

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082415\  
 Data File : BF081189.D  
 Acq On : 25 Aug 2015 2:11  
 Operator : UM/IZ  
 Sample : G3388-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(3-3.5)BGS

Quant Time: Aug 25 02:51:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 24 23:49:48 2015  
 Response via : Initial Calibration

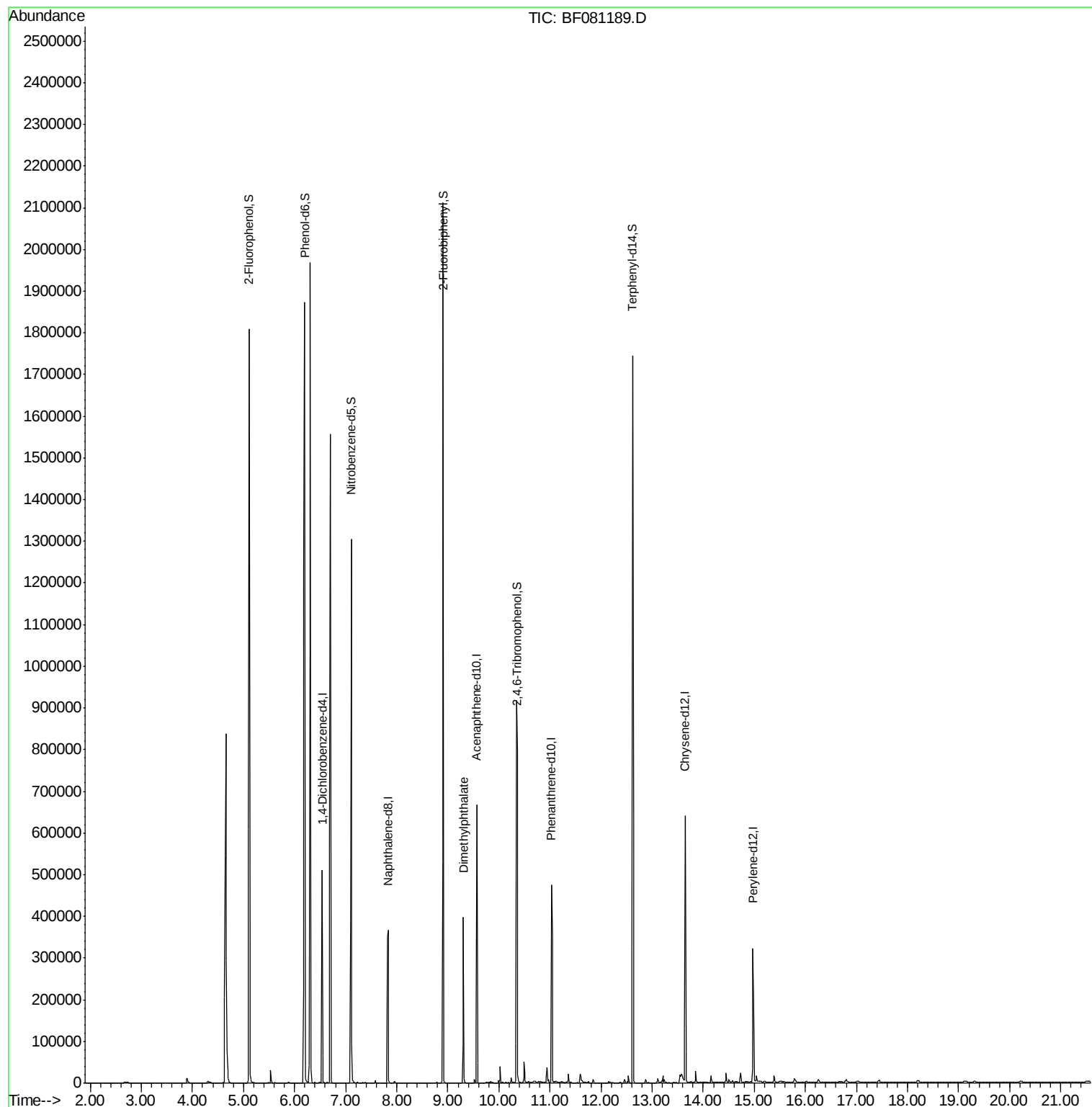
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.54  | 152  | 64448    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.83  | 136  | 242563   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.57  | 164  | 120571   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.03 | 188  | 234300   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.65 | 240  | 206653   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 14.97 | 264  | 144100   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.11  | 112  | 490777   | 114.54 | ng    | 0.01         |
| 7) Phenol-d6                | 6.20  | 99   | 786684   | 140.71 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.11  | 82   | 412967   | 77.77  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.36 | 330  | 140252   | 134.19 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 8.90  | 172  | 607610   | 66.03  | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.62 | 244  | 591522   | 61.36  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.30  | 163  | 150541   | 15.16  | ng    | Qvalue<br>99 |

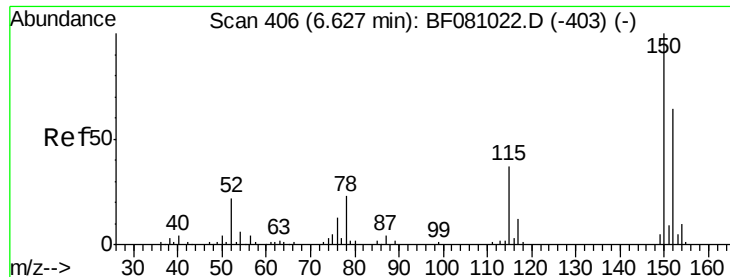
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082415\  
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BNA\_F  
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SB-3(3-3.5)BGS

Quant Time: Aug 25 02:51:29 2015  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 24 23:49:48 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB-3(3-3.5)BGS

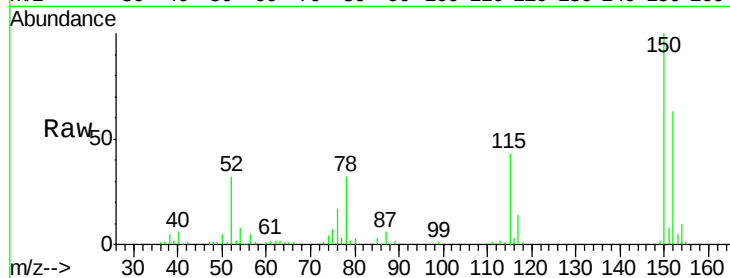
Tgt Ion:152 Resp: 64448

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.6

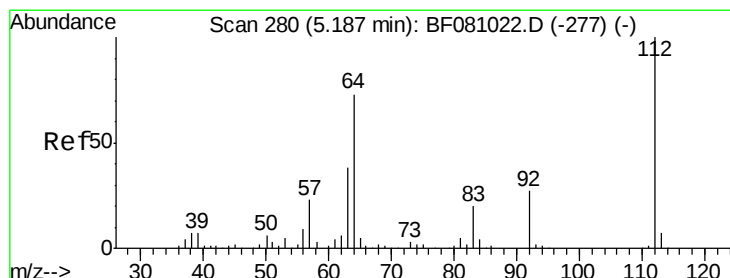
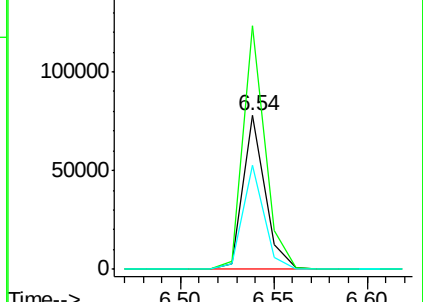
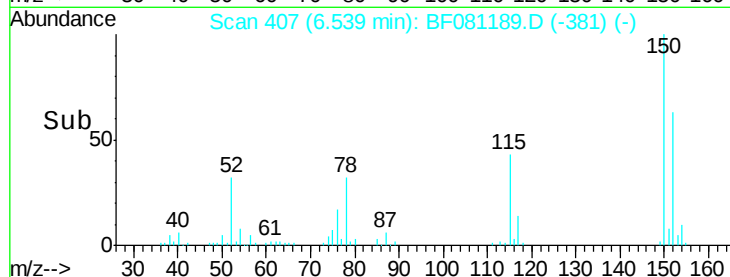
115 68.1 52.1 78.1



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: 114.54 ng

RT: 5.11 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

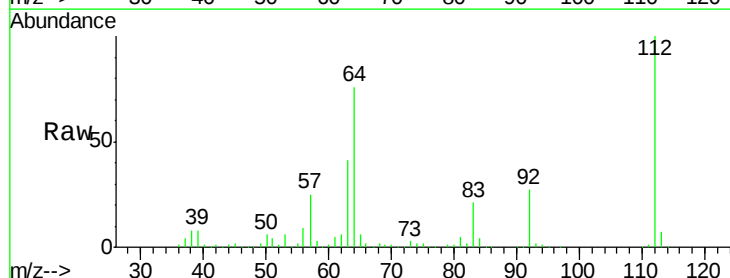
Tgt Ion:112 Resp: 490777

Ion Ratio Lower Upper

112 100

64 76.5 66.9 100.3

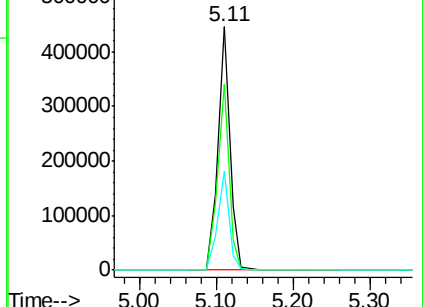
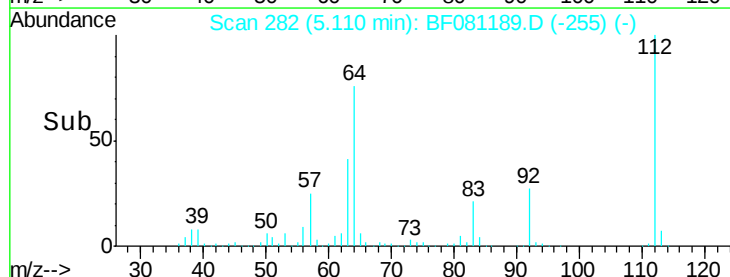
63 40.7 38.1 57.1

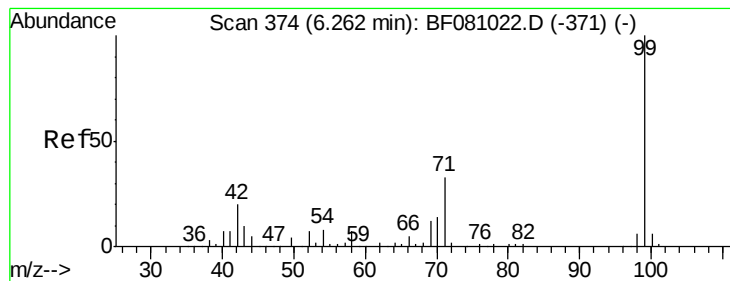


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.71 ng

RT: 6.20 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB-3(3-3.5)BGS

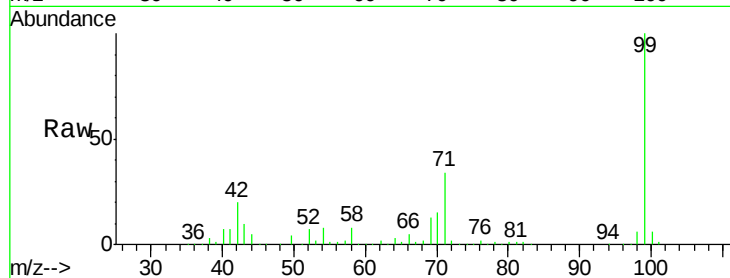
Tgt Ion: 99 Resp: 786684

Ion Ratio Lower Upper

99 100

42 19.8 19.6 29.4

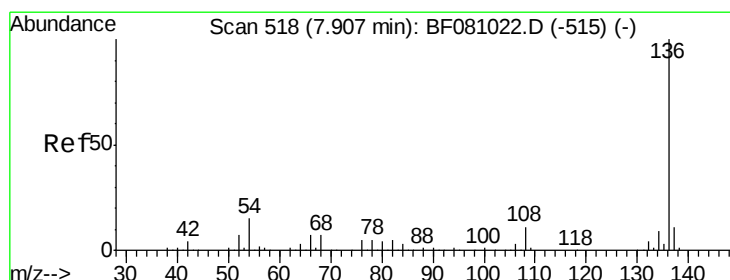
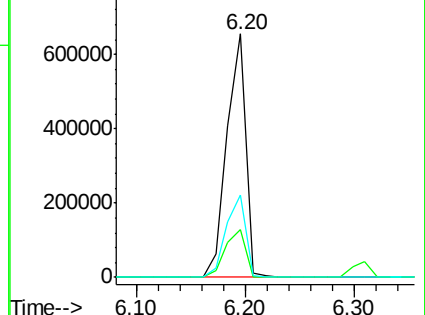
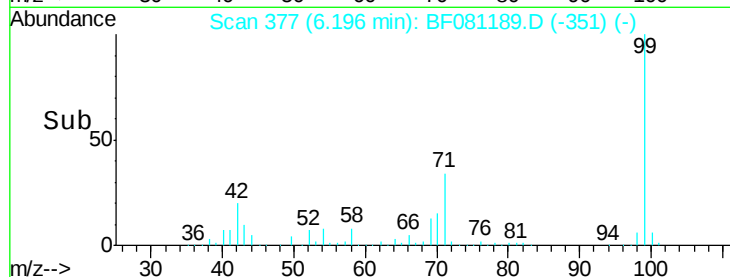
71 33.8 31.2 46.8



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: 7.83 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Tgt Ion: 136 Resp: 242563

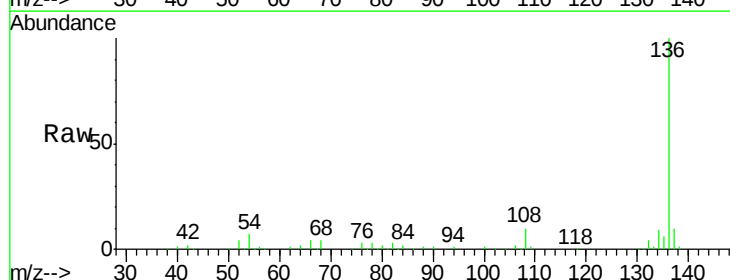
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.2

54 7.4 7.7 11.5#

68 4.1 3.4 5.2

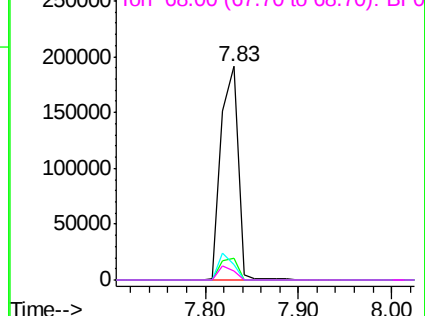
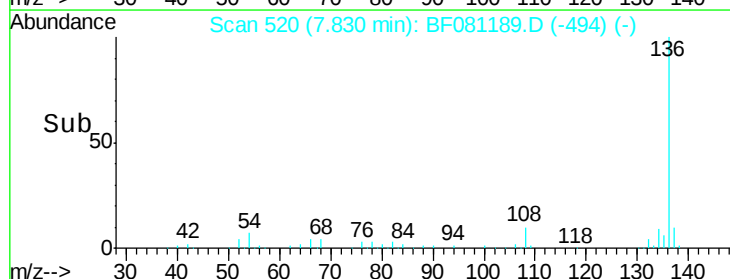


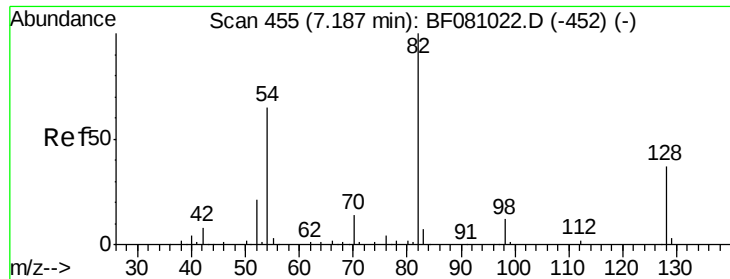
Abundance Ion 136.00 (135.70 to 136.70): E

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

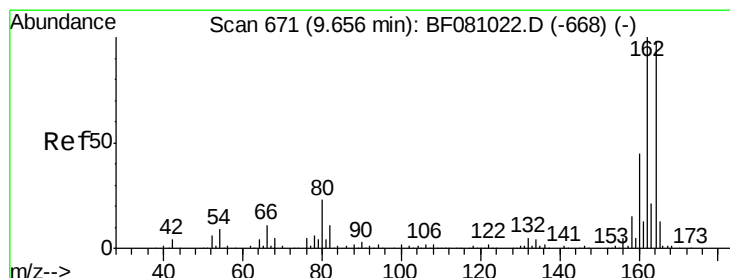
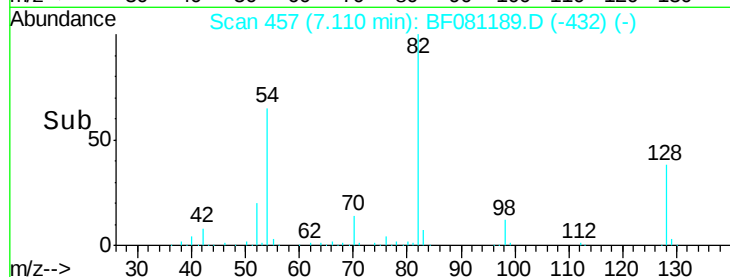
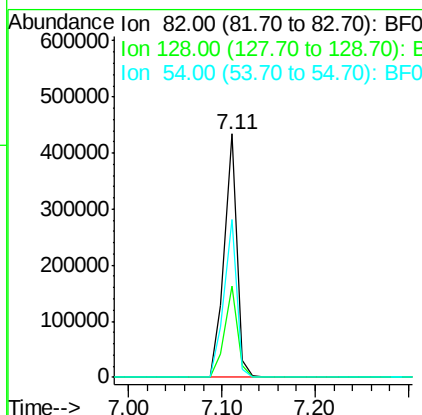
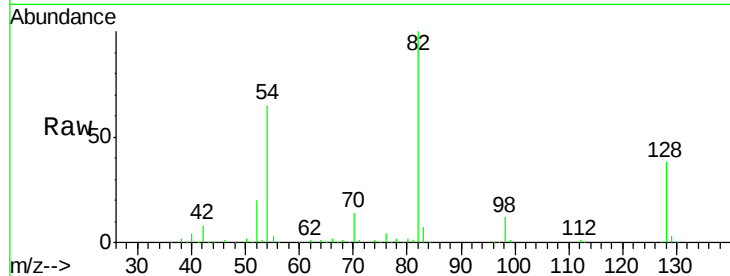




#23  
 Nitrobenzene-d5  
 Concen: 77.77 ng  
 RT: 7.11 min Scan# 457  
 Delta R.T. -0.01 min  
 Lab File: BF081189.D  
 Acq: 25 Aug 2015 2:11

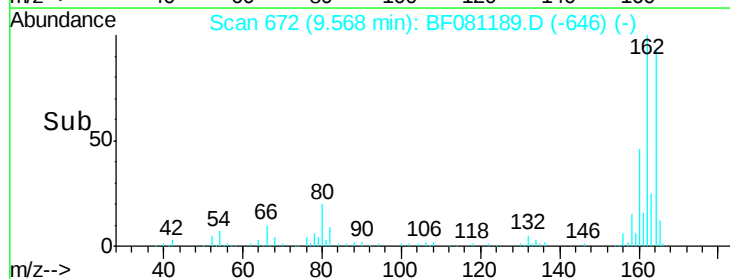
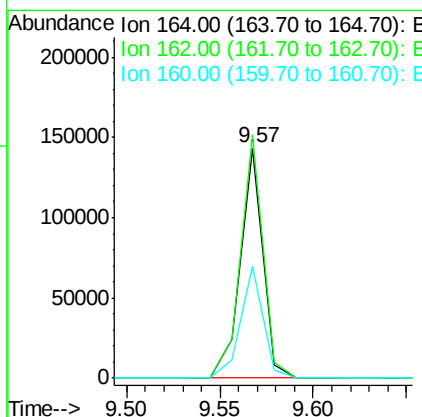
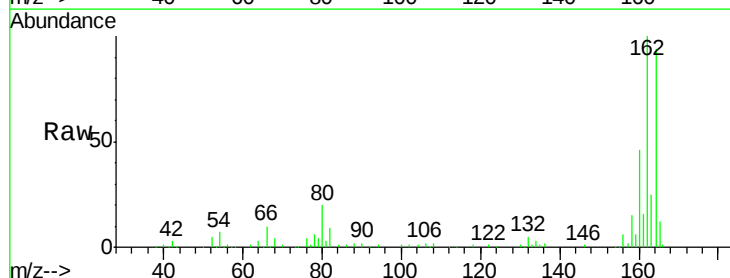
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(3-3.5)BGS

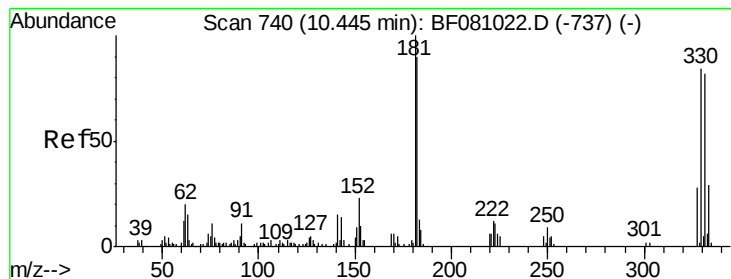
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.6  | 28.6  | 42.8  |
| 54      | 64.7  | 55.1  | 82.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.57 min Scan# 672  
 Delta R.T. -0.00 min  
 Lab File: BF081189.D  
 Acq: 25 Aug 2015 2:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.0 | 83.8  | 125.8 |
| 160     | 48.5  | 39.8  | 59.8  |





#41

2,4,6-Tribromophenol

Concen: 134.19 ng

RT: 10.36 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB-3(3-3.5)BGS

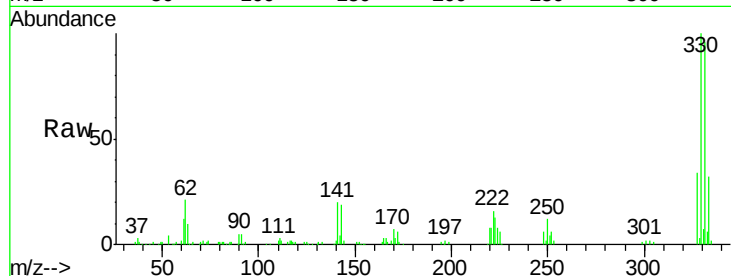
Tgt Ion:330 Resp: 140252

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

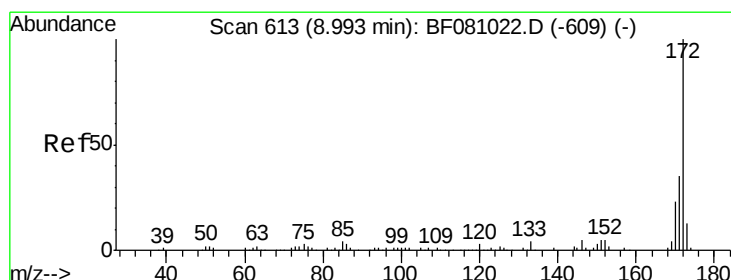
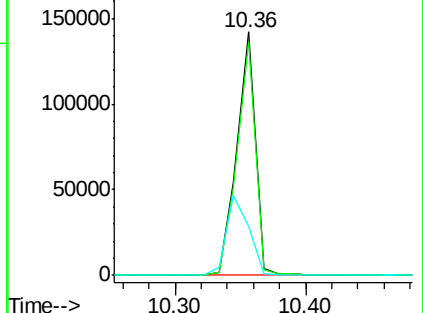
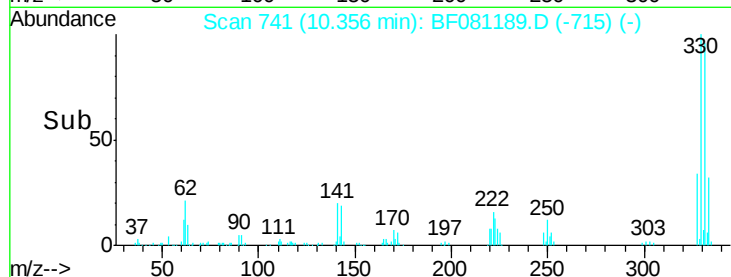
141 39.6 44.9 67.3#



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: 66.03 ng

RT: 8.90 min Scan# 614

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

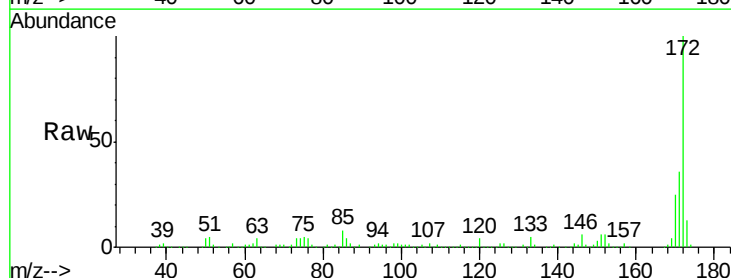
Tgt Ion:172 Resp: 607610

Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

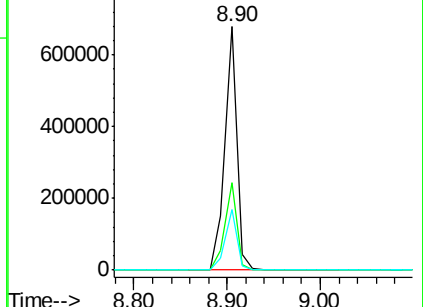
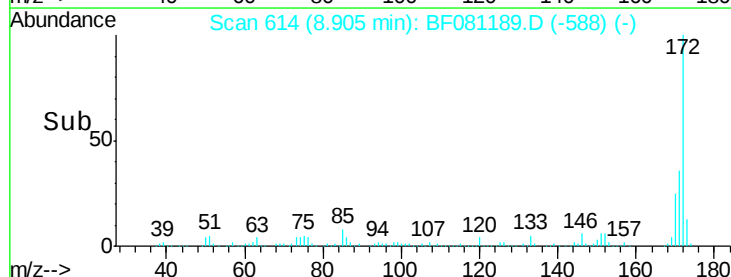
170 24.6 19.4 29.2

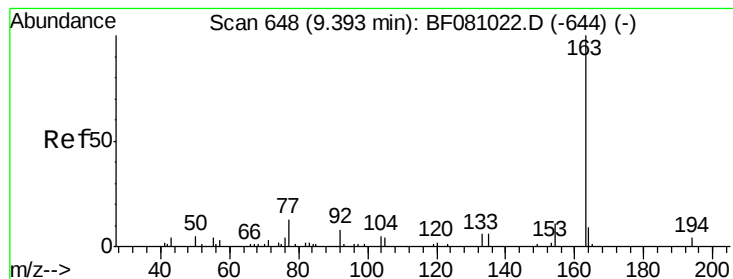


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.16 ng

RT: 9.30 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB-3(3-3.5)BGS

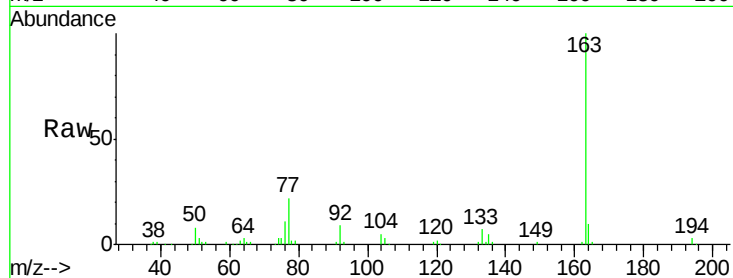
Tgt Ion:163 Resp: 150541

Ion Ratio Lower Upper

163 100

194 3.3 2.5 3.7

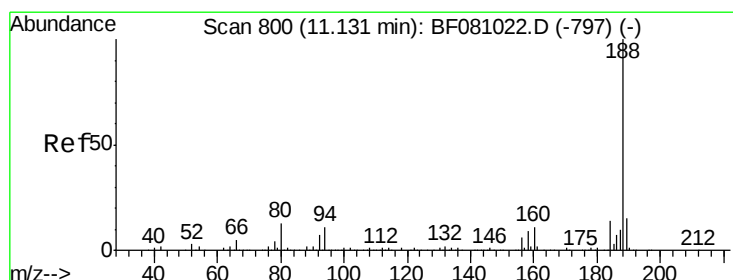
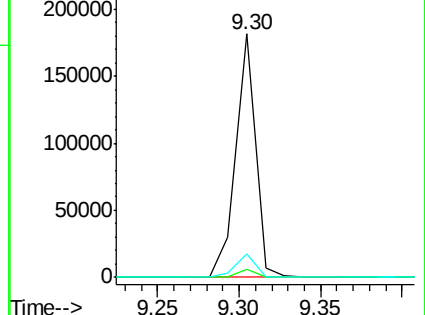
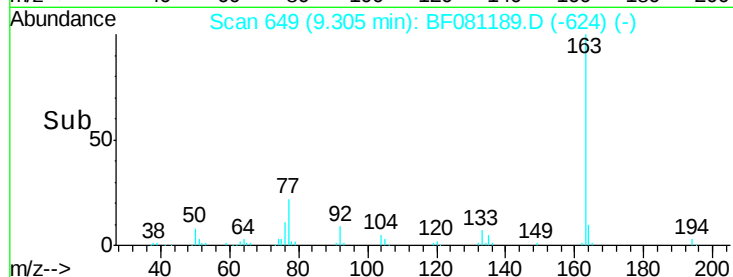
164 9.5 8.1 12.1



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: 11.03 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

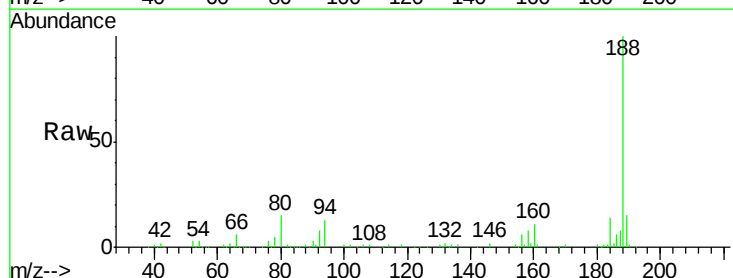
Tgt Ion:188 Resp: 234300

Ion Ratio Lower Upper

188 100

94 13.0 8.2 12.2#

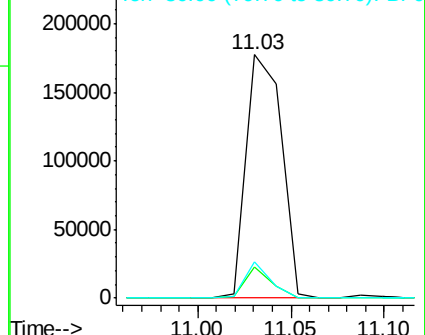
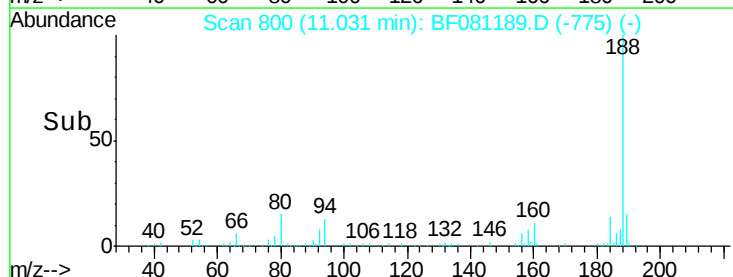
80 15.1 9.5 14.3#

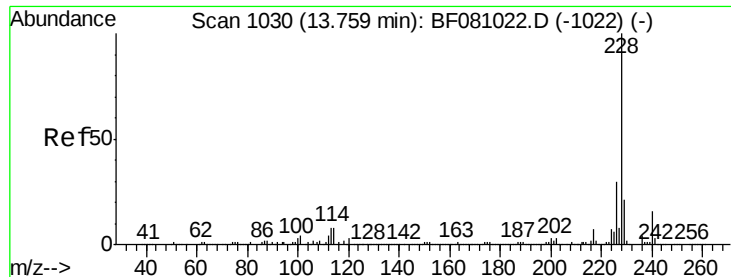


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

Instrument :

BNA\_F

ClientSampleId :

SB-3(3-3.5)BGS

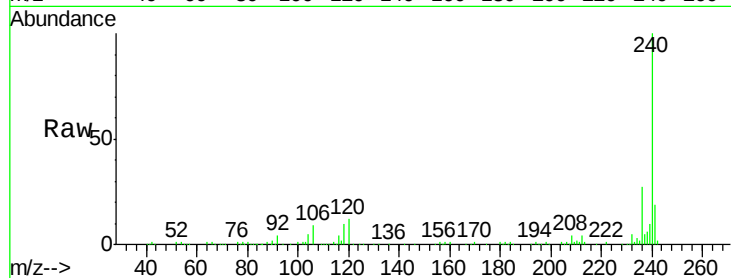
Tgt Ion:240 Resp: 206653

Ion Ratio Lower Upper

240 100

120 11.7 5.6 8.4#

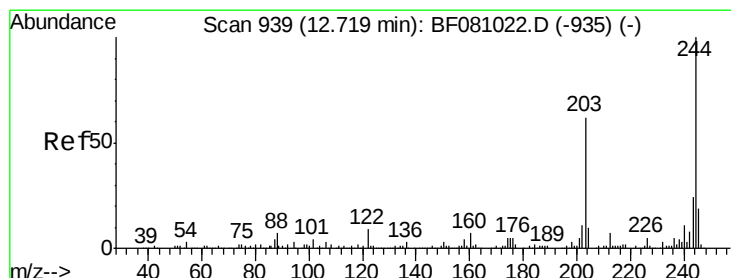
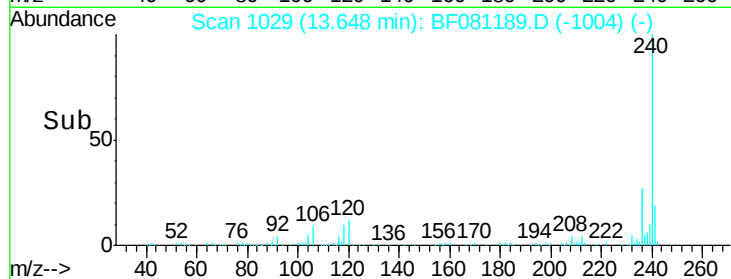
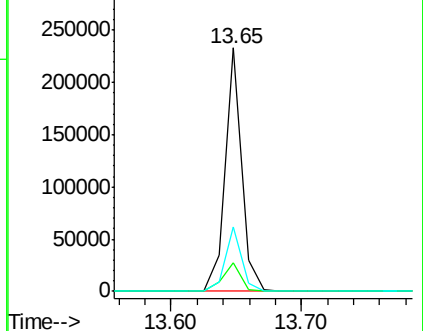
236 26.6 20.6 30.8



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: 61.36 ng

RT: 12.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF081189.D

Acq: 25 Aug 2015 2:11

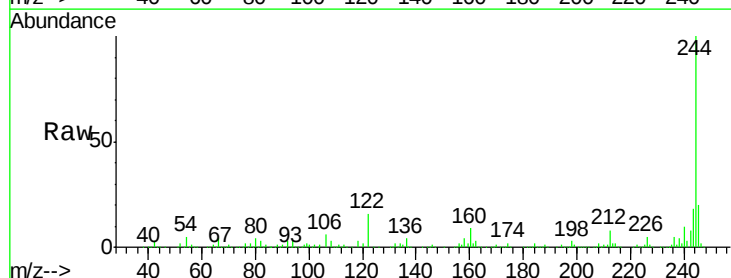
Tgt Ion:244 Resp: 591522

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

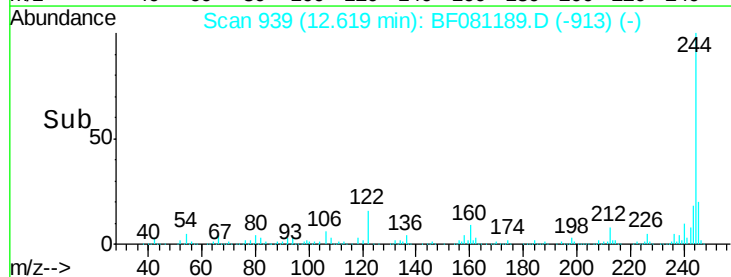
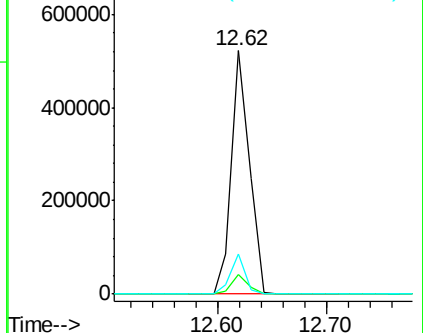
122 16.4 8.2 12.4#

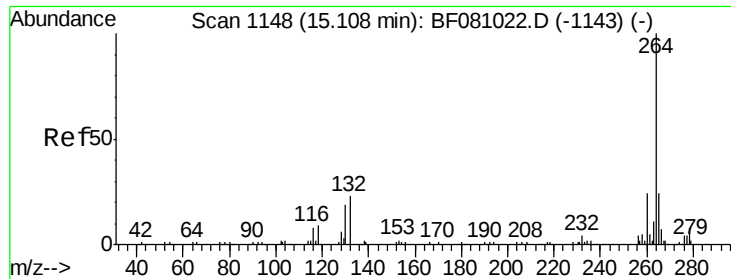


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.97 min Scan# 1145  
Delta R.T. -0.01 min  
Lab File: BF081189.D  
Acq: 25 Aug 2015 2:11

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(3-3.5)BGS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 19.6  | 29.4  |
| 265     | 22.2  | 17.5  | 26.3  |

