tgt Ion:240 Resp: 275272  
 Ion Ratio Lower Upper  
 240 100  
 120 16.0 6.8 10.2#  
 236 26.2 20.2 30.2

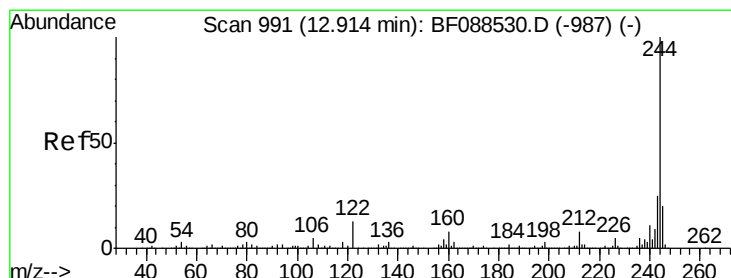
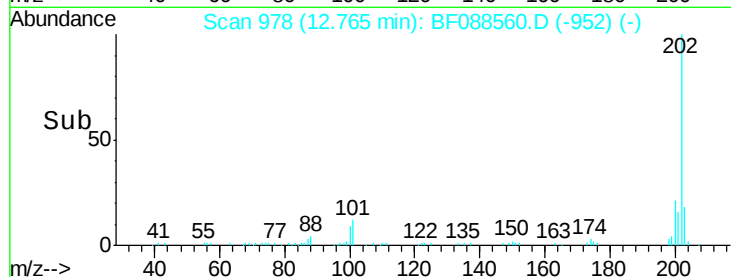
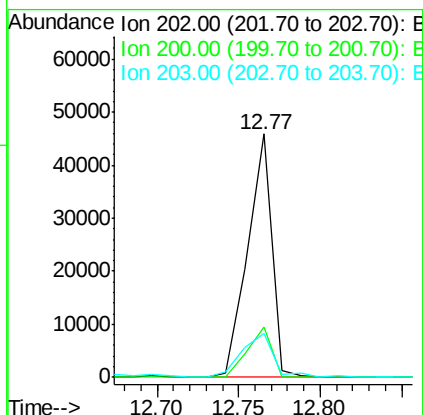
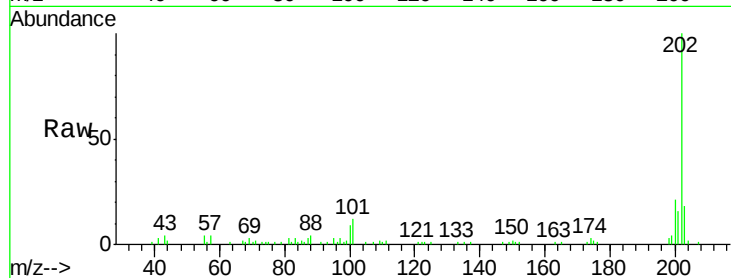




#77  
Pvrene  
Concen: 2.02 ng  
RT: 12.77 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: BF088560.D  
Acq: 1 Jul 2016 6:09

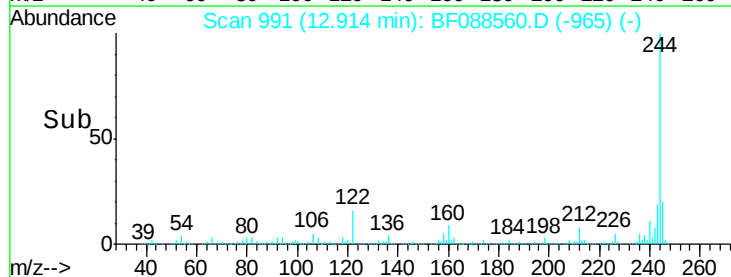
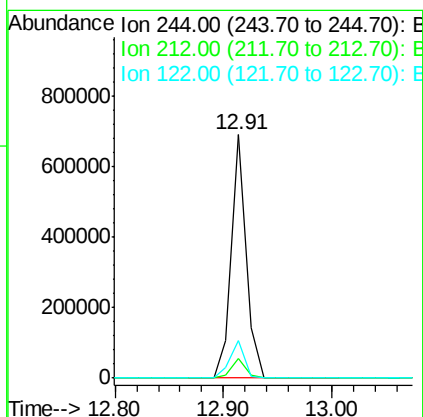
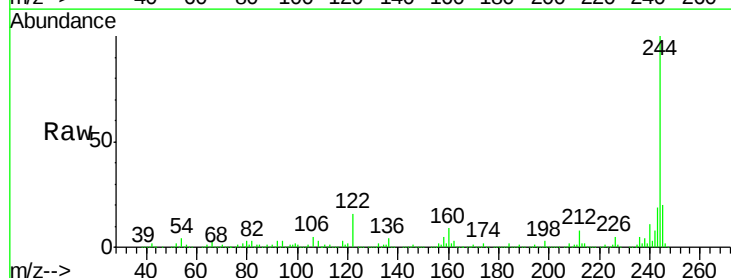
Instrument :  
BNA\_F  
ClientSampleId :  
C9-B2(0-6)C

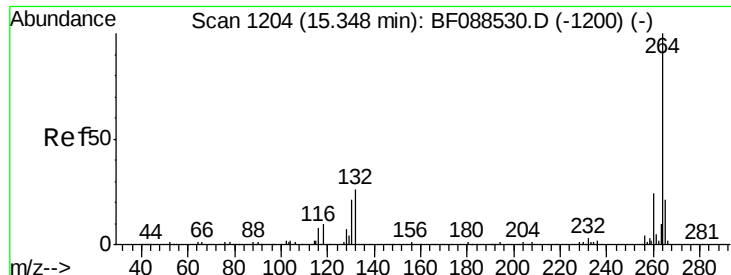
Tot Ion:202 Resp: 47055  
Ion Ratio Lower Upper  
202 100  
200 20.5 17.4 26.2  
203 17.8 14.5 21.7



#78  
Terphenyl-d14  
Concen: 52.44 ng  
RT: 12.91 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BF088560.D  
Acq: 1 Jul 2016 6:09

Tgt Ion:244 Resp: 648115  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.0 9.0  
122 15.6 11.2 16.8





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1205  
Delta R.T. 0.01 min  
Lab File: BF088560.D  
Acq: 1 Jul 2016 6:09

Instrument :  
BNA\_F  
ClientSampleId :  
C9-B2(0-6)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 21.8  | 16.9  | 25.3  |

