

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070217\  
 Data File : BF096419.D  
 Acq On : 2 Jul 2017 16:40  
 Operator : SJ/MA  
 Sample : I3950-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B6-10-12

Quant Time: Jul 03 05:47:34 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

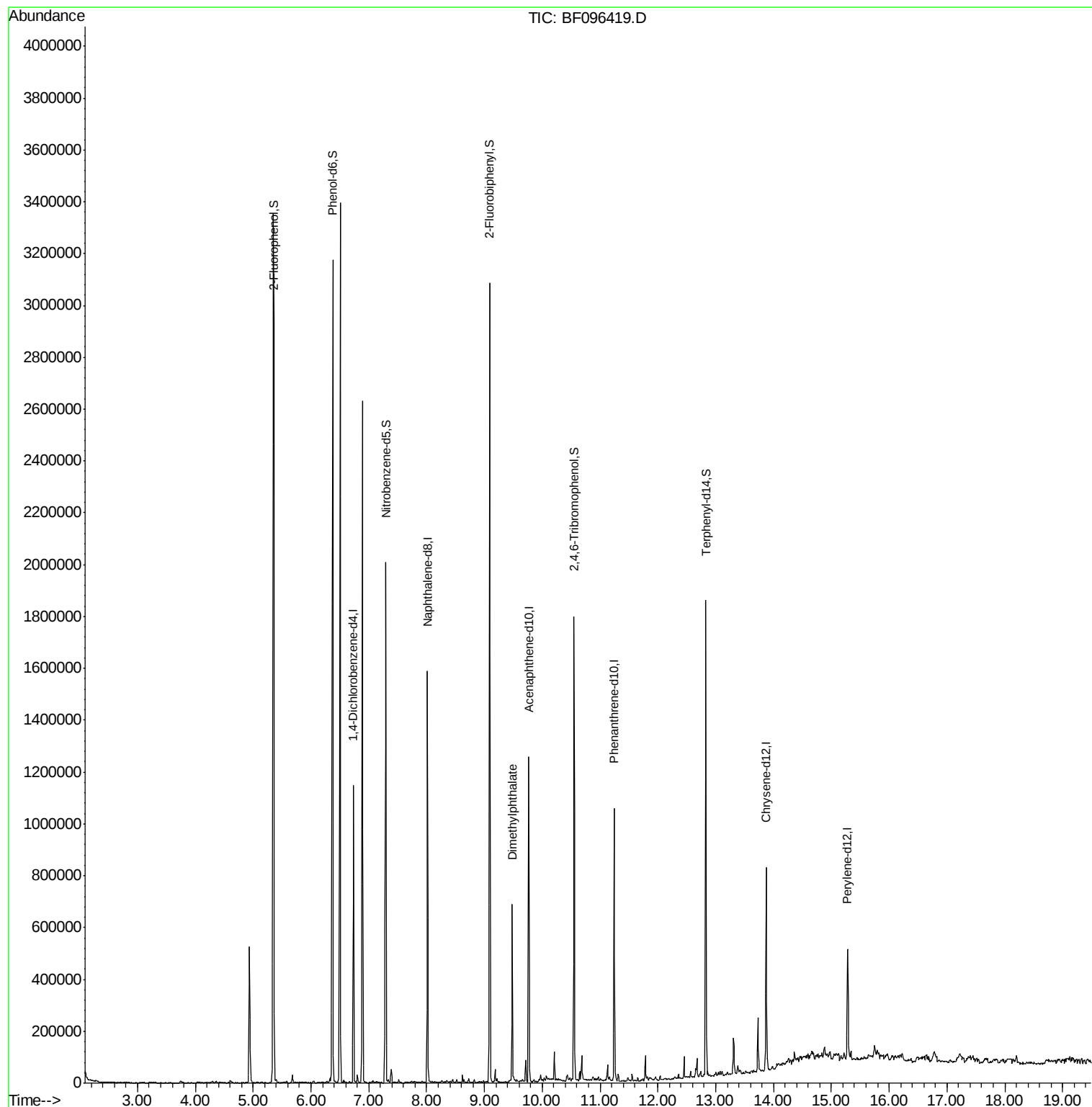
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 149307   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.02  | 136  | 649328   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.77  | 164  | 249790   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.25 | 188  | 343348   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.87 | 240  | 255926   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.29 | 264  | 184798   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.35  | 112  | 1096126  | 108.36 | ng    | 0.00      |
| 7) Phenol-d6                | 6.37  | 99   | 1192851  | 95.92  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 677064   | 62.66  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 191900   | 98.35  | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 948293   | 64.91  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.83 | 244  | 541904   | 45.25  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.49  | 163  | 284604   | 15.263 | ng    | Qvalue 98 |

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

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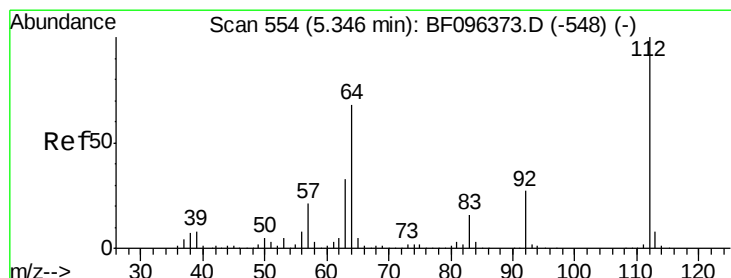
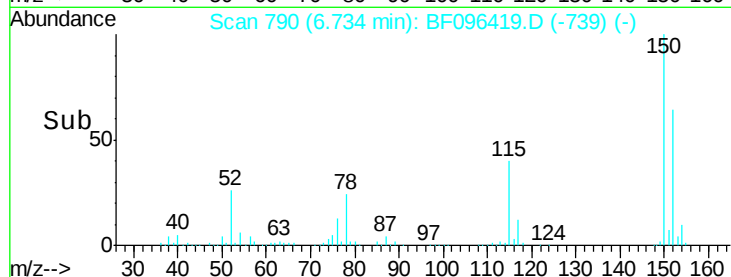
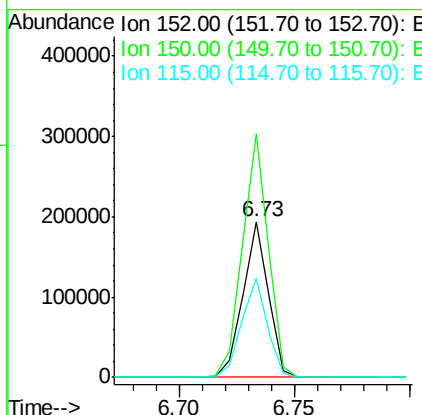
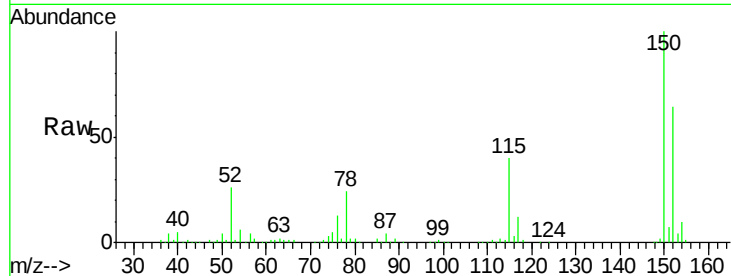




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. 0.00 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

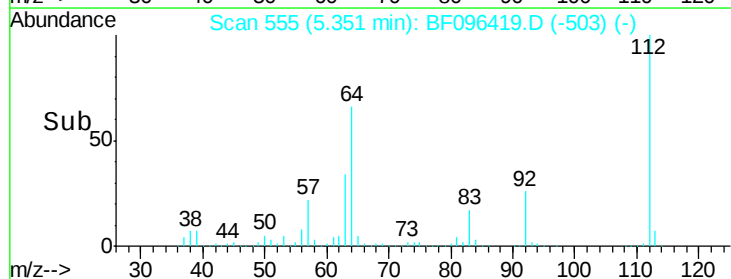
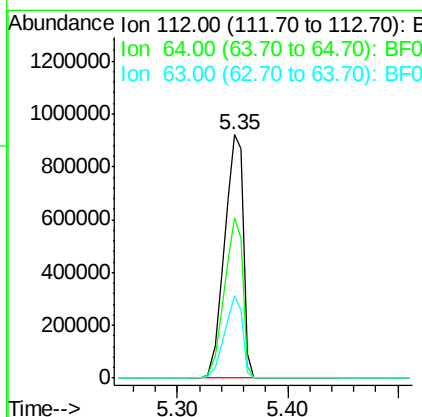
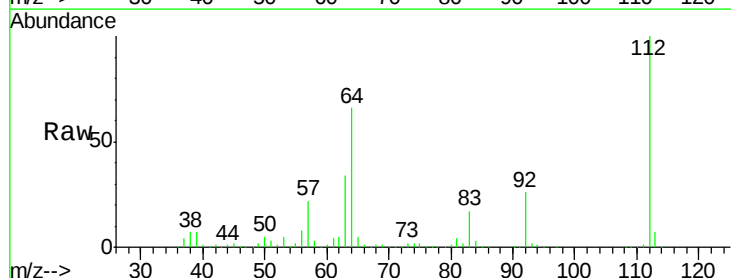
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B6-10-12

Tgt Ion:152 Resp: 149307  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 126.2 189.2  
 115 63.2 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 108.357 ng  
 RT: 5.35 min Scan# 555  
 Delta R.T. 0.01 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

Tgt Ion:112 Resp: 1096126  
 Ion Ratio Lower Upper  
 112 100  
 64 65.8 46.0 69.0  
 63 33.6 23.4 35.0





#7

Phenol-d6

Concen: 95.918 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

Instrument :

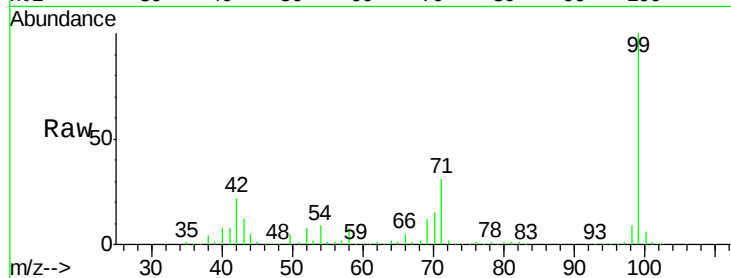
BNA\_F

ClientSampled :

B6-10-12

Tgt Ion: 99 Resp: 1192851

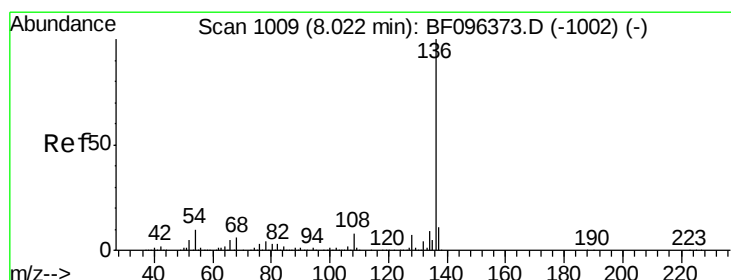
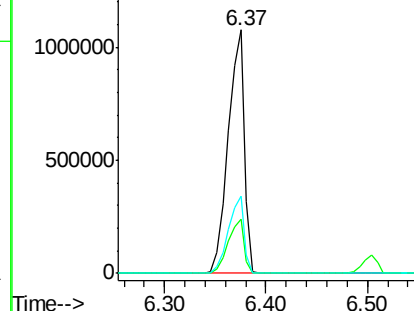
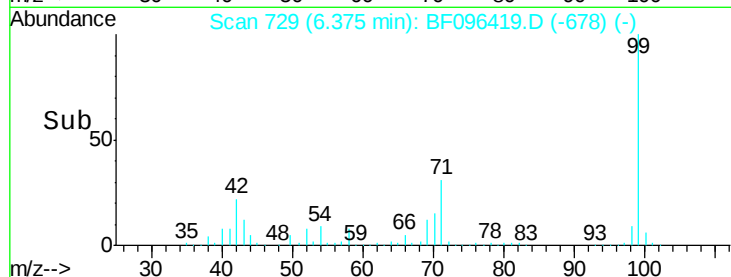
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.4  | 13.5  | 20.3# |
| 71  | 31.5  | 24.5  | 36.7  |



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: 20.000 ng

RT: 8.02 min Scan# 1008

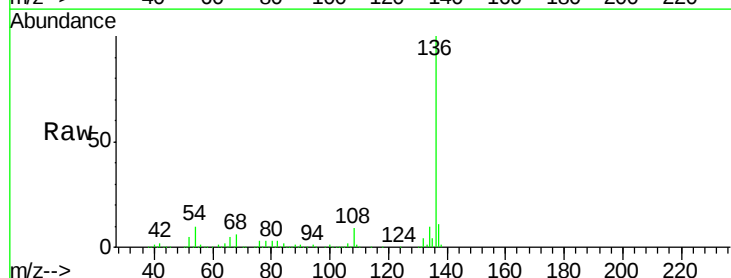
Delta R.T. -0.01 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

Tgt Ion: 136 Resp: 649328

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.5   | 12.7  |
| 54  | 10.0  | 4.9   | 7.3#  |
| 68  | 6.1   | 4.1   | 6.1   |

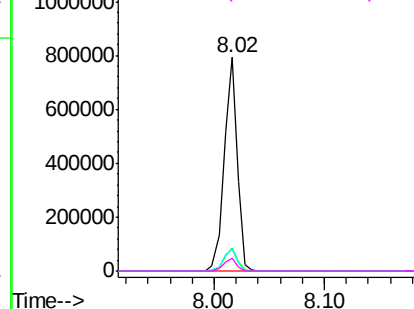
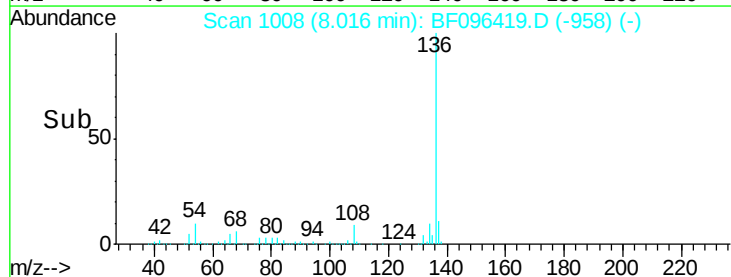


Abundance Ion 136.00 (135.70 to 136.70): E

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

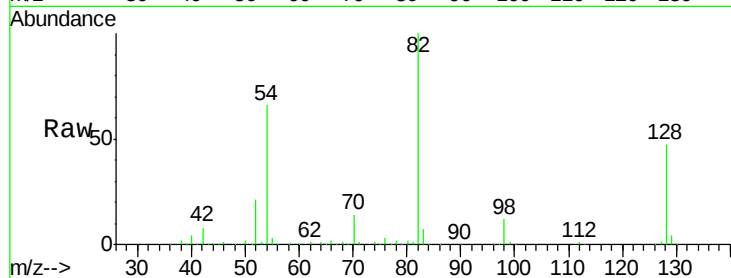




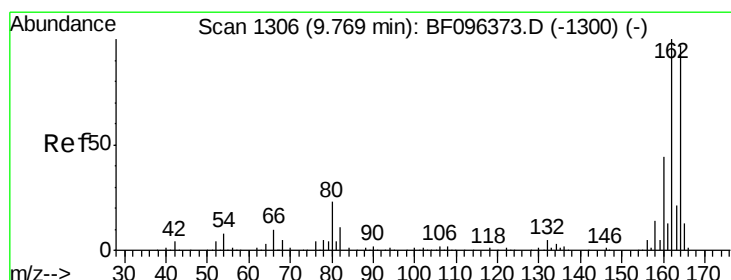
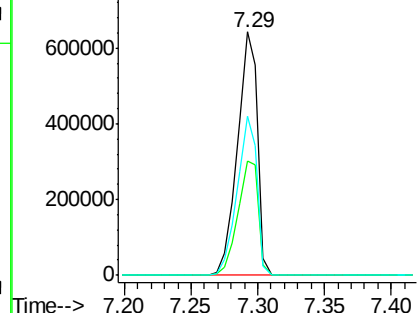
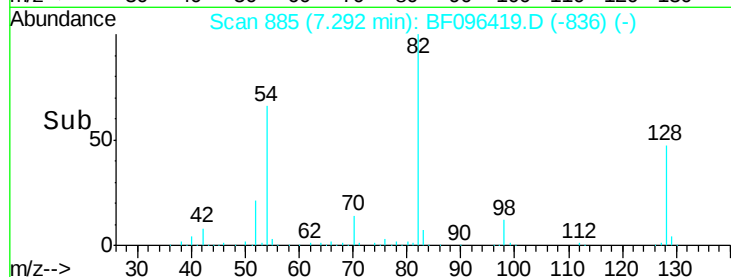
#23  
 Nitrobenzene-d5  
 Concen: 62.658 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

Instrument :  
 BNA\_F  
 ClientSampled :  
 B6-10-12

Tgt Ion: 82 Resp: 677064  
 Ion Ratio Lower Upper  
 82 100  
 128 46.7 34.0 51.0  
 54 65.5 42.2 63.2#

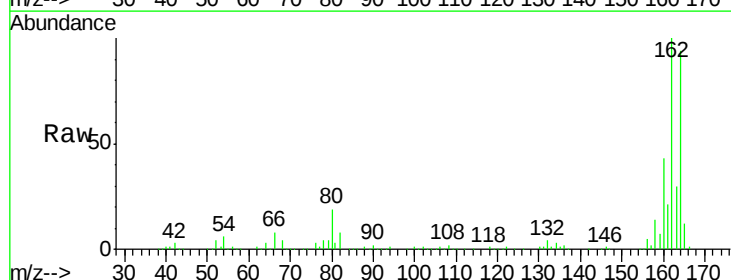


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

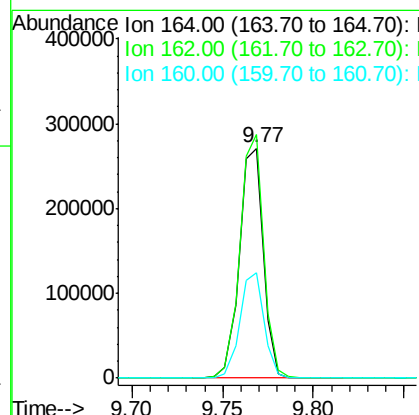
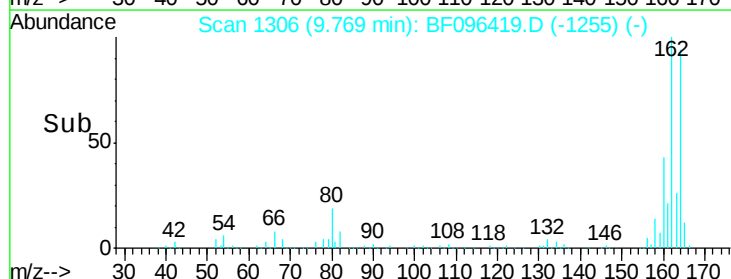


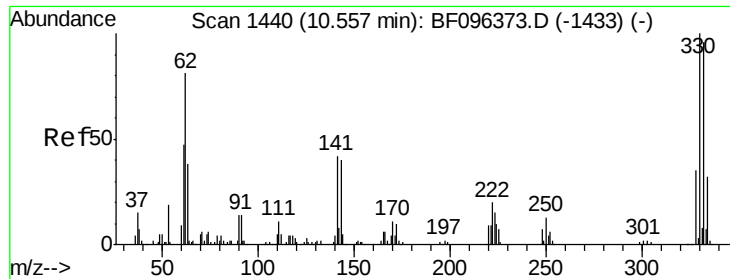
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

Tgt Ion: 164 Resp: 249790  
 Ion Ratio Lower Upper  
 164 100  
 162 105.9 82.6 123.8  
 160 45.9 36.2 54.2



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

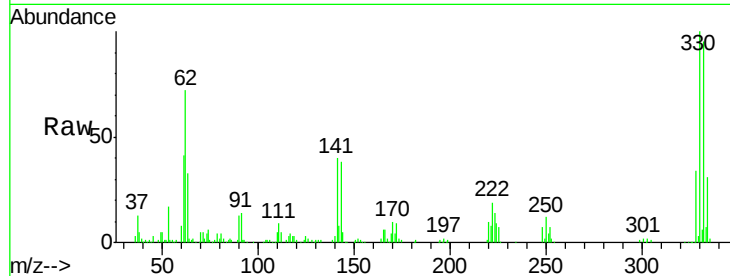




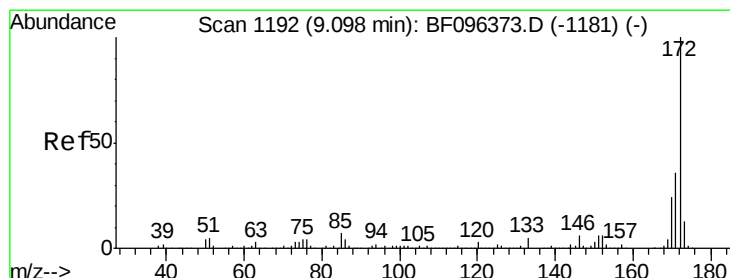
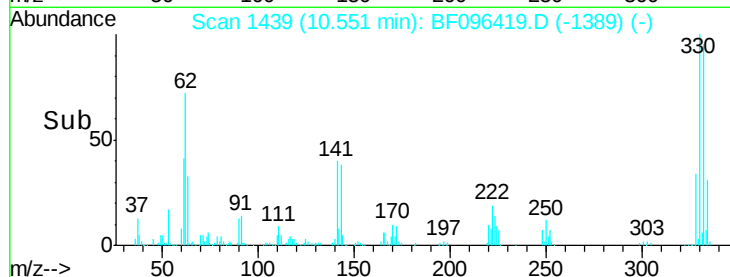
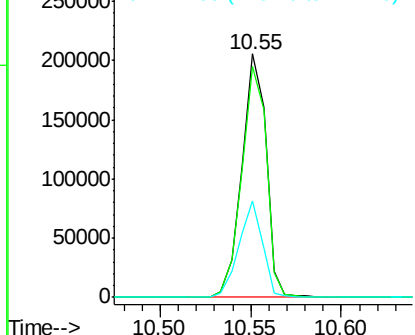
#41  
 2,4,6-Tribromophenol  
 Concen: 98.351 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

Instrument :  
 BNA\_F  
 ClientSampled :  
 B6-10-12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 76.6  | 115.0 |
| 141     | 38.5  | 31.4  | 47.2  |

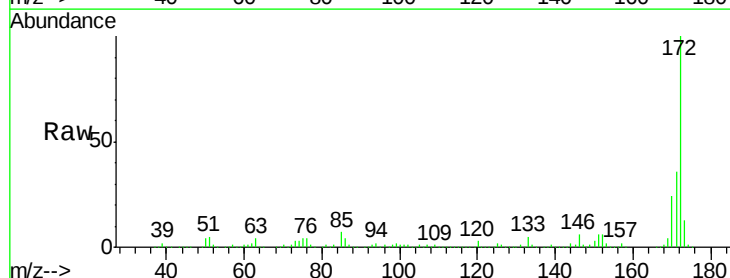


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

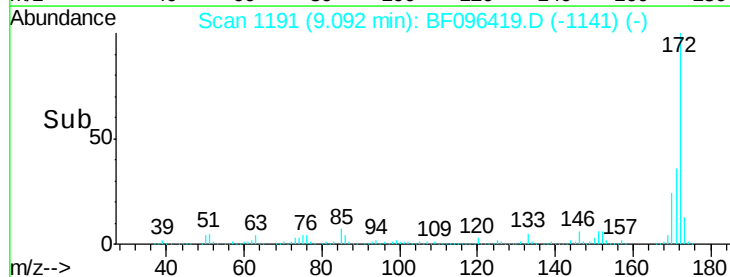
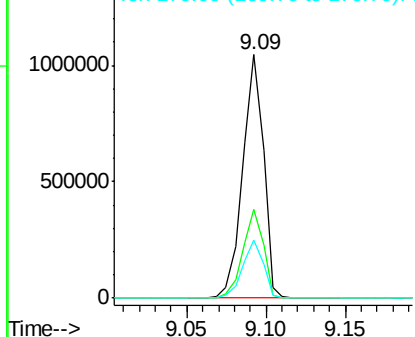


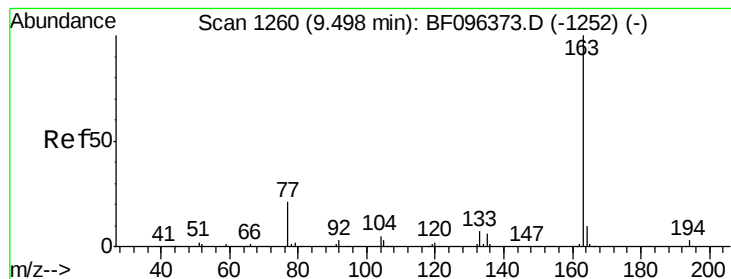
#44  
 2-Fluorobiphenyl  
 Concen: 64.909 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF096419.D  
 Acq: 2 Jul 2017 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |



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: 15.263 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

Instrument :

BNA\_F

ClientSampleId :

B6-10-12

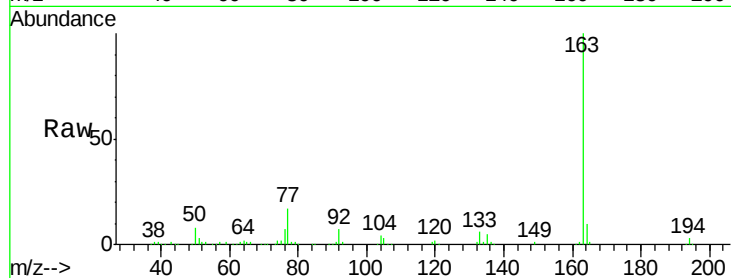
Tgt Ion:163 Resp: 284604

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

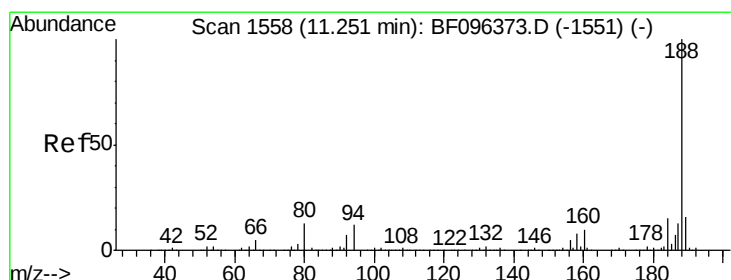
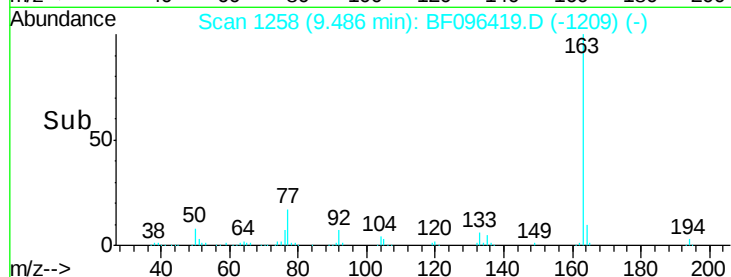
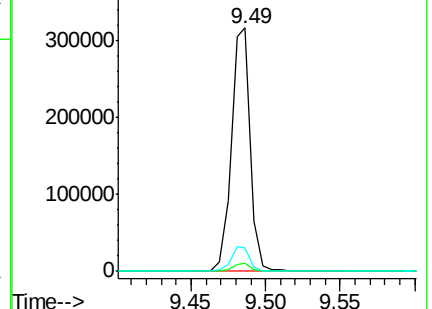
164 9.6 8.4 12.6



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: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

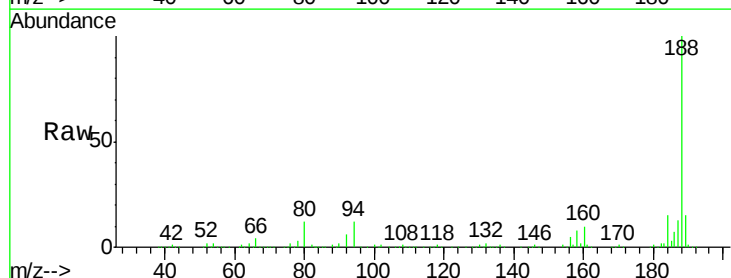
Tgt Ion:188 Resp: 343348

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

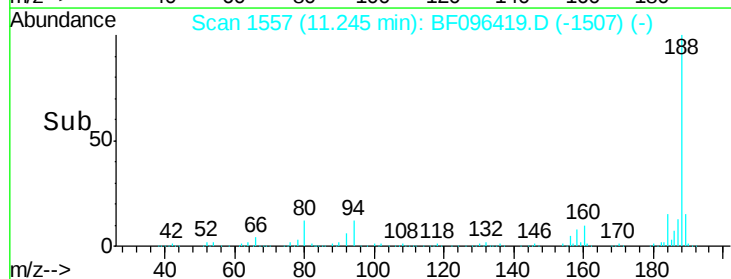
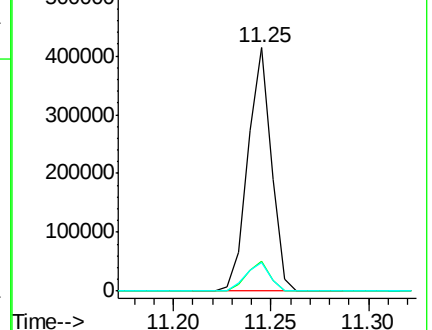
80 11.7 10.2 15.2

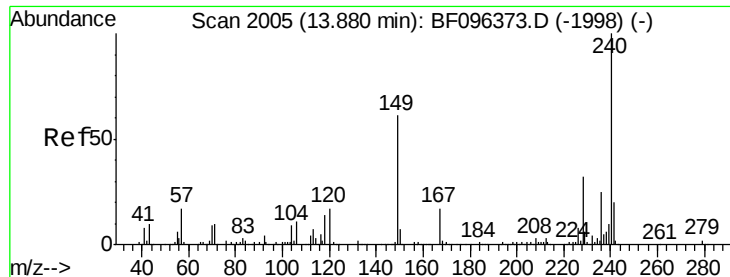


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

Instrument :

BNA\_F

ClientSampleId :

B6-10-12

Tgt Ion:240 Resp: 255926

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

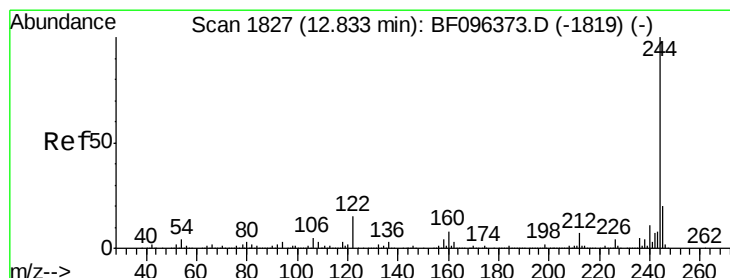
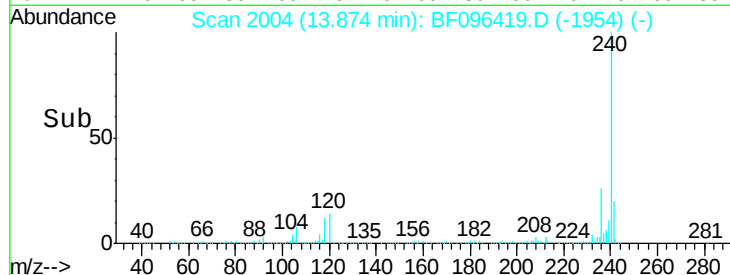
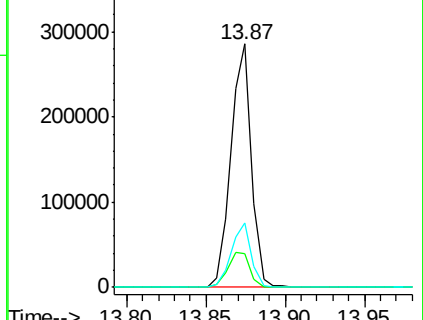
236 26.3 20.5 30.7



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: 45.246 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096419.D

Acq: 2 Jul 2017 16:40

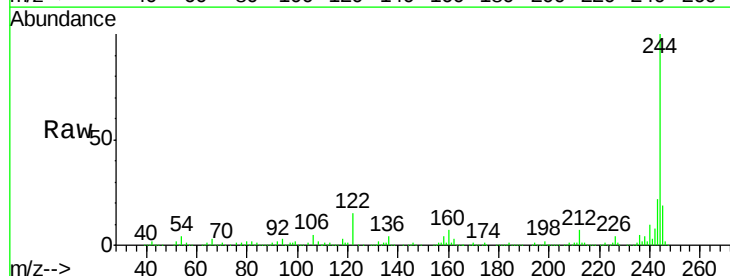
Tgt Ion:244 Resp: 541904

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

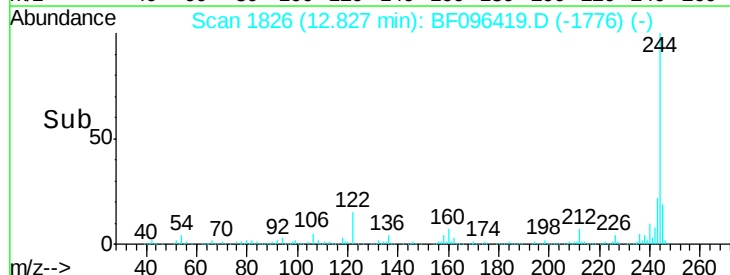
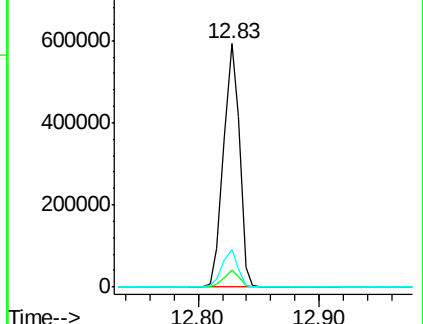
122 15.3 10.3 15.5

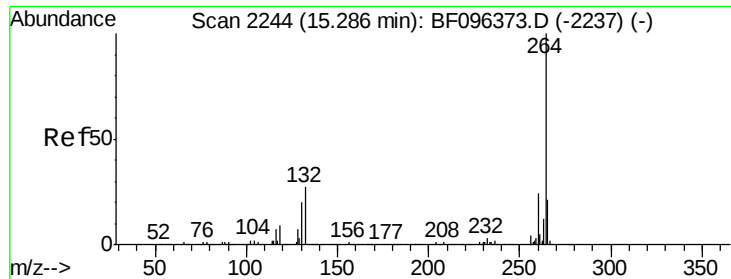


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.29 min Scan# 2244  
Delta R.T. 0.00 min  
Lab File: BF096419.D  
Acq: 2 Jul 2017 16:40

Instrument :  
BNA\_F  
ClientSampleId :  
B6-10-12

Tgt Ion: 264 Resp: 184798  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.2  | 19.5  | 29.3  |
| 265 | 21.1  | 17.2  | 25.8  |

