

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020216\  
 Data File : BF084763.D  
 Acq On : 3 Feb 2016 00:41  
 Operator : SJ/IZ  
 Sample : PB88115BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88115BL

Quant Time: Feb 03 02:48:46 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

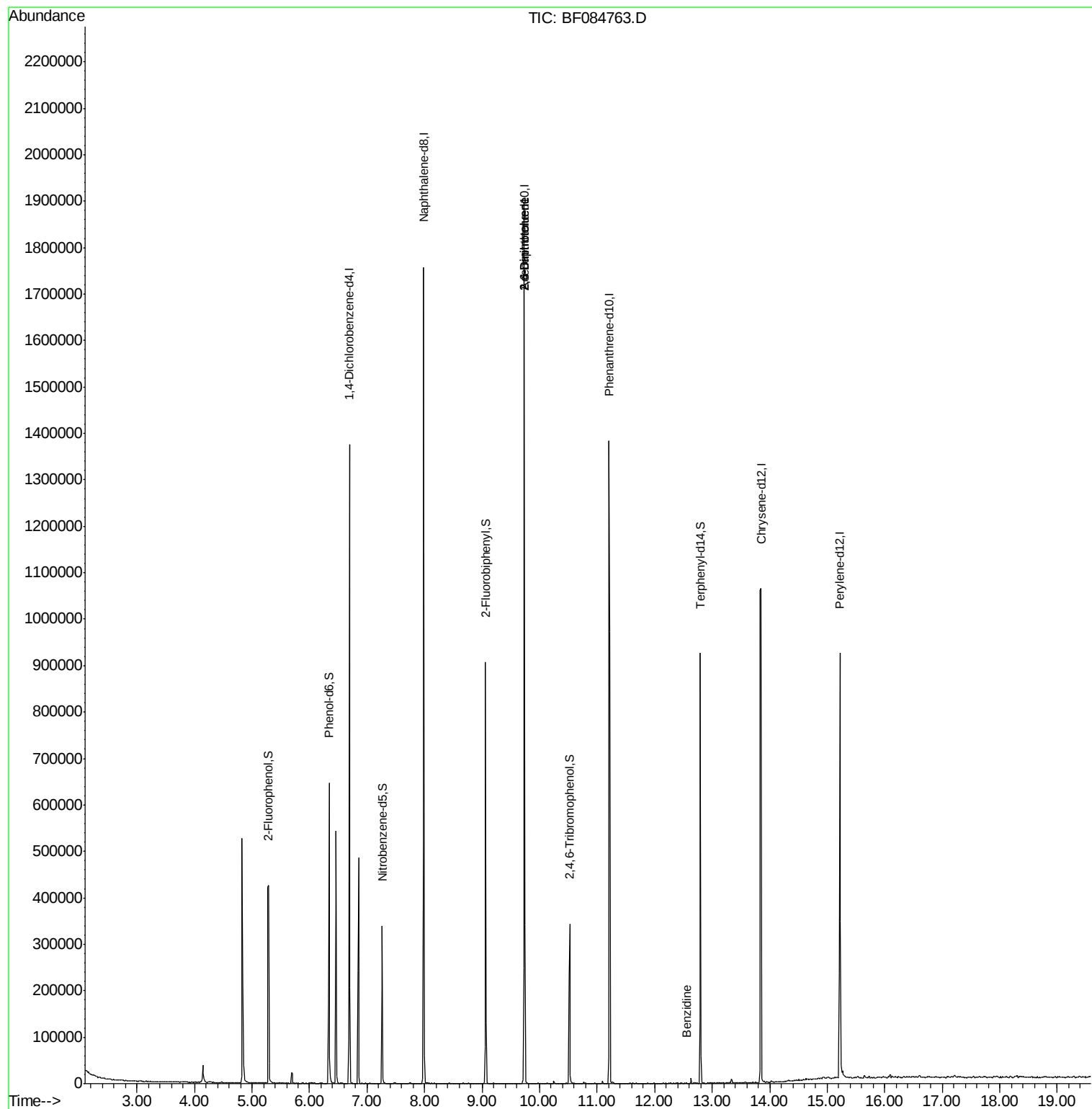
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 182652   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 7.98  | 136  | 810191   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.73  | 164  | 368444   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 673515   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 13.85 | 240  | 573203   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.22 | 264  | 393713   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 178765   | 15.24 | ng    | -0.02    |
| 7) Phenol-d6                | 6.34  | 99   | 225706   | 15.53 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 130526   | 9.08  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 54236    | 14.11 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 262879   | 8.34  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.80 | 244  | 270964   | 10.71 | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       |          |
| 50) 2,6-Dinitrotoluene      | 9.73  | 165  | 48047    | 7.84  | ng    | # 37     |
| 56) 2,4-Dinitrotoluene      | 9.73  | 165  | 48047    | 6.14  | ng    | # 21     |
| 76) Benzidine               | 12.56 | 184  | 1682     | 6.95  | ng    | # 66     |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

Instrument :

BNA\_F

ClientSampleId :

PB88115BL

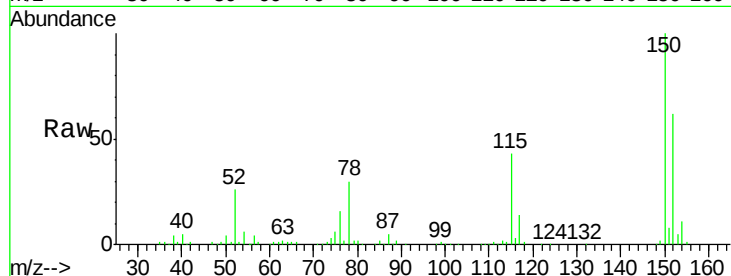
Tgt Ion:152 Resp: 182652

Ion Ratio Lower Upper

152 100

150 161.0 123.0 184.4

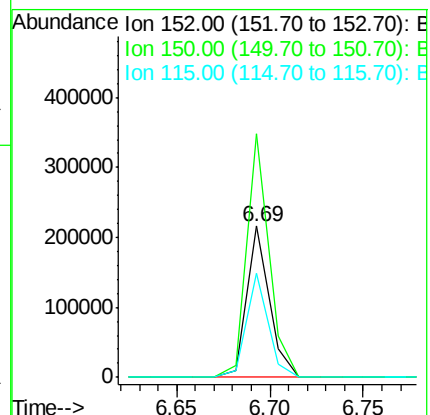
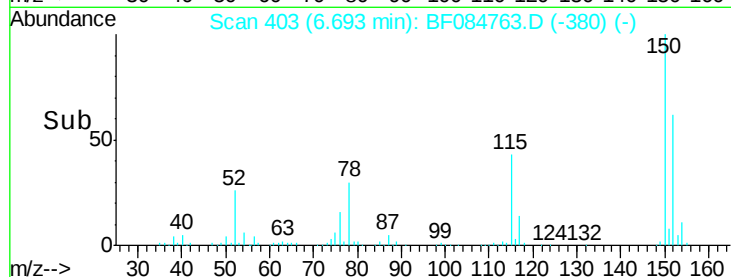
115 69.2 51.4 77.2



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: 15.24 ng

RT: 5.29 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

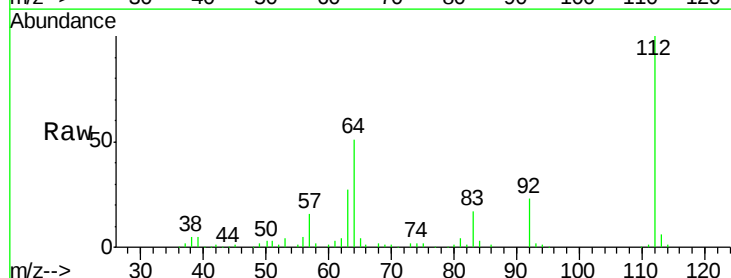
Tgt Ion:112 Resp: 178765

Ion Ratio Lower Upper

112 100

64 51.1 36.6 55.0

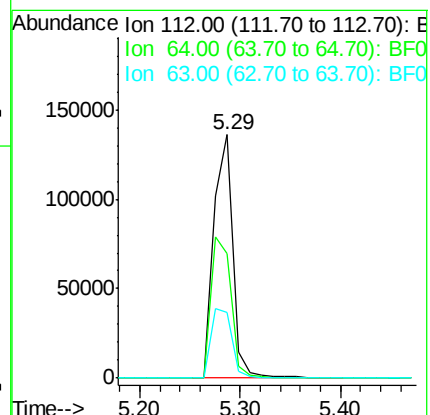
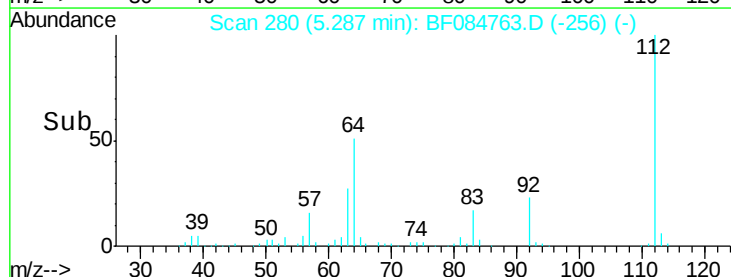
63 27.2 19.4 29.0



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: 15.53 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.03 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

Instrument :

BNA\_F

ClientSampleId :

PB88115BL

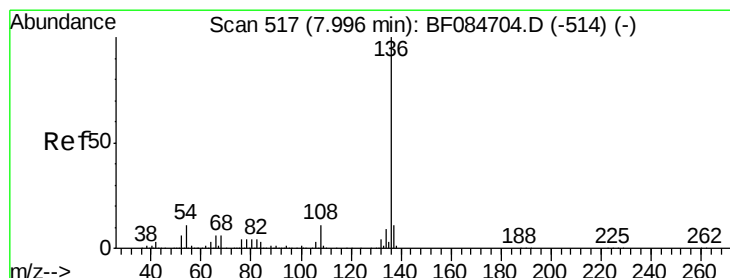
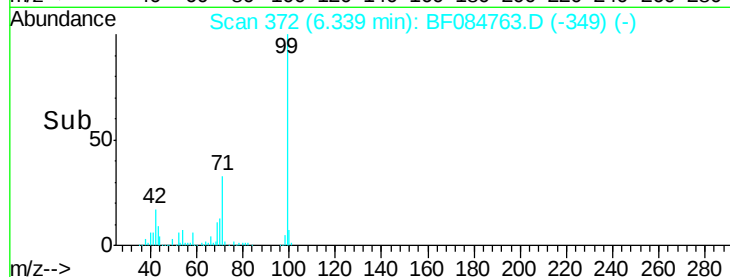
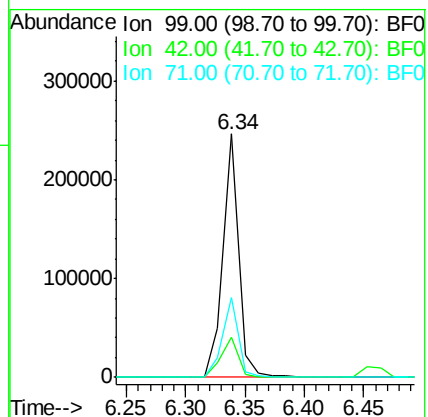
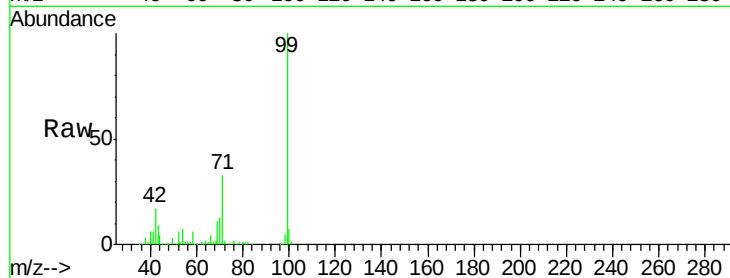
Tgt Ion: 99 Resp: 225706

Ion Ratio Lower Upper

99 100

42 16.7 12.8 19.2

71 32.5 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

Tgt Ion: 136 Resp: 810191

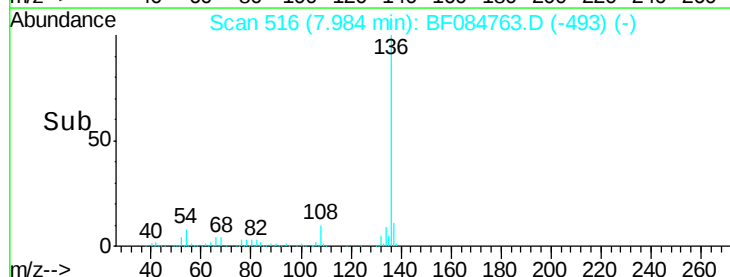
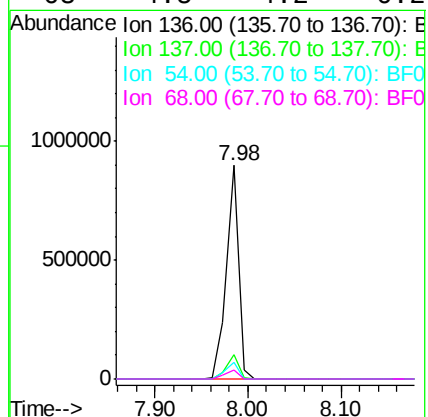
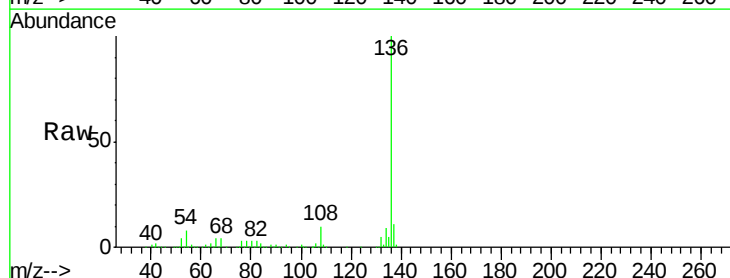
Ion Ratio Lower Upper

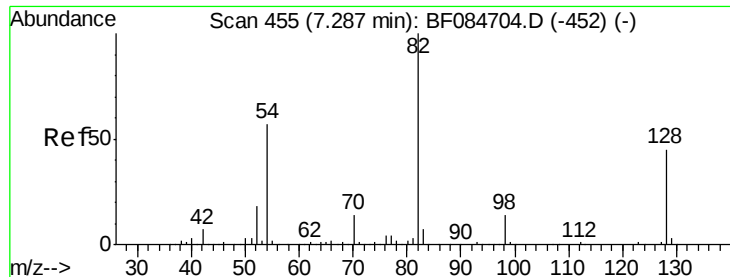
136 100

137 11.3 8.7 13.1

54 7.7 5.8 8.8

68 4.5 4.2 6.2

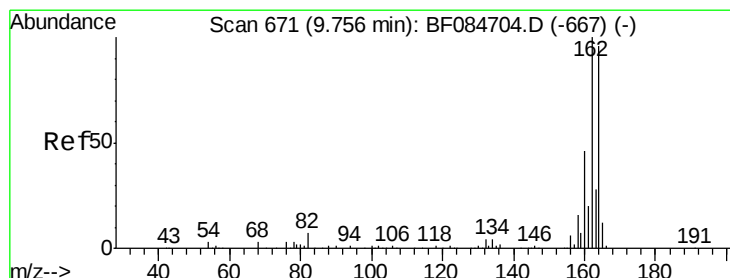
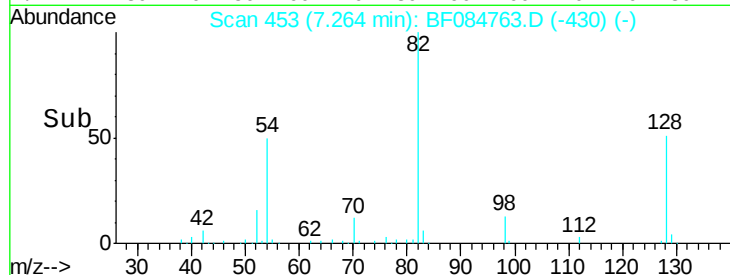
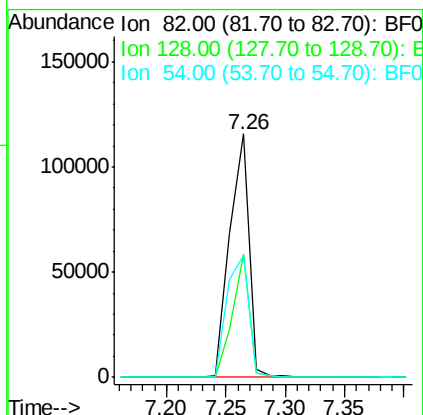
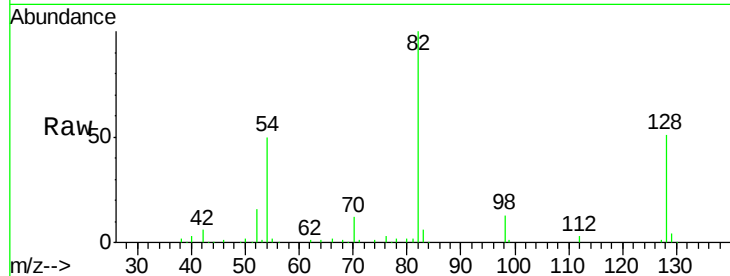




#23  
Nitrobenzene-d5  
Concen: 9.08 ng  
RT: 7.26 min Scan# 453  
Delta R.T. -0.03 min  
Lab File: BF084763.D  
Acq: 3 Feb 2016 00:41

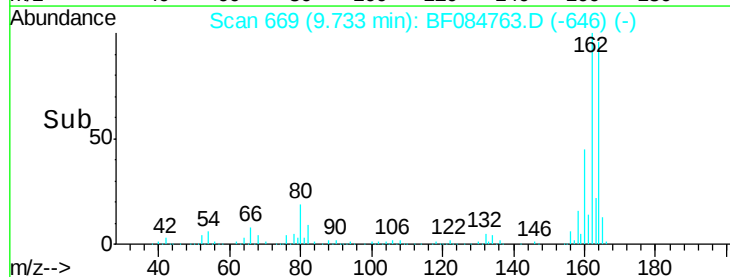
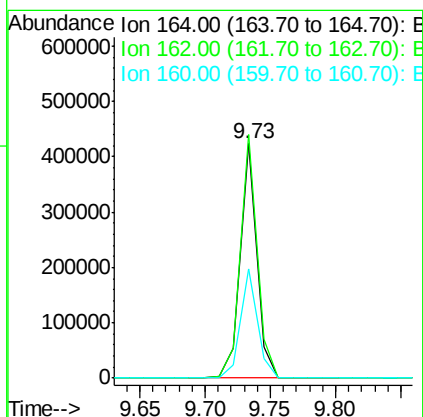
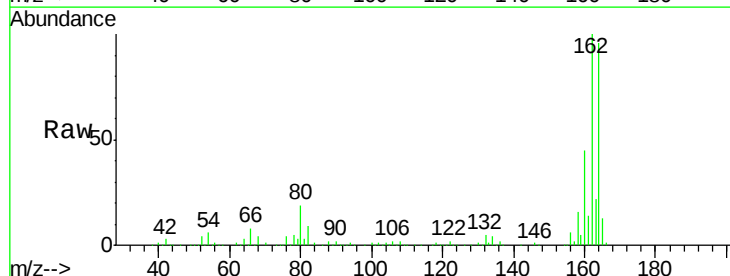
Instrument :  
BNA\_F  
ClientSampleId :  
PB88115BL

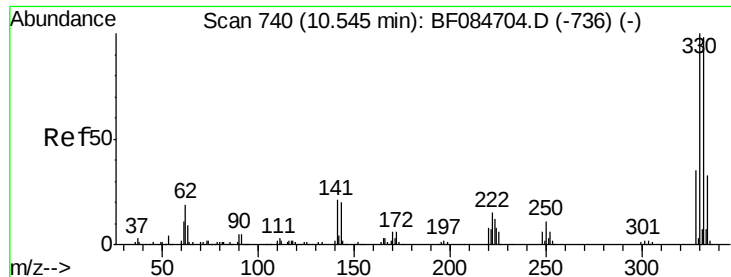
Tgt Ion: 82 Resp: 130526  
Ion Ratio Lower Upper  
82 100  
128 50.6 34.6 51.8  
54 50.0 38.4 57.6



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.73 min Scan# 669  
Delta R.T. -0.03 min  
Lab File: BF084763.D  
Acq: 3 Feb 2016 00:41

Tgt Ion: 164 Resp: 368444  
Ion Ratio Lower Upper  
164 100  
162 103.9 85.1 127.7  
160 46.6 37.5 56.3

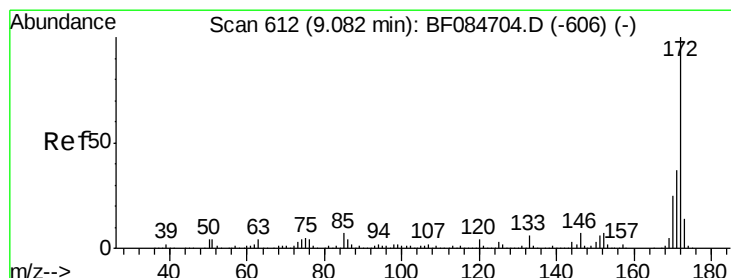
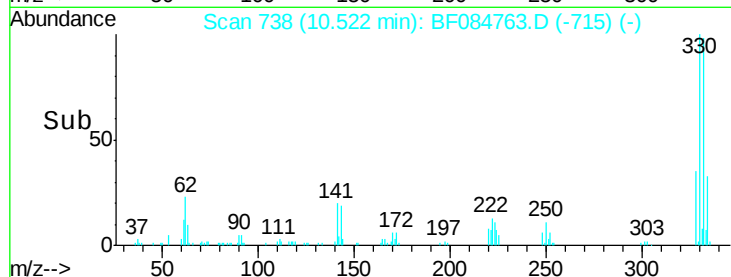
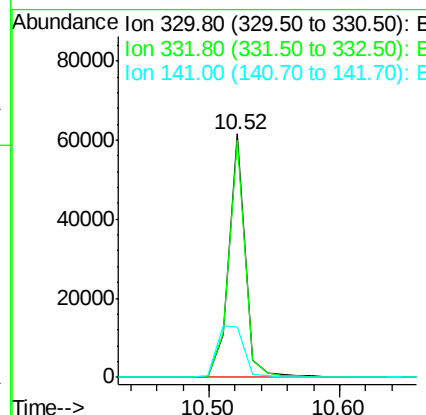
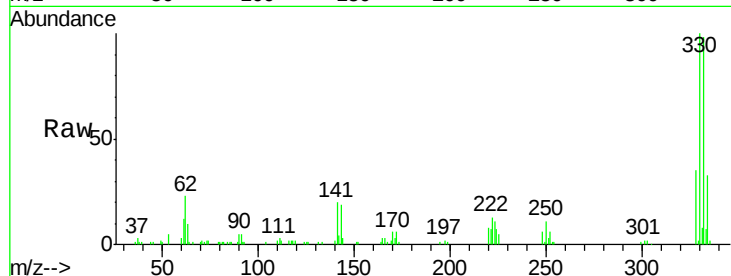




#41  
 2,4,6-Tribromophenol  
 Concen: 14.11 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. -0.03 min  
 Lab File: BF084763.D  
 Acq: 3 Feb 2016 00:41

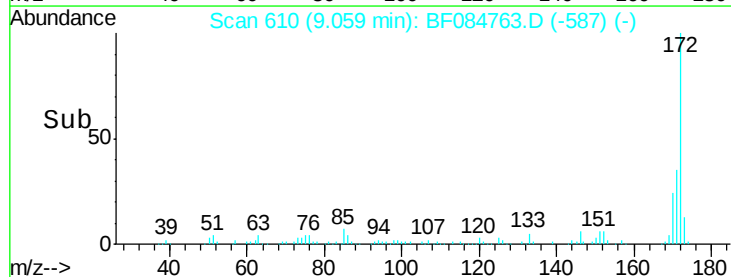
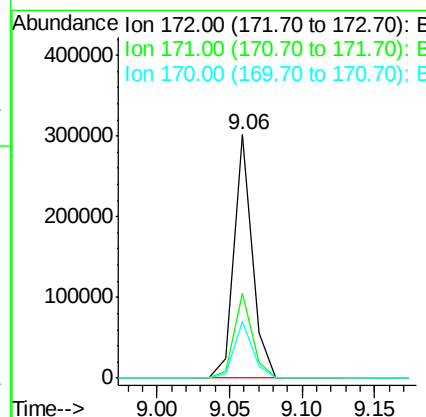
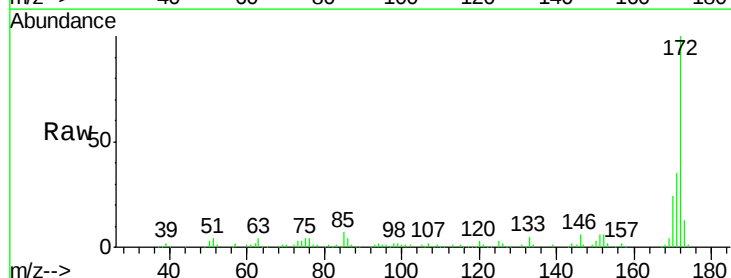
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88115BL

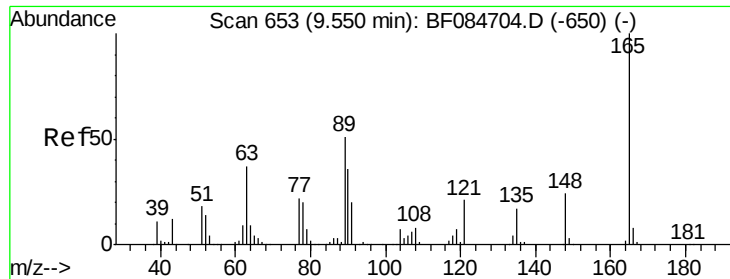
Tgt Ion:330 Resp: 54236  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.6 114.8  
 141 34.4 27.8 41.6



#44  
 2-Fluorobiphenyl  
 Concen: 8.34 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.03 min  
 Lab File: BF084763.D  
 Acq: 3 Feb 2016 00:41

Tgt Ion:172 Resp: 262879  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.9 43.3  
 170 23.5 18.6 27.8

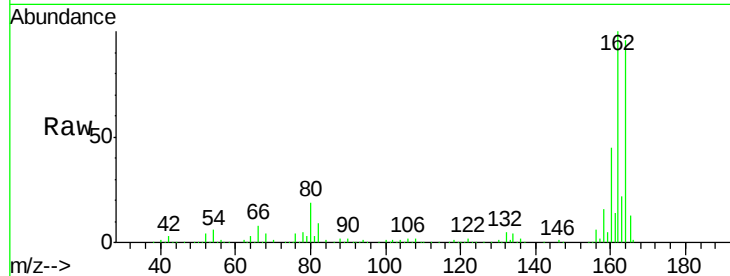




#50  
 2,6-Dinitrotoluene  
 Concen: 7.84 ng  
 RT: 9.73 min Scan# 669  
 Delta R.T. 0.17 min  
 Lab File: BF084763.D  
 Acq: 3 Feb 2016 00:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88115BL

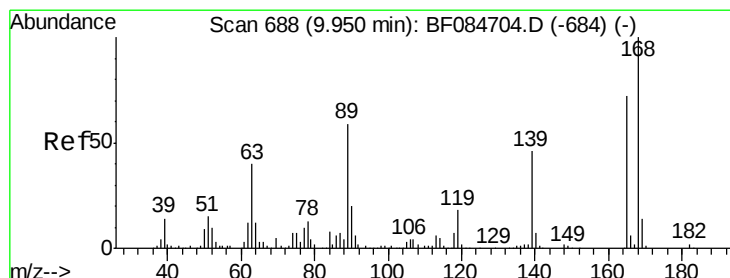
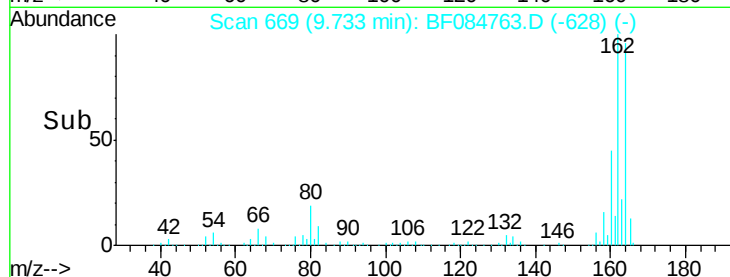
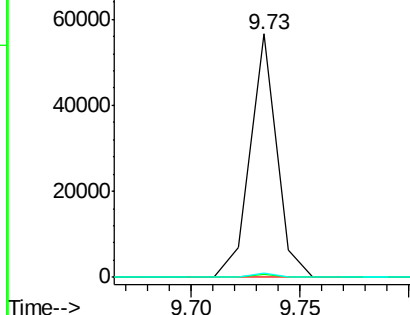
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 28.8  | 43.2# |
| 89      | 1.5   | 35.1  | 52.7# |



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.14 ng  
 RT: 9.73 min Scan# 669  
 Delta R.T. -0.23 min  
 Lab File: BF084763.D  
 Acq: 3 Feb 2016 00:41

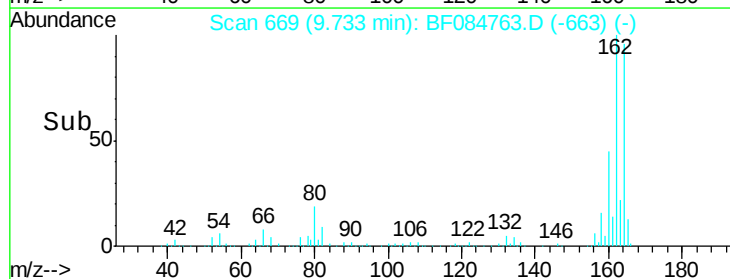
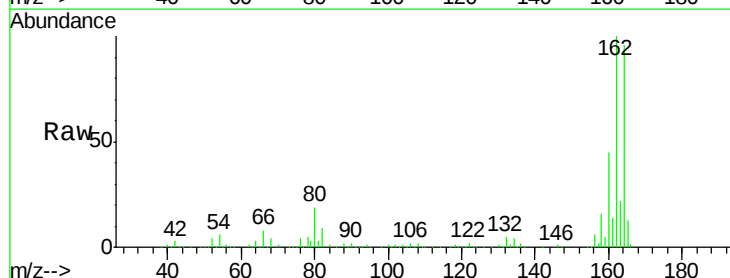
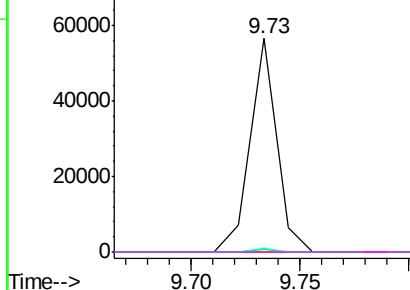
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 36.7  | 55.1# |
| 89      | 1.5   | 61.9  | 92.9# |
| 182     | 0.0   | 2.0   | 3.0#  |

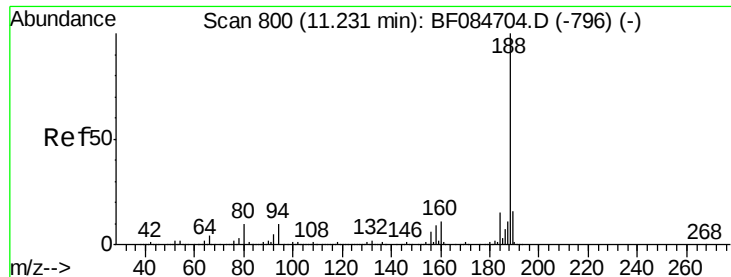
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

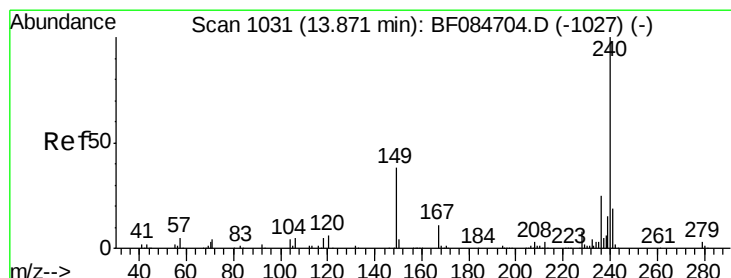
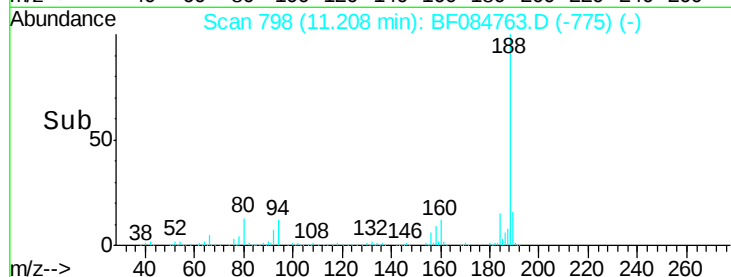
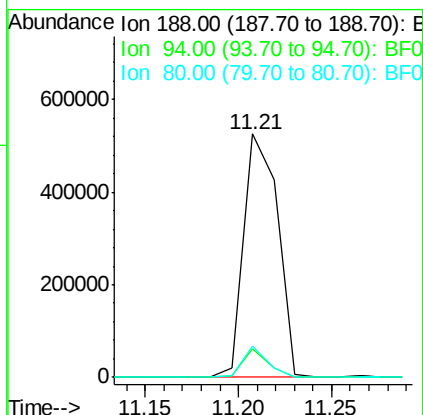
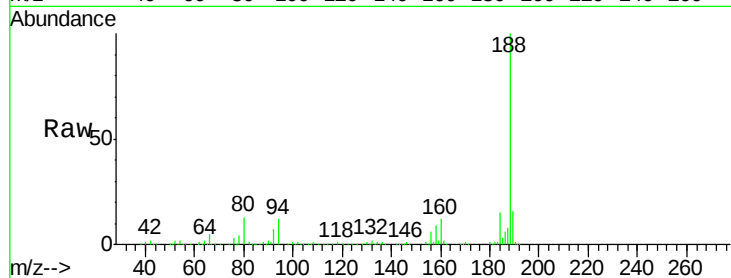




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.21 min Scan# 798  
Delta R.T. -0.03 min  
Lab File: BF084763.D  
Acq: 3 Feb 2016 00:41

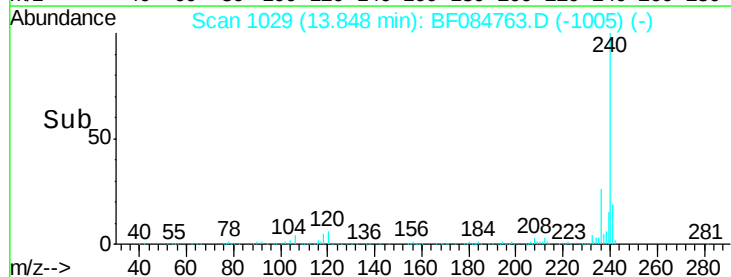
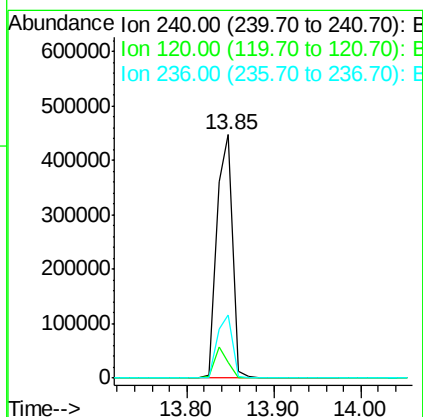
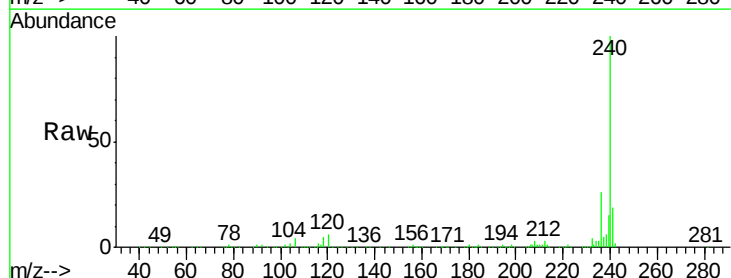
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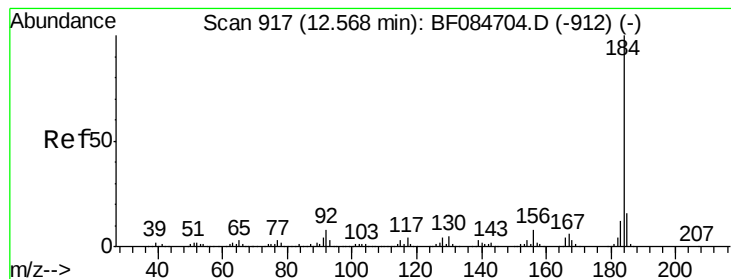
Tgt Ion:188 Resp: 673515  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.0 13.4  
80 12.7 9.6 14.4



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.85 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: BF084763.D  
Acq: 3 Feb 2016 00:41

Tgt Ion:240 Resp: 573203  
Ion Ratio Lower Upper  
240 100  
120 6.4 9.5 14.3#  
236 25.7 20.6 31.0





#76

Benzidine

Concen: 6.95 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

Instrument :

BNA\_F

ClientSampleId :

PB88115BL

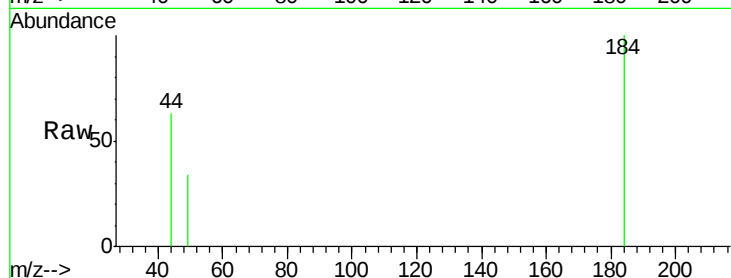
Tgt Ion:184 Resp: 1682

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

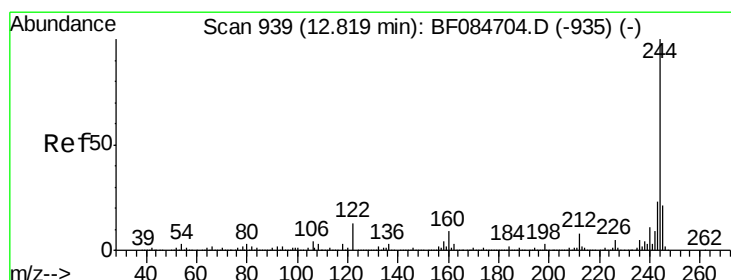
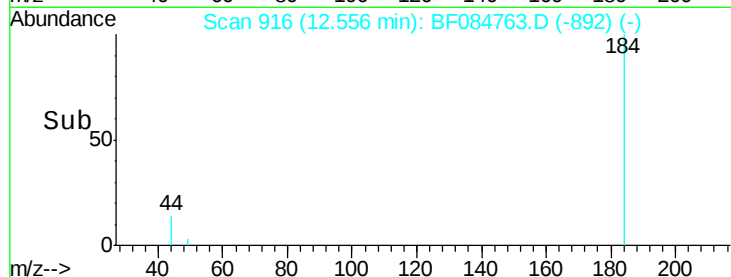
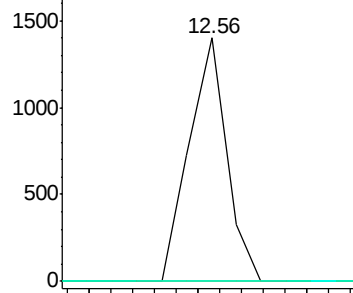
183 0.0 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 10.71 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF084763.D

Acq: 3 Feb 2016 00:41

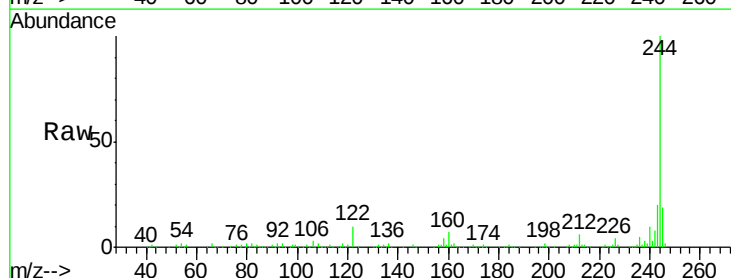
Tgt Ion:244 Resp: 270964

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

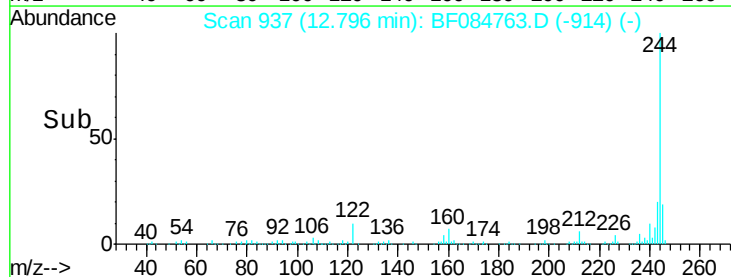
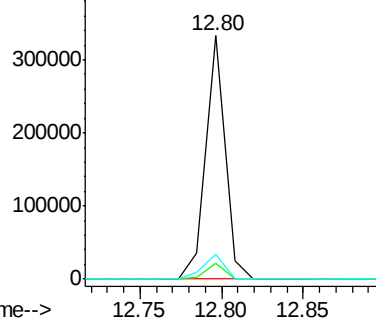
122 10.4 7.4 11.0

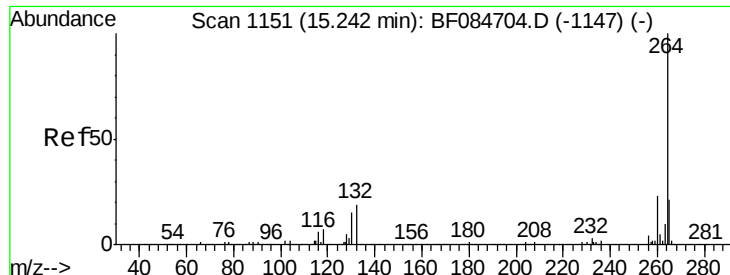


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF084763.D

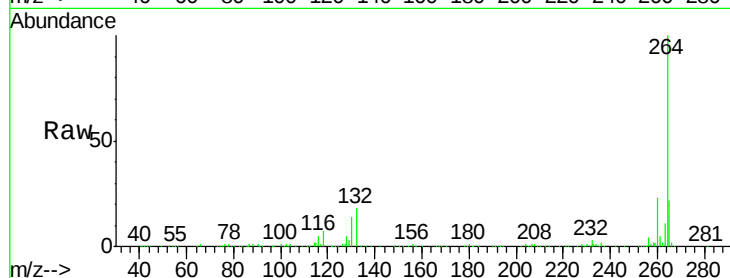
Acq: 3 Feb 2016 00:41

Instrument :

BNA\_F

ClientSampleId :

PB88115BL



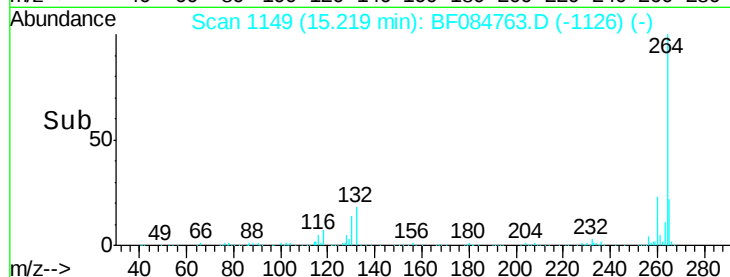
Tgt Ion:264 Resp: 393713

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 22.3 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

