

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013117\  
 Data File : BF092700.D  
 Acq On : 1 Feb 2017 00:03  
 Operator : SJ/MA  
 Sample : I1596-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

Quant Time: Feb 01 01:11:44 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

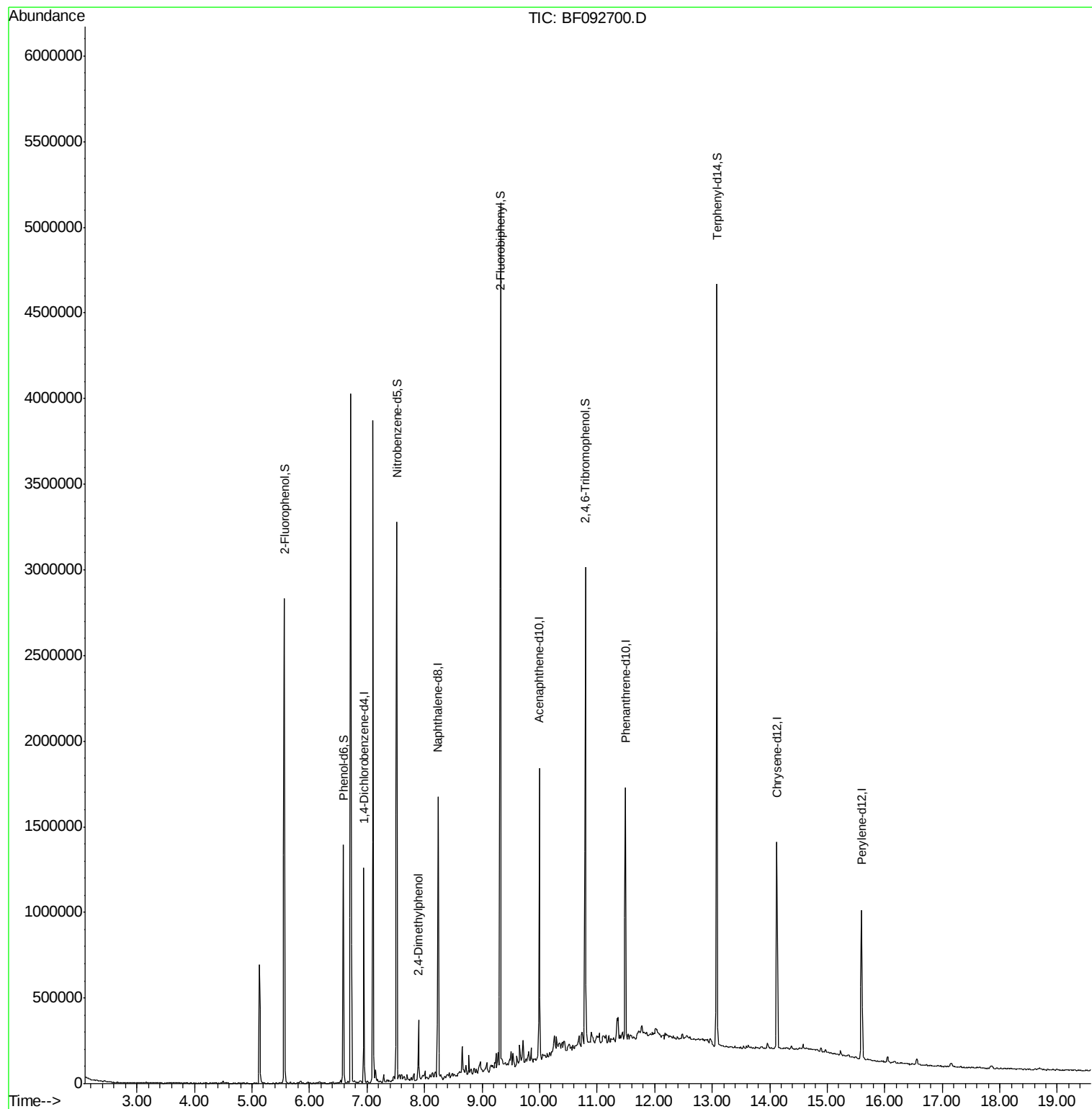
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 172714   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.24  | 136  | 688720   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 356884   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 627955   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.12 | 240  | 496483   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.60 | 264  | 402739   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 810492   | 80.51  | ng    | -0.01    |
| 7) Phenol-d6                | 6.59  | 99   | 698760   | 53.95  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 1183501  | 95.69  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 339785   | 131.64 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1930054  | 97.98  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 1642025  | 77.71  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 27) 2,4-Dimethylphenol      | 7.89  | 122  | 65551    | 6.18   | ng    | 95       |

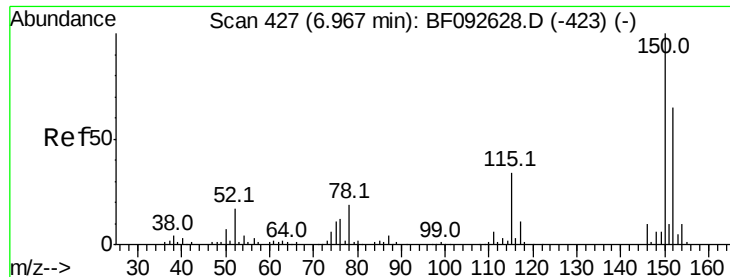
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 30 14:50:05 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampleId :

MW-05

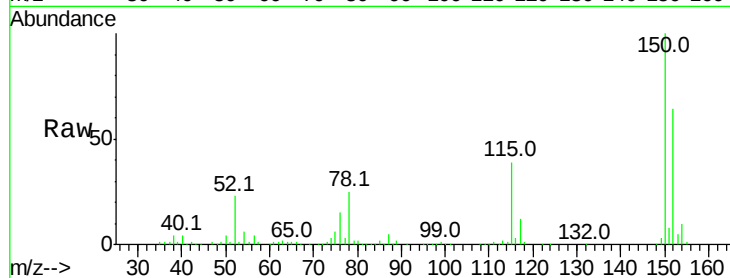
Tot Ion:152 Resp: 172714

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

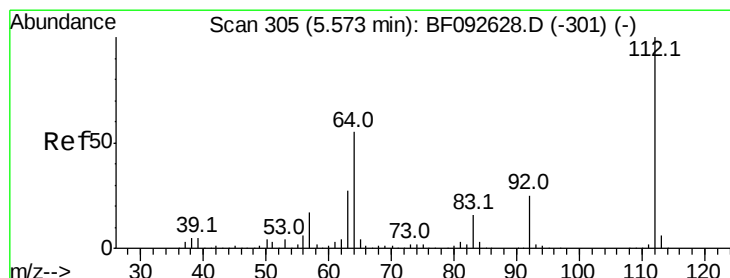
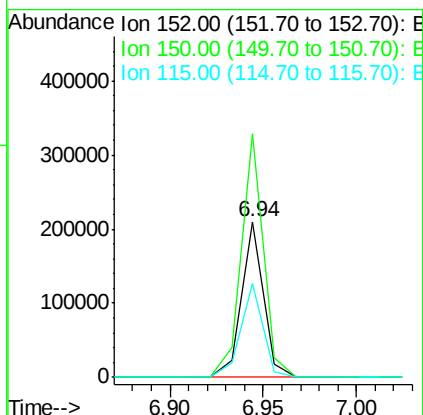
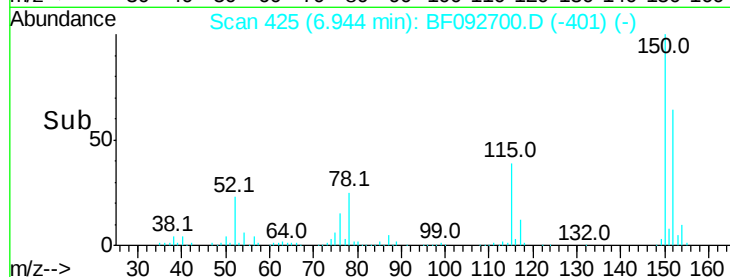
115 60.3 46.0 69.0



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



#5

2-Fluorophenol

Concen: 80.51 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

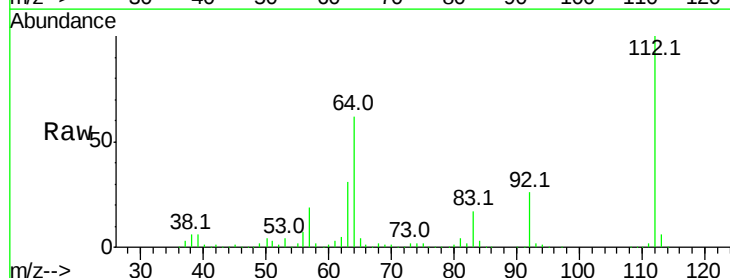
Tgt Ion:112 Resp: 810492

Ion Ratio Lower Upper

112 100

64 61.8 46.1 69.1

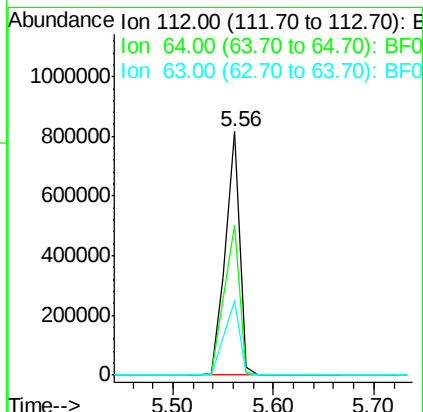
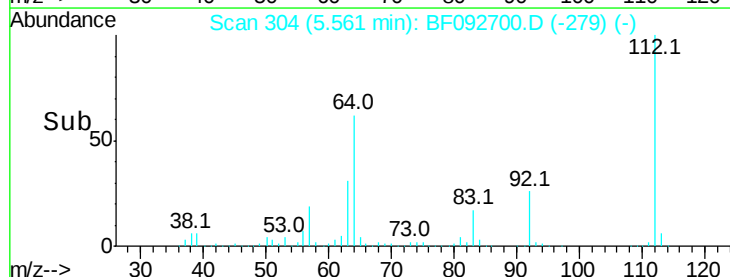
63 30.7 23.8 35.6

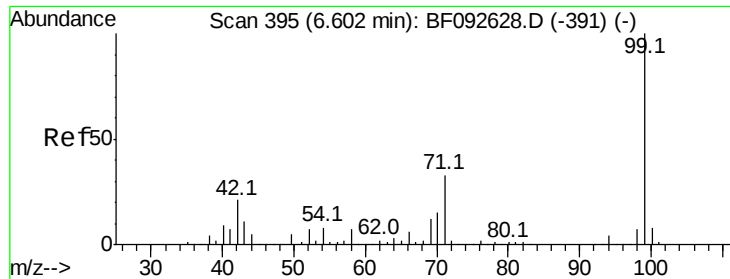


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.95 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampled :

MW-05

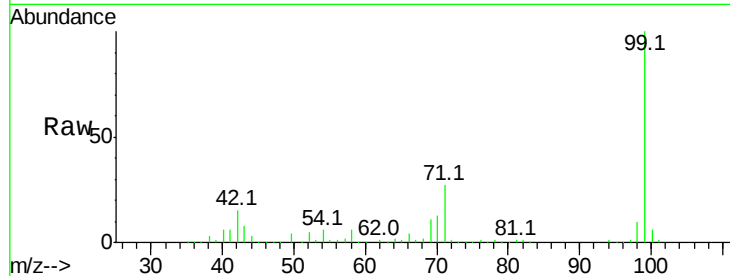
Tot Ion: 99 Resp: 698760

Ion Ratio Lower Upper

99 100

42 14.8 15.6 23.4#

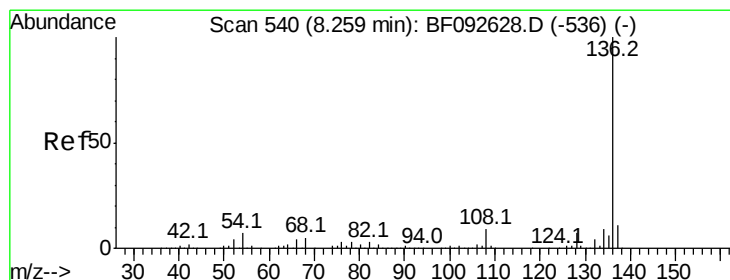
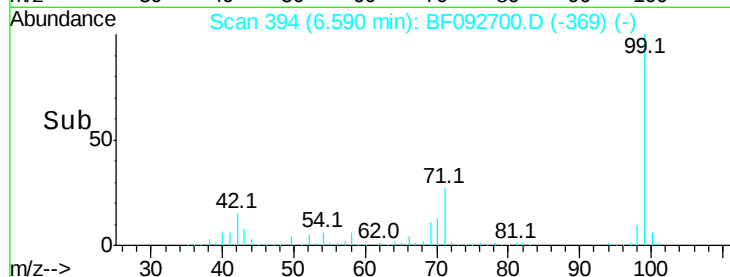
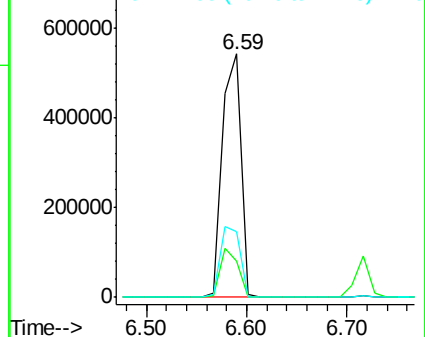
71 26.9 27.5 41.3#



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: 8.24 min Scan# 538

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Tgt Ion: 136 Resp: 688720

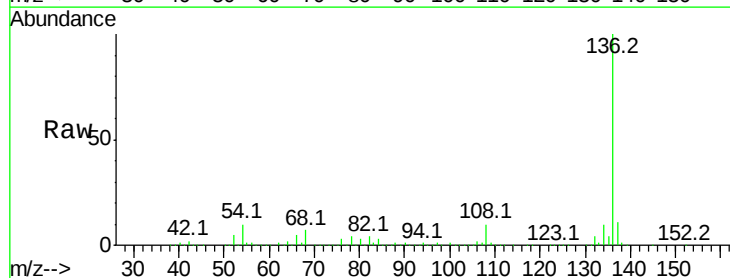
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.2 4.5 6.7#

68 7.3 3.6 5.4#

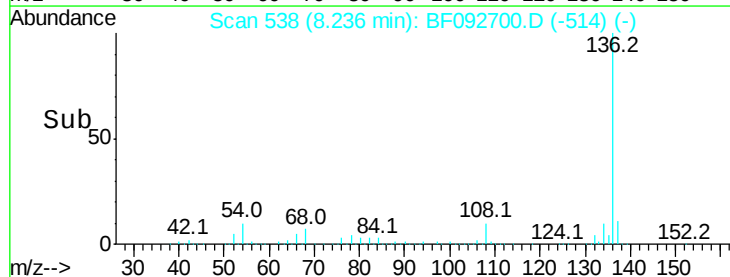
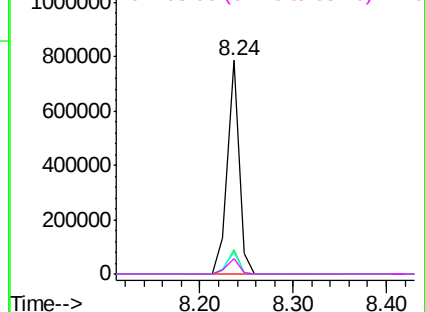


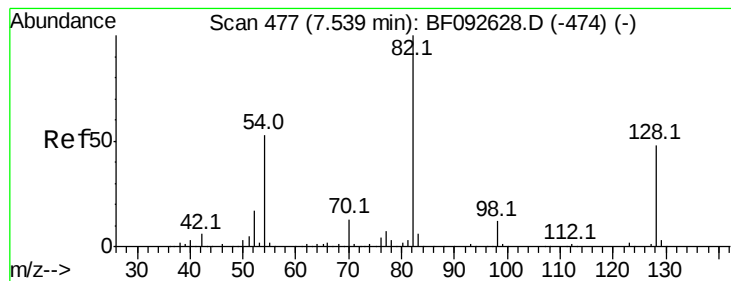
Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.69 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampled :

MW-05

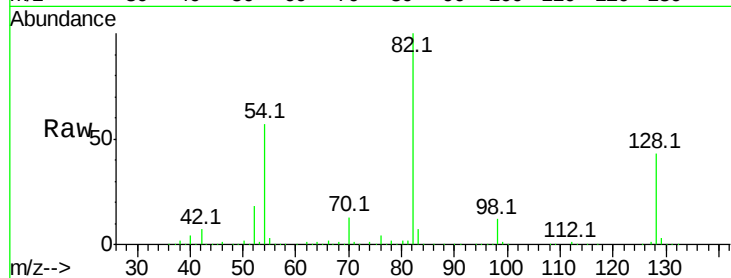
Tot Ion: 82 Resp: 1183501

Ion Ratio Lower Upper

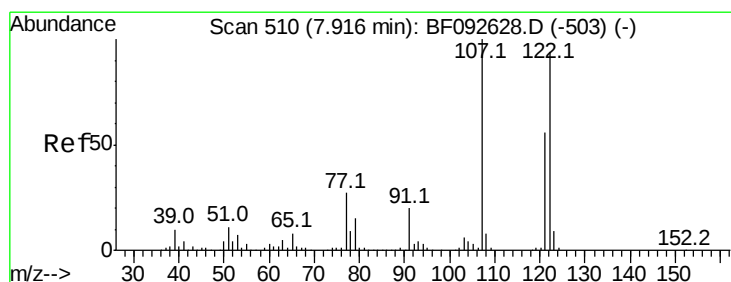
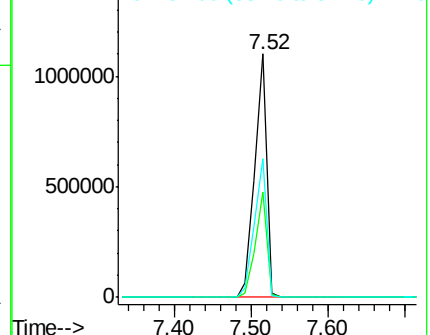
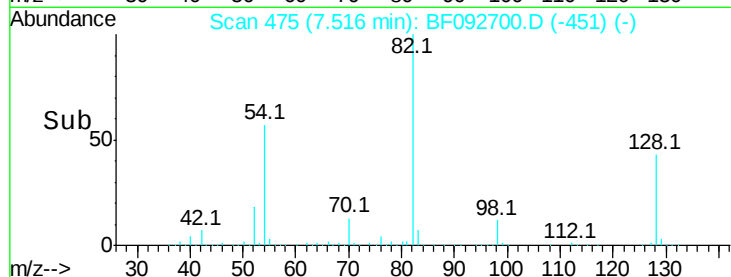
82 100

128 43.1 34.6 52.0

54 57.1 39.5 59.3



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



#27

2,4-Dimethylphenol

Concen: 6.18 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

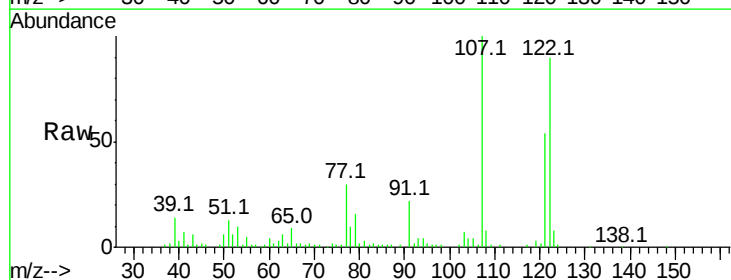
Tgt Ion:122 Resp: 65551

Ion Ratio Lower Upper

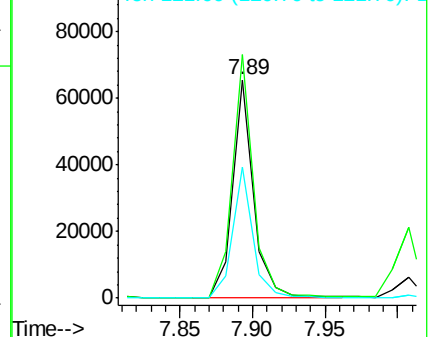
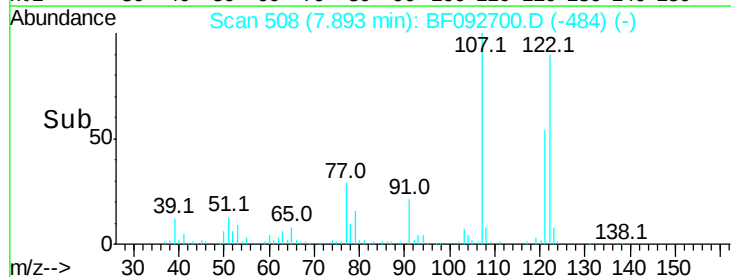
122 100

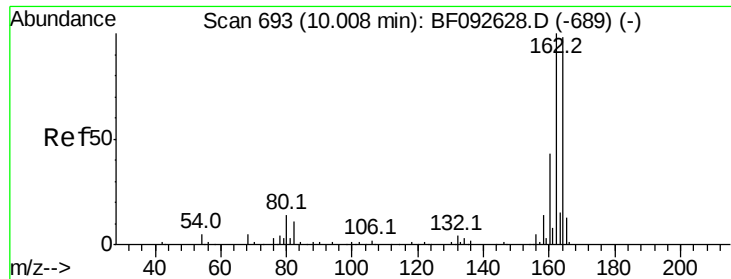
107 111.5 94.1 141.1

121 59.8 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): BF0  
Ion 107.00 (106.70 to 107.70): BF0  
Ion 121.00 (120.70 to 121.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampled :

MW-05

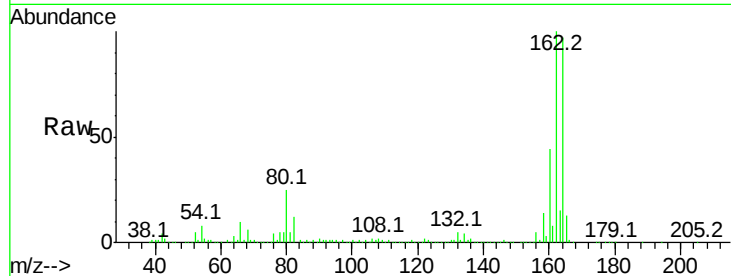
Tot Ion:164 Resp: 356884

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

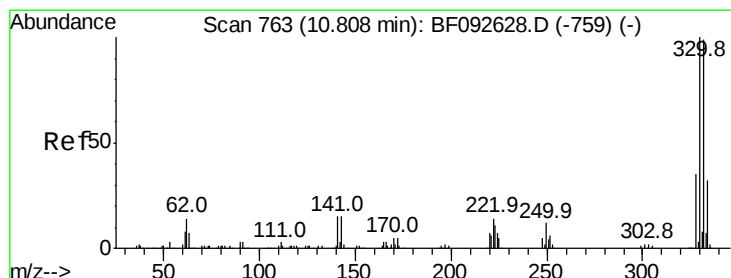
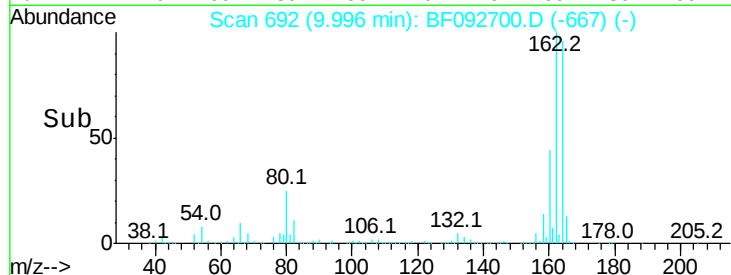
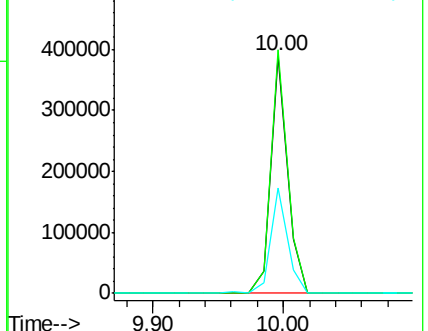
160 44.6 36.9 55.3



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: 131.64 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

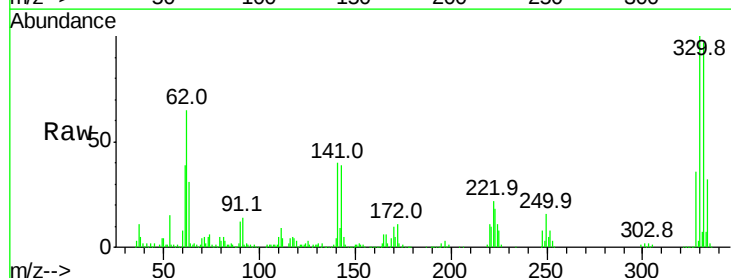
Tgt Ion:330 Resp: 339785

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

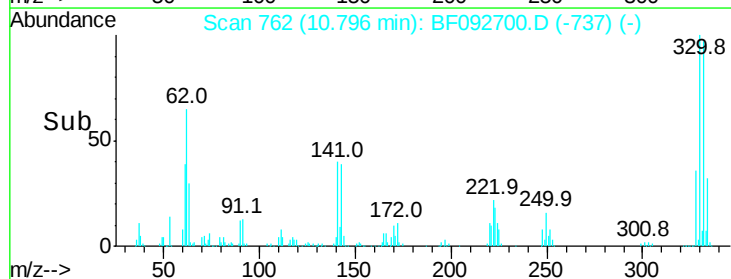
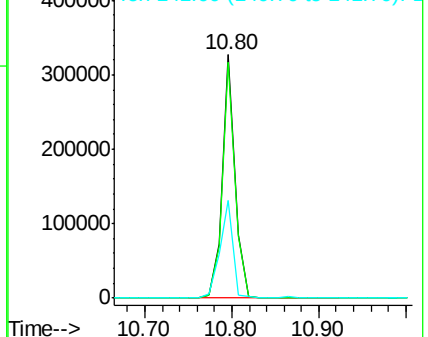
141 40.7 34.1 51.1



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



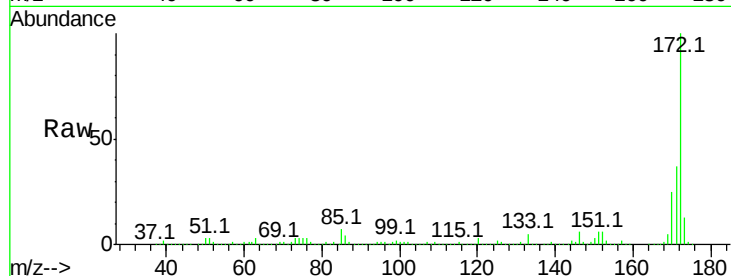


#44  
 2-Fluorobiphenyl  
 Concen: 97.98 ng  
 RT: 9.32 min Scan# 633  
 Delta R.T. -0.01 min  
 Lab File: BF092700.D  
 Acq: 1 Feb 2017 00:03

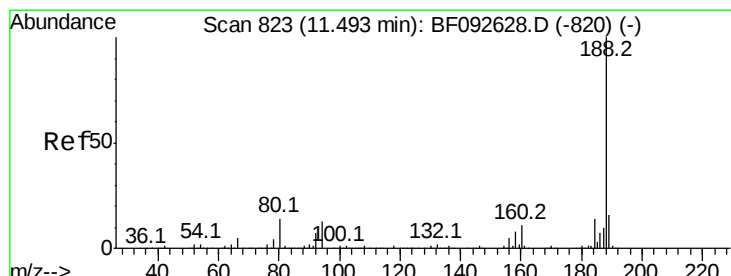
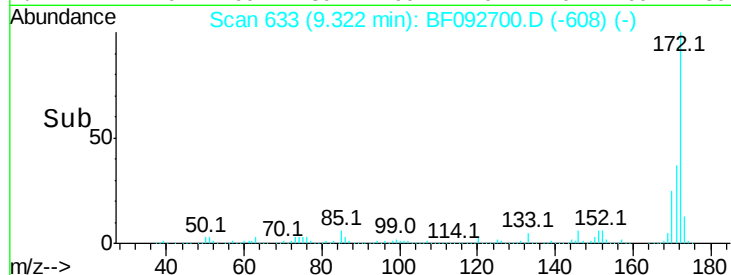
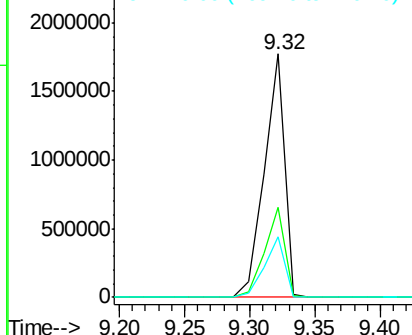
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

Tot Ion:172 Resp: 1930054  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 29.4  | 44.0  |
| 170 | 24.7  | 20.2  | 30.4  |



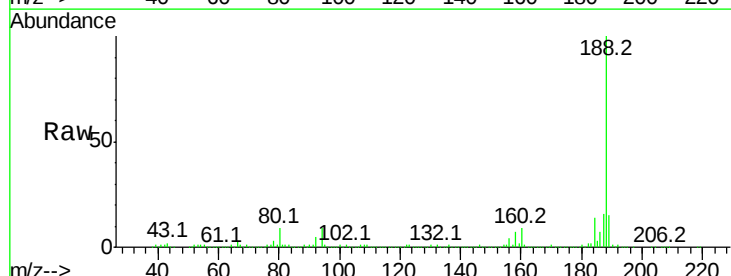
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



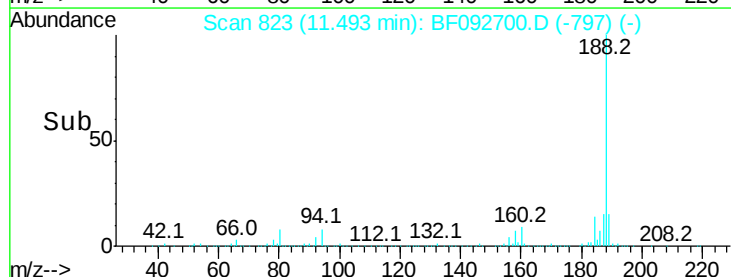
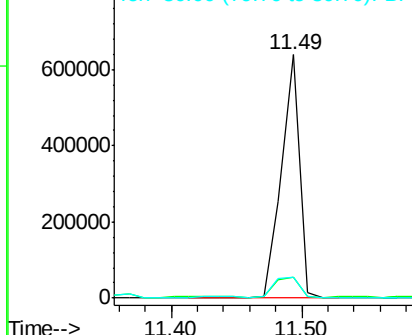
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.49 min Scan# 823  
 Delta R.T. -0.00 min  
 Lab File: BF092700.D  
 Acq: 1 Feb 2017 00:03

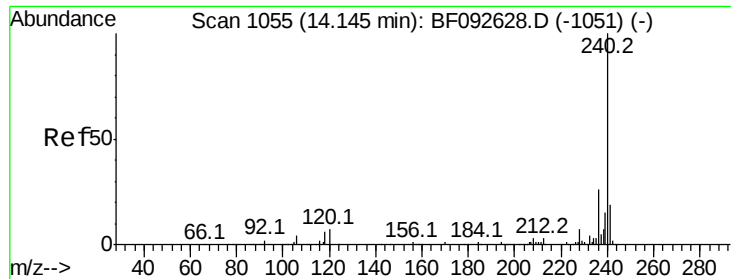
Tgt Ion:188 Resp: 627955  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.6   | 10.0  | 15.0# |
| 80  | 8.7   | 11.2  | 16.8# |



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: 14.12 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampled :

MW-05

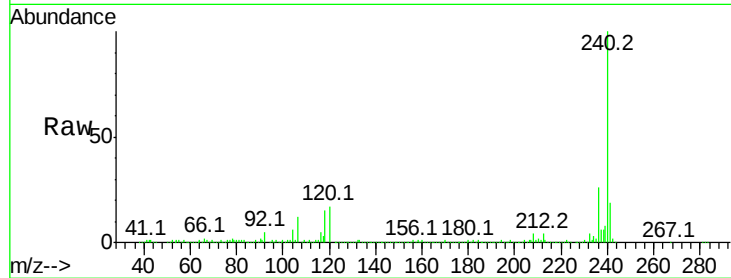
Tot Ion:240 Resp: 496483

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

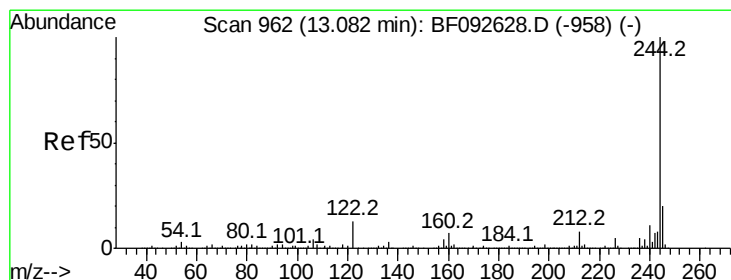
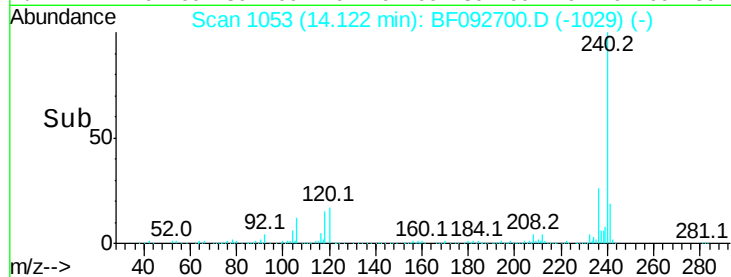
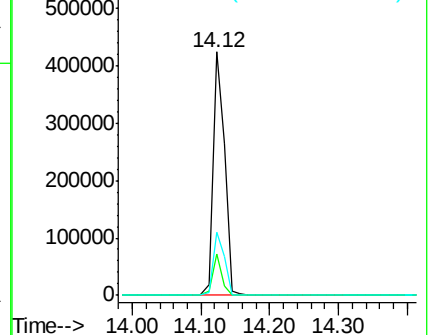
236 26.0 20.9 31.3



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: 77.71 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

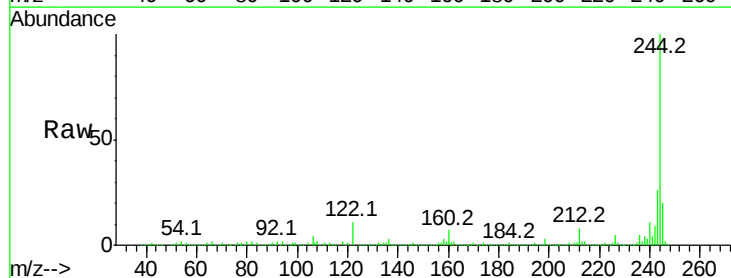
Tgt Ion:244 Resp: 1642025

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

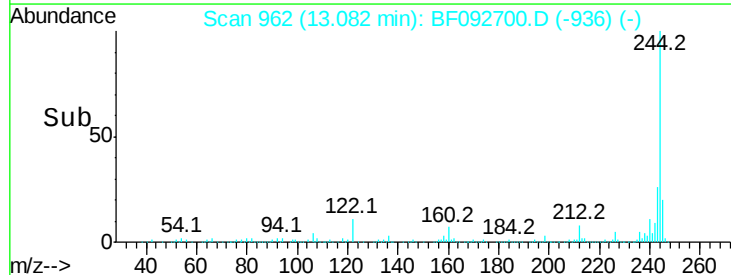
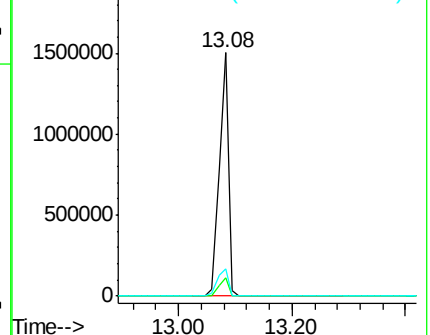
122 11.2 11.4 17.2#

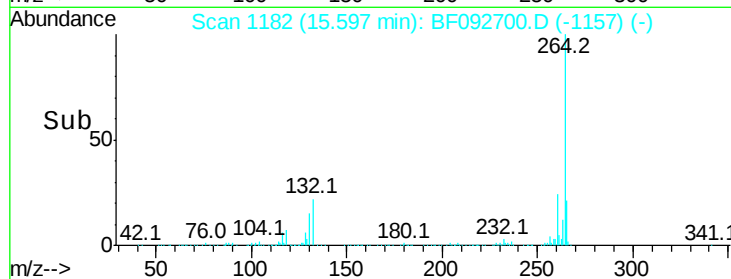
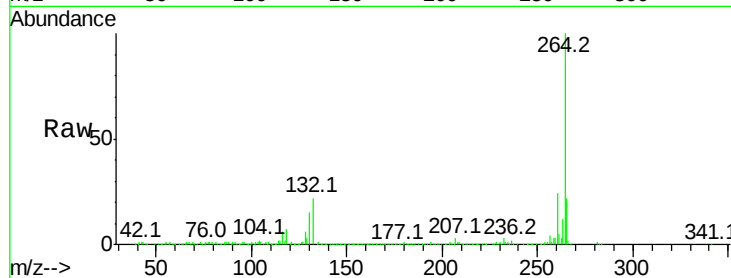
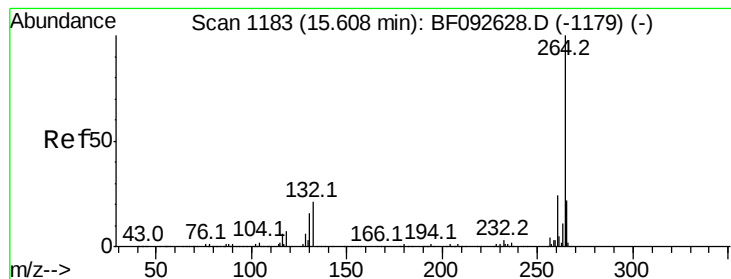


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.60 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA\_F

ClientSampleId :

MW-05

Tot Ion:264 Resp: 402739

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.6 17.4 26.0

