

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122716\  
 Data File : BF091973.D  
 Acq On : 27 Dec 2016 17:47  
 Operator : UM/SJ  
 Sample : H6241-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Quant Time: Dec 28 00:49:26 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 16:17:51 2016  
 Response via : Initial Calibration

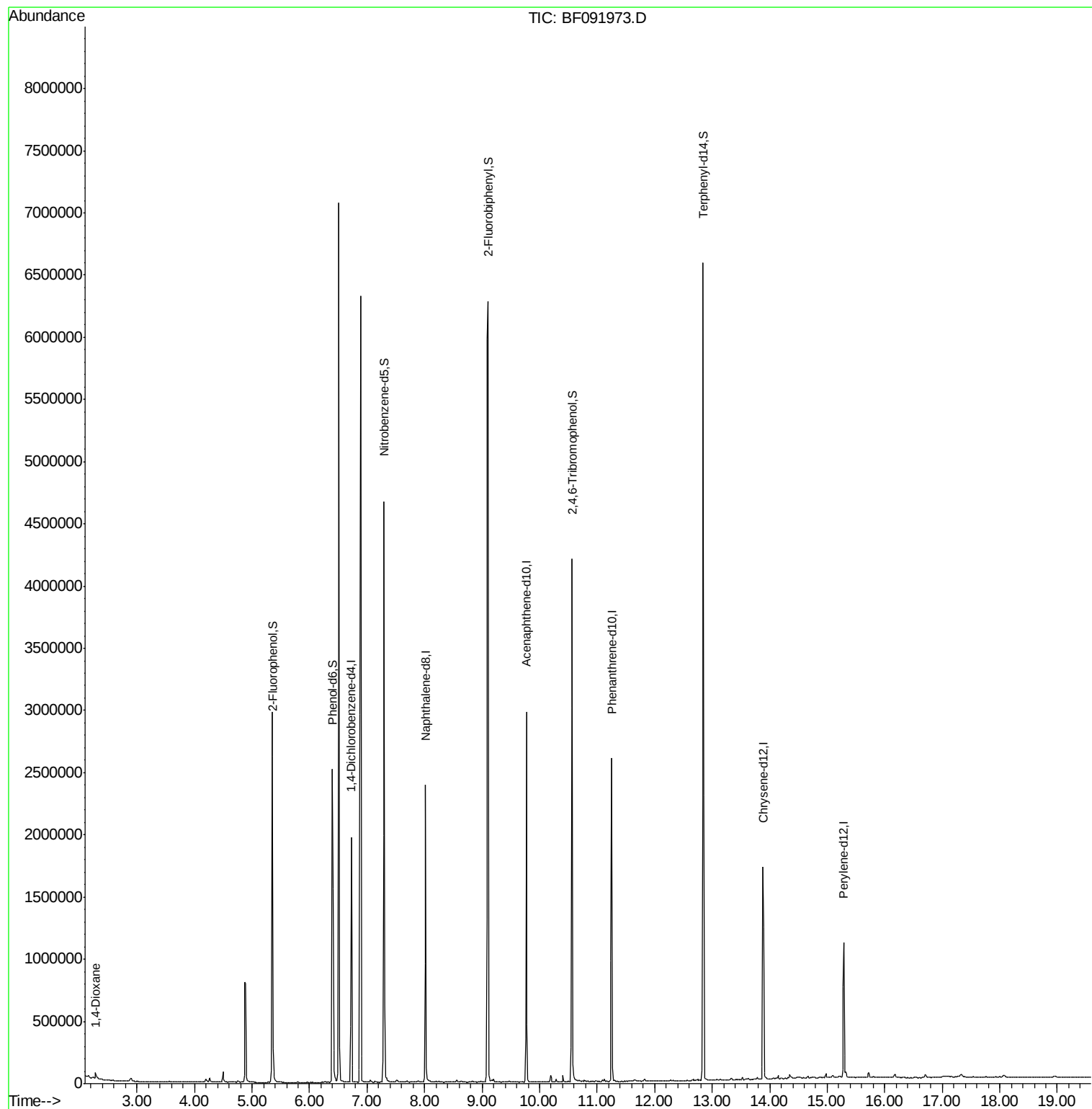
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 294946   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 8.02  | 136  | 1231903  | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.77  | 164  | 620840   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.25 | 188  | 1015211  | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.88 | 240  | 782792   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 15.29 | 264  | 529433   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1269663  | 71.88  | ng    | 0.01           |
| 7) Phenol-d6                | 6.40  | 99   | 1194217  | 55.37  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1833938  | 82.78  | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 662154   | 128.88 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 3216765  | 109.95 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.84 | 244  | 2557593  | 79.24  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 2) 1,4-Dioxane              | 2.28  | 88   | 27116    | 3.12   | ng    | Qvalue<br># 94 |

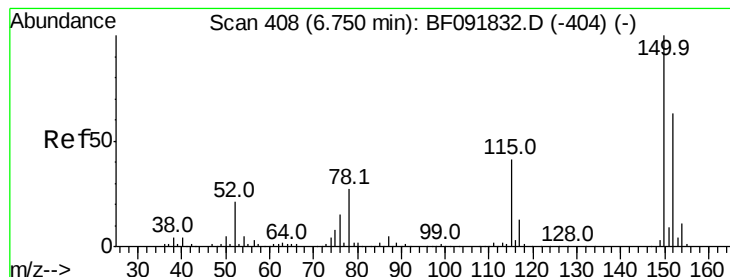
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-3

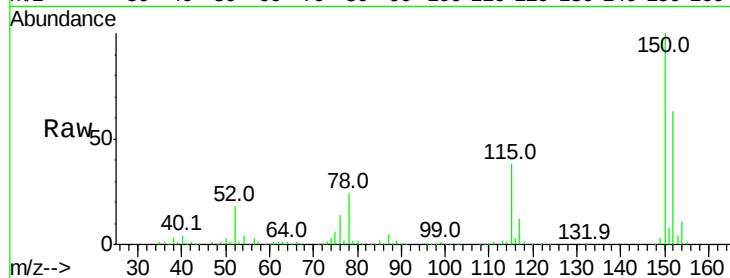
Tot Ion:152 Resp: 294946

Ion Ratio Lower Upper

152 100

150 158.7 124.9 187.3

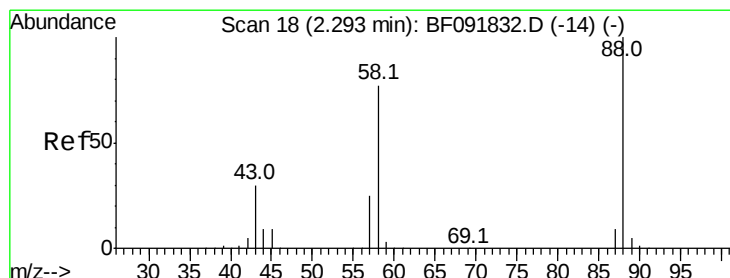
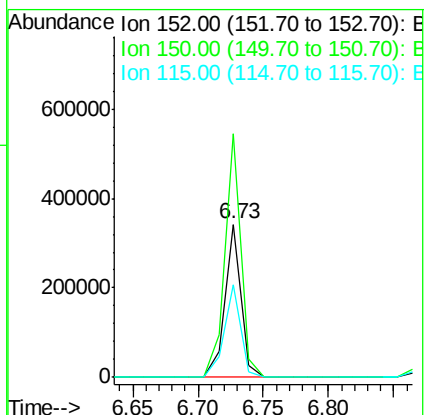
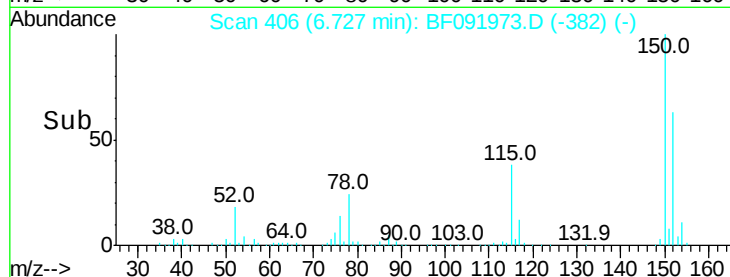
115 60.3 46.0 69.0



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



#2

1,4-Dioxane

Concen: 3.12 ng

RT: 2.28 min Scan# 17

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

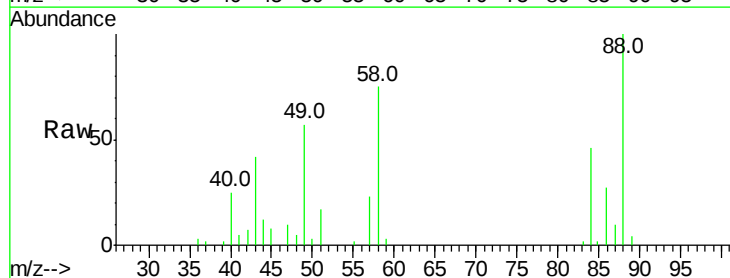
Tgt Ion: 88 Resp: 27116

Ion Ratio Lower Upper

88 100

58 69.7 57.8 86.8

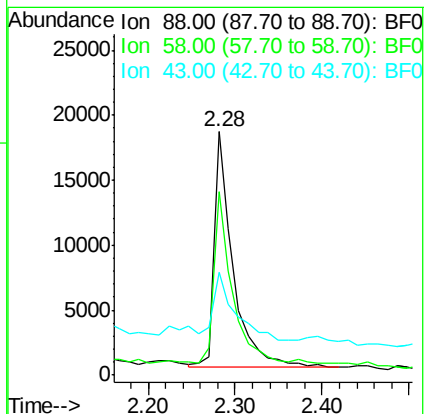
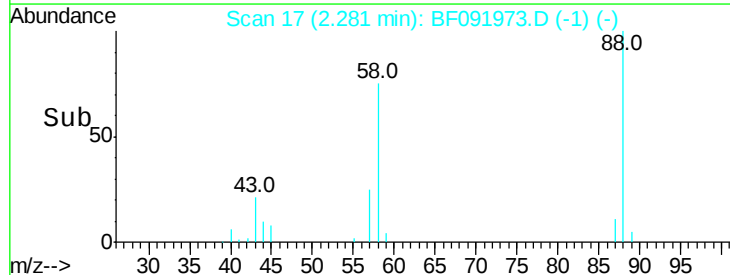
43 34.2 22.3 33.5#

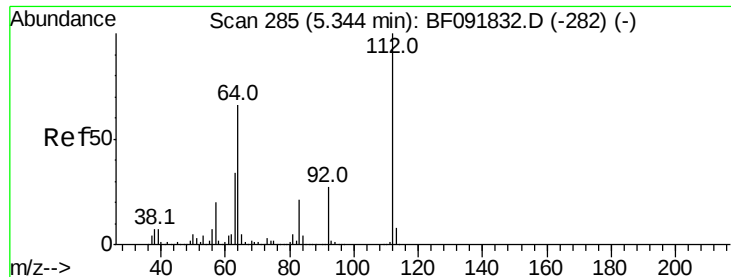


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 71.88 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-3

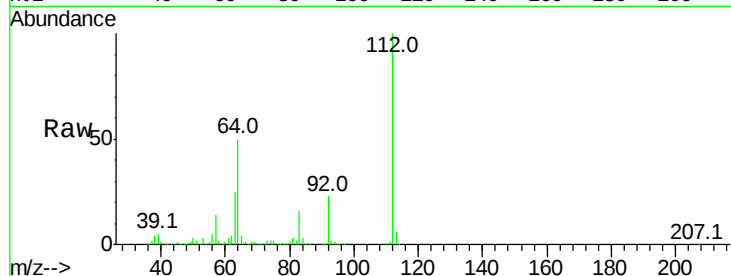
Tot Ion:112 Resp: 1269663

Ion Ratio Lower Upper

112 100

64 49.9 46.1 69.1

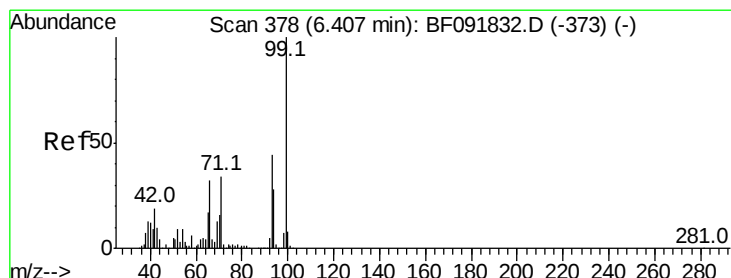
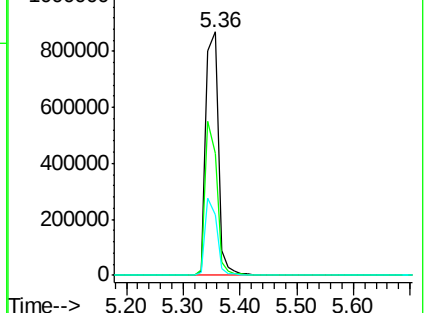
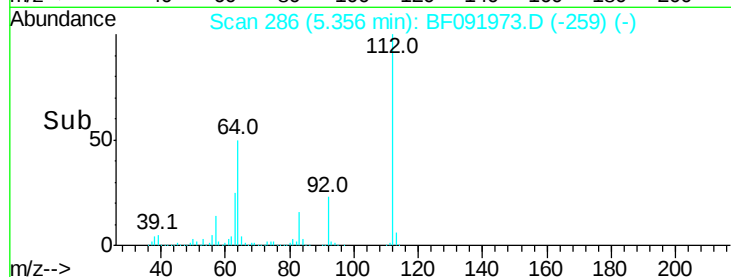
63 24.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 55.37 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

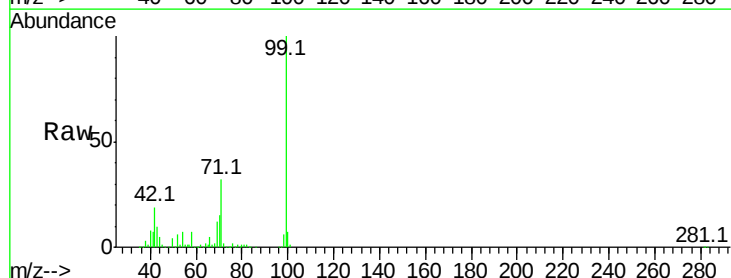
Tgt Ion: 99 Resp: 1194217

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

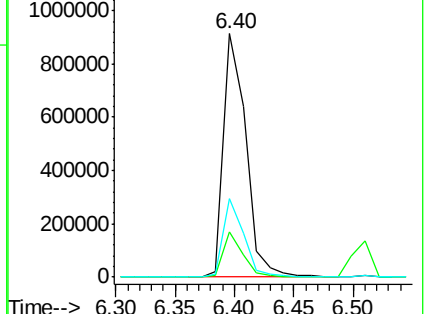
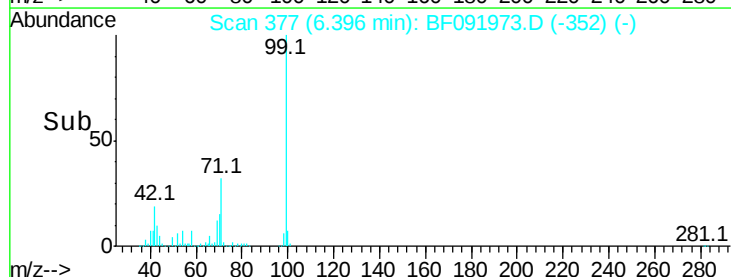
71 32.2 27.5 41.3

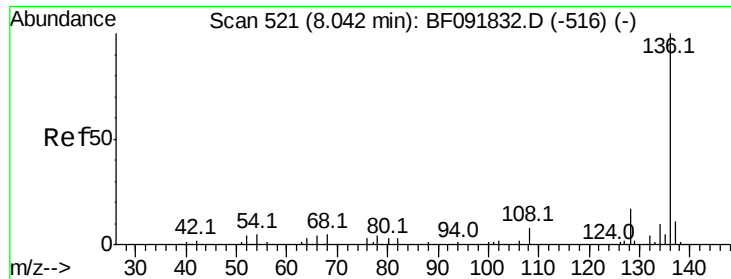


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



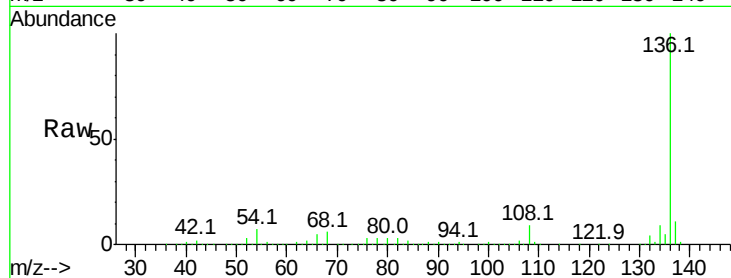


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.02 min Scan# 519  
Delta R.T. -0.02 min  
Lab File: BF091973.D  
Acq: 27 Dec 2016 17:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

Tot Ion:136 Resp: 1231903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.4   | 12.6  |
| 54  | 6.9   | 4.5   | 6.7#  |
| 68  | 5.9   | 3.6   | 5.4#  |

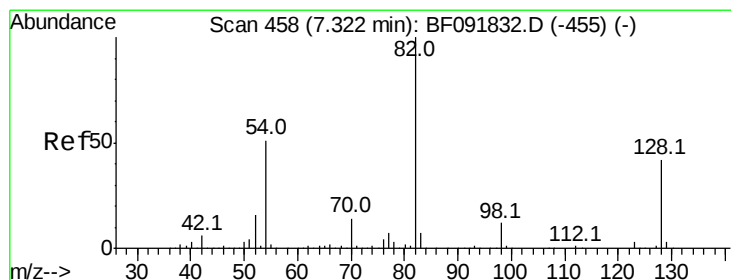
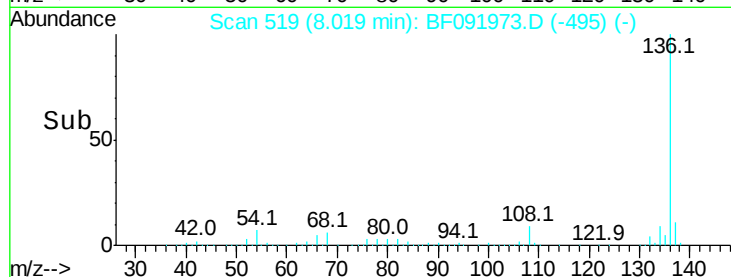
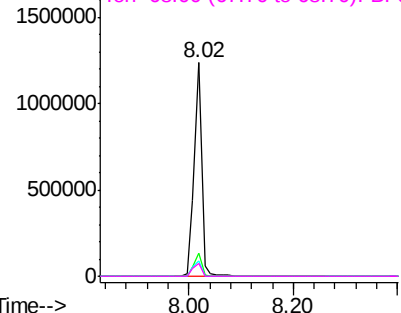


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

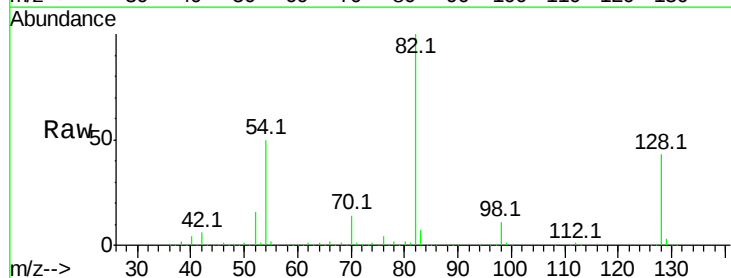
Ion 68.00 (67.70 to 68.70): BF0



#23  
Nitrobenzene-d5  
Concen: 82.78 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.02 min  
Lab File: BF091973.D  
Acq: 27 Dec 2016 17:47

Tgt Ion: 82 Resp: 1833938

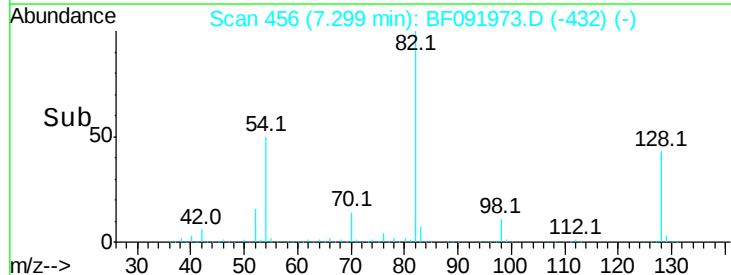
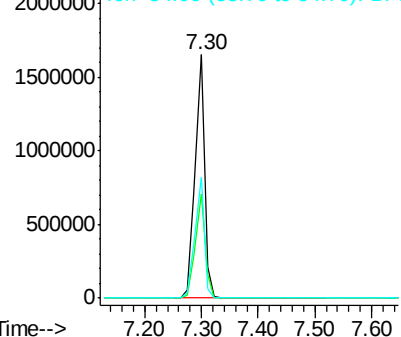
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.6  | 34.6  | 52.0  |
| 54  | 49.8  | 39.5  | 59.3  |

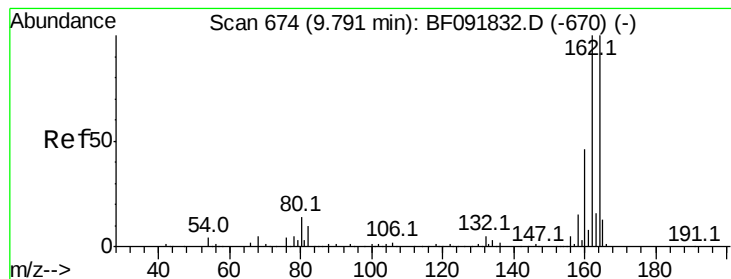


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-3

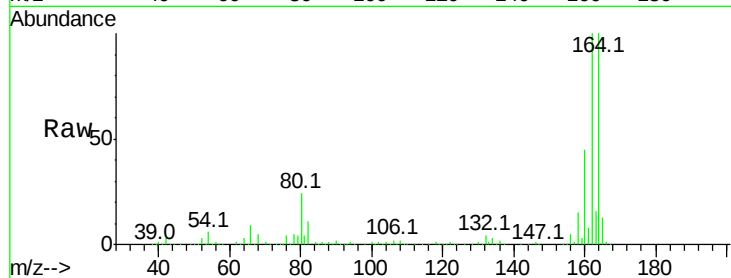
Tot Ion:164 Resp: 620840

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.2

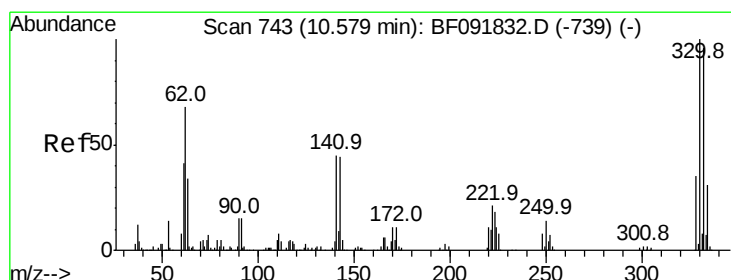
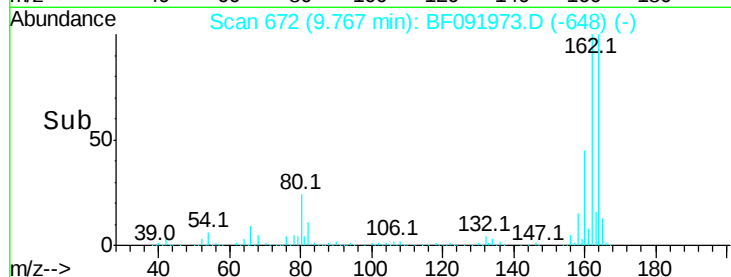
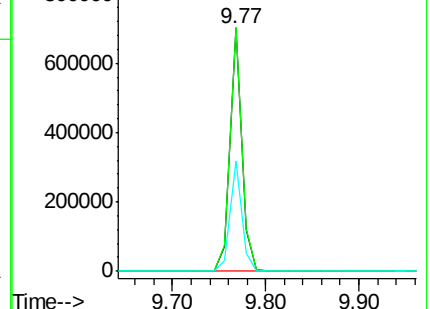
160 45.5 36.9 55.3



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: 128.88 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

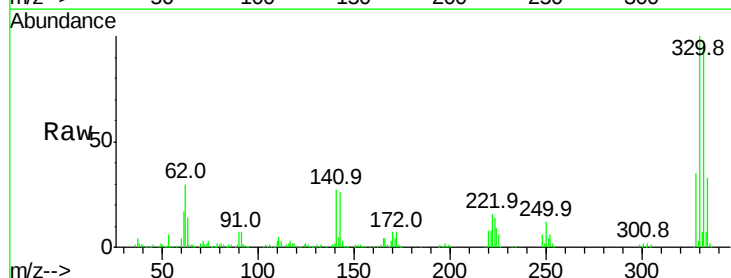
Tgt Ion:330 Resp: 662154

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.2

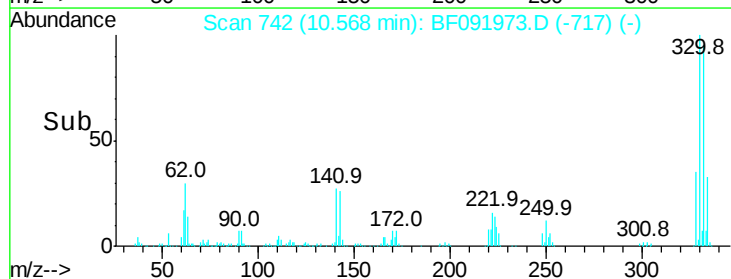
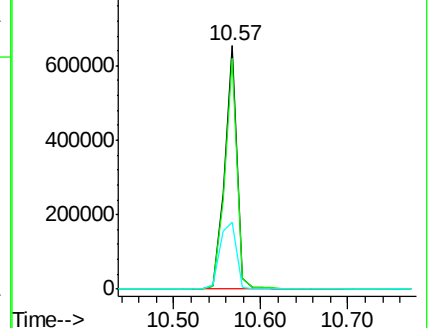
141 37.4 34.1 51.1

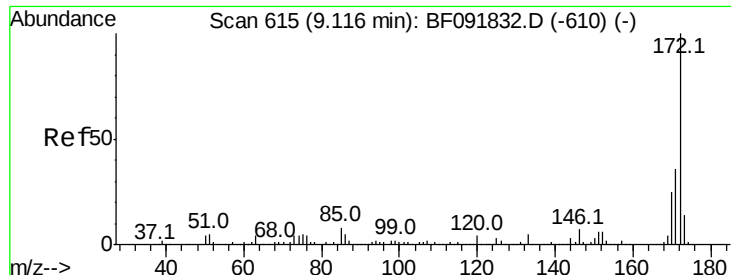


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



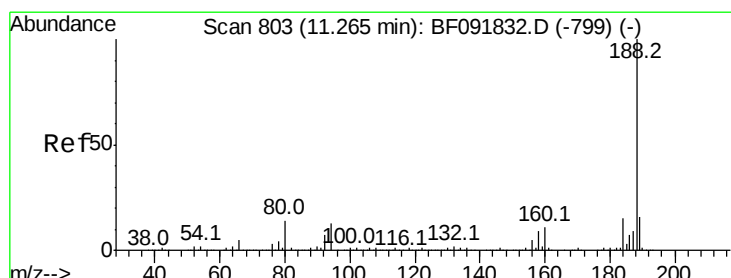
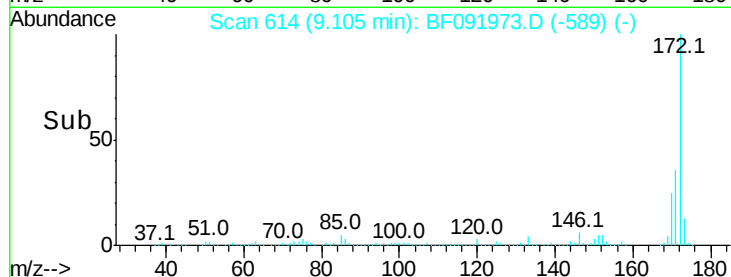
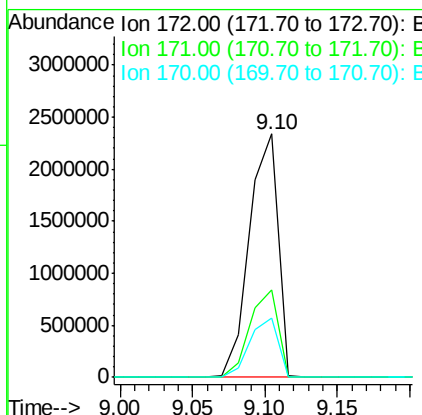
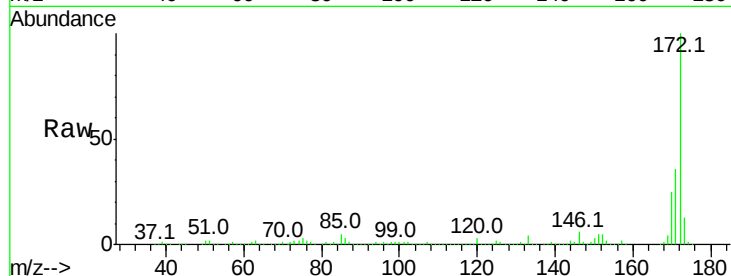


#44  
 2-Fluorobiphenyl  
 Concen: 109.95 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.01 min  
 Lab File: BF091973.D  
 Acq: 27 Dec 2016 17:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Tot Ion:172 Resp: 3216765  

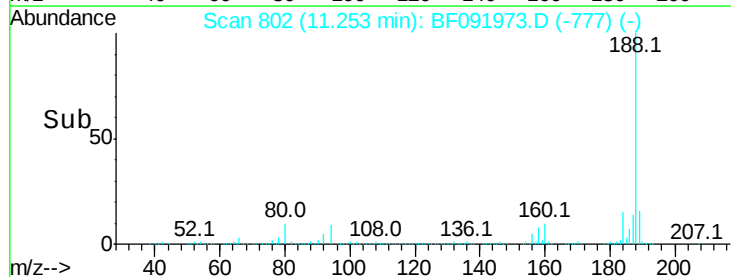
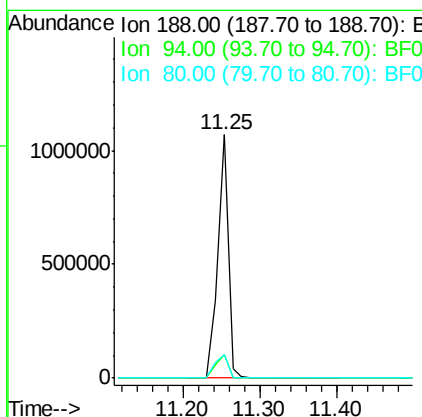
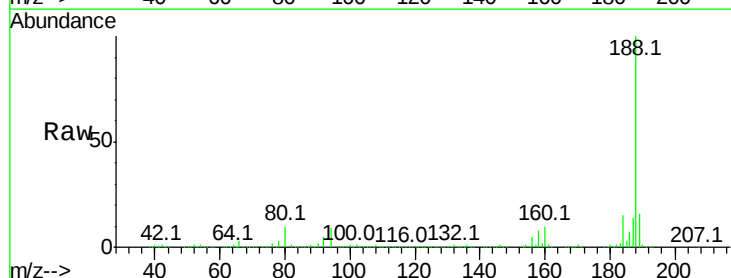
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.1  | 29.4  | 44.0  |
| 170 | 24.6  | 20.2  | 30.4  |

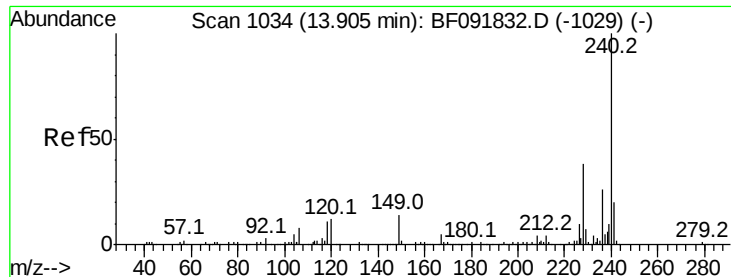


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.25 min Scan# 802  
 Delta R.T. -0.01 min  
 Lab File: BF091973.D  
 Acq: 27 Dec 2016 17:47

Tgt Ion:188 Resp: 1015211  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.4   | 10.0  | 15.0# |
| 80  | 9.7   | 11.2  | 16.8# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-3

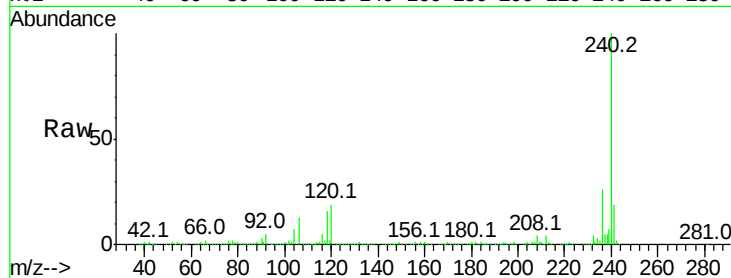
Tot Ion:240 Resp: 782792

Ion Ratio Lower Upper

240 100

120 18.7 12.9 19.3

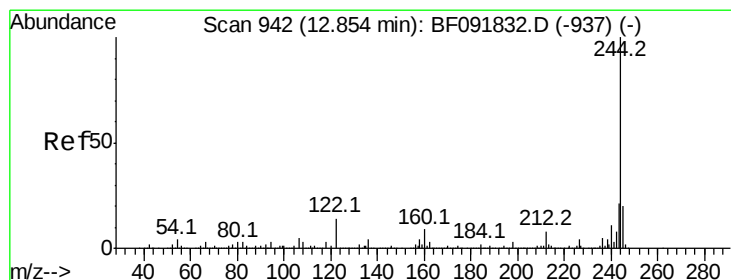
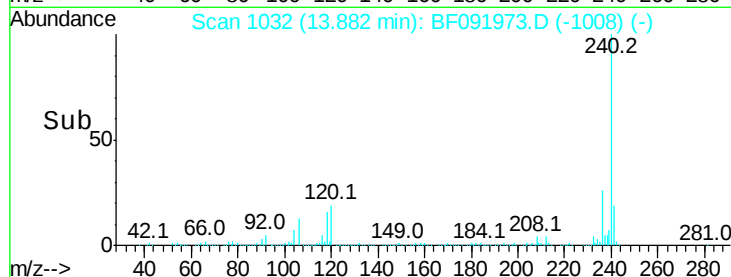
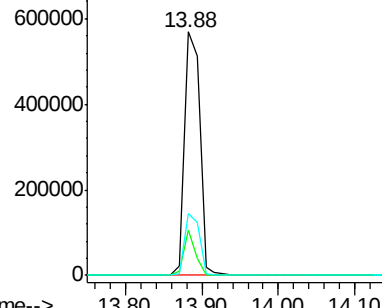
236 25.6 20.9 31.3



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: 79.24 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

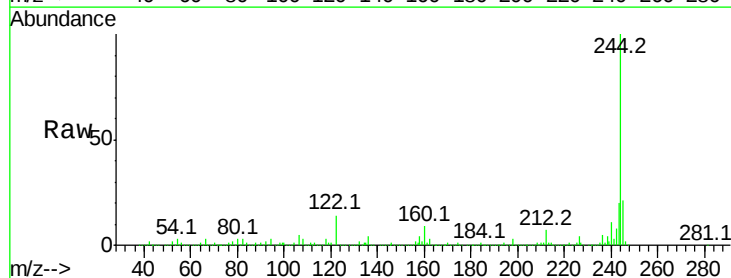
Tgt Ion:244 Resp: 2557593

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

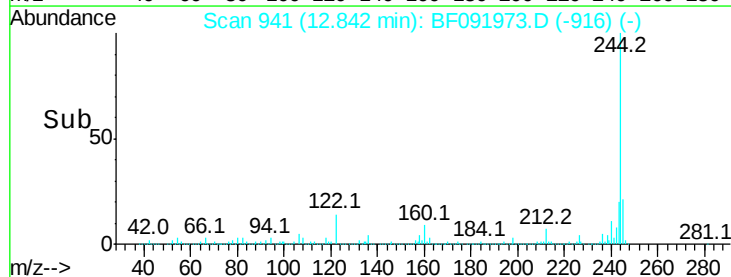
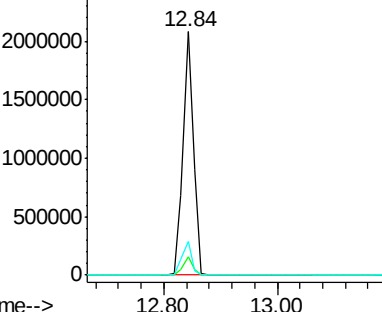
122 14.1 11.4 17.2

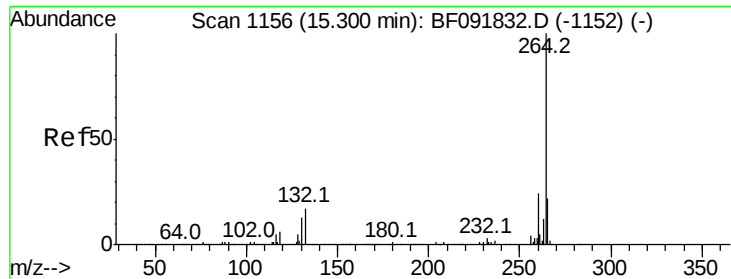


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF091973.D  
Acq: 27 Dec 2016 17:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.8  | 17.4  | 26.0  |

