

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\  
 Data File : BF090739.D  
 Acq On : 22 Oct 2016 4:39  
 Operator : UM/SJ  
 Sample : H5308-15  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-105I

Quant Time: Oct 22 05:30:13 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

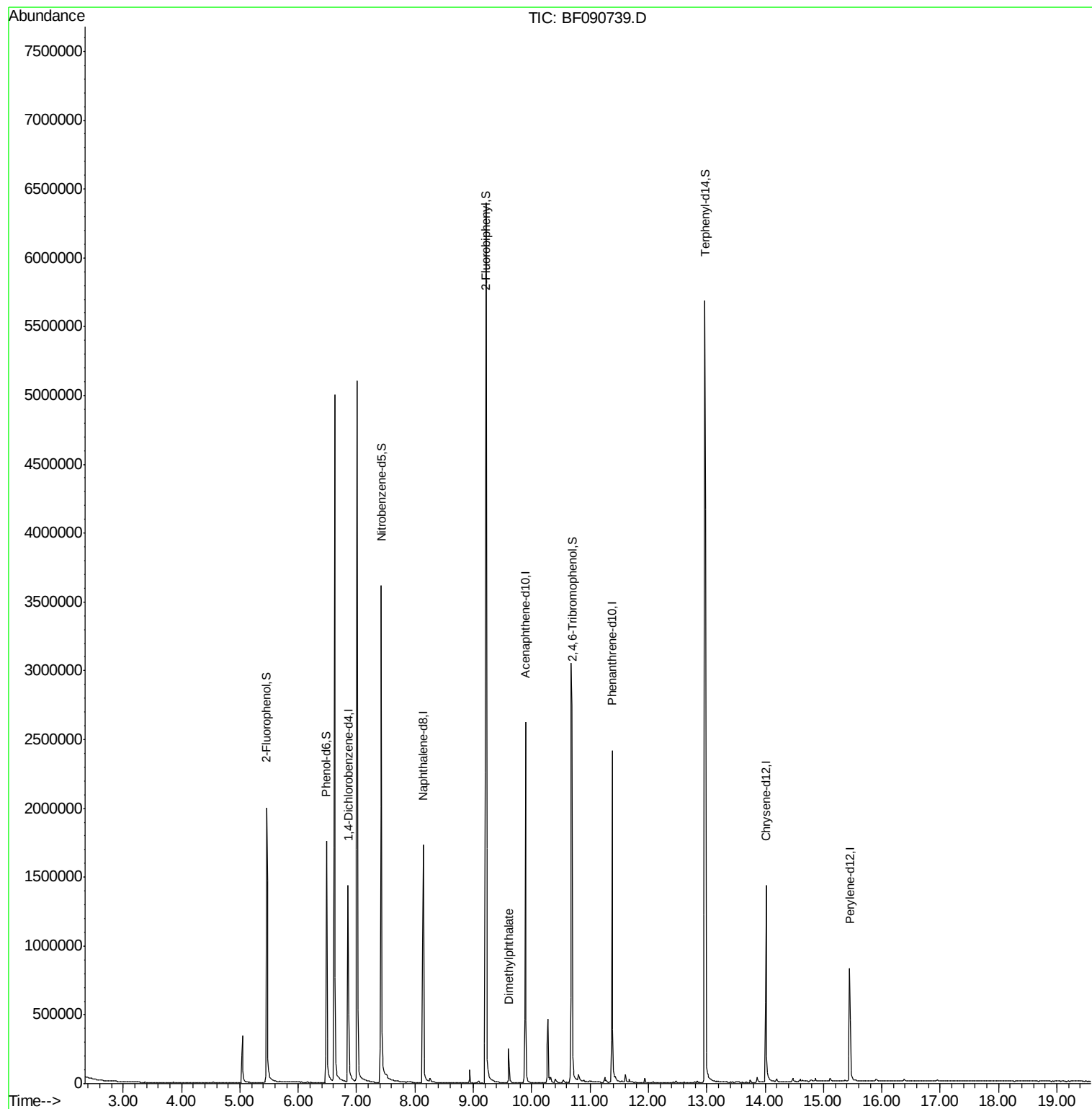
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 257302   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.14  | 136  | 1091930  | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.89  | 164  | 568193   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.38 | 188  | 898468   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.02 | 240  | 587947   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.45 | 264  | 391943   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.46  | 112  | 806221   | 50.53  | ng    | 0.00           |
| 7) Phenol-d6                | 6.49  | 99   | 661460   | 30.61  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1756733  | 88.24  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 665736   | 148.03 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2565226  | 70.09  | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.97 | 244  | 2720058  | 106.03 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.61  | 163  | 127700   | 3.58   | ng    | Qvalue<br># 96 |

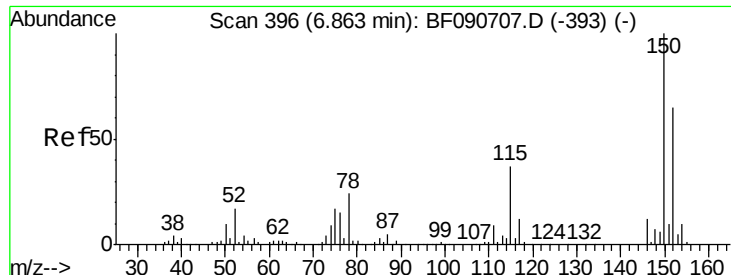
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090739.D

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Instrument :

BNA\_F

ClientSampleId :

MW-105I

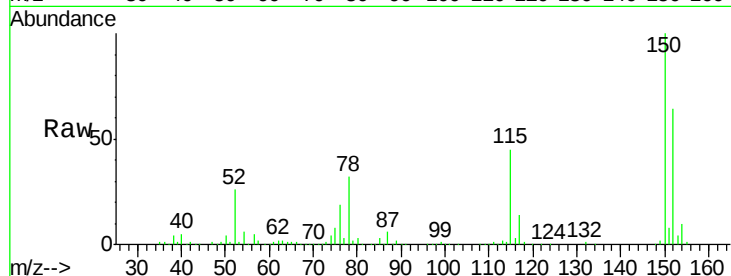
Tot Ion:152 Resp: 257302

Ion Ratio Lower Upper

152 100

150 157.0 124.7 187.1

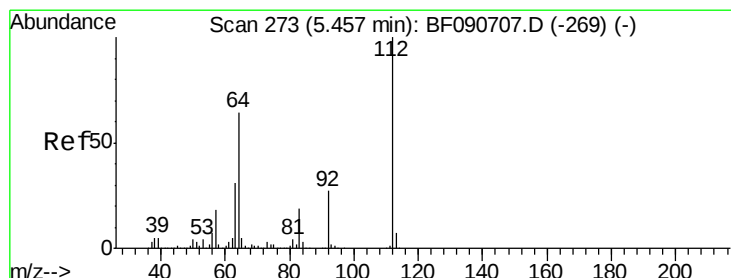
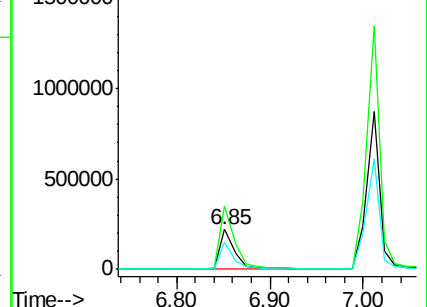
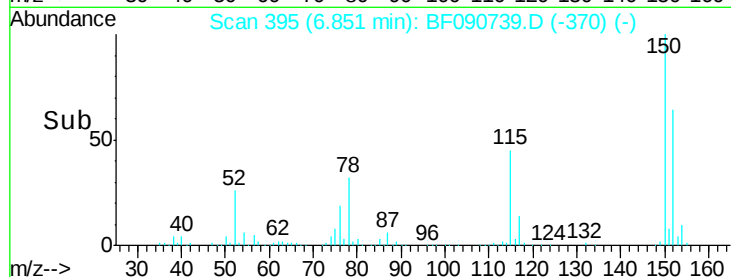
115 69.9 39.0 58.4#



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: 50.53 ng

RT: 5.46 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF090739.D

Acq: 22 Oct 2016 4:39

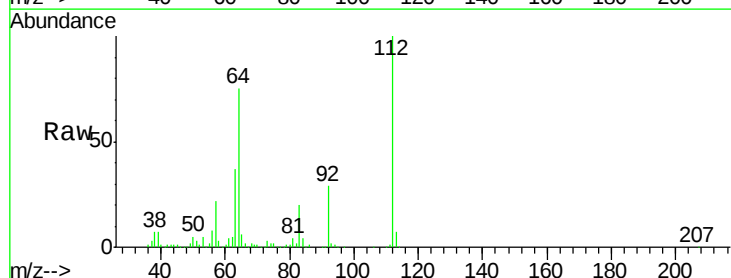
Tgt Ion:112 Resp: 806221

Ion Ratio Lower Upper

112 100

64 75.4 39.7 59.5#

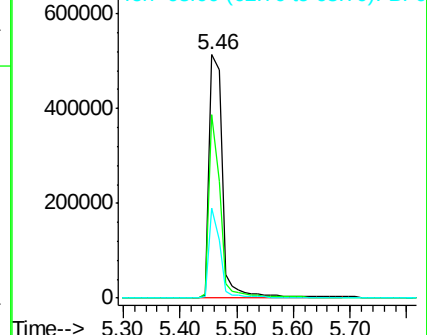
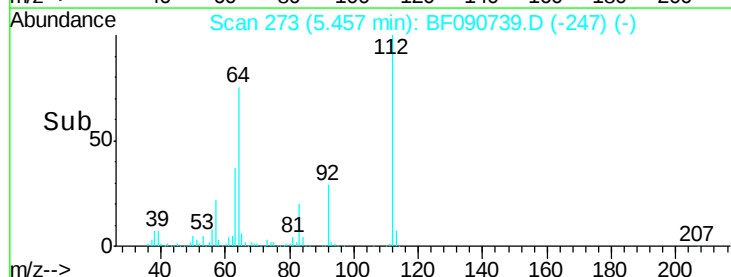
63 36.7 17.4 26.0#



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: 30.61 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090739.D

Acq: 22 Oct 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

MW-105I

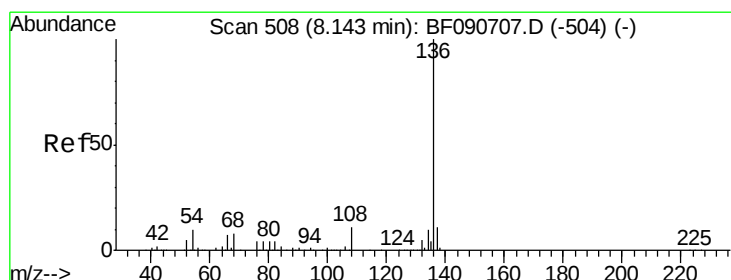
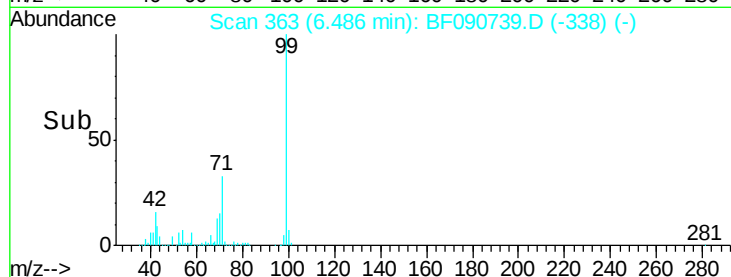
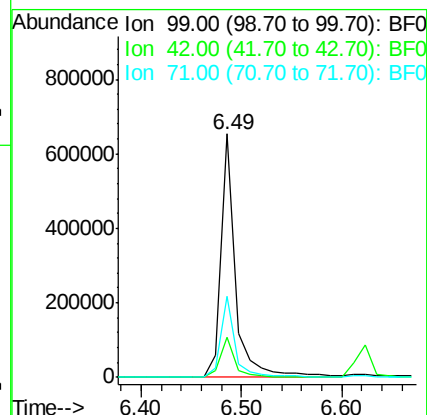
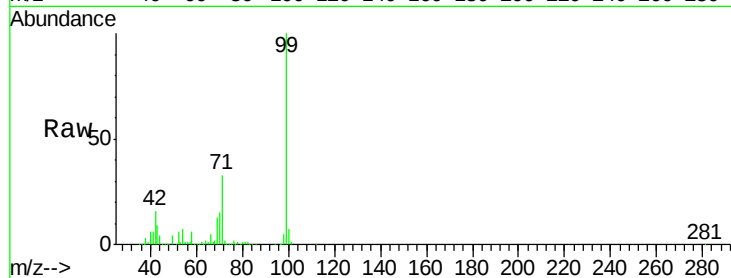
Tot Ion: 99 Resp: 661460

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

71 33.5 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090739.D

Acq: 22 Oct 2016 4:39

Tgt Ion: 136 Resp: 1091930

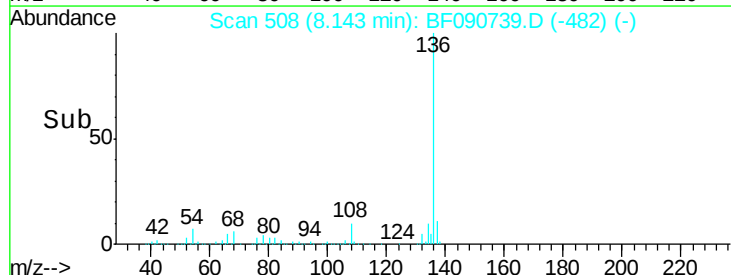
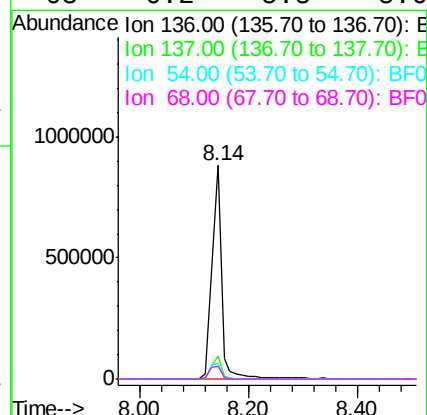
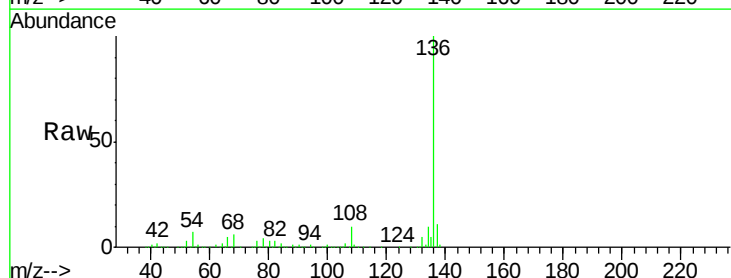
Ion Ratio Lower Upper

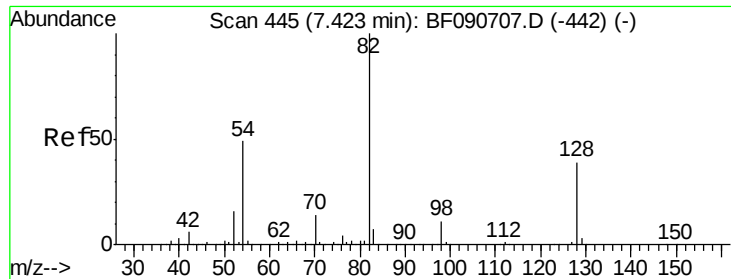
136 100

137 11.1 9.0 13.6

54 7.0 8.2 12.2#

68 6.2 5.8 8.6

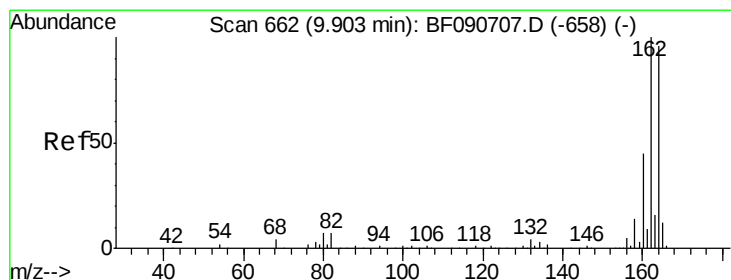
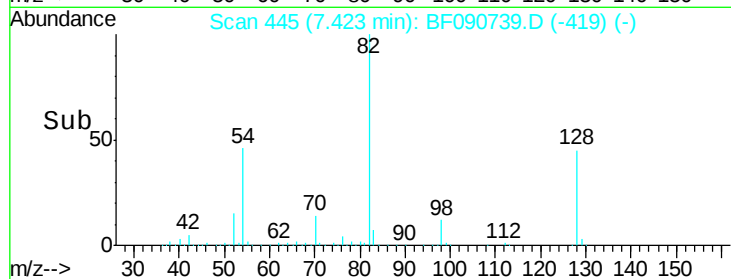
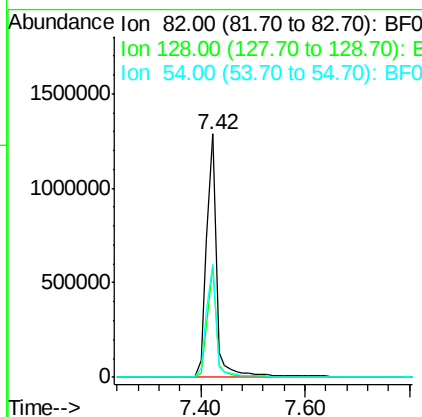
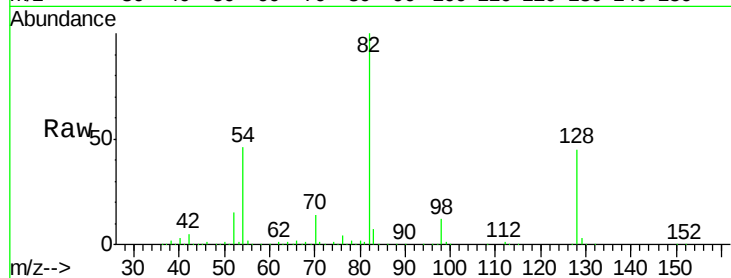




#23  
 Nitrobenzene-d5  
 Concen: 88.24 ng  
 RT: 7.42 min Scan# 445  
 Delta R.T. -0.00 min  
 Lab File: BF090739.D  
 Acq: 22 Oct 2016 4:39

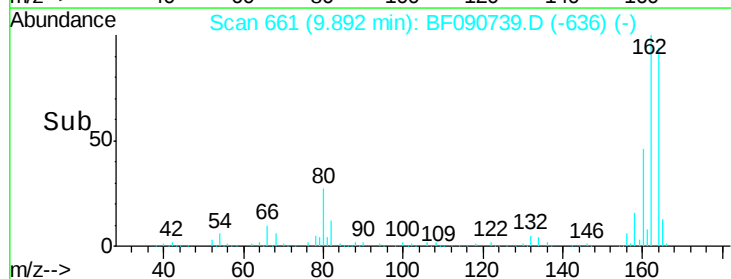
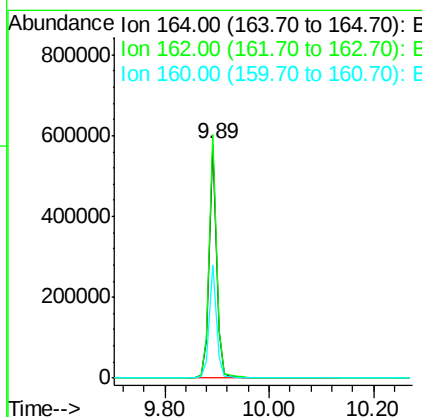
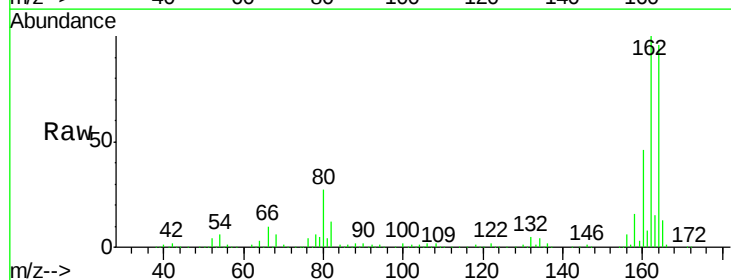
Instrument :  
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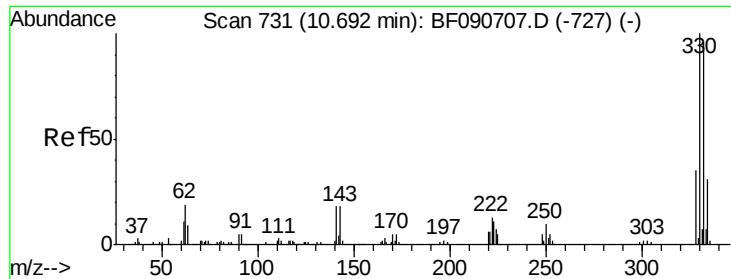
Tot Ion: 82 Resp: 1756733  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 51.0 76.6#  
 54 46.5 47.5 71.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 661  
 Delta R.T. -0.01 min  
 Lab File: BF090739.D  
 Acq: 22 Oct 2016 4:39

Tgt Ion:164 Resp: 568193  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 75.2 112.8  
 160 48.1 31.5 47.3#

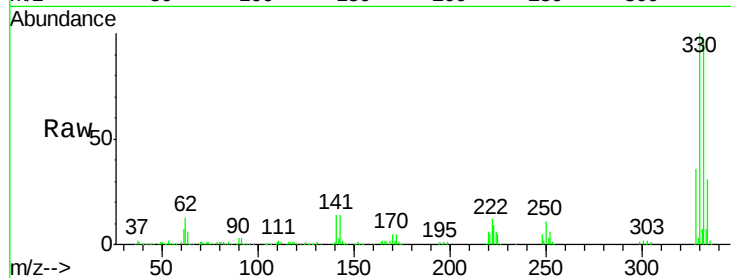




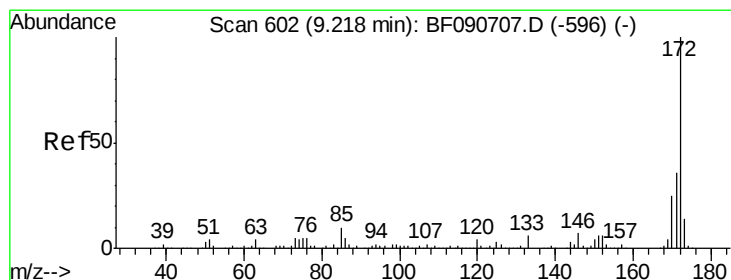
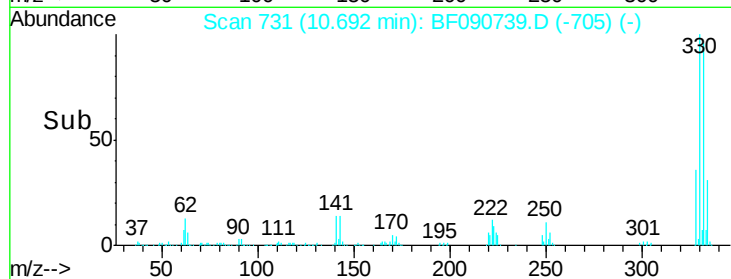
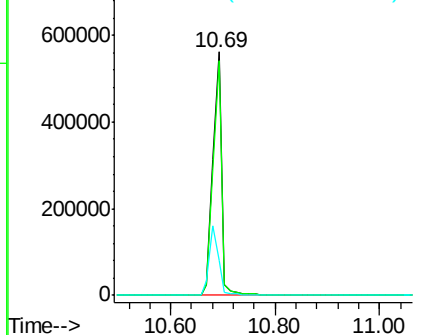
#41  
 2,4,6-Tribromophenol  
 Concen: 148.03 ng  
 RT: 10.69 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: BF090739.D  
 Acq: 22 Oct 2016 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-105I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 76.6  | 114.8 |
| 141     | 31.2  | 29.7  | 44.5  |

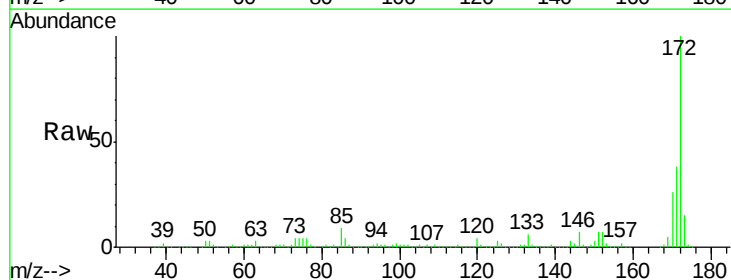


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

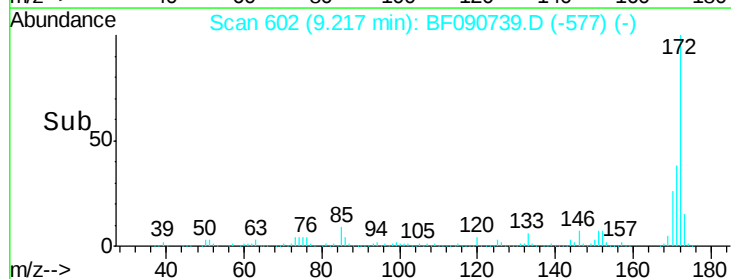
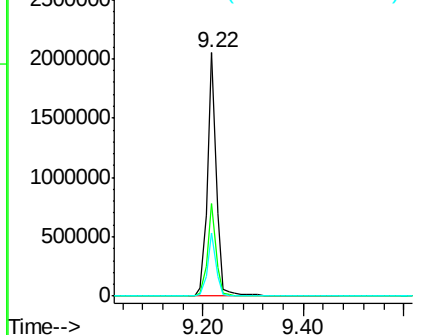


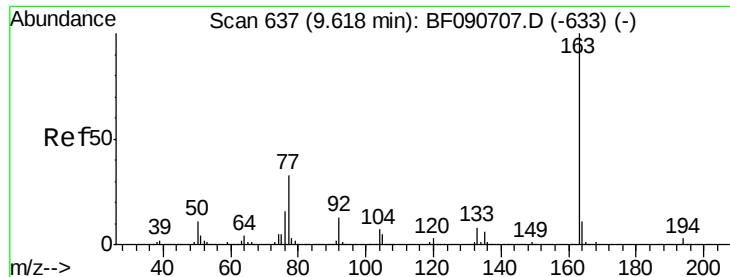
#44  
 2-Fluorobiphenyl  
 Concen: 70.09 ng  
 RT: 9.22 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF090739.D  
 Acq: 22 Oct 2016 4:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 26.1  | 39.1  |
| 170     | 26.0  | 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: 3.58 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090739.D

Acq: 22 Oct 2016 4:39

Instrument :

BNA\_F

ClientSampleId :

MW-105I

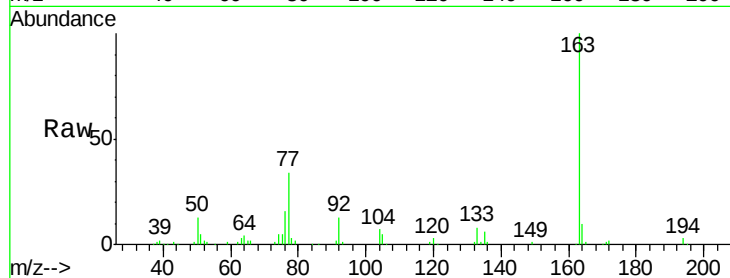
Tot Ion:163 Resp: 127700

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

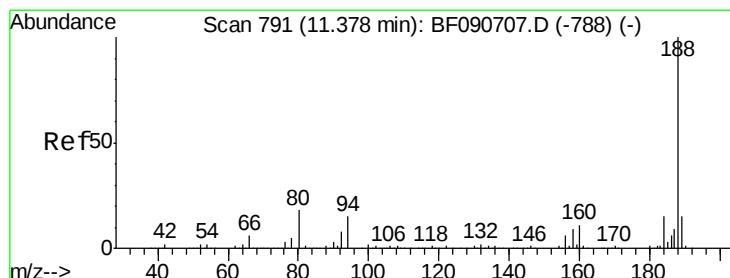
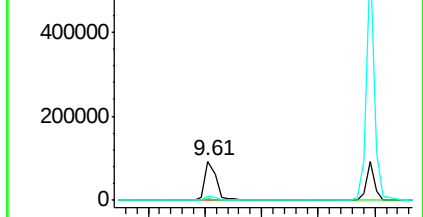
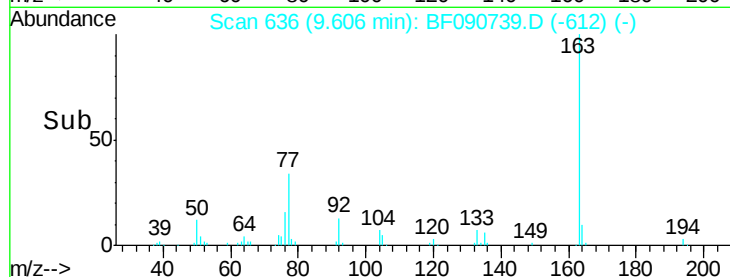
164 9.9 8.3 12.5



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: BF090739.D

Acq: 22 Oct 2016 4:39

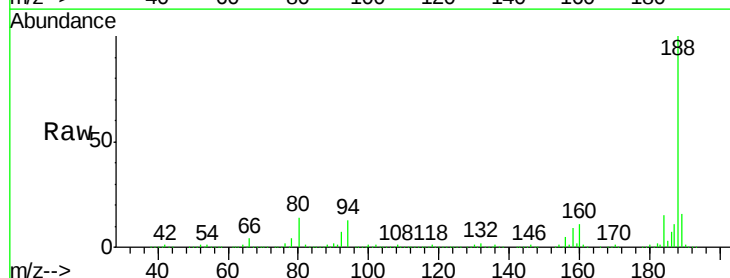
Tgt Ion:188 Resp: 898468

Ion Ratio Lower Upper

188 100

94 12.6 11.1 16.7

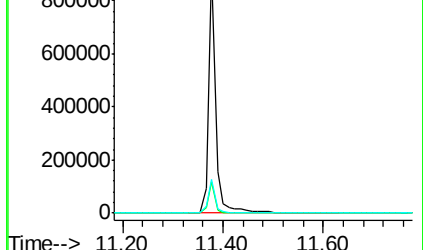
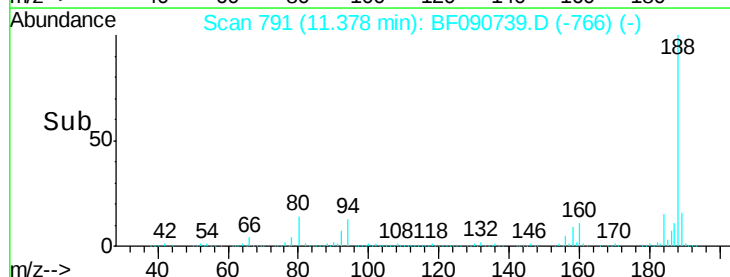
80 14.0 11.0 16.4



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: BF090739.D

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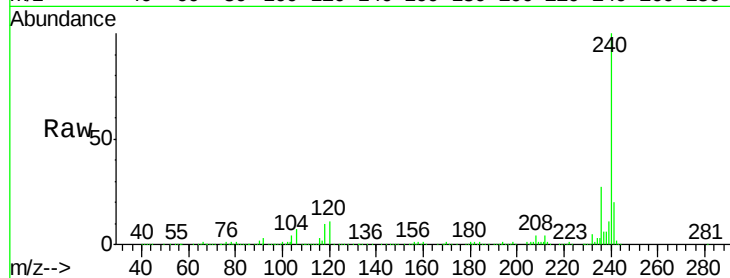
Tot Ion:240 Resp: 587947

Ion Ratio Lower Upper

240 100

120 11.2 16.2 24.2#

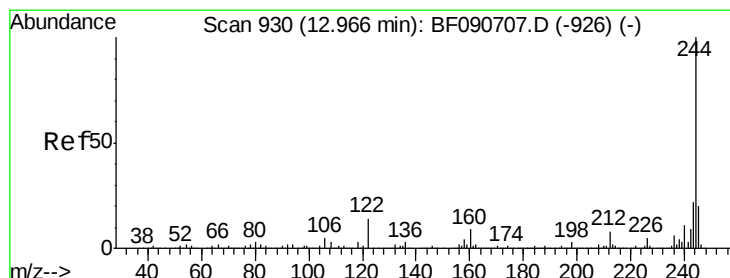
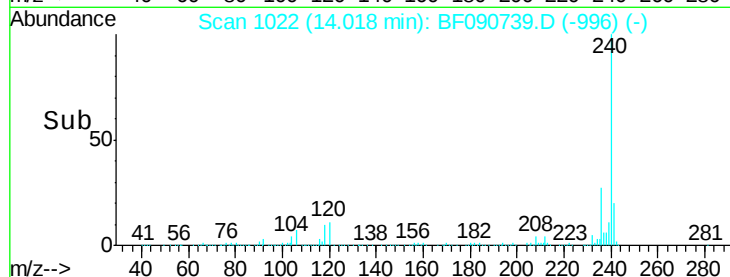
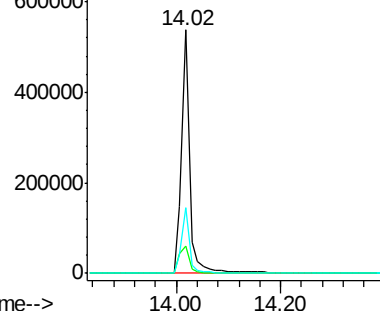
236 27.0 18.4 27.6



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



#78

Terphenyl-d14

Concen: 106.03 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090739.D

Acq: 22 Oct 2016 4:39

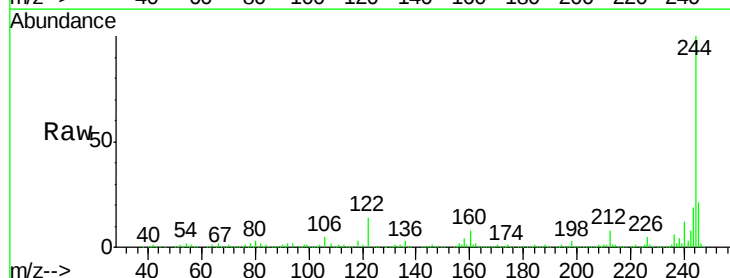
Tgt Ion:244 Resp: 2720058

Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

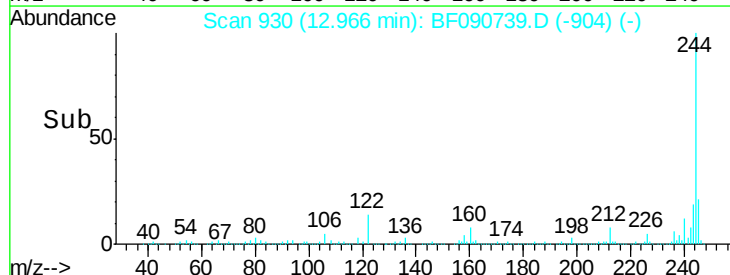
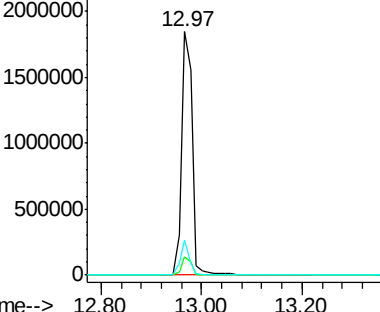
122 14.4 17.4 26.2#

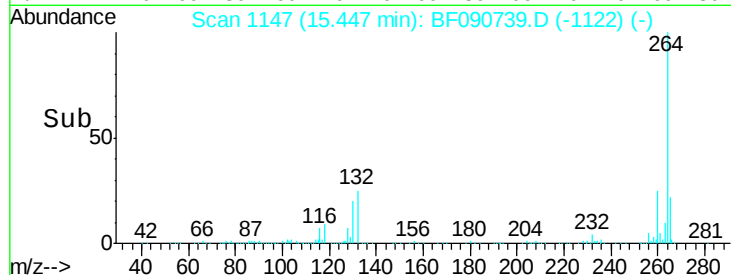
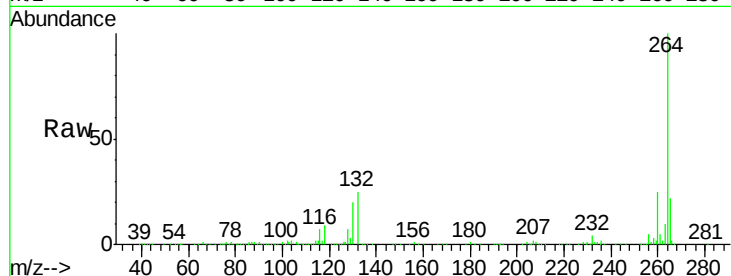
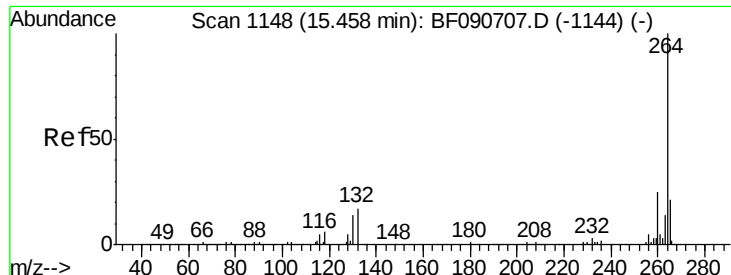


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.45 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF090739.D  
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Instrument :  
BNA\_F  
ClientSampleId :  
MW-105I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 16.7  | 25.1  |
| 265     | 21.8  | 17.2  | 25.8  |

