

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\  
 Data File : BF090763.D  
 Acq On : 22 Oct 2016 15:38  
 Operator : UM/SJ  
 Sample : H5367-13  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05S-102016

Quant Time: Oct 24 01:58:23 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 21 17:36:31 2016  
 Response via : Initial Calibration

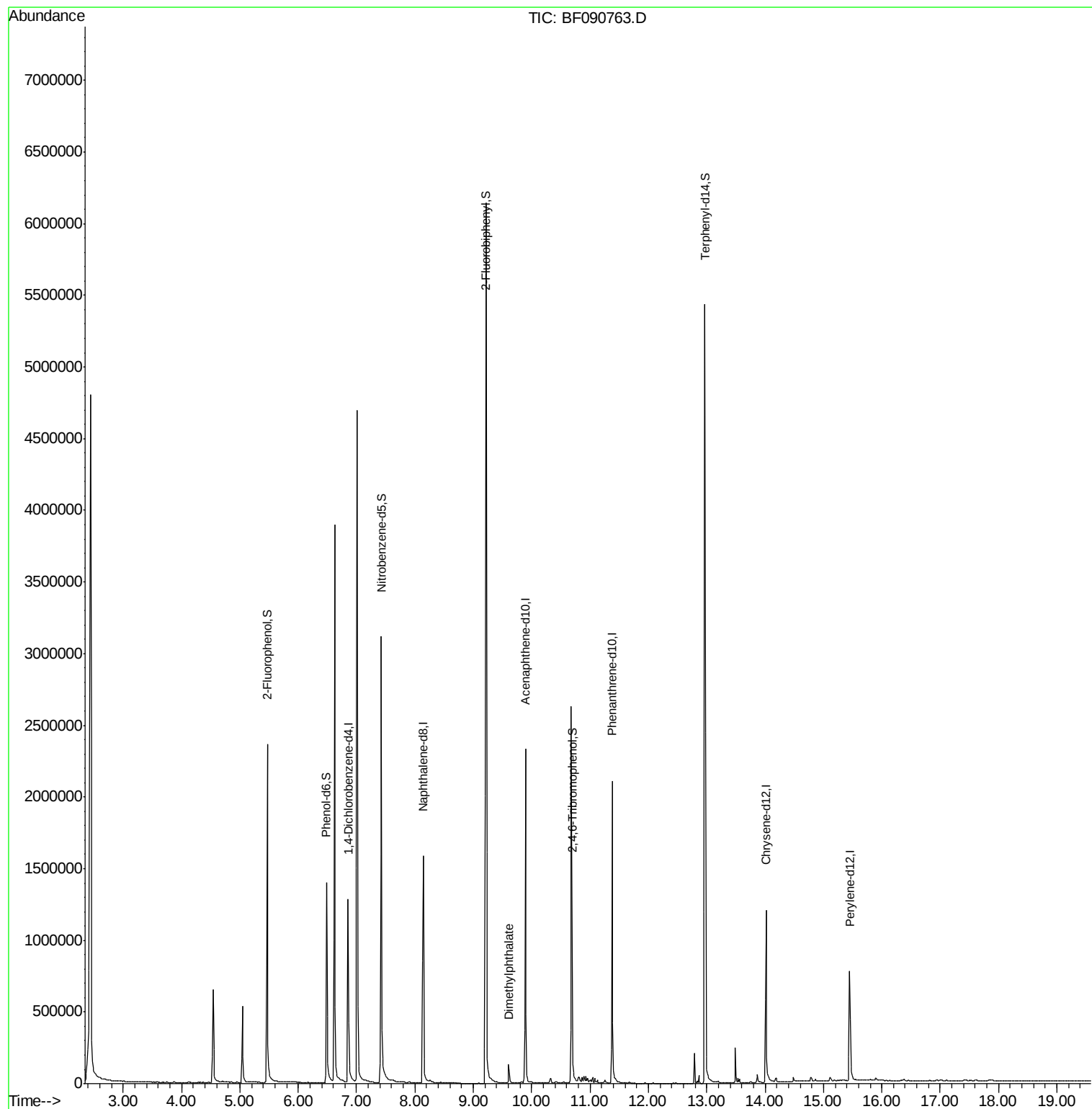
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 246671   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.14  | 136  | 1036017  | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.89  | 164  | 533773   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.38 | 188  | 847627   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.02 | 240  | 550777   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.45 | 264  | 380553   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.47  | 112  | 785195   | 51.34  | ng    | 0.01           |
| 7) Phenol-d6                | 6.49  | 99   | 642197   | 31.00  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1510401  | 79.96  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 460612   | 109.03 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2532152  | 73.64  | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.97 | 244  | 2317329  | 96.43  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.61  | 163  | 80952    | 2.41   | ng    | Qvalue<br># 97 |

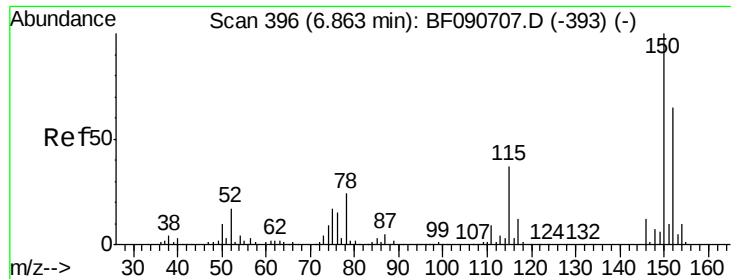
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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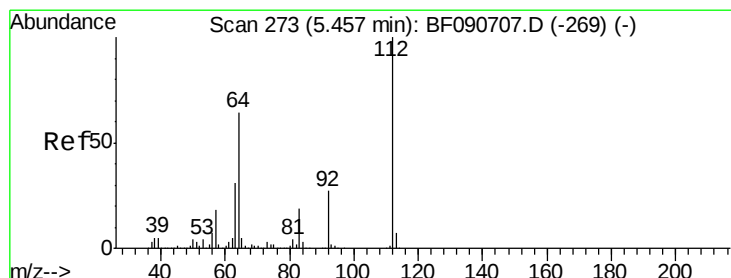
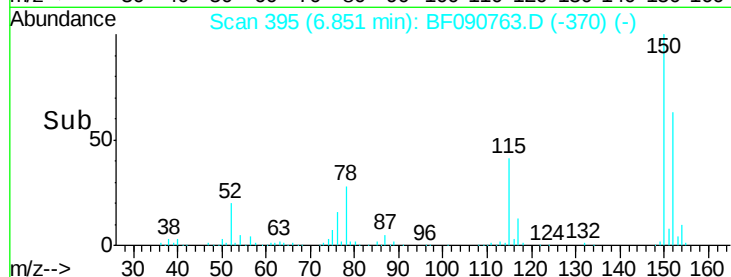
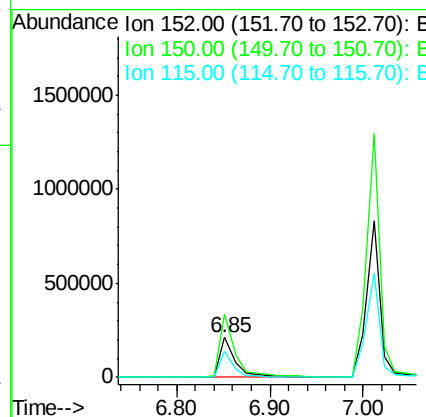
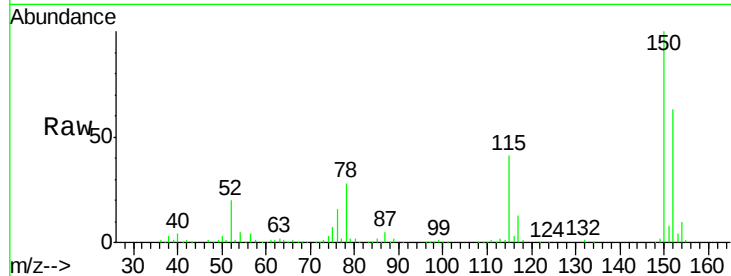


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BF090763.D  
Acq: 22 Oct 2016 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
MW-05S-102016

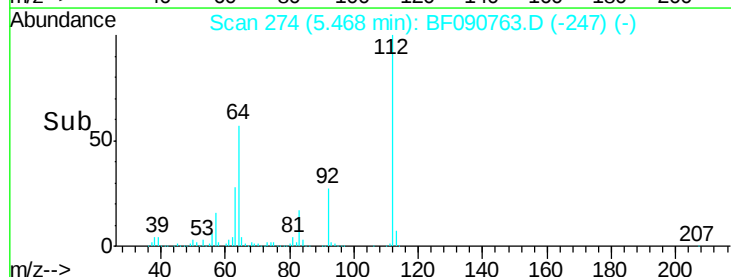
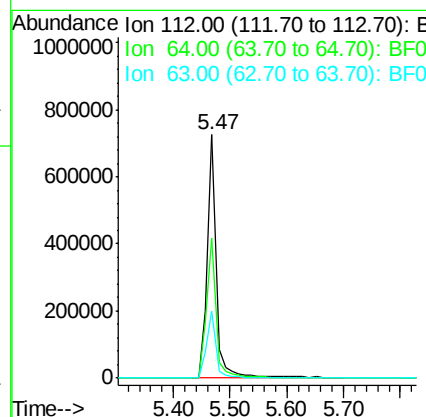
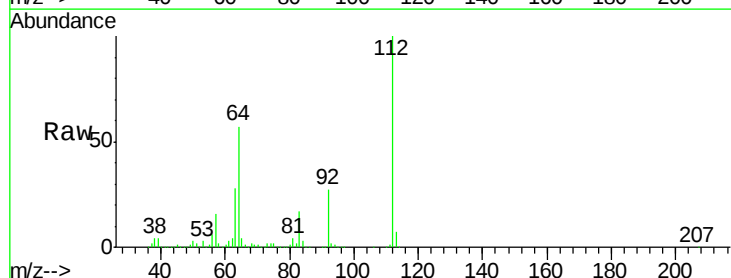
Tot Ion:152 Resp: 246671  
Ion Ratio Lower Upper  
152 100  
150 159.6 124.7 187.1  
115 65.9 39.0 58.4#

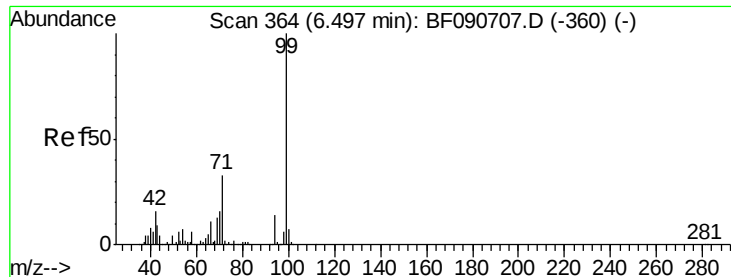


#5

2-Fluorophenol  
Concen: 51.34 ng  
RT: 5.47 min Scan# 274  
Delta R.T. 0.01 min  
Lab File: BF090763.D  
Acq: 22 Oct 2016 15:38

Tgt Ion:112 Resp: 785195  
Ion Ratio Lower Upper  
112 100  
64 57.5 39.7 59.5  
63 27.7 17.4 26.0#





#7

Phenol-d6

Concen: 31.00 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

Instrument :

BNA\_F

ClientSampleId :

MW-05S-102016

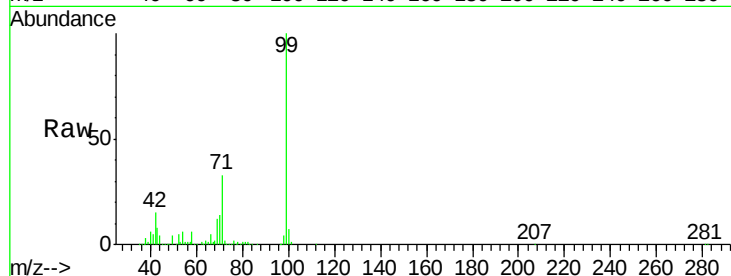
Tot Ion: 99 Resp: 642197

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

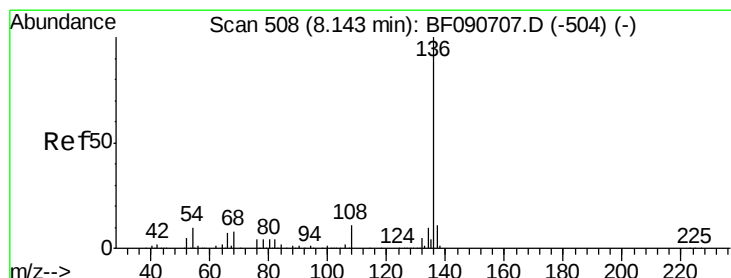
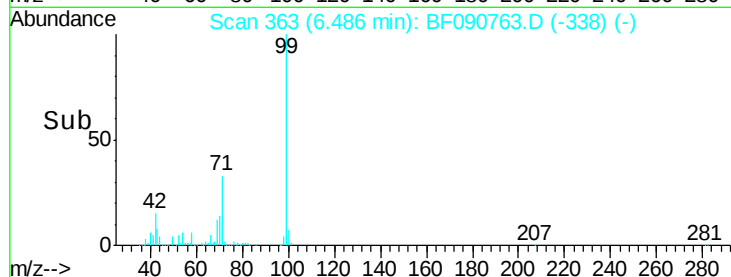
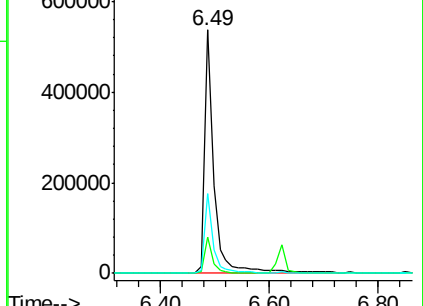
71 32.9 14.2 21.2#



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: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

Tgt Ion: 136 Resp: 1036017

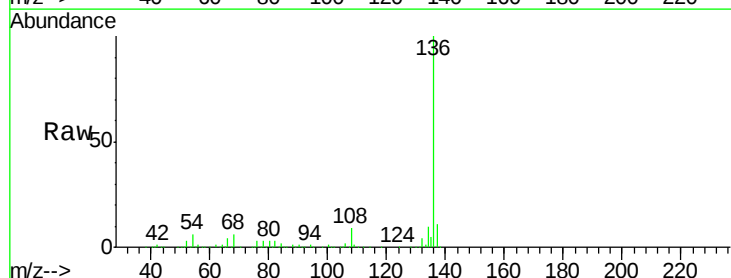
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 6.1 8.2 12.2#

68 5.8 5.8 8.6

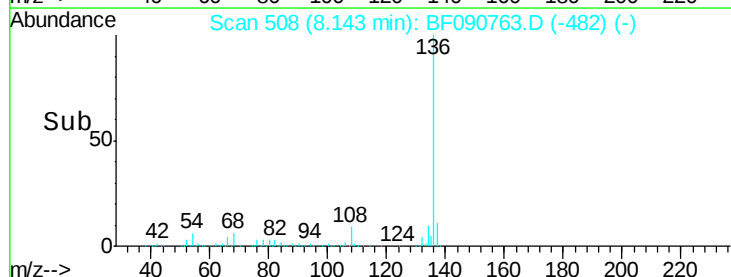
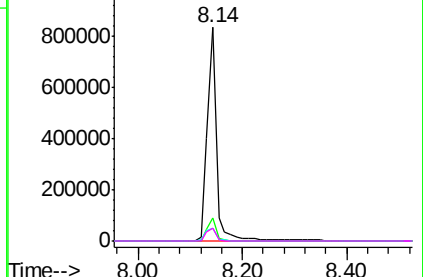


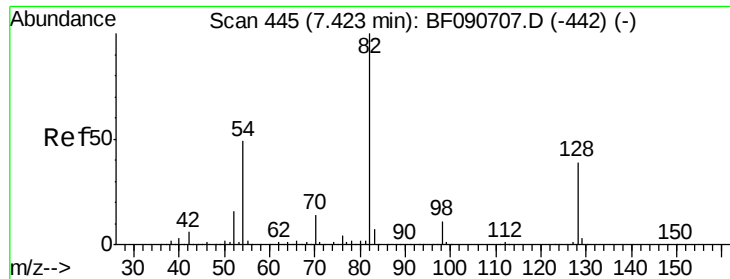
Abundance Ion 136.00 (135.70 to 136.70): E

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

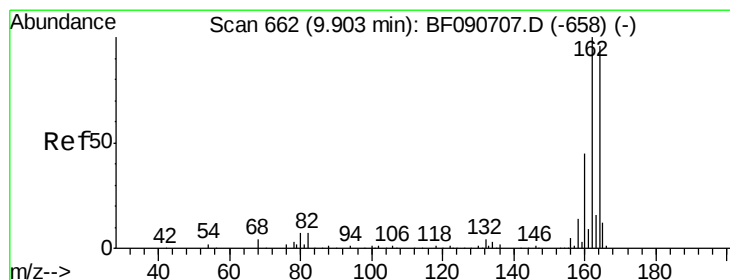
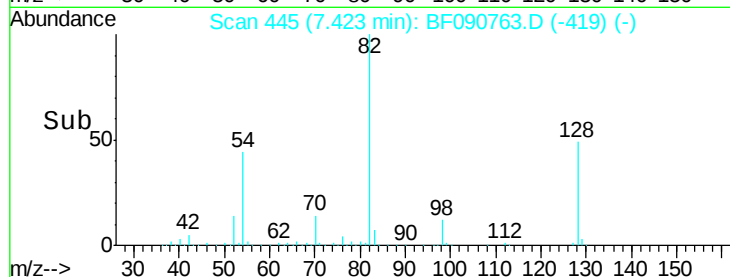
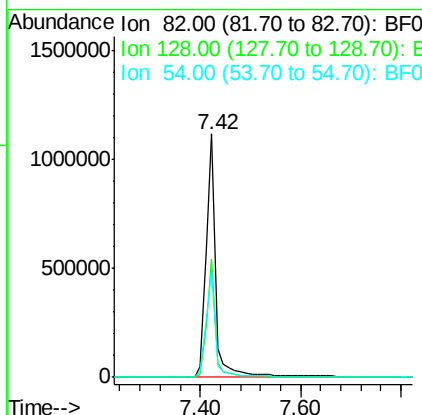
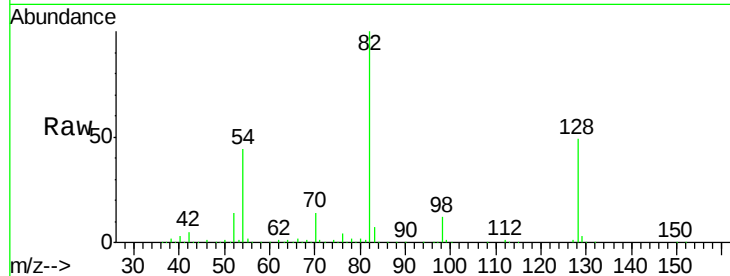




#23  
Nitrobenzene-d5  
Concen: 79.96 ng  
RT: 7.42 min Scan# 445  
Delta R.T. -0.00 min  
Lab File: BF090763.D  
Acq: 22 Oct 2016 15:38

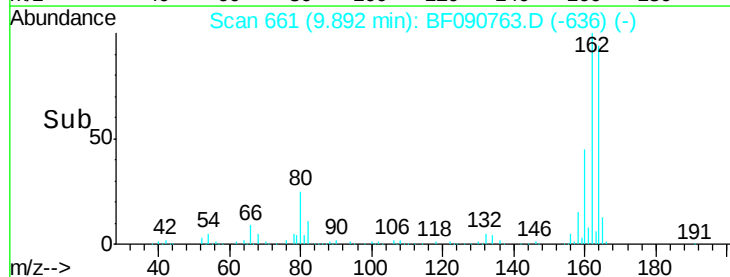
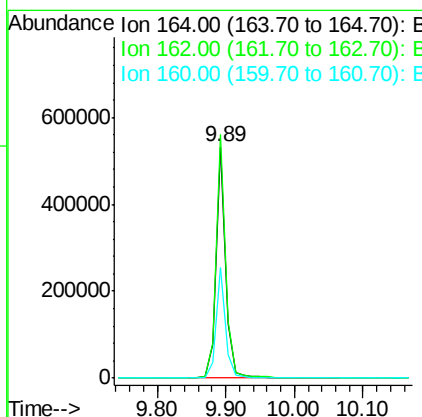
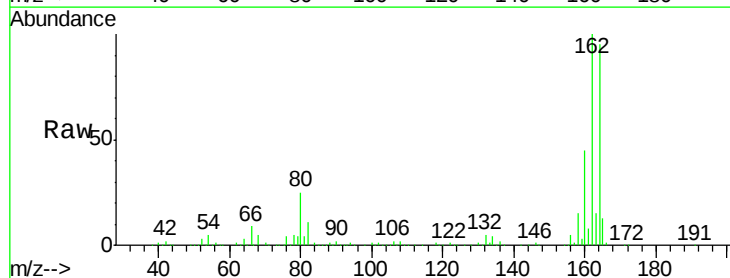
Instrument :  
BNA\_F  
ClientSampleId :  
MW-05S-102016

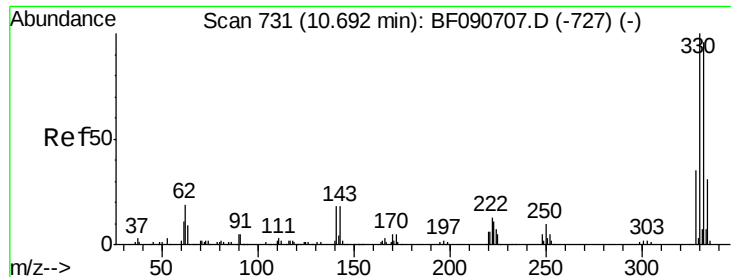
Tot Ion: 82 Resp: 1510401  
Ion Ratio Lower Upper  
82 100  
128 48.8 51.0 76.6#  
54 43.9 47.5 71.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 661  
Delta R.T. -0.01 min  
Lab File: BF090763.D  
Acq: 22 Oct 2016 15:38

Tgt Ion:164 Resp: 533773  
Ion Ratio Lower Upper  
164 100  
162 105.4 75.2 112.8  
160 47.7 31.5 47.3#

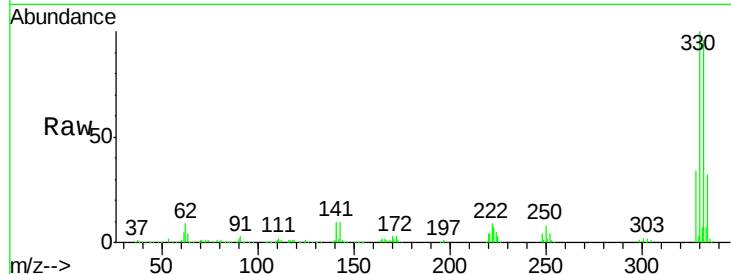




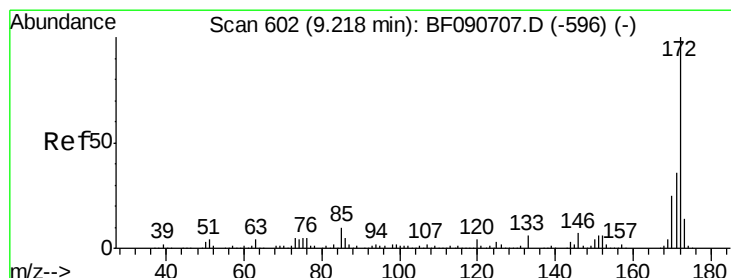
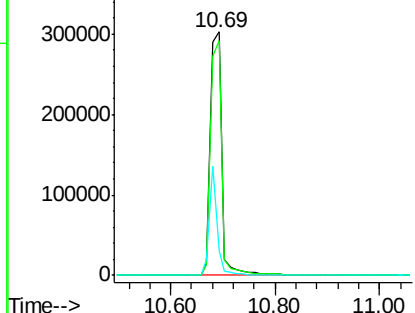
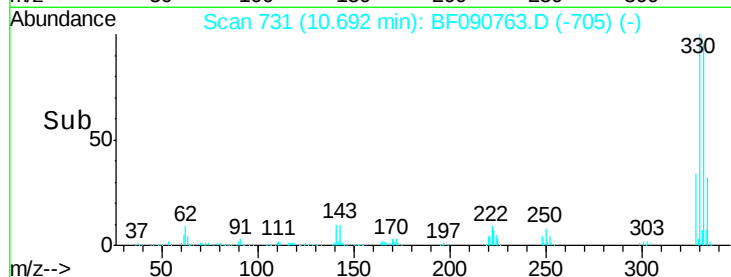
#41  
 2,4,6-Tribromophenol  
 Concen: 109.03 ng  
 RT: 10.69 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: BF090763.D  
 Acq: 22 Oct 2016 15:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05S-102016

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 76.6  | 114.8 |
| 141     | 30.7  | 29.7  | 44.5  |

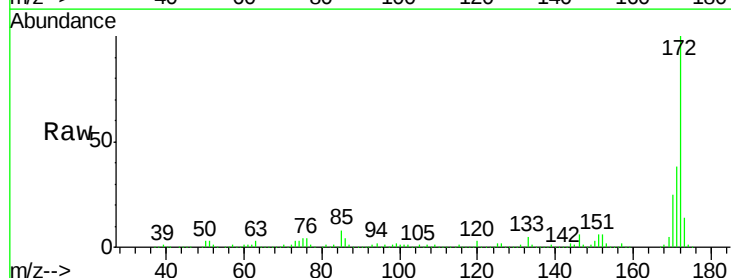


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

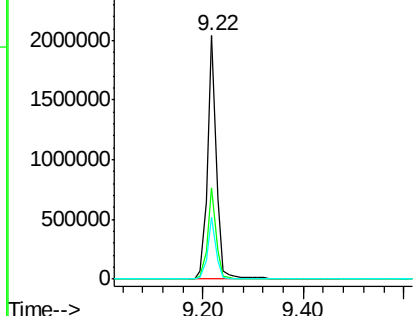
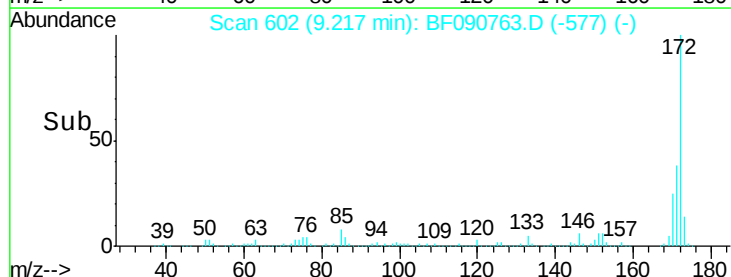


#44  
 2-Fluorobiphenyl  
 Concen: 73.64 ng  
 RT: 9.22 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF090763.D  
 Acq: 22 Oct 2016 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 26.1  | 39.1  |
| 170     | 25.5  | 17.4  | 26.2  |



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: 2.41 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

Instrument :

BNA\_F

ClientSampleId :

MW-05S-102016

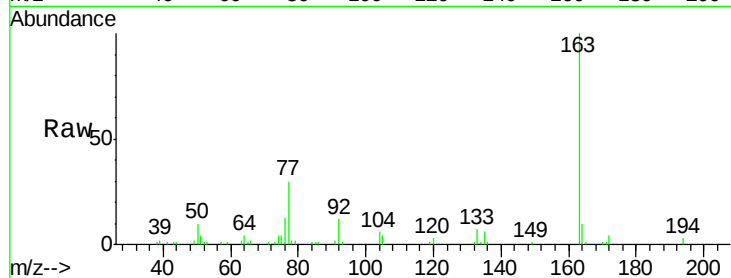
Tot Ion:163 Resp: 80952

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

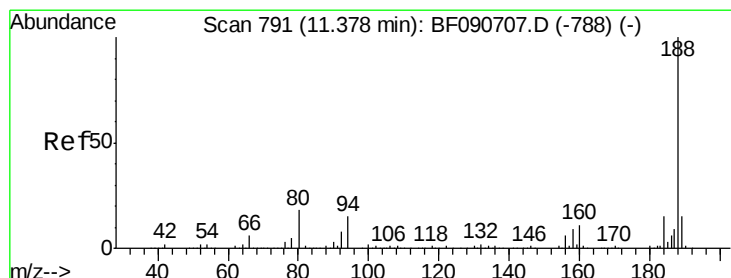
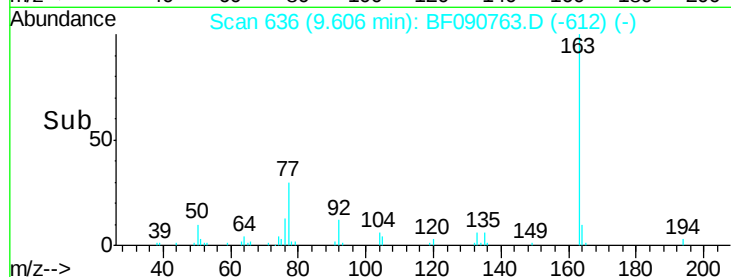
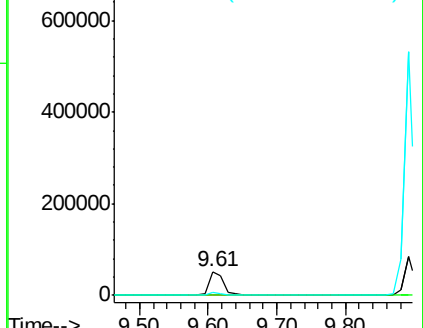
164 10.2 8.3 12.5



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: 11.38 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

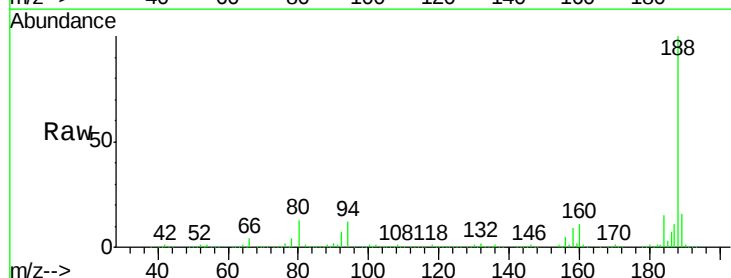
Tgt Ion:188 Resp: 847627

Ion Ratio Lower Upper

188 100

94 12.0 11.1 16.7

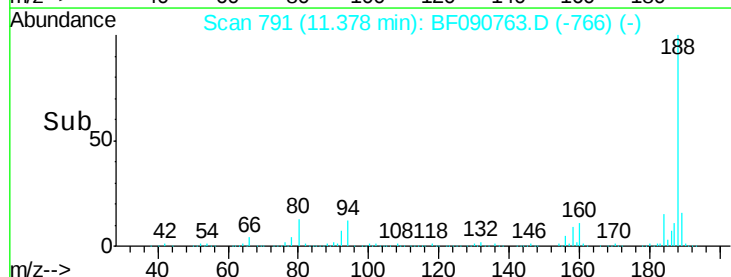
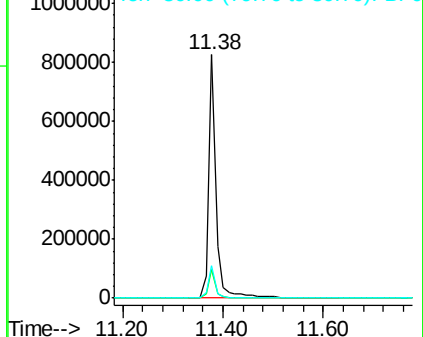
80 13.2 11.0 16.4



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: 14.02 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

Instrument :

BNA\_F

ClientSampleId :

MW-05S-102016

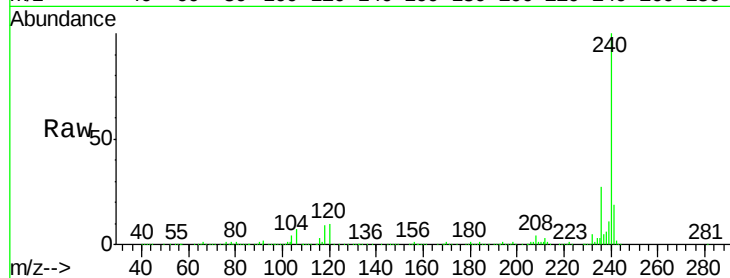
Tot Ion:240 Resp: 550777

Ion Ratio Lower Upper

240 100

120 10.1 16.2 24.2#

236 26.7 18.4 27.6

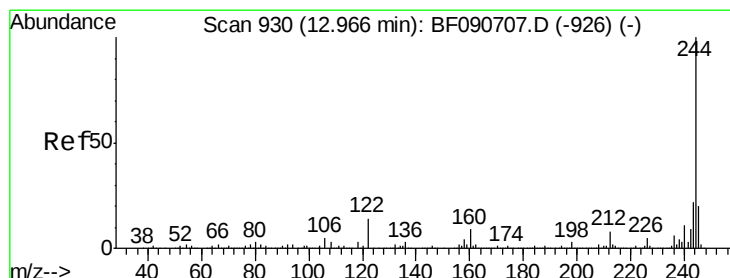
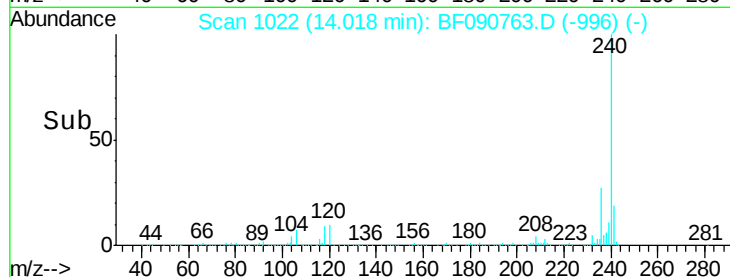
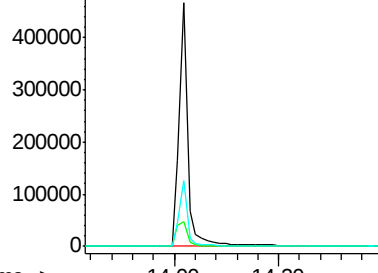


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.02



#78

Terphenyl-d14

Concen: 96.43 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090763.D

Acq: 22 Oct 2016 15:38

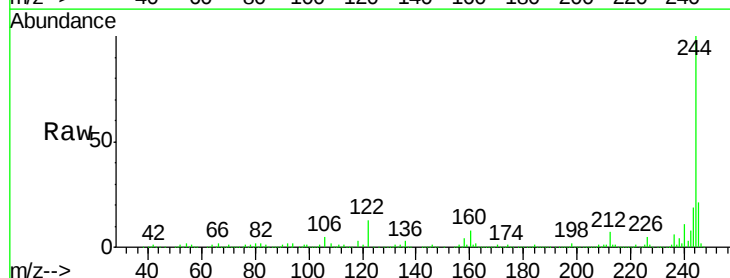
Tgt Ion:244 Resp: 2317329

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

122 13.3 17.4 26.2#

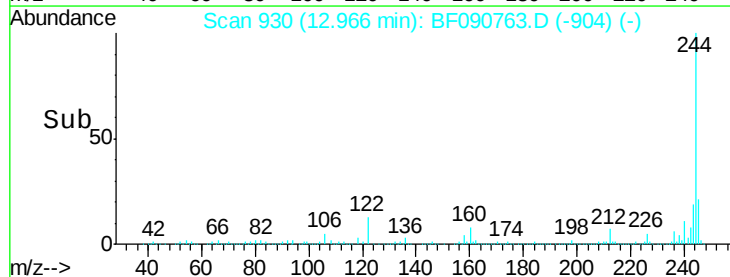
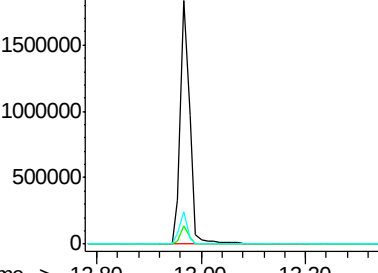


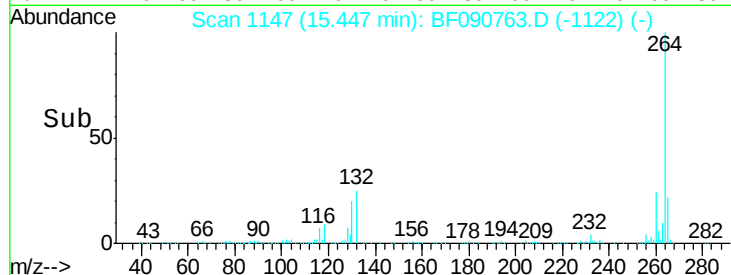
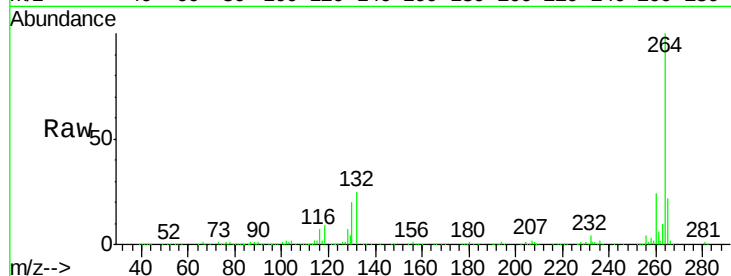
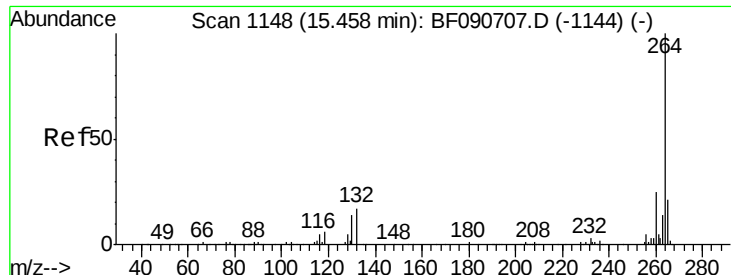
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.97





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF090763.D  
 Acq: 22 Oct 2016 15:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05S-102016

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 16.7  | 25.1  |
| 265     | 22.1  | 17.2  | 25.8  |

