

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\  
 Data File : BF084729.D  
 Acq On : 2 Feb 2016 00:32  
 Operator : SJ/IZ  
 Sample : H1285-23  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(46-48)

Quant Time: Feb 02 03:47:52 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 01 14:55:11 2016  
 Response via : Initial Calibration

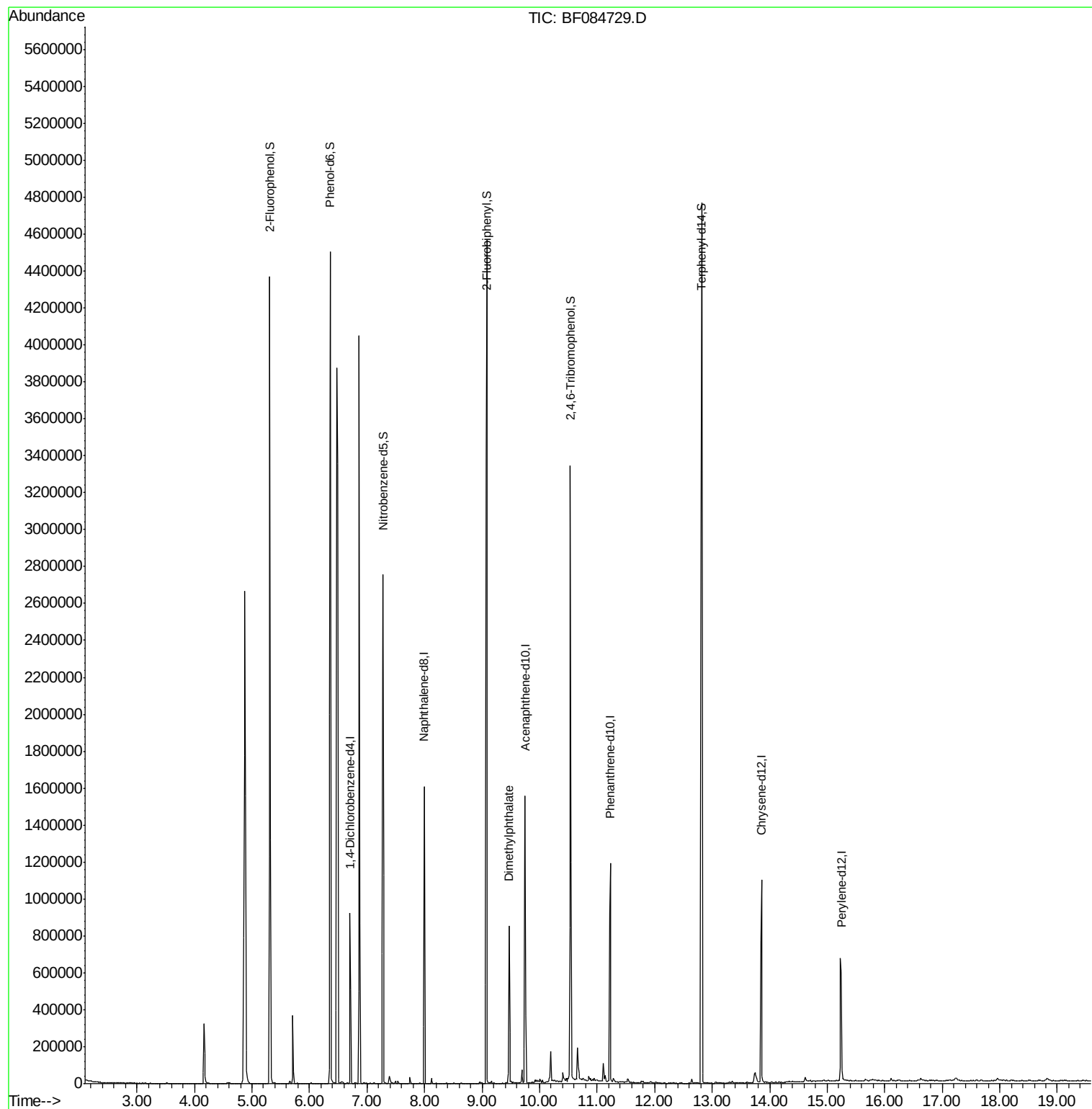
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 160426   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 8.00  | 136  | 682602   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.74  | 164  | 307096   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.23 | 188  | 592919   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.86 | 240  | 499455   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.24 | 264  | 365830   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.31  | 112  | 1354829  | 131.54 | ng    | 0.00           |
| 7) Phenol-d6                | 6.36  | 99   | 1621270  | 126.97 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 1060701  | 87.54  | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 485186   | 151.47 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1959200  | 131.00 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.82 | 244  | 1810896  | 82.16  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.47  | 163  | 358697   | 15.34  | ng    | Qvalue<br># 89 |

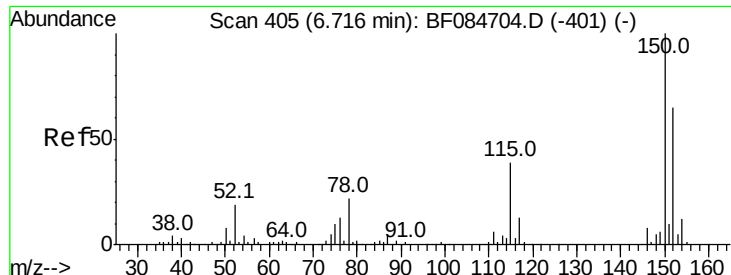
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SUP-B012(46-48)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 01 14:55:11 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(46-48)

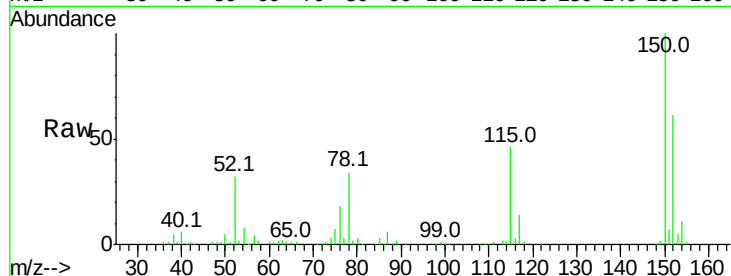
Tot Ion:152 Resp: 160426

Ion Ratio Lower Upper

152 100

150 163.1 123.0 184.4

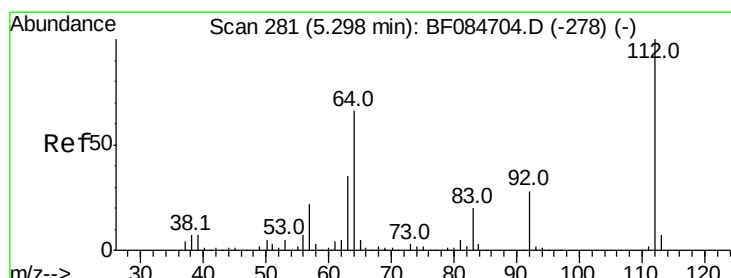
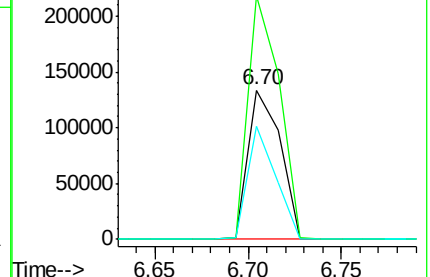
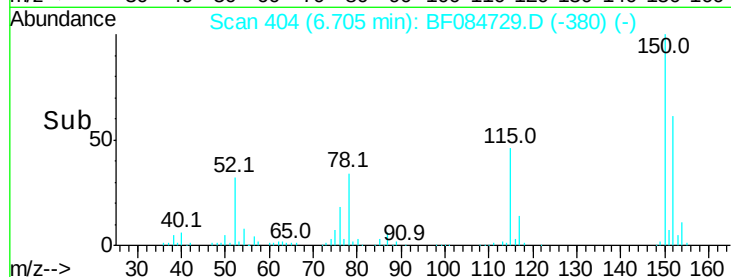
115 75.5 51.4 77.2



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: 131.54 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

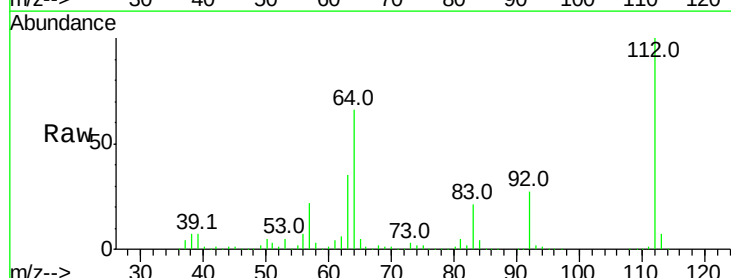
Tgt Ion:112 Resp: 1354829

Ion Ratio Lower Upper

112 100

64 65.9 36.6 55.0#

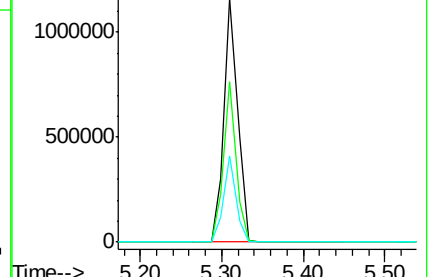
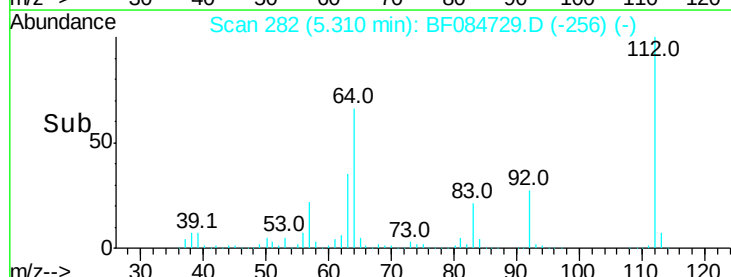
63 35.2 19.4 29.0#

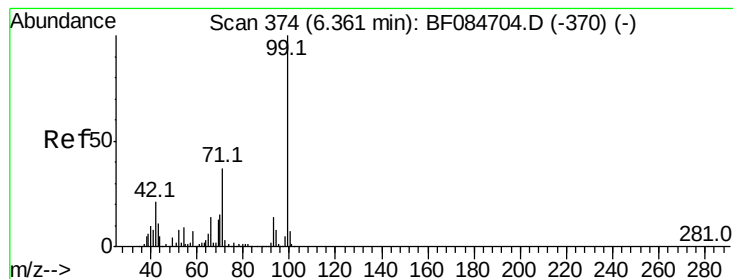


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.97 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

Instrument :

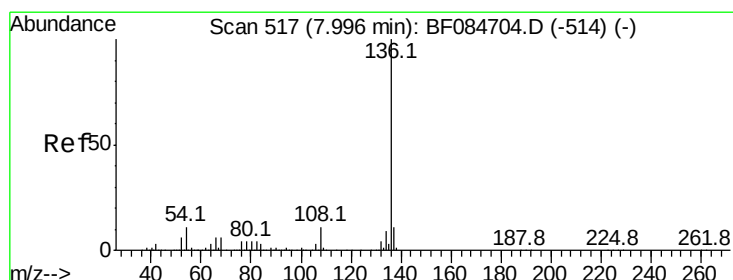
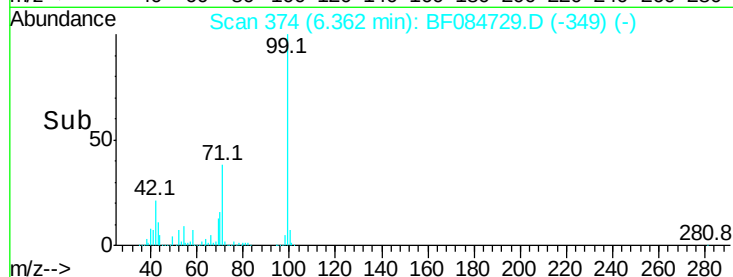
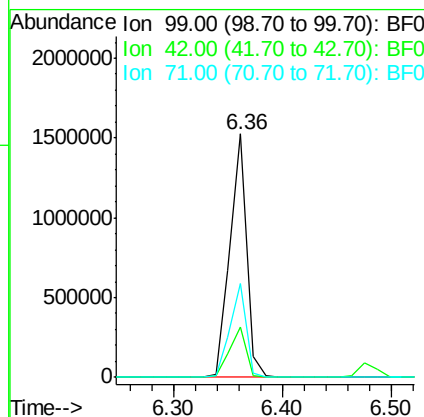
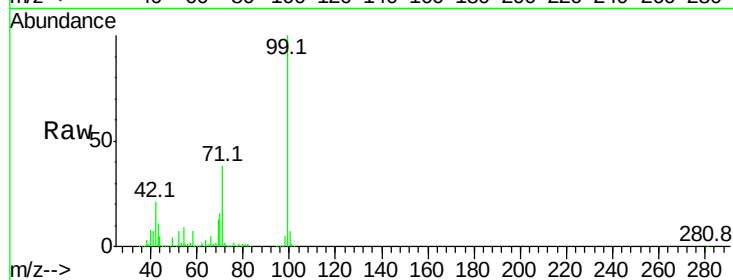
BNA\_F

ClientSampleId :

SUP-B012(46-48)

Tot Ion: 99 Resp: 1621270

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.7  | 12.8  | 19.2# |
| 71  | 38.4  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

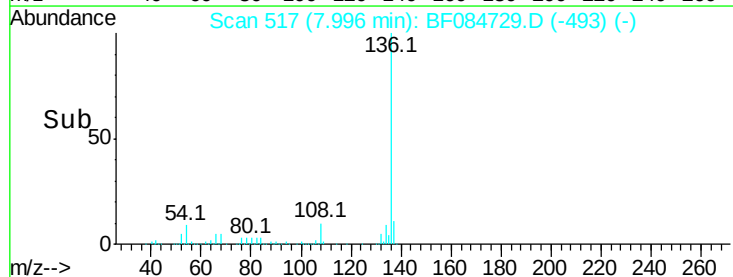
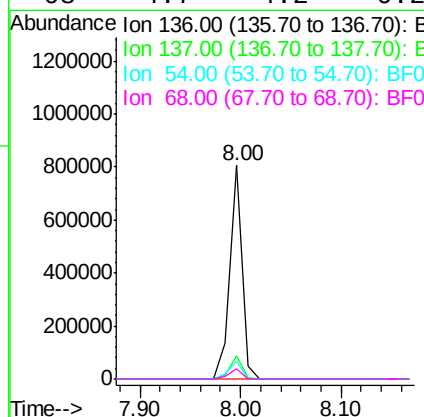
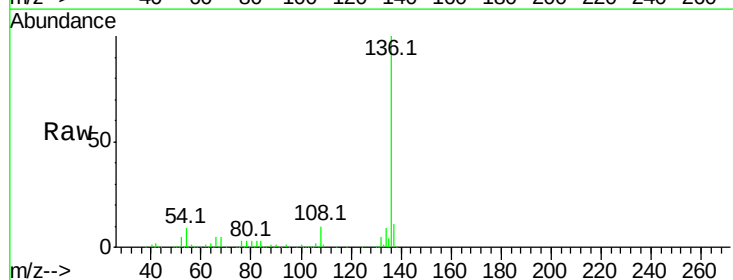
Delta R.T. -0.02 min

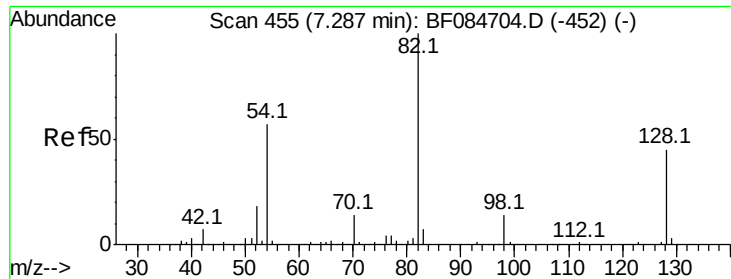
Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

Tgt Ion: 136 Resp: 682602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 8.5   | 5.8   | 8.8   |
| 68  | 4.7   | 4.2   | 6.2   |

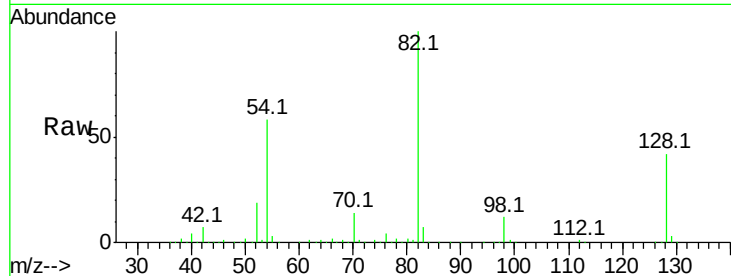




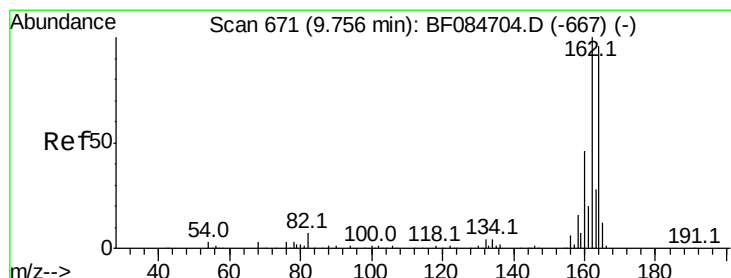
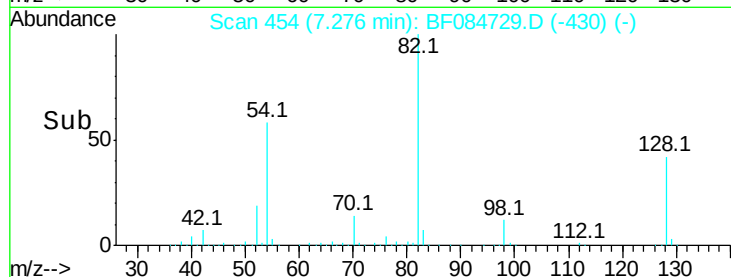
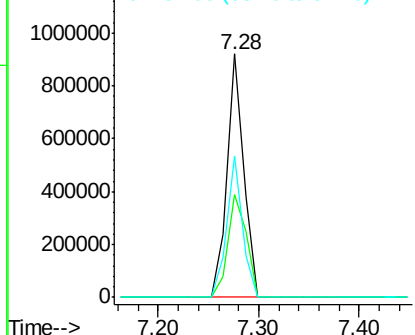
#23  
 Nitrobenzene-d5  
 Concen: 87.54 ng  
 RT: 7.28 min Scan# 454  
 Delta R.T. -0.02 min  
 Lab File: BF084729.D  
 Acq: 2 Feb 2016 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(46-48)

Tot Ion: 82 Resp: 1060701  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 34.6 51.8  
 54 58.1 38.4 57.6#

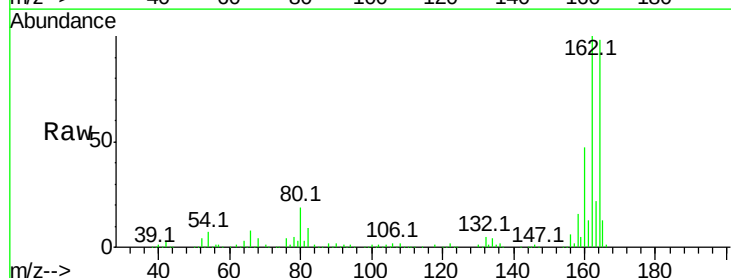


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

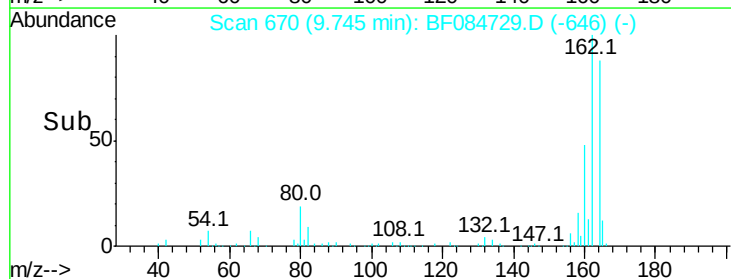
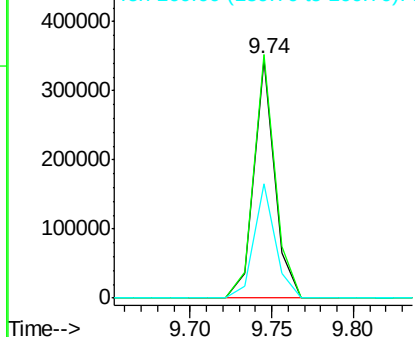


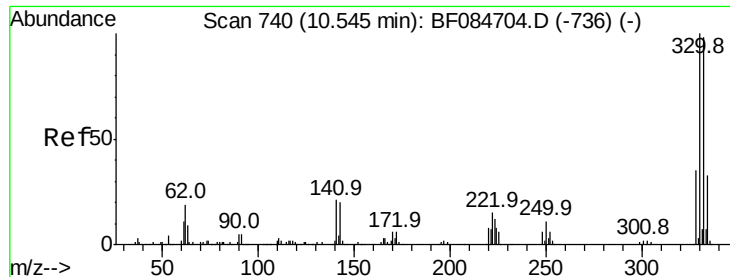
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. -0.02 min  
 Lab File: BF084729.D  
 Acq: 2 Feb 2016 00:32

Tgt Ion:164 Resp: 307096  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 85.1 127.7  
 160 48.2 37.5 56.3



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

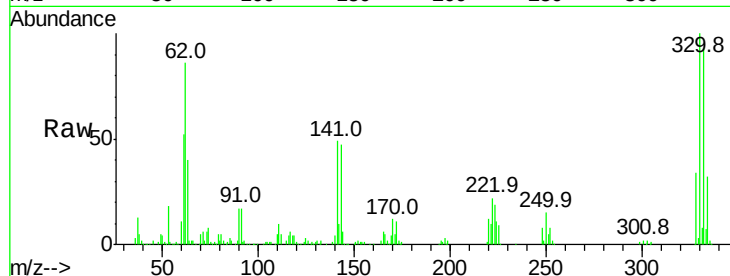




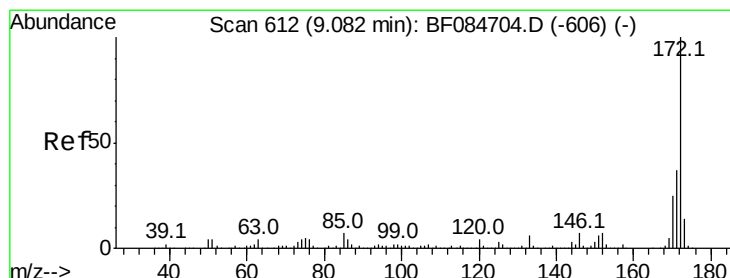
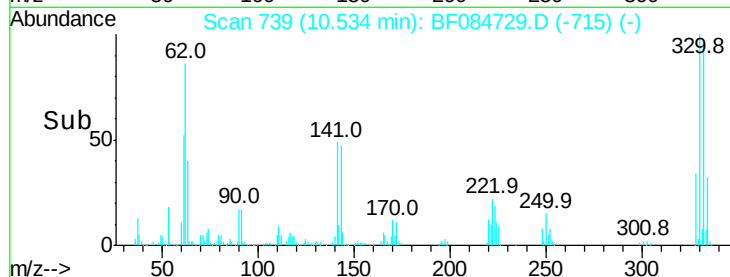
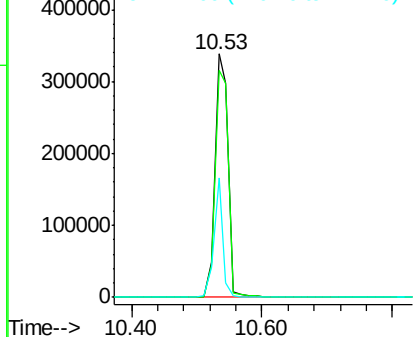
#41  
 2,4,6-Tribromophenol  
 Concen: 151.47 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. -0.02 min  
 Lab File: BF084729.D  
 Acq: 2 Feb 2016 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(46-48)

Tot Ion:330 Resp: 485186  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 114.8  
 141 33.1 27.8 41.6

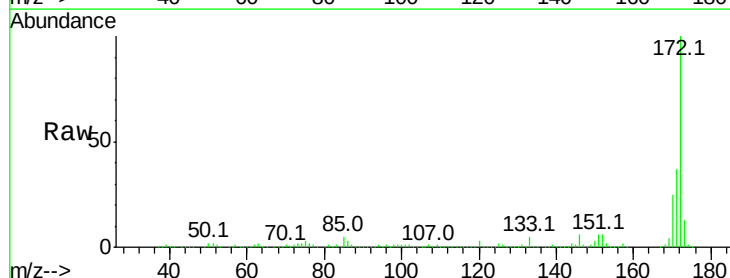


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

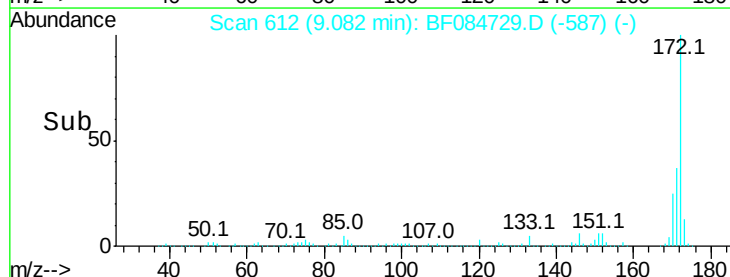
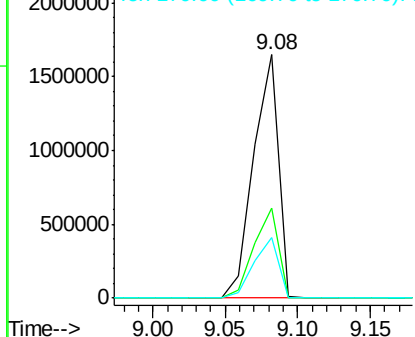


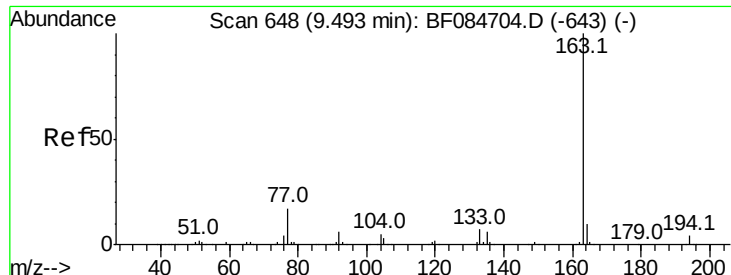
#44  
 2-Fluorobiphenyl  
 Concen: 131.00 ng  
 RT: 9.08 min Scan# 612  
 Delta R.T. -0.01 min  
 Lab File: BF084729.D  
 Acq: 2 Feb 2016 00:32

Tgt Ion:172 Resp: 1959200  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 28.9 43.3  
 170 24.8 18.6 27.8



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: 15.34 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(46-48)

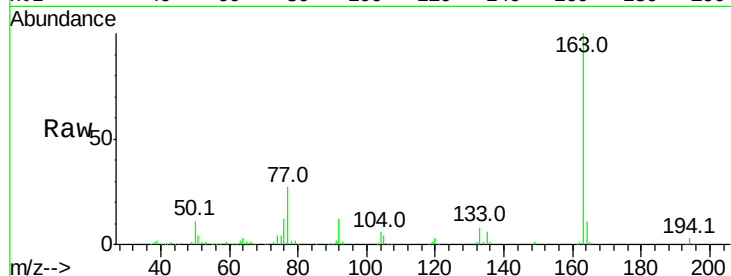
Tot Ion:163 Resp: 358697

Ion Ratio Lower Upper

163 100

194 2.8 8.0 12.0#

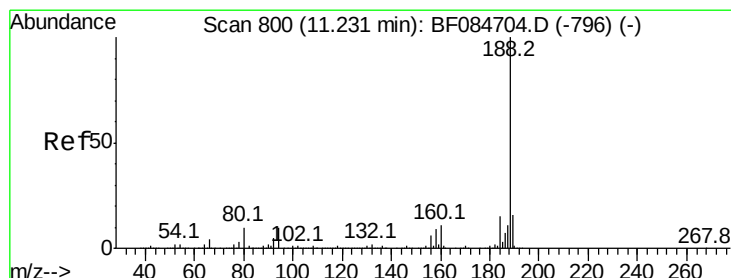
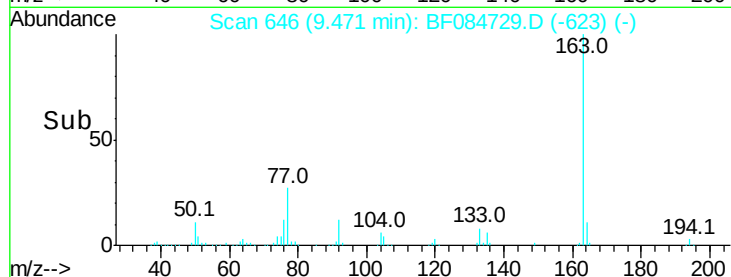
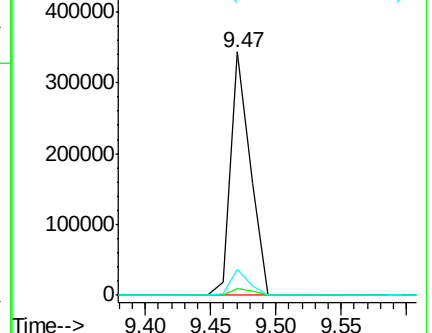
164 10.7 8.0 12.0



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: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

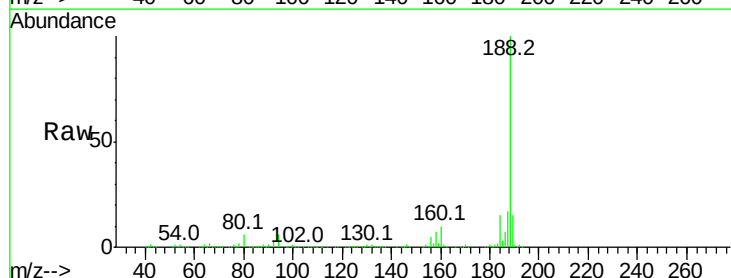
Tgt Ion:188 Resp: 592919

Ion Ratio Lower Upper

188 100

94 5.8 9.0 13.4#

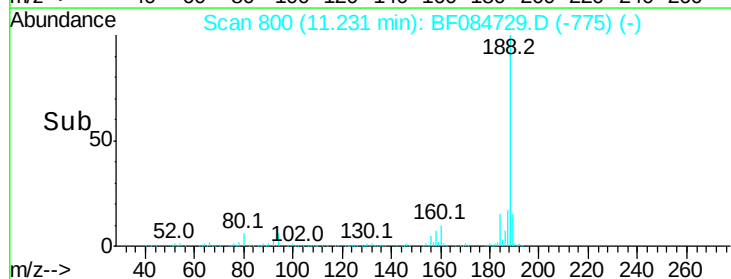
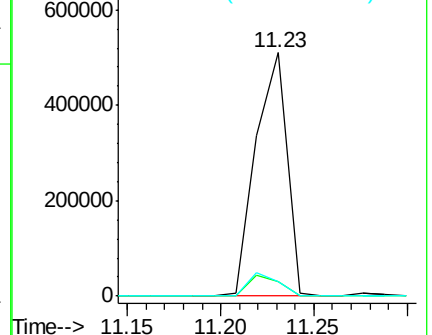
80 6.1 9.6 14.4#

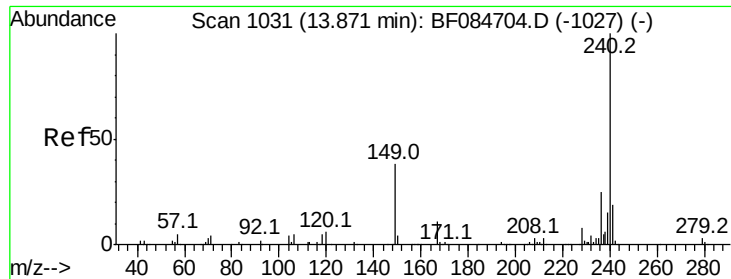


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

Instrument :

BNA\_F

ClientSampleId :

SUP-B012(46-48)

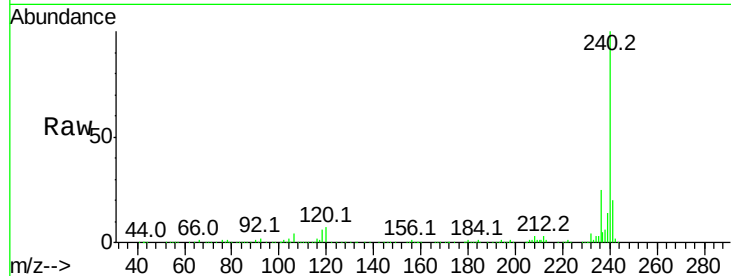
Tot Ion:240 Resp: 499455

Ion Ratio Lower Upper

240 100

120 6.5 9.5 14.3#

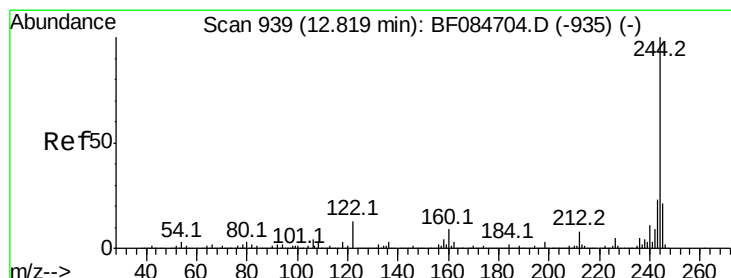
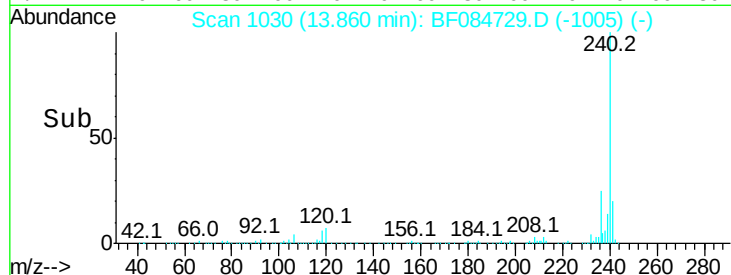
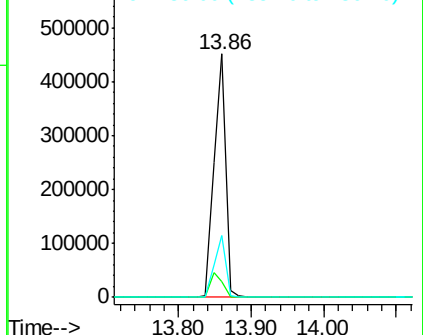
236 25.3 20.6 31.0



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: 82.16 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084729.D

Acq: 2 Feb 2016 00:32

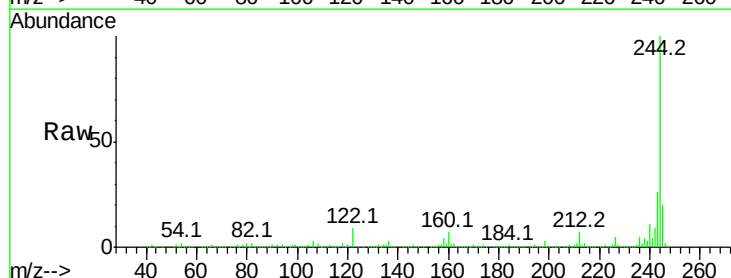
Tgt Ion:244 Resp: 1810896

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

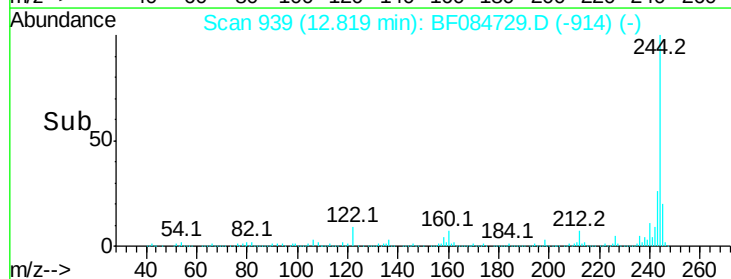
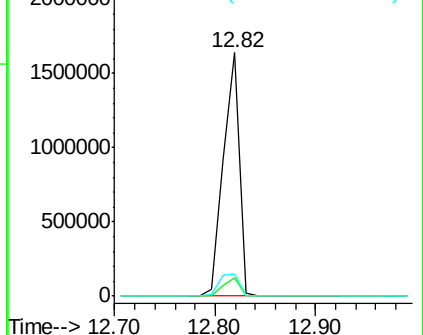
122 9.3 7.4 11.0



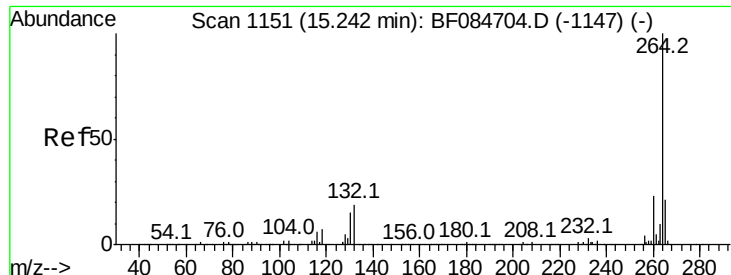
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



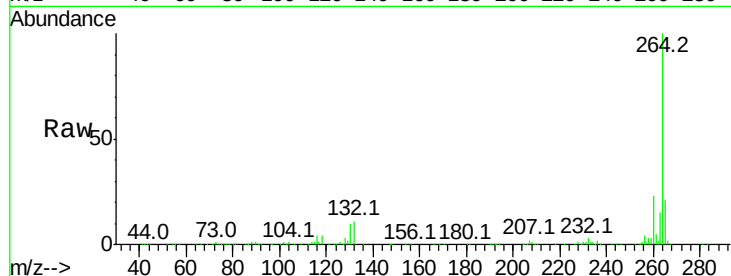




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.24 min Scan# 1151  
 Delta R.T. -0.01 min  
 Lab File: BF084729.D  
 Acq: 2 Feb 2016 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B012(46-48)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 19.4  | 29.2  |
| 265     | 21.5  | 17.8  | 26.6  |



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

