

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\  
 Data File : BF093698.D  
 Acq On : 16 Mar 2017 7:52  
 Operator : SJ/MA  
 Sample : I2167-02  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 031117-DSDC-F-U-M

Quant Time: Mar 16 08:13:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 15:05:08 2017  
 Response via : Initial Calibration

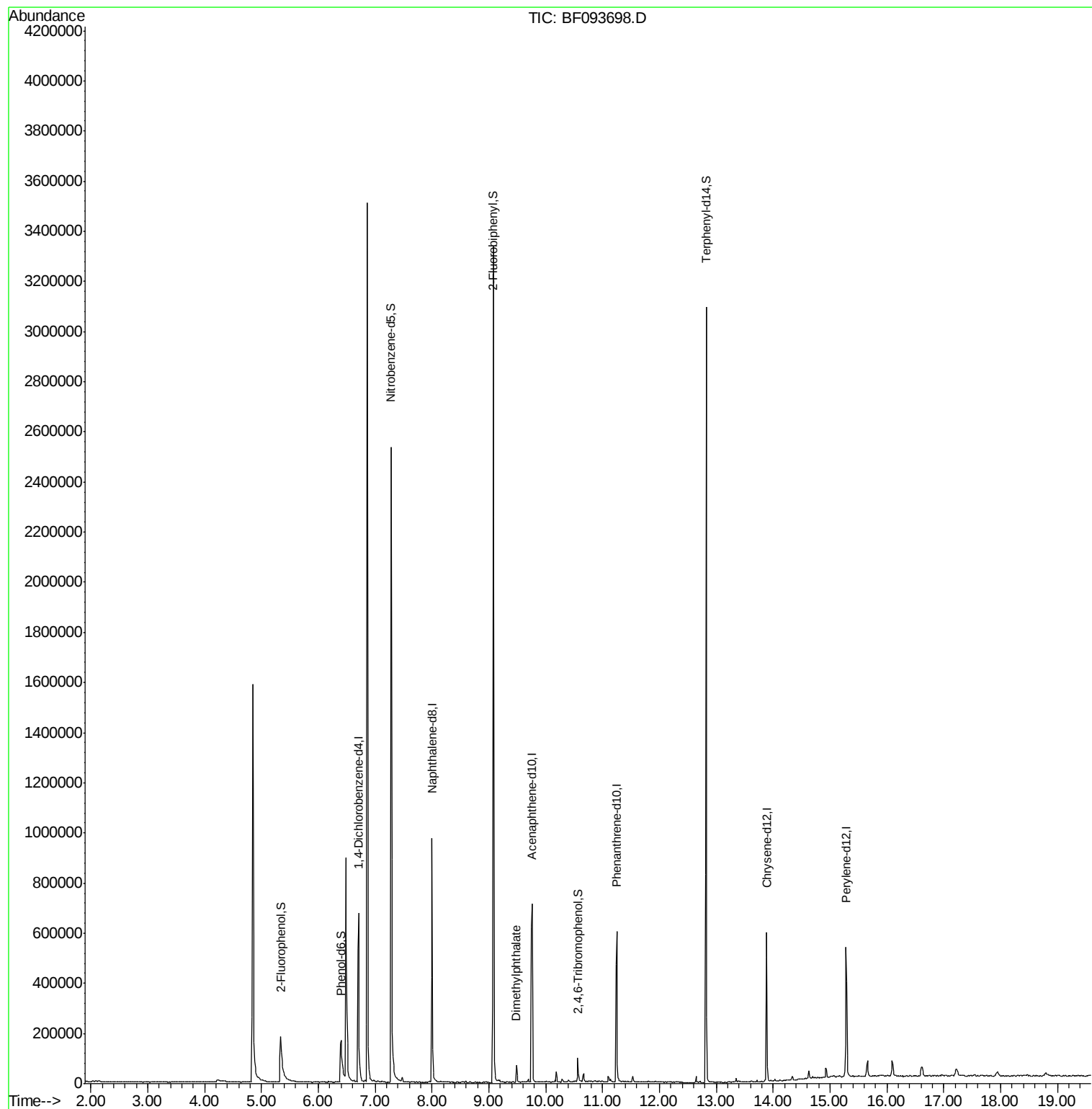
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 144611   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.00  | 136  | 530854   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.76  | 164  | 204122   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.25 | 188  | 313792   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.89 | 240  | 302885   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.28 | 264  | 251997   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 142917   | 16.45  | ng    | 0.02     |
| 7) Phenol-d6                | 6.40  | 99   | 151512   | 13.83  | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 934969   | 97.72  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 13134    | 9.88   | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1421081  | 129.49 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.83 | 244  | 943666   | 81.00  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.49  | 163  | 35735    | 2.64   | ng    | 99       |

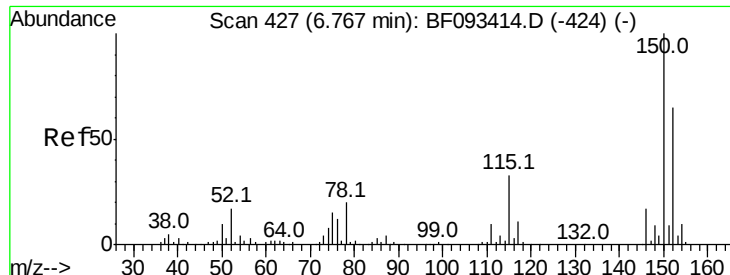
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

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Instrument :

BNA\_F

ClientSampleId :

031117-DSDC-F-U-M

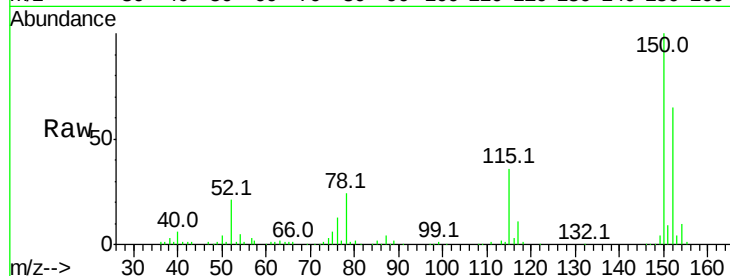
Tot Ion:152 Resp: 144611

Ion Ratio Lower Upper

152 100

150 152.8 124.9 187.3

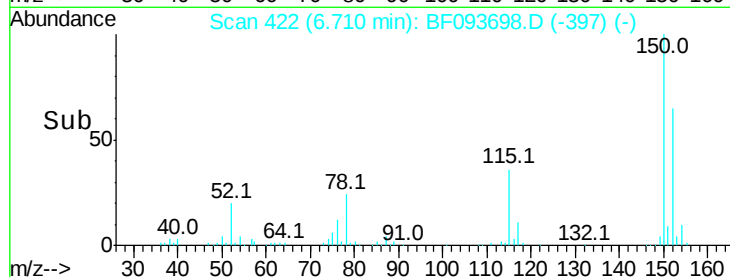
115 55.4 46.0 69.0



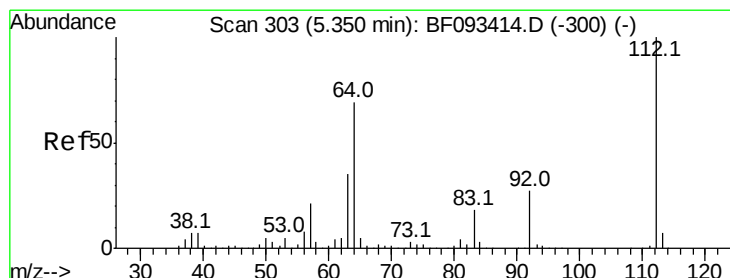
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 16.45 ng

RT: 5.34 min Scan# 302

Delta R.T. 0.02 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

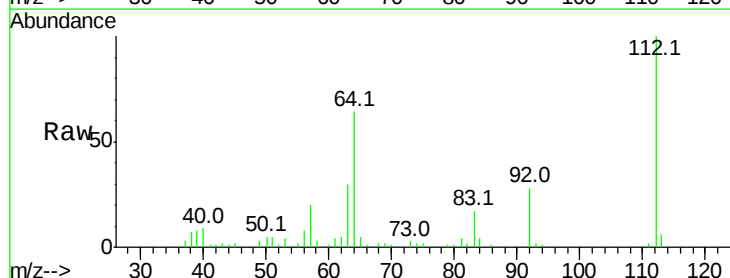
Tgt Ion:112 Resp: 142917

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

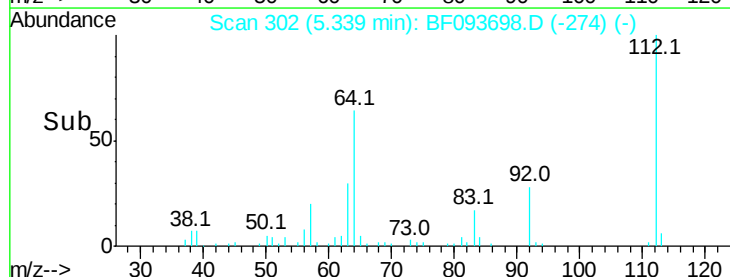
63 30.2 23.8 35.6



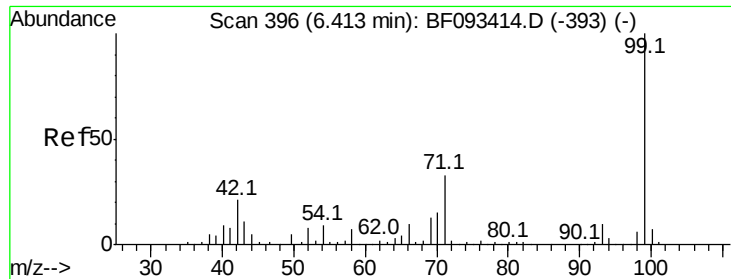
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 13.83 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA\_F

ClientSampleId :

031117-DSDC-F-U-M

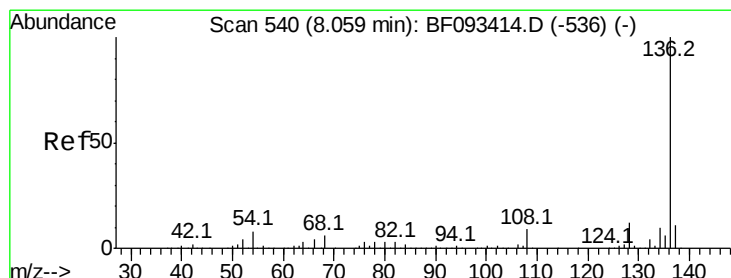
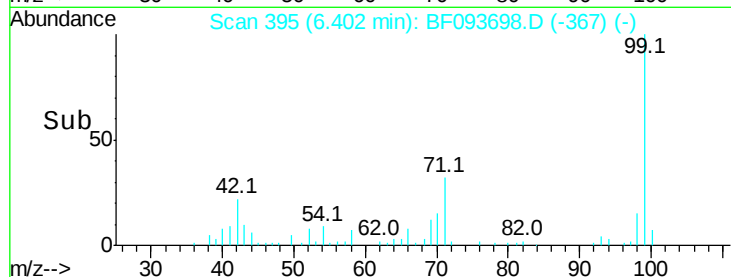
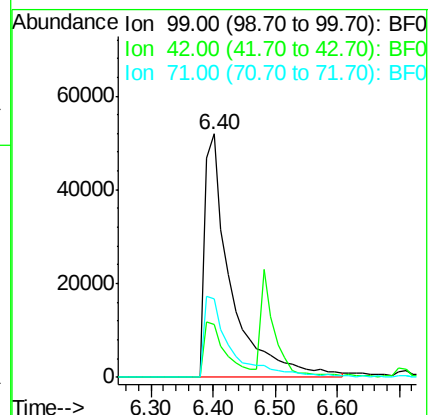
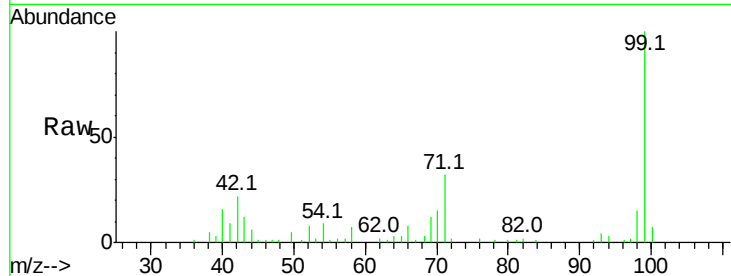
Tot Ion: 99 Resp: 151512

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

71 32.1 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Tgt Ion: 136 Resp: 530854

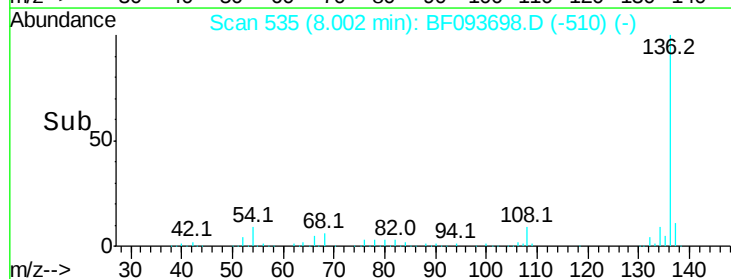
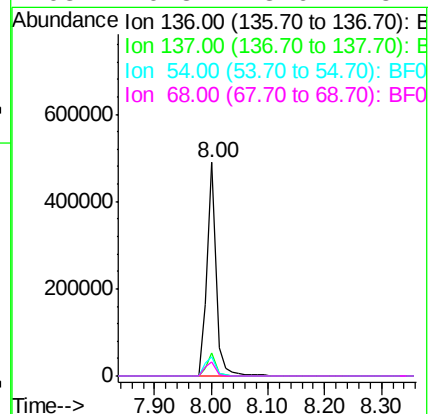
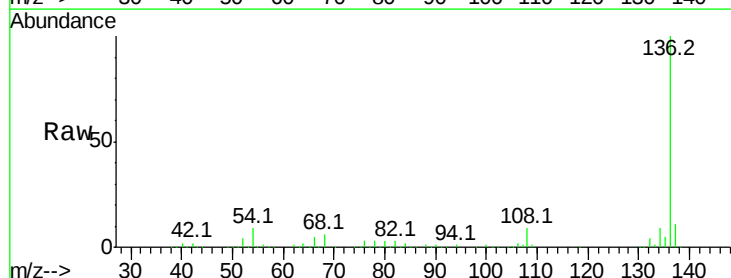
Ion Ratio Lower Upper

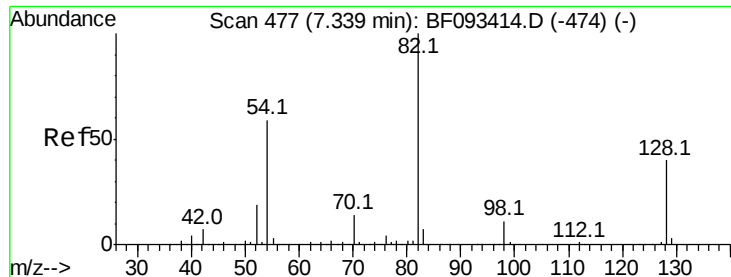
136 100

137 10.6 8.4 12.6

54 8.8 4.5 6.7#

68 6.3 3.6 5.4#

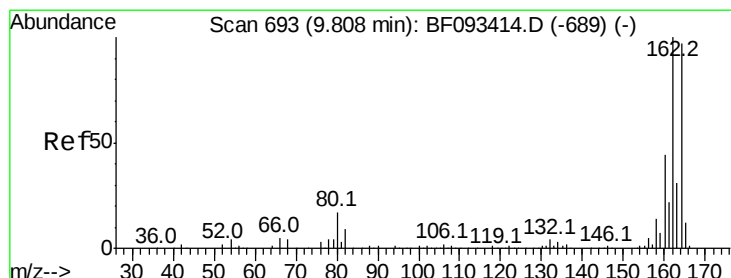
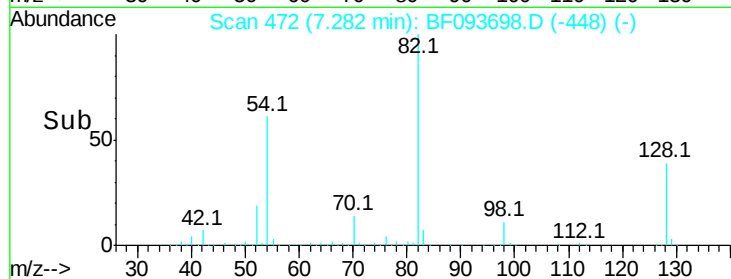
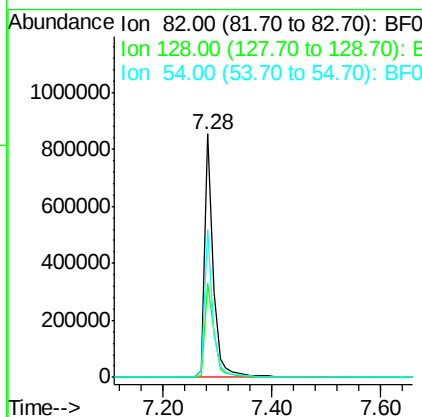
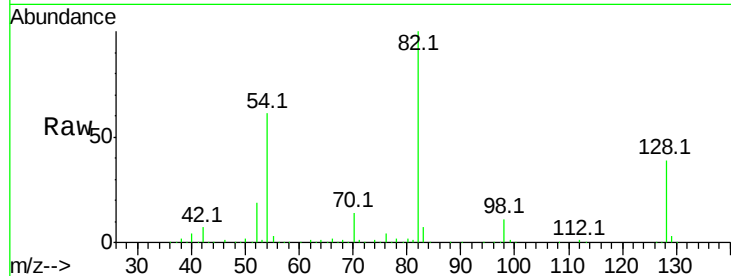




#23  
 Nitrobenzene-d5  
 Concen: 97.72 ng  
 RT: 7.28 min Scan# 472  
 Delta R.T. -0.02 min  
 Lab File: BF093698.D  
 Acq: 16 Mar 2017 7:52

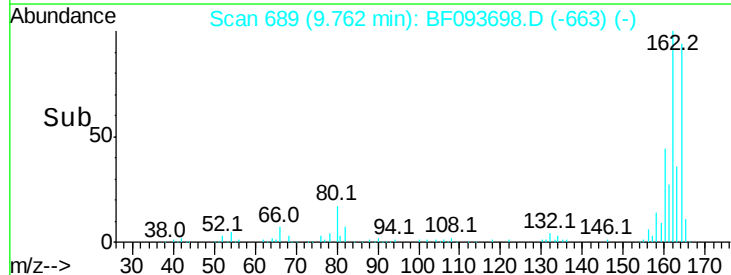
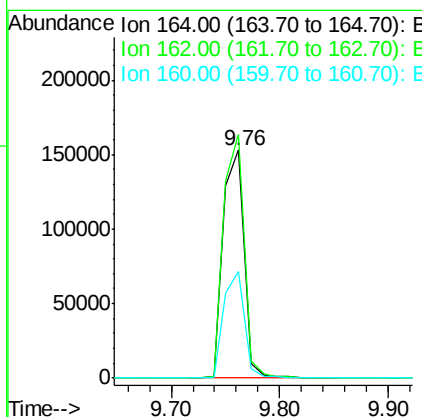
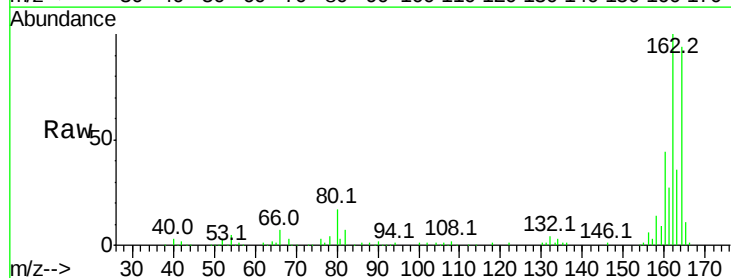
Instrument :  
 BNA\_F  
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 031117-DSDC-F-U-M

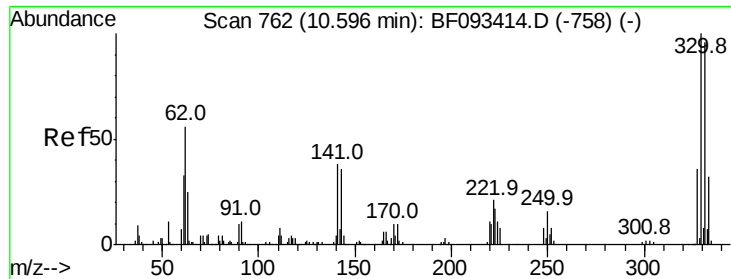
| Tot Ion   | 82    | Resp  | 934969 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.8  | 34.6  | 52.0   |
| 54        | 60.7  | 39.5  | 59.3#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. -0.00 min  
 Lab File: BF093698.D  
 Acq: 16 Mar 2017 7:52

| Tgt Ion   | 164   | Resp  | 204122 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.8 | 80.2  | 120.2  |
| 160       | 46.9  | 36.9  | 55.3   |

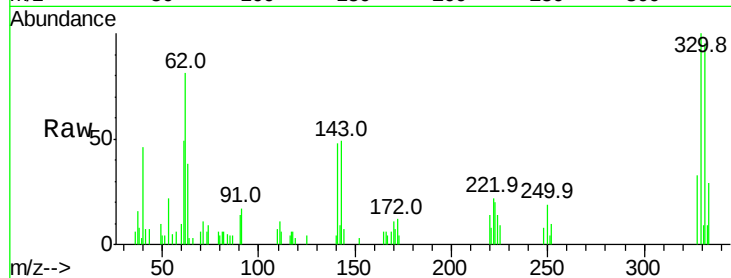




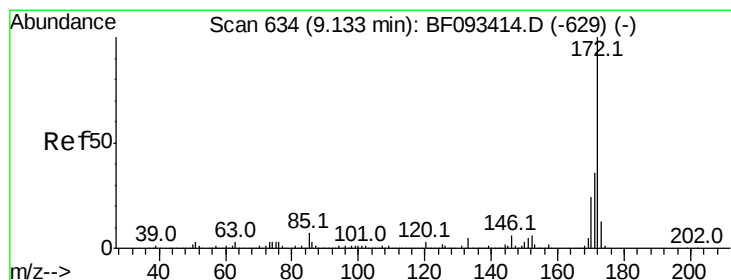
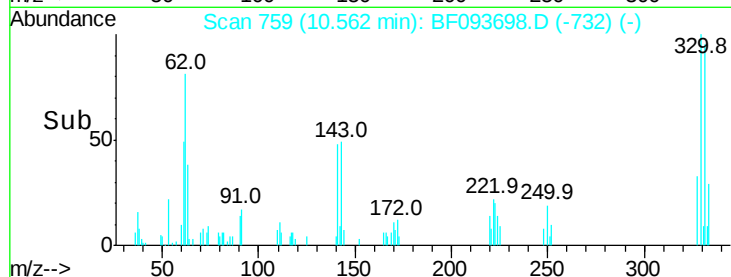
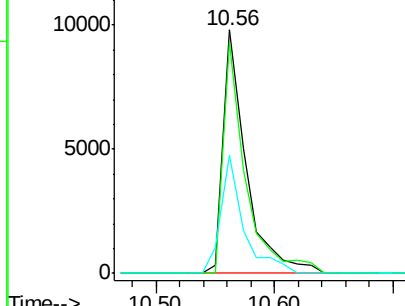
#41  
 2,4,6-Tribromophenol  
 Concen: 9.88 ng  
 RT: 10.56 min Scan# 759  
 Delta R.T. 0.01 min  
 Lab File: BF093698.D  
 Acq: 16 Mar 2017 7:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 031117-DSDC-F-U-M

Tot Ion:330 Resp: 13134  
 Ion Ratio Lower Upper  
 330 100  
 332 91.0 77.4 116.2  
 141 47.6 34.1 51.1

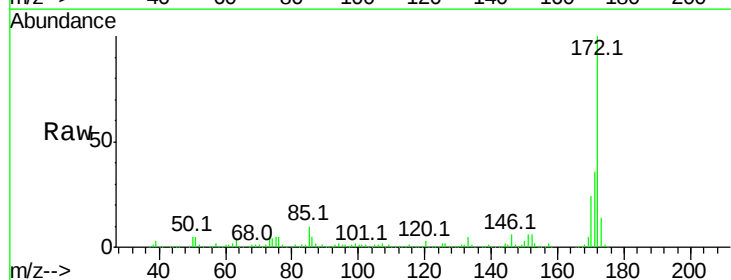


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

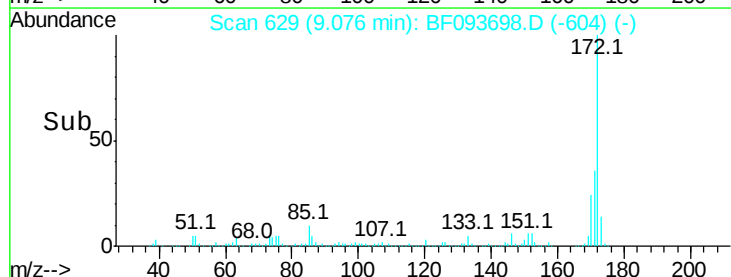
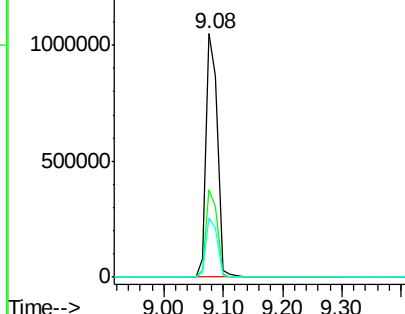


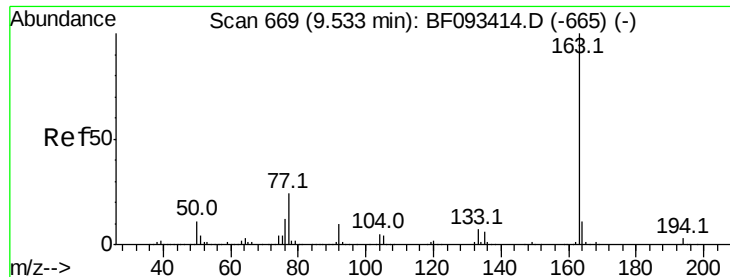
#44  
 2-Fluorobiphenyl  
 Concen: 129.49 ng  
 RT: 9.08 min Scan# 629  
 Delta R.T. -0.01 min  
 Lab File: BF093698.D  
 Acq: 16 Mar 2017 7:52

Tgt Ion:172 Resp: 1421081  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.0  
 170 24.4 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: 2.64 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA\_F

ClientSampleId :

031117-DSDC-F-U-M

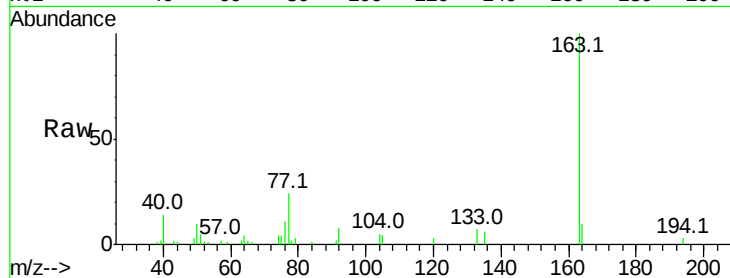
Tot Ion:163 Resp: 35735

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

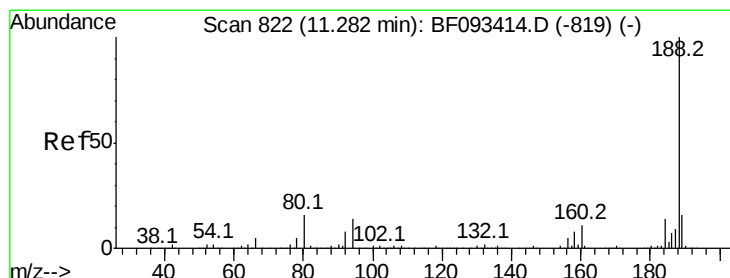
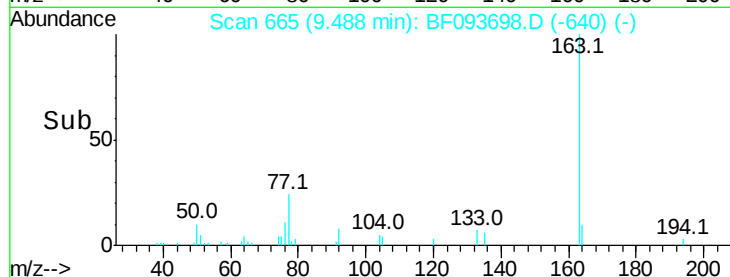
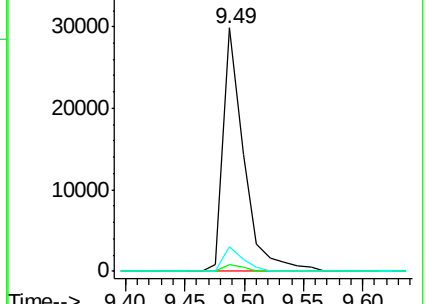
164 10.2 8.0 12.0



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: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

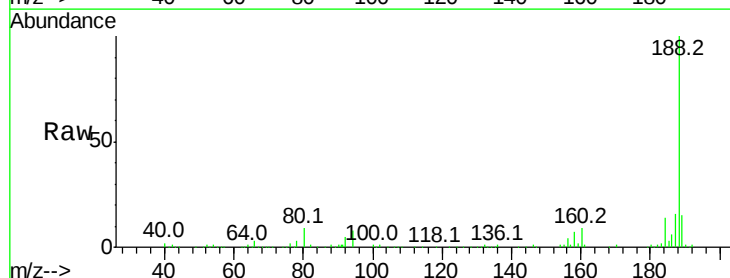
Tgt Ion:188 Resp: 313792

Ion Ratio Lower Upper

188 100

94 8.4 10.0 15.0#

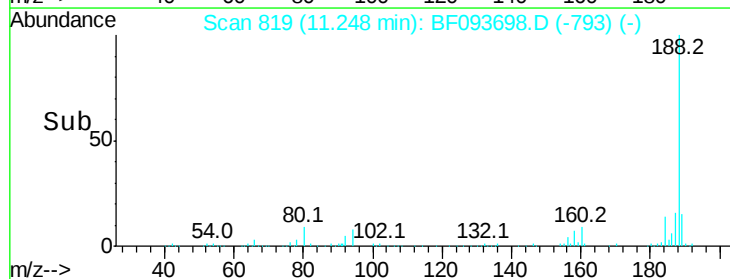
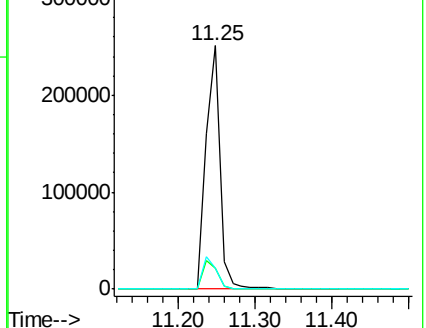
80 8.8 11.2 16.8#

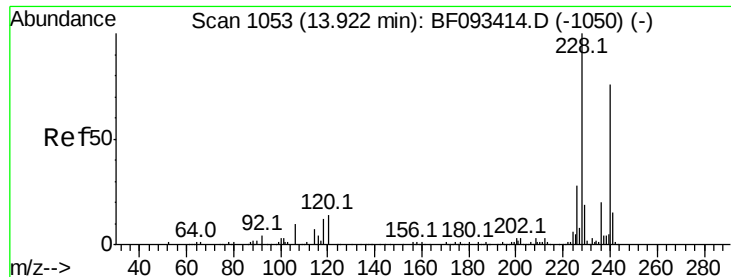


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.89 min Scan# 1050

Delta R.T. -0.00 min

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ClientSampleId :

031117-DSDC-F-U-M

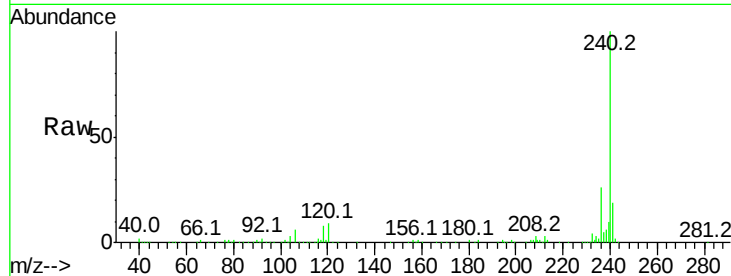
Tot Ion:240 Resp: 302885

Ion Ratio Lower Upper

240 100

120 9.0 12.9 19.3#

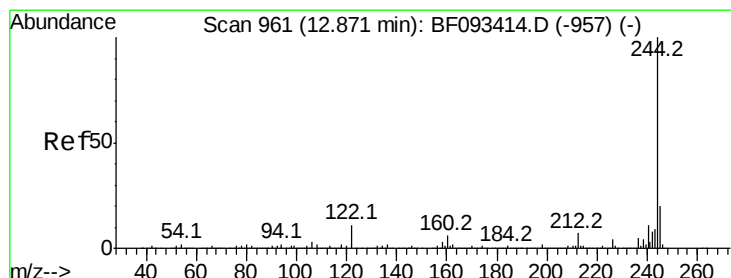
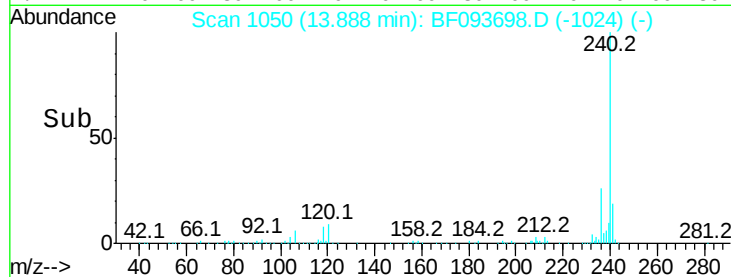
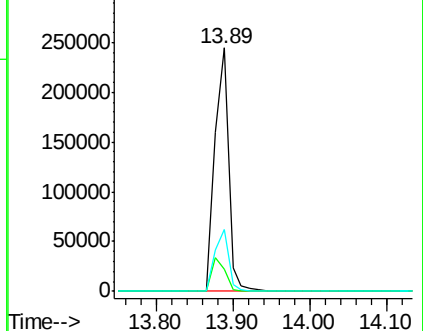
236 25.6 20.9 31.3



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: 81.00 ng

RT: 12.83 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

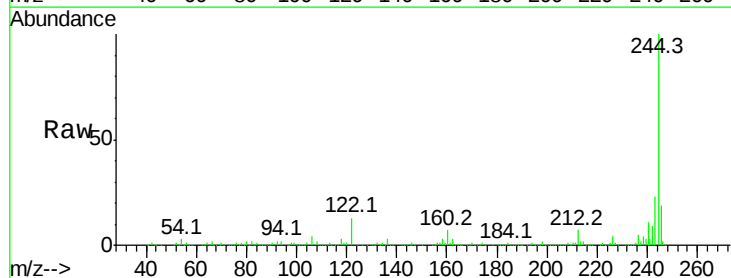
Tgt Ion:244 Resp: 943666

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

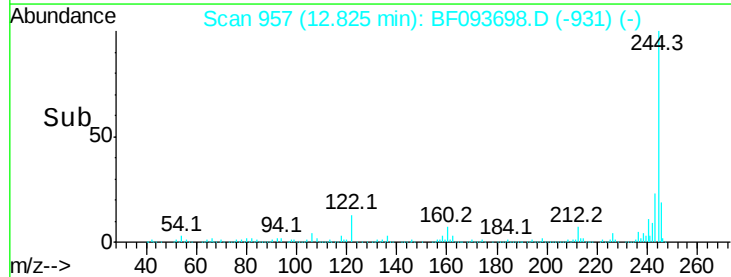
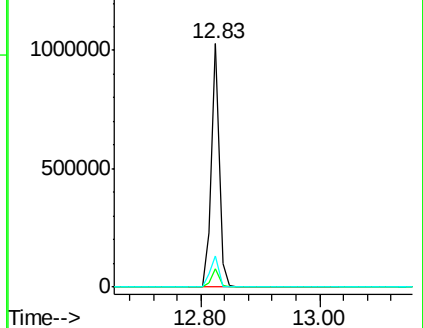
122 12.5 11.4 17.2

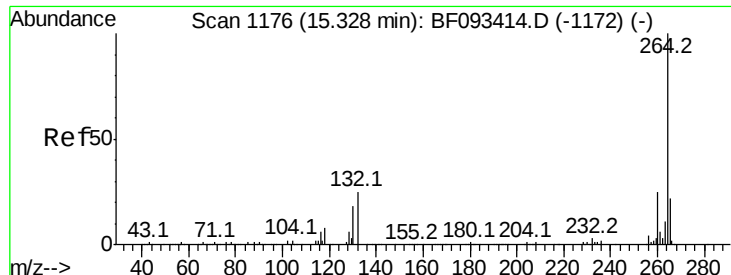


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.28 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: BF093698.D  
Acq: 16 Mar 2017 7:52

Instrument :  
BNA\_F  
ClientSampleId :  
031117-DSDC-F-U-M

Tot Ion:264 Resp: 251997  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.2 28.8  
265 21.6 17.4 26.0

