

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\  
 Data File : BF085223.D  
 Acq On : 5 Mar 2016 00:48  
 Operator : SJ/IZ  
 Sample : H1676-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-001(0-2)

Quant Time: Mar 05 02:23:43 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

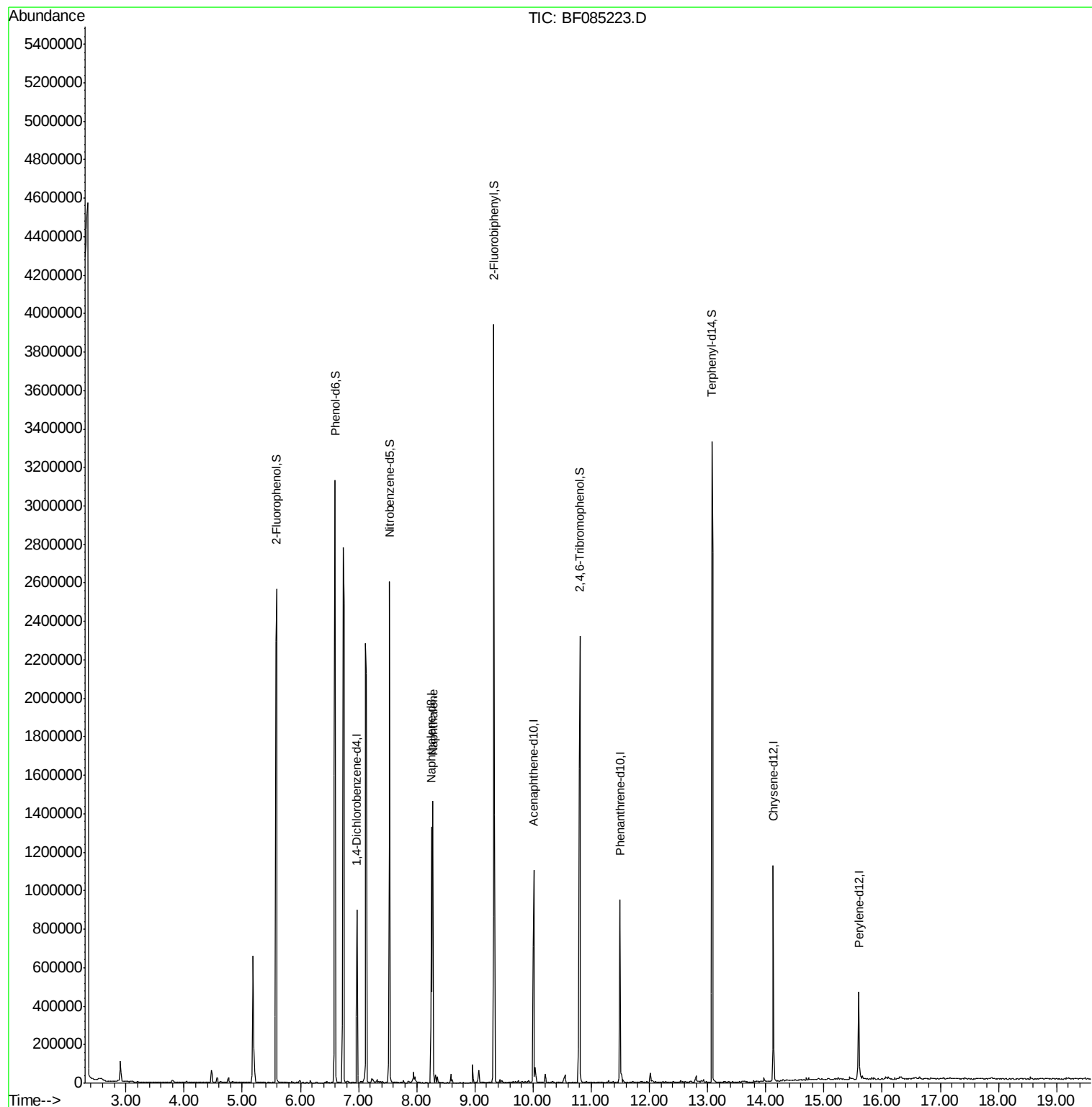
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 148816   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.25  | 136  | 588277   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 10.01 | 164  | 272165   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.50 | 188  | 529675   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 14.13 | 240  | 354400   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.60 | 264  | 248672   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.59  | 112  | 1100068  | 124.00 | ng    | 0.01         |
| 7) Phenol-d6                | 6.60  | 99   | 1277598  | 109.91 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 960391   | 87.36  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 374653   | 160.88 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1442109  | 80.58  | ng    | -0.02        |
| 78) Terphenyl-d14           | 13.08 | 244  | 1524302  | 99.85  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.28  | 128  | 648055   | 22.40  | ng    | Qvalue<br>98 |

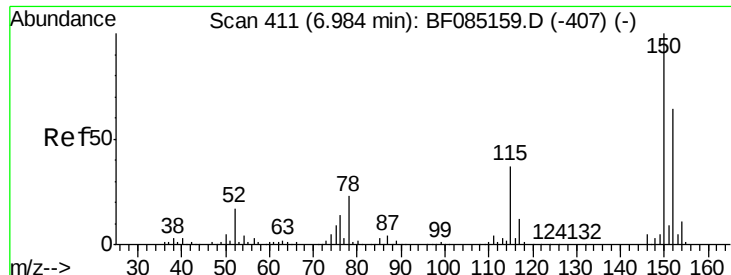
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-001(0-2)

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QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Instrument :

BNA\_F

ClientSampleId :

SP-001(0-2)

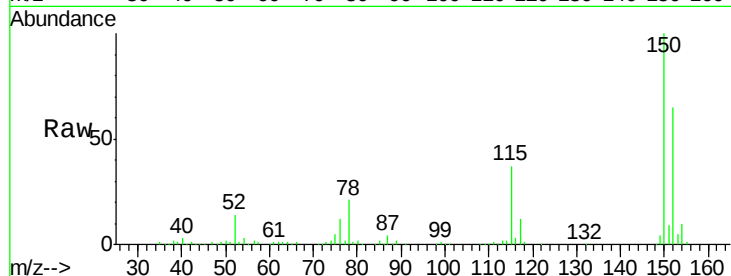
Tot Ion:152 Resp: 148816

Ion Ratio Lower Upper

152 100

150 154.4 124.6 186.8

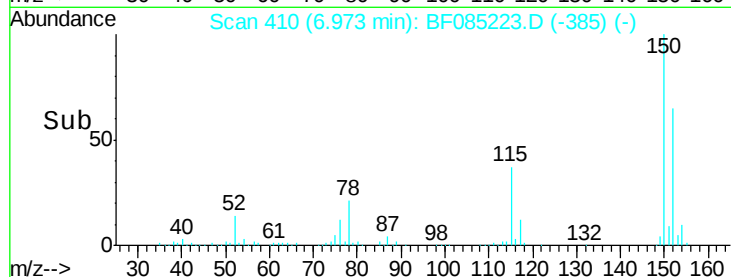
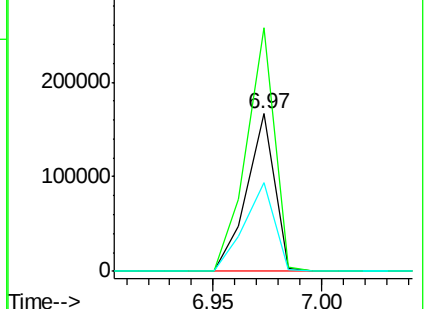
115 56.5 46.6 70.0



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: 124.00 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

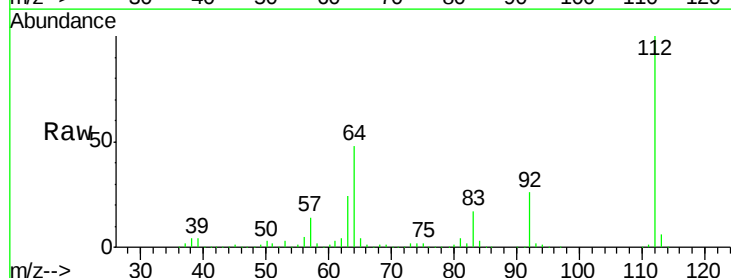
Tgt Ion:112 Resp: 1100068

Ion Ratio Lower Upper

112 100

64 48.2 49.0 73.4#

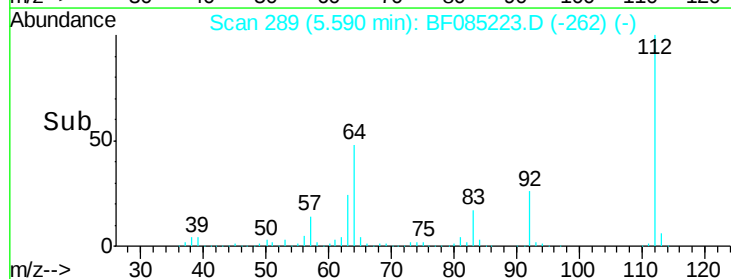
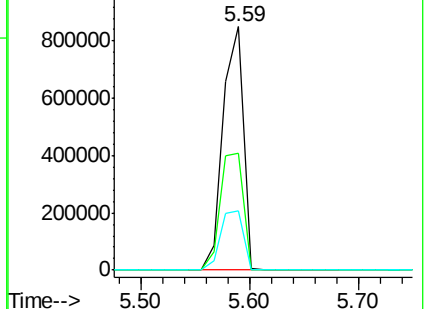
63 24.2 24.8 37.2#

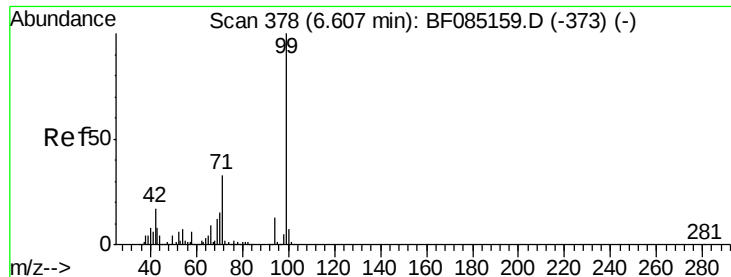


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.91 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Instrument :

BNA\_F

ClientSampleId :

SP-001(0-2)

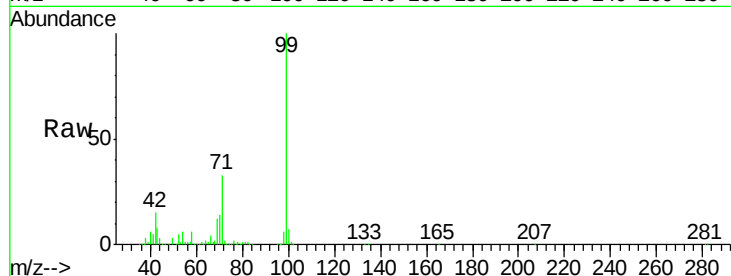
Tot Ion: 99 Resp: 1277598

Ion Ratio Lower Upper

99 100

42 15.1 13.6 20.4

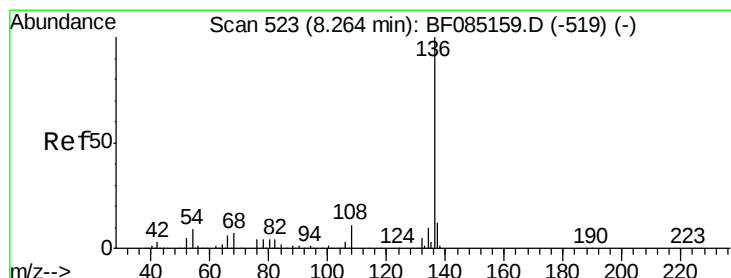
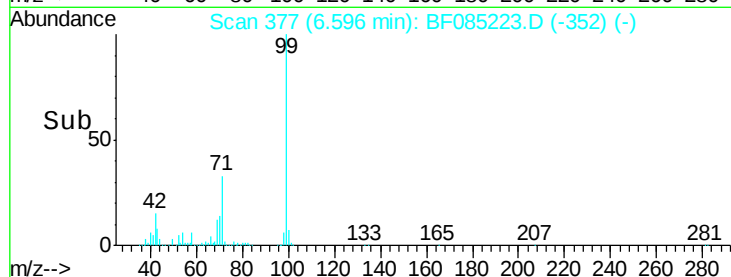
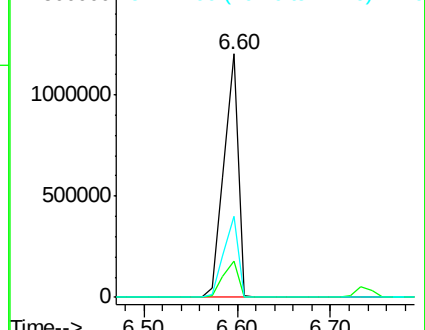
71 33.1 26.7 40.1



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: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Tgt Ion: 136 Resp: 588277

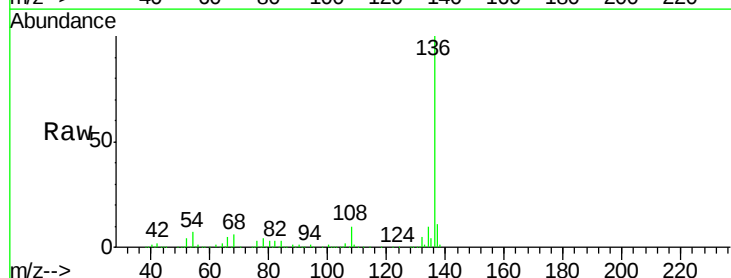
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 7.4 7.4 11.2#

68 6.4 6.0 9.0

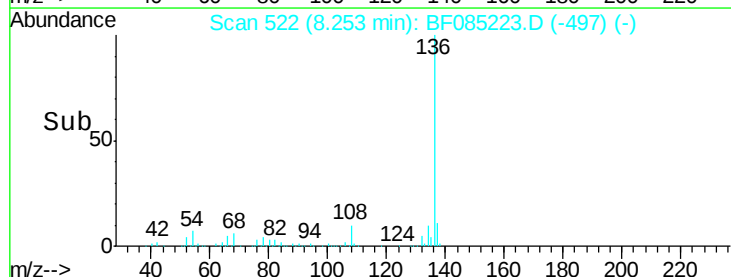
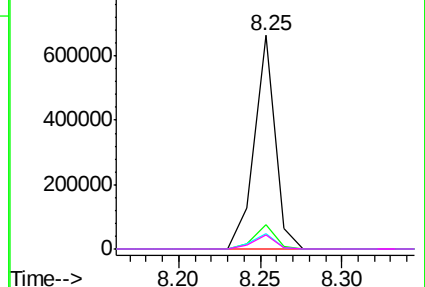


Abundance Ion 136.00 (135.70 to 136.70): E

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

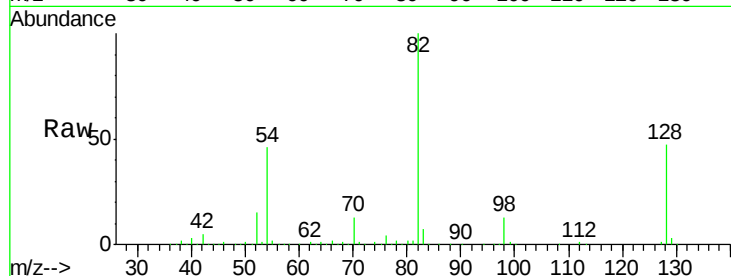




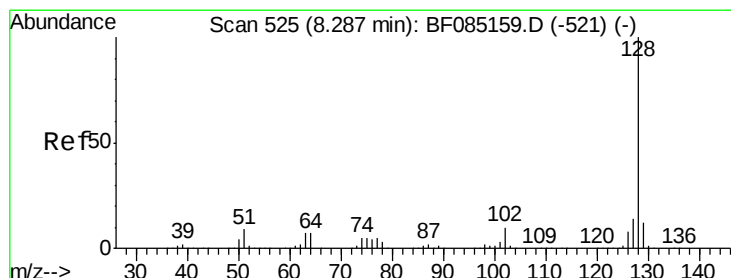
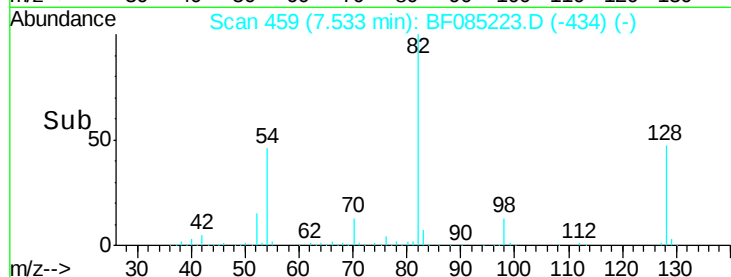
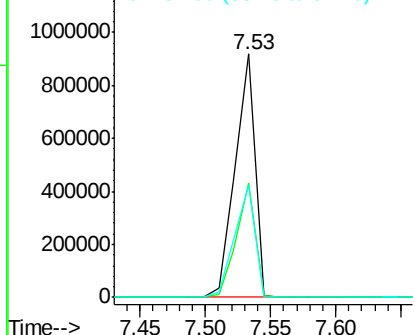
#23  
Nitrobenzene-d5  
Concen: 87.36 ng  
RT: 7.53 min Scan# 459  
Delta R.T. -0.01 min  
Lab File: BF085223.D  
Acq: 5 Mar 2016 00:48

Instrument :  
BNA\_F  
ClientSampleId :  
SP-001(0-2)

Tot Ion: 82 Resp: 960391  
Ion Ratio Lower Upper  
82 100  
128 46.8 34.5 51.7  
54 45.9 39.3 58.9

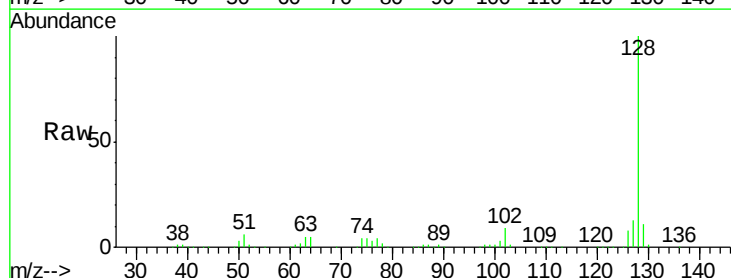


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

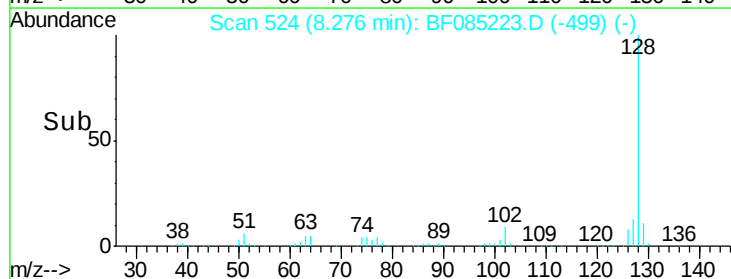
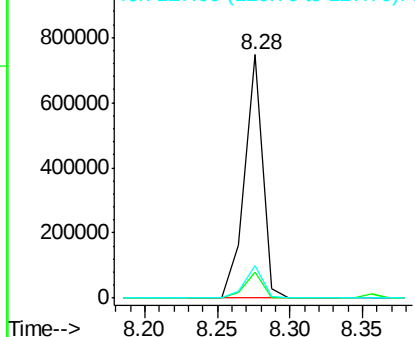


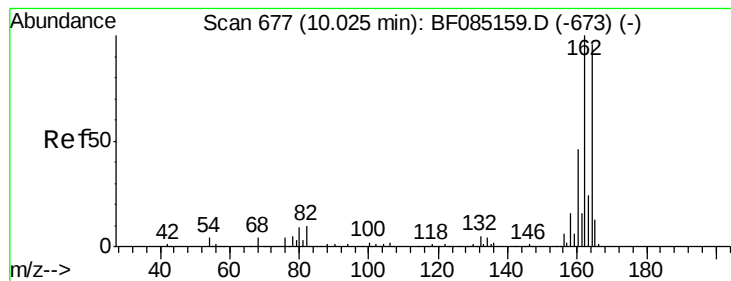
#31  
Naphthalene  
Concen: 22.40 ng  
RT: 8.28 min Scan# 524  
Delta R.T. -0.01 min  
Lab File: BF085223.D  
Acq: 5 Mar 2016 00:48

Tgt Ion: 128 Resp: 648055  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.7 14.5  
127 13.2 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Instrument :

BNA\_F

ClientSampleId :

SP-001(0-2)

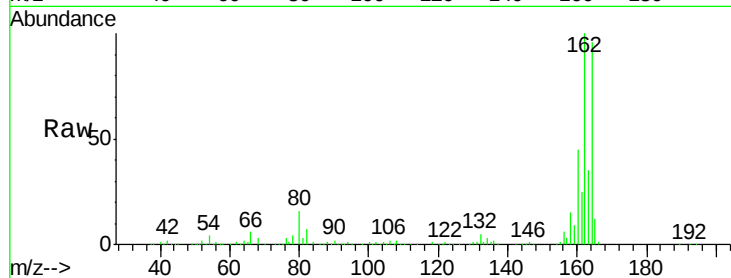
Tot Ion:164 Resp: 272165

Ion Ratio Lower Upper

164 100

162 104.3 83.3 124.9

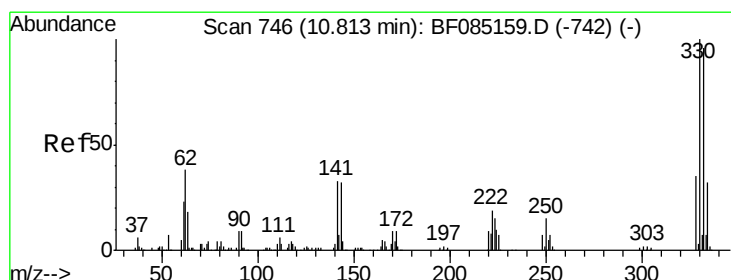
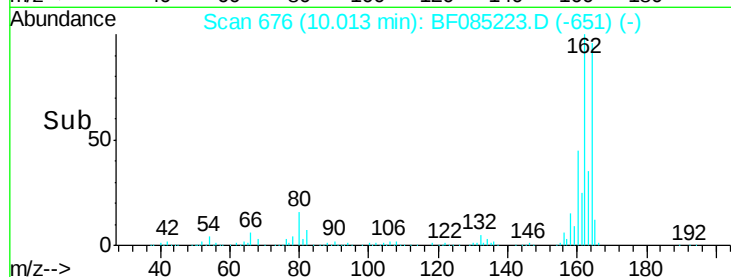
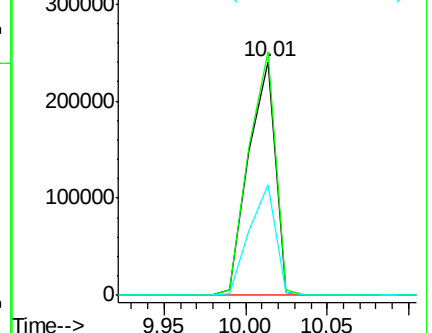
160 47.3 37.9 56.9



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: 160.88 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

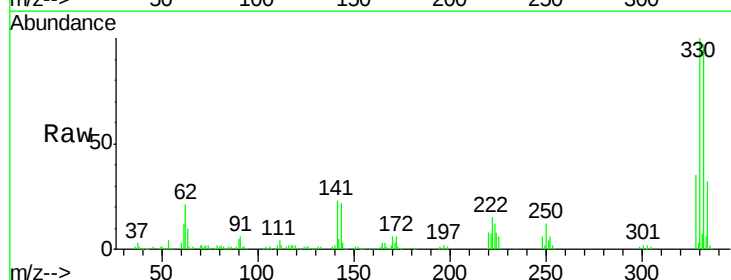
Tgt Ion:330 Resp: 374653

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

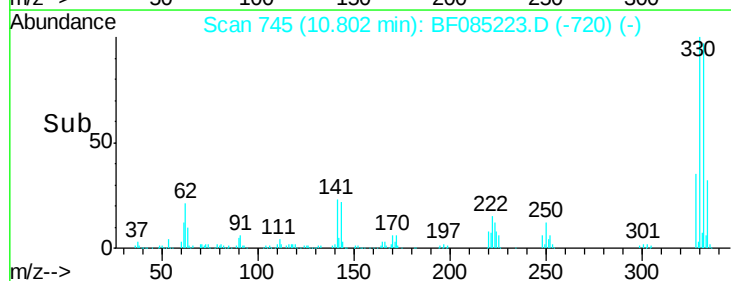
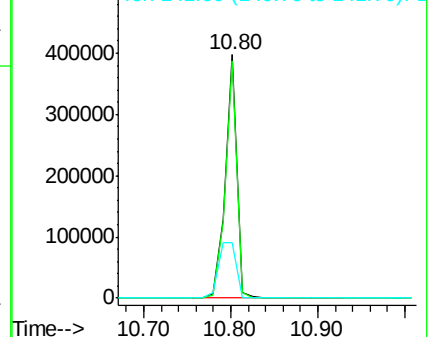
141 35.4 35.0 52.6

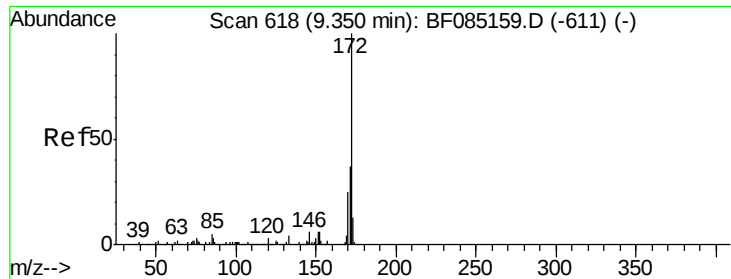


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.58 ng

RT: 9.33 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Instrument :

BNA\_F

ClientSampleId :

SP-001(0-2)

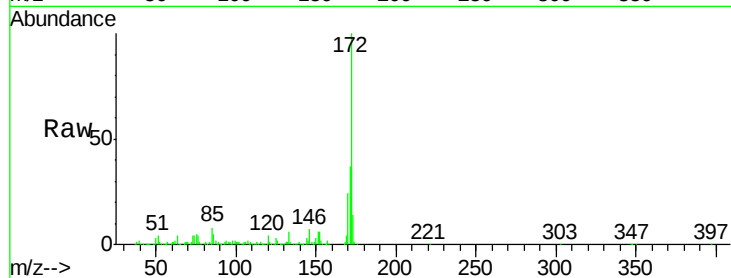
Tot Ion:172 Resp: 1442109

Ion Ratio Lower Upper

172 100

171 36.6 29.3 43.9

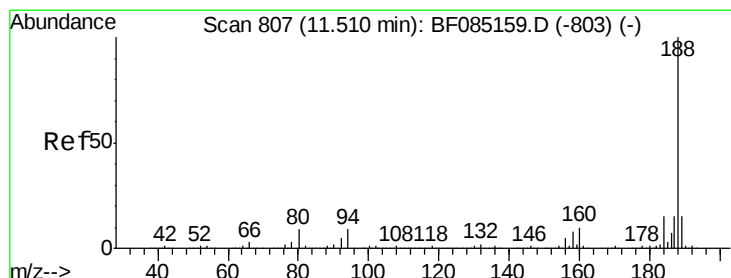
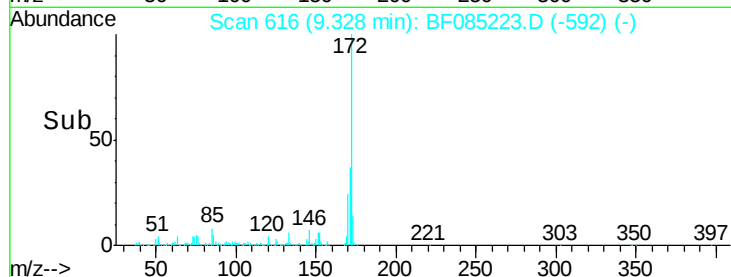
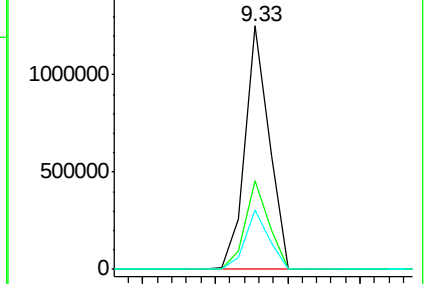
170 24.5 20.0 30.0



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: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

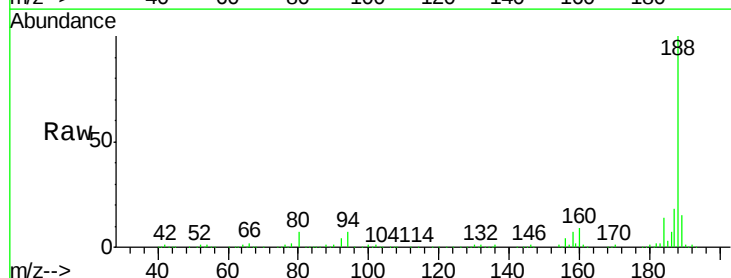
Tgt Ion:188 Resp: 529675

Ion Ratio Lower Upper

188 100

94 6.8 7.0 10.6#

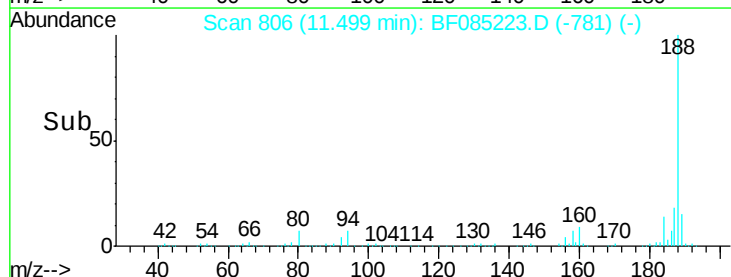
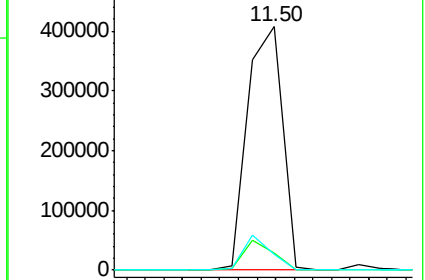
80 6.7 7.4 11.0#

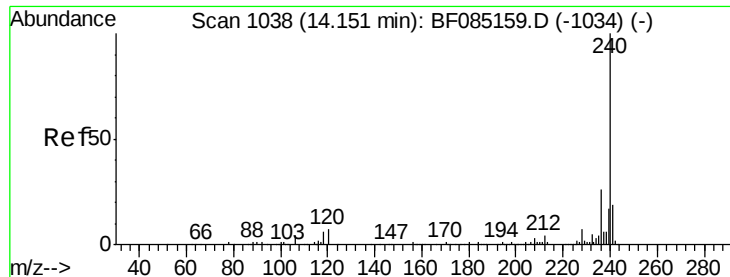


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

Instrument :

BNA\_F

ClientSampleId :

SP-001(0-2)

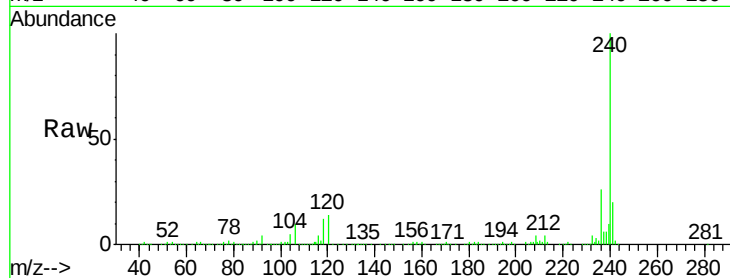
Tot Ion:240 Resp: 354400

Ion Ratio Lower Upper

240 100

120 14.1 5.3 7.9#

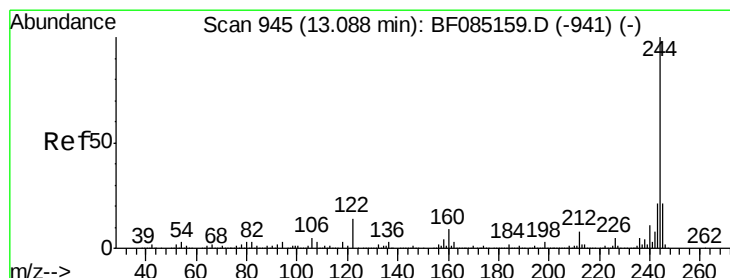
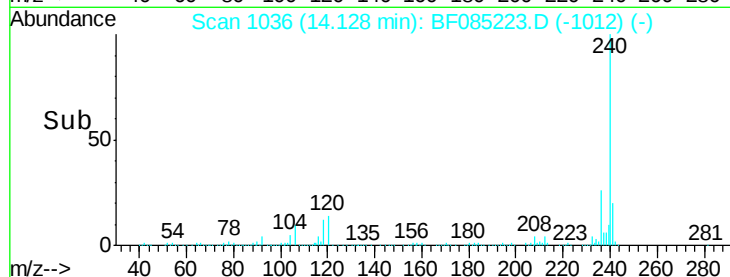
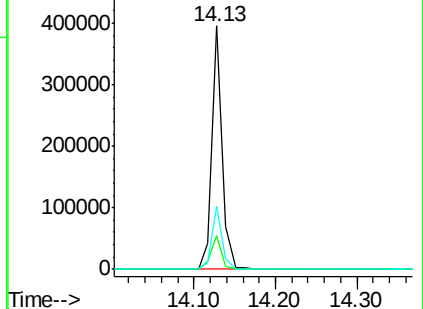
236 26.1 20.7 31.1



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: 99.85 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085223.D

Acq: 5 Mar 2016 00:48

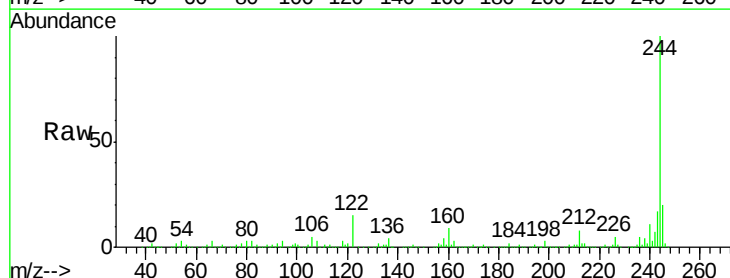
Tgt Ion:244 Resp: 1524302

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

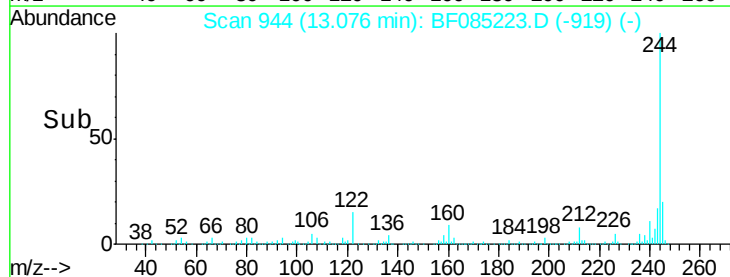
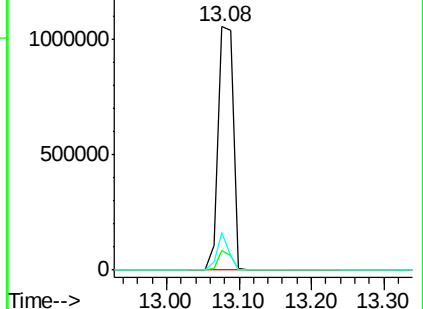
122 15.3 11.4 17.2

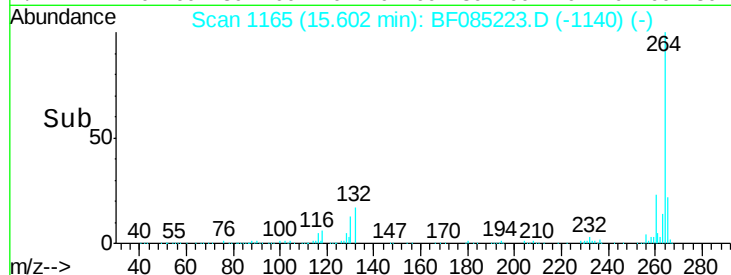
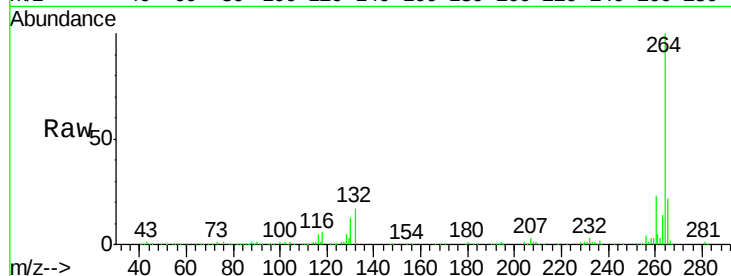
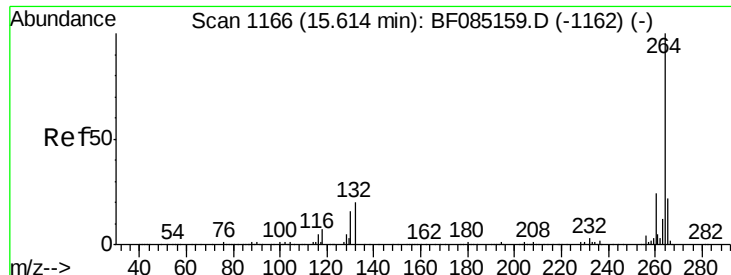


Abundance Ion 244.00 (243.70 to 244.70): E

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# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF085223.D  
 Acq: 5 Mar 2016 00:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-001(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.6  | 17.3  | 25.9  |

