

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\  
 Data File : BF092031.D  
 Acq On : 29 Dec 2016 18:34  
 Operator : UM/SJ  
 Sample : H6301-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Quant Time: Dec 30 00:06:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 17:32:10 2016  
 Response via : Initial Calibration

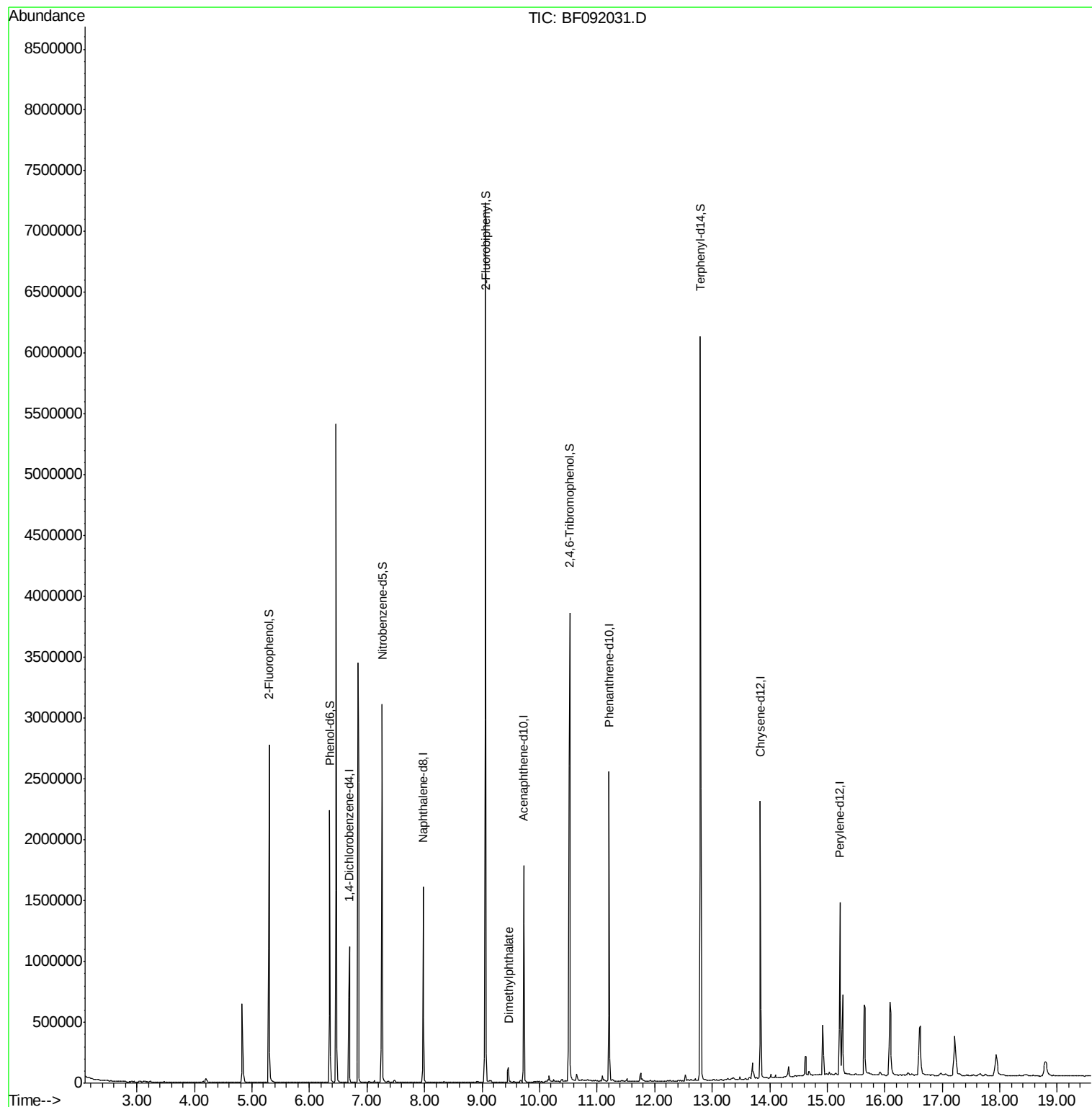
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 217514   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.97  | 136  | 793620   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.72  | 164  | 528323   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 900656   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.84 | 240  | 769744   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.22 | 264  | 619412   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 849801   | 65.23  | ng    | -0.02    |
| 7) Phenol-d6                | 6.35  | 99   | 784418   | 49.32  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 1455904  | 102.01 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 583317   | 133.41 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 2407576  | 94.87  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.80 | 244  | 2380823  | 75.01  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.46  | 163  | 69818    | 2.07   | ng    | 98       |

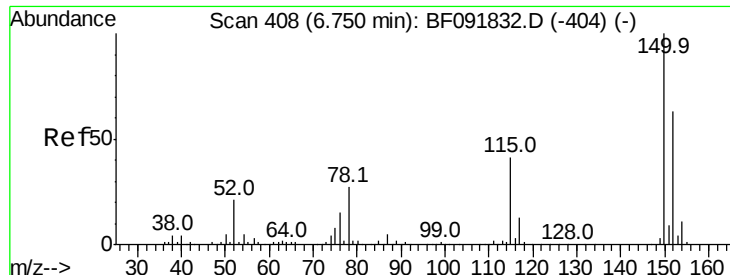
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA\_F

ClientSampleId :

MW-12

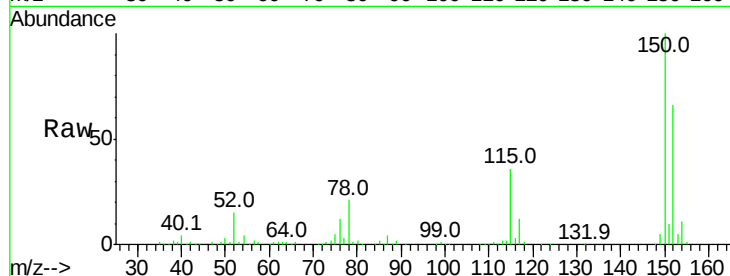
Tot Ion:152 Resp: 217514

Ion Ratio Lower Upper

152 100

150 150.5 124.9 187.3

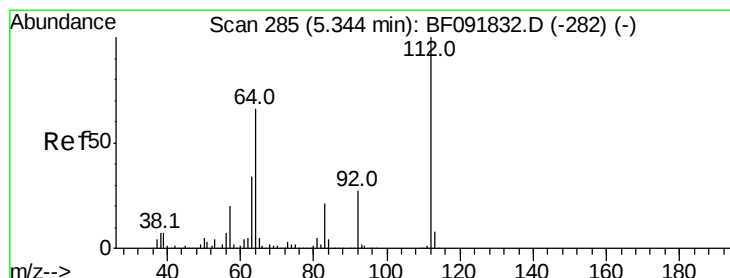
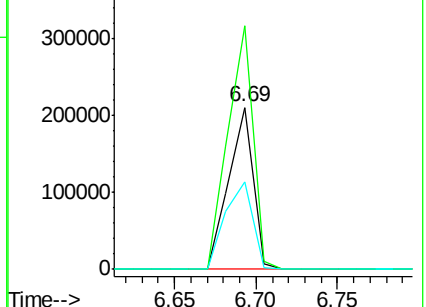
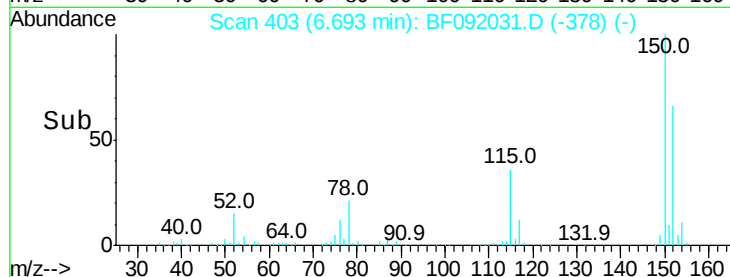
115 54.3 46.0 69.0



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: 65.23 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

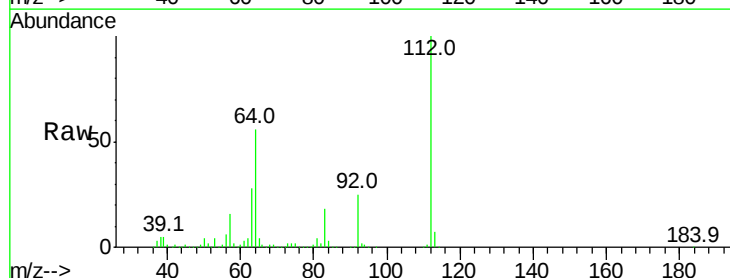
Tgt Ion:112 Resp: 849801

Ion Ratio Lower Upper

112 100

64 56.4 46.1 69.1

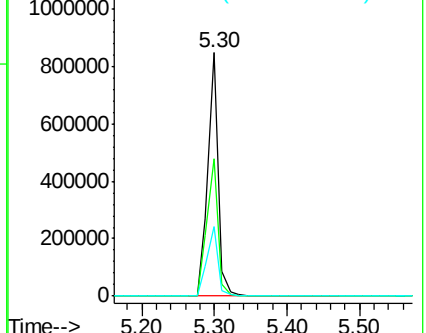
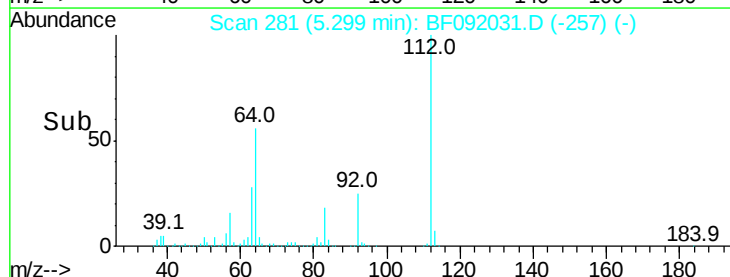
63 28.4 23.8 35.6

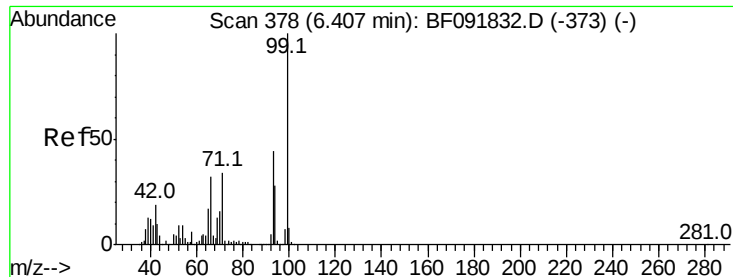


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.32 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA\_F

ClientSampleId :

MW-12

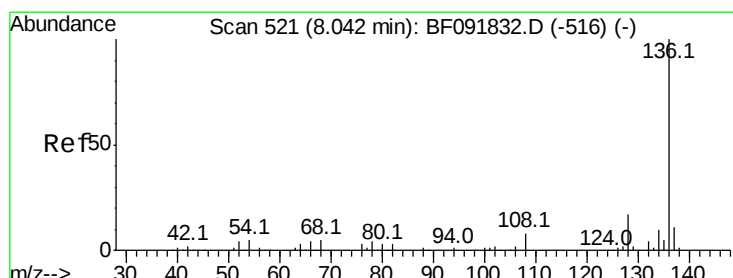
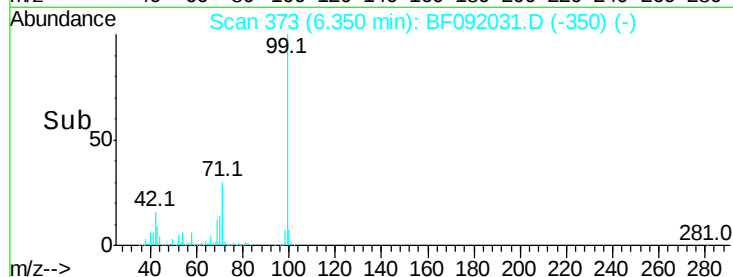
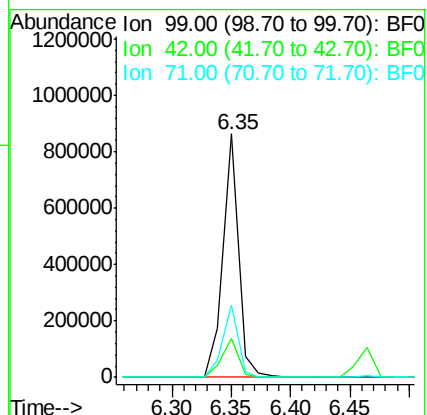
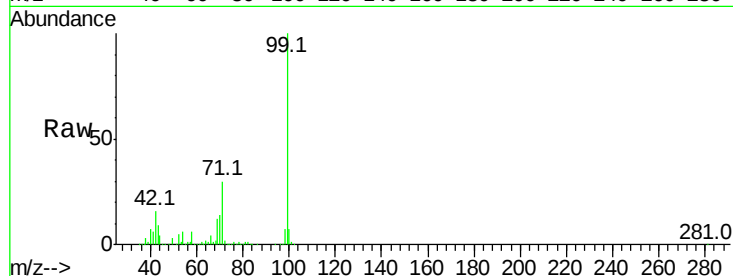
Tot Ion: 99 Resp: 784418

Ion Ratio Lower Upper

99 100

42 16.0 15.6 23.4

71 29.6 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Tgt Ion: 136 Resp: 793620

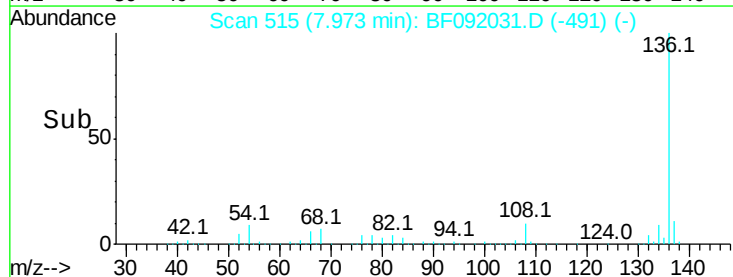
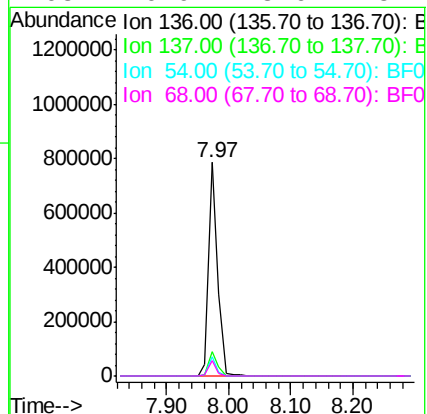
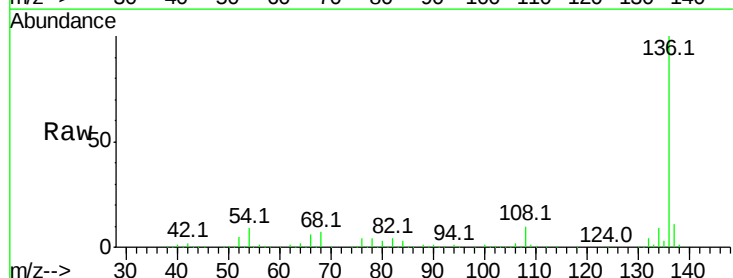
Ion Ratio Lower Upper

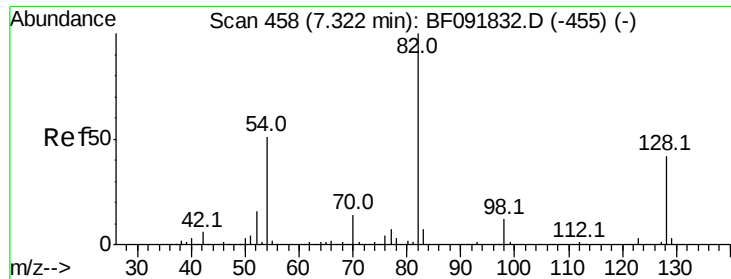
136 100

137 11.2 8.4 12.6

54 9.2 4.5 6.7#

68 6.9 3.6 5.4#

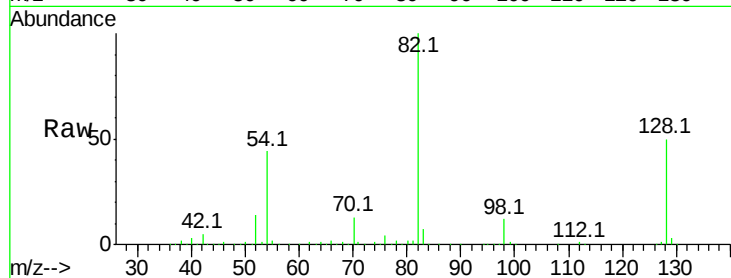




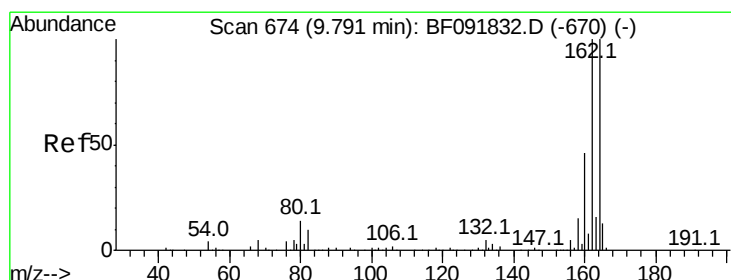
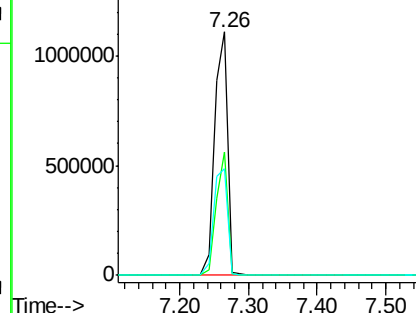
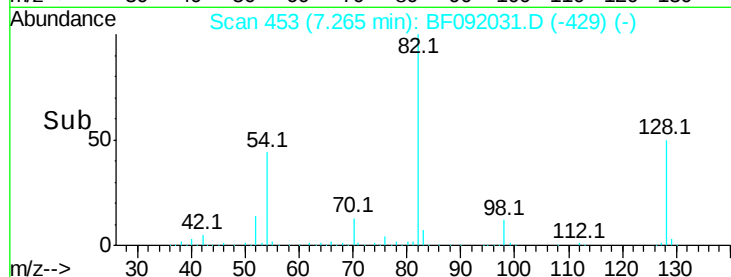
#23  
 Nitrobenzene-d5  
 Concen: 102.01 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. -0.02 min  
 Lab File: BF092031.D  
 Acq: 29 Dec 2016 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Tot Ion: 82 Resp: 1455904  
 Ion Ratio Lower Upper  
 82 100  
 128 50.4 34.6 52.0  
 54 43.5 39.5 59.3

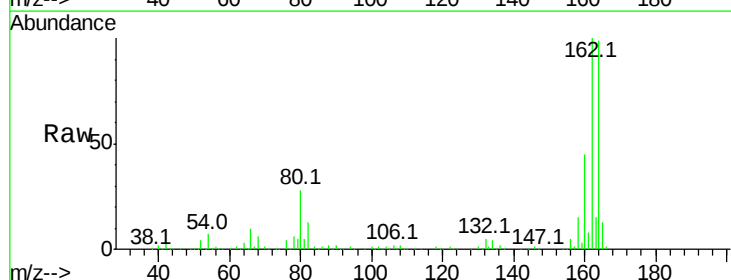


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

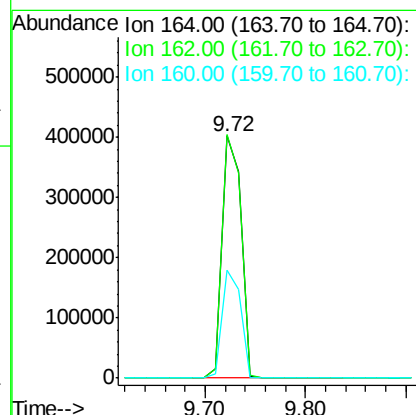
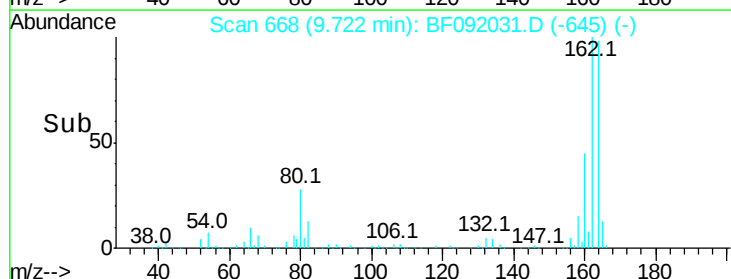


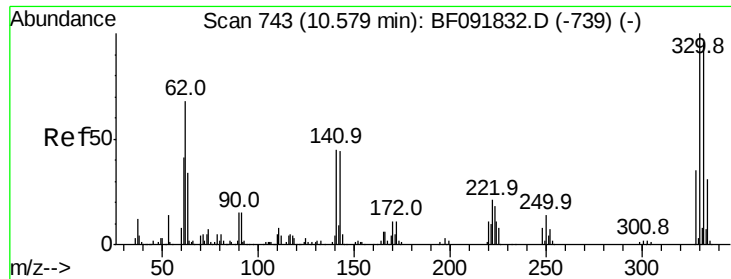
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 668  
 Delta R.T. -0.03 min  
 Lab File: BF092031.D  
 Acq: 29 Dec 2016 18:34

Tgt Ion:164 Resp: 528323  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 80.2 120.2  
 160 44.8 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): B  
 Ion 162.00 (161.70 to 162.70): B  
 Ion 160.00 (159.70 to 160.70): B

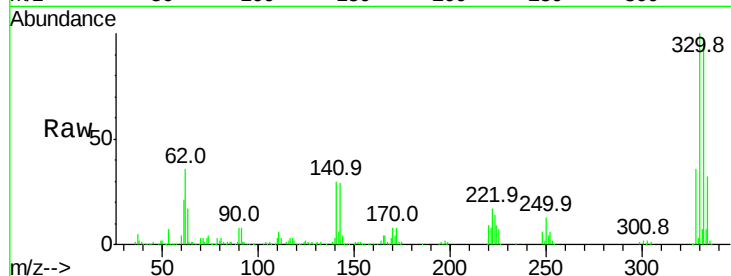




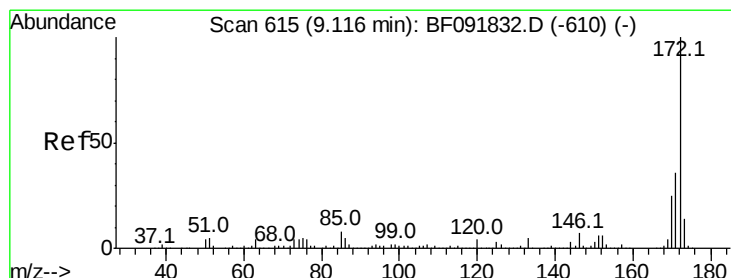
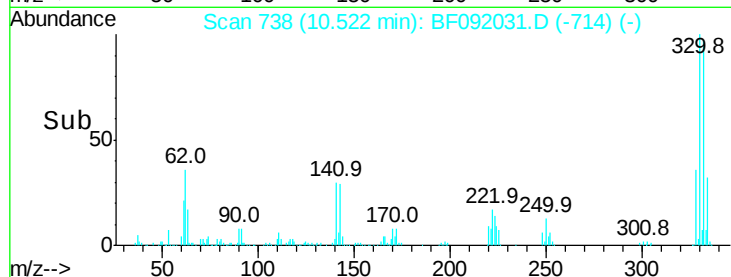
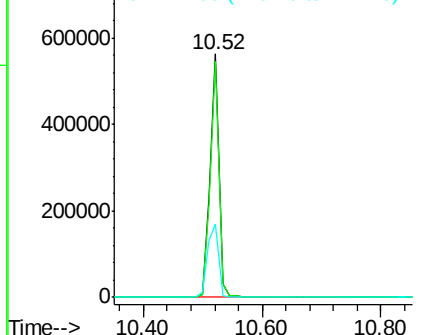
#41  
 2,4,6-Tribromophenol  
 Concen: 133.41 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. -0.02 min  
 Lab File: BF092031.D  
 Acq: 29 Dec 2016 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Tot Ion:330 Resp: 583317  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.4 116.2  
 141 38.2 34.1 51.1

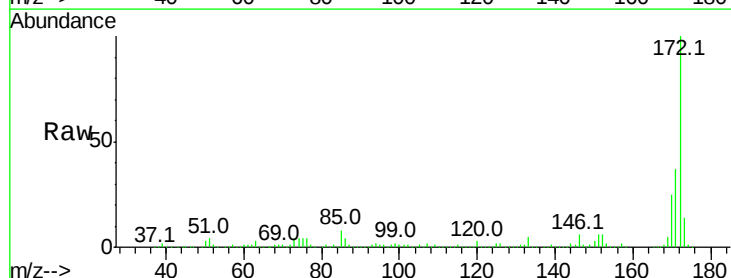


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

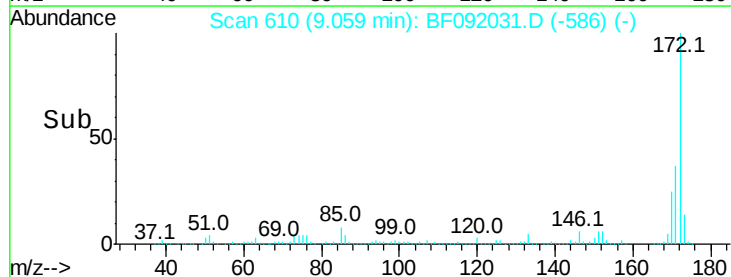
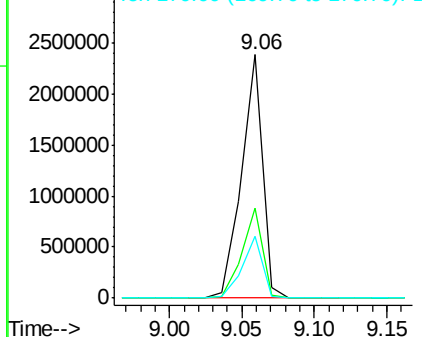


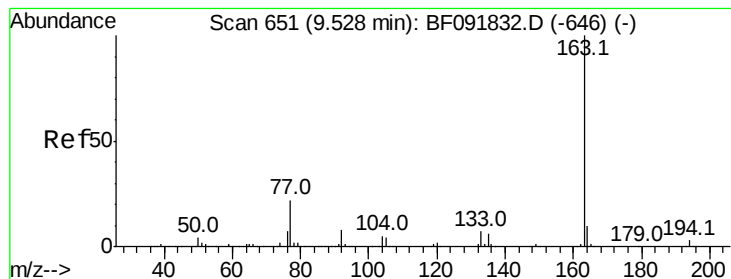
#44  
 2-Fluorobiphenyl  
 Concen: 94.87 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.02 min  
 Lab File: BF092031.D  
 Acq: 29 Dec 2016 18:34

Tgt Ion:172 Resp: 2407576  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.4 44.0  
 170 25.2 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





#49

Dimethylphthalate

Concen: 2.07 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA\_F

ClientSampleId :

MW-12

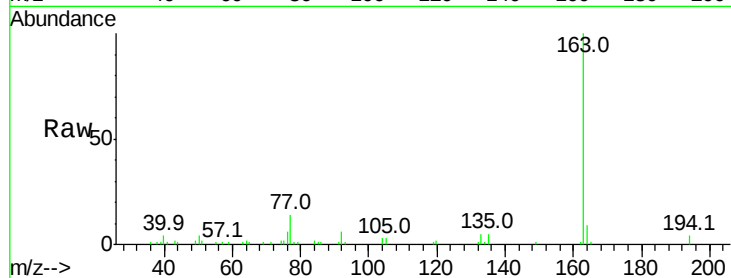
Tot Ion:163 Resp: 69818

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

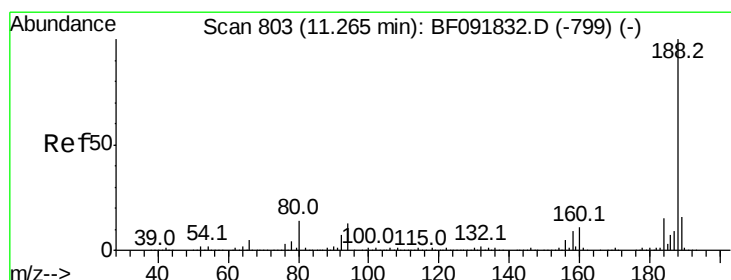
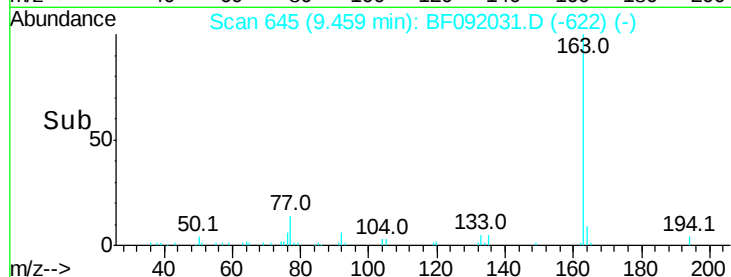
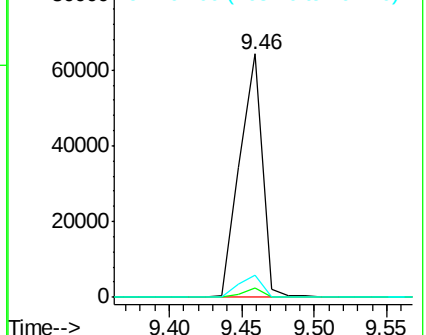
164 9.3 8.0 12.0



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: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

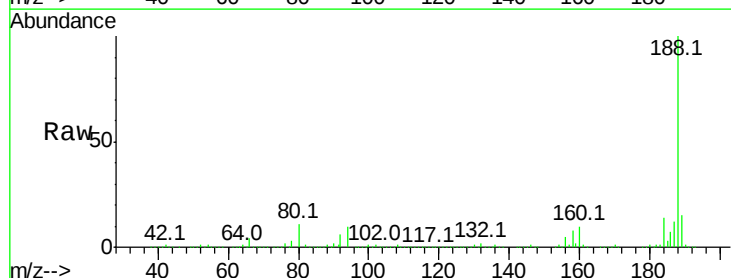
Tgt Ion:188 Resp: 900656

Ion Ratio Lower Upper

188 100

94 10.4 10.0 15.0

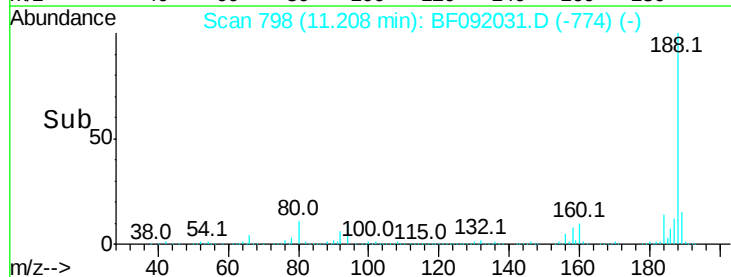
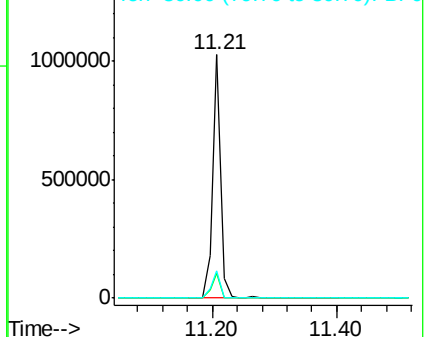
80 11.3 11.2 16.8

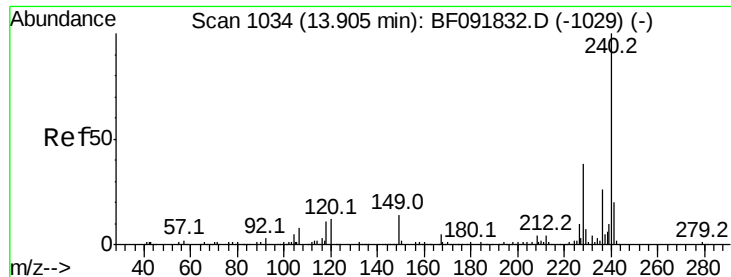


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

Instrument :

BNA\_F

ClientSampleId :

MW-12

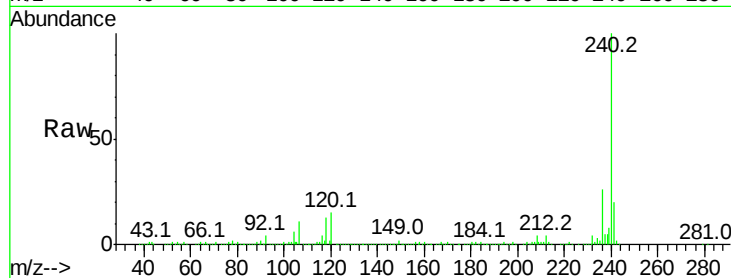
Tot Ion:240 Resp: 769744

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

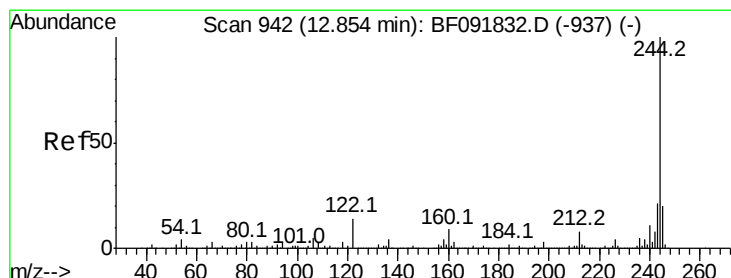
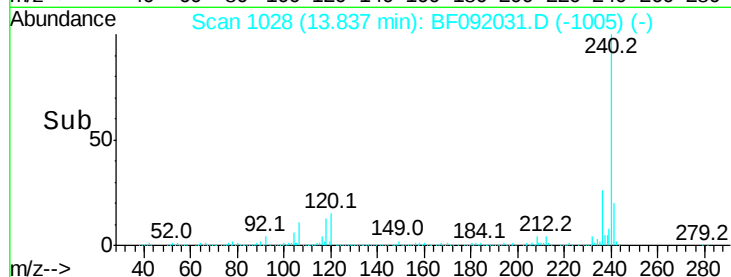
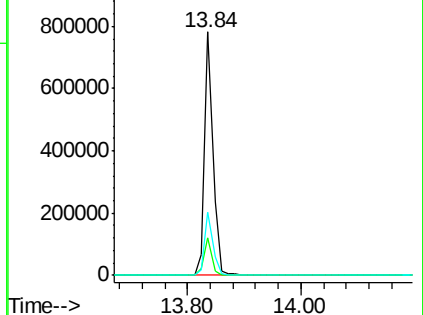
236 25.8 20.9 31.3



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: 75.01 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF092031.D

Acq: 29 Dec 2016 18:34

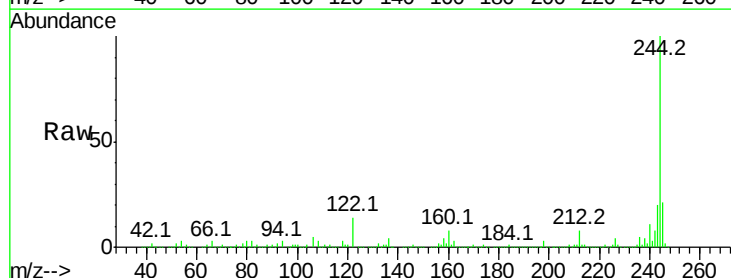
Tgt Ion:244 Resp: 2380823

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

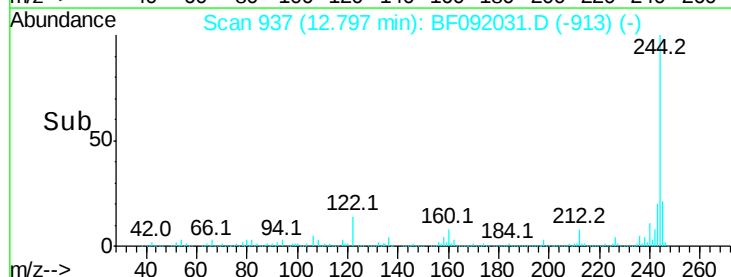
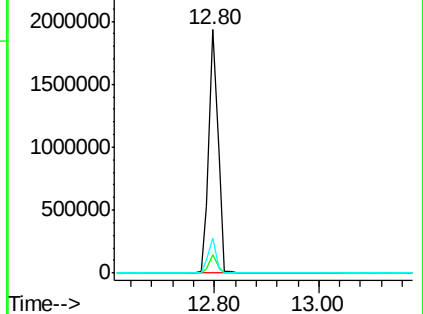
122 14.5 11.4 17.2

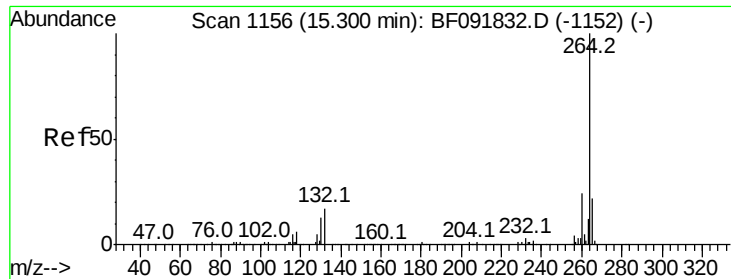


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

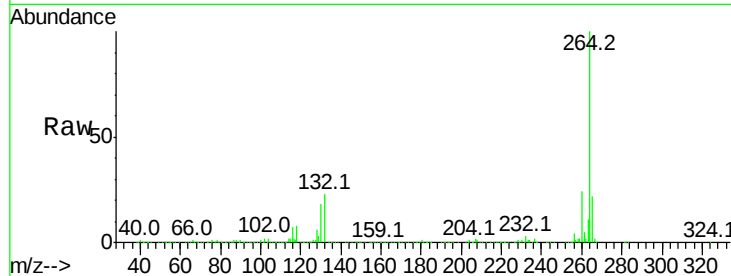




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.22 min Scan# 1149  
Delta R.T. -0.03 min  
Lab File: BF092031.D  
Acq: 29 Dec 2016 18:34

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Tot Ion: 264 Resp: 619412  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 21.9 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

