

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121615\  
 Data File : BF083861.D  
 Acq On : 16 Dec 2015 21:16  
 Operator : UM/SJ  
 Sample : G4775-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-DUP-20150875

Quant Time: Dec 17 04:39:24 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 14 01:30:12 2015  
 Response via : Initial Calibration

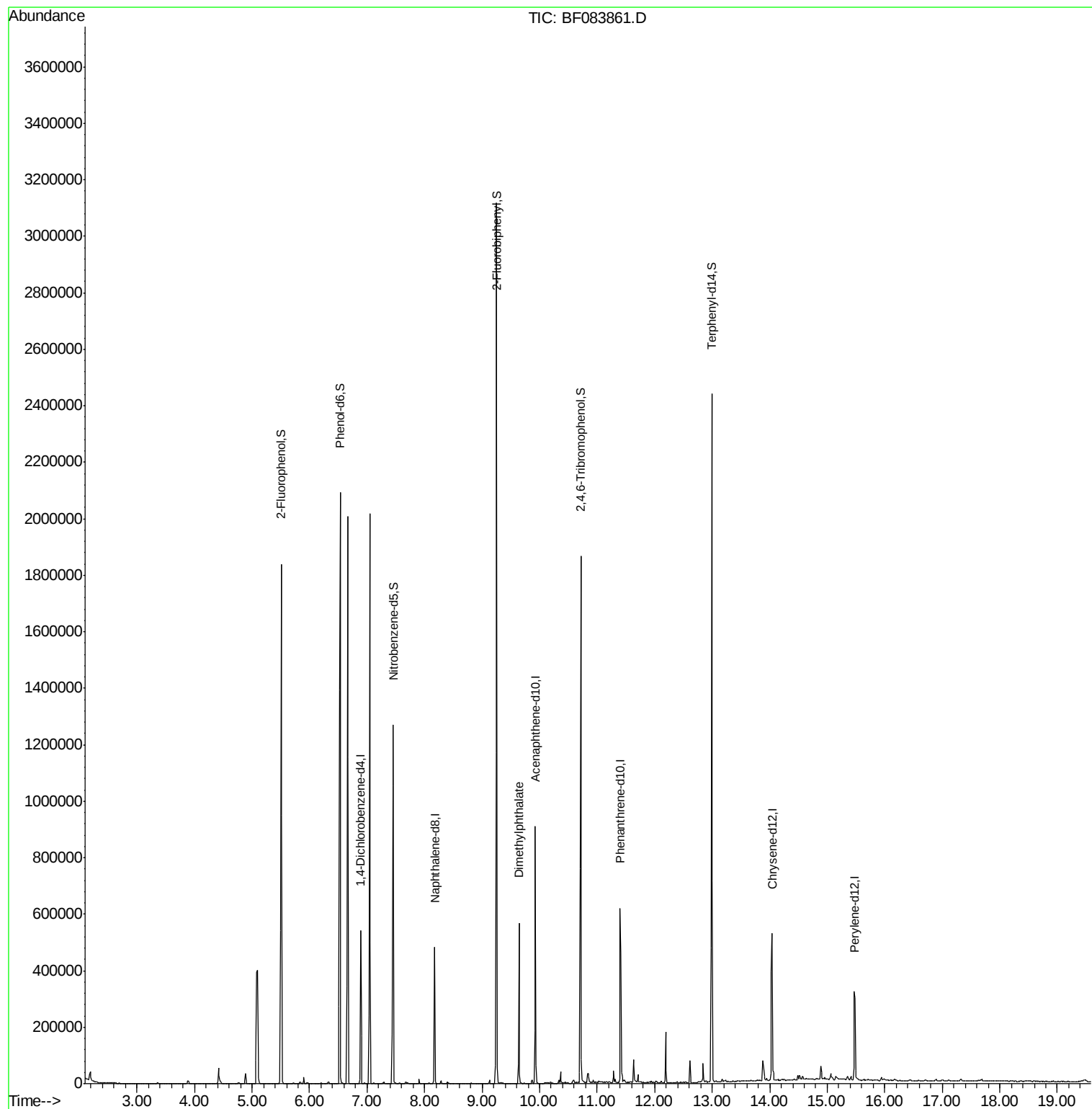
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 84895    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.18  | 136  | 345807   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.93  | 164  | 172929   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.40 | 188  | 300571   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 14.04 | 240  | 223667   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.48 | 264  | 174933   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 712527   | 135.40 | ng    | -0.02    |
| 7) Phenol-d6                | 6.53  | 99   | 971818   | 145.83 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 603864   | 97.70  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 238266   | 135.22 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 1011228  | 85.98  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.99 | 244  | 819450   | 78.81  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.64  | 163  | 216763   | 16.08  | ng    | 98       |

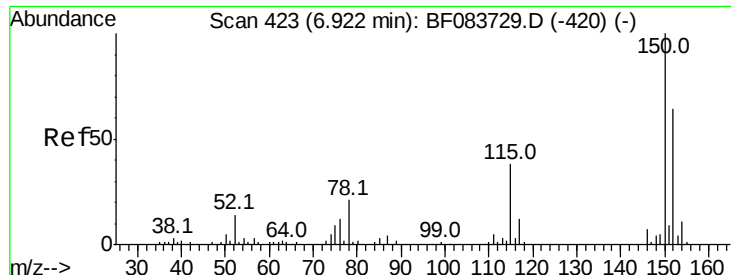
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-DUP-20150875

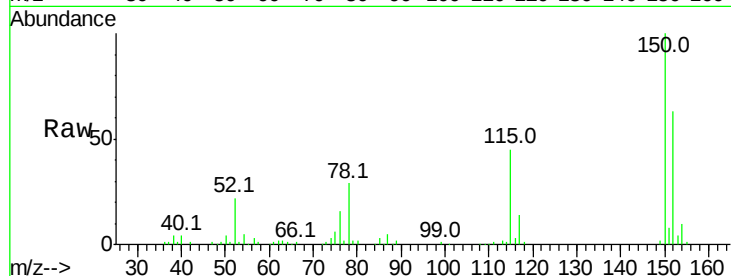
Tot Ion:152 Resp: 84895

Ion Ratio Lower Upper

152 100

150 158.6 126.5 189.7

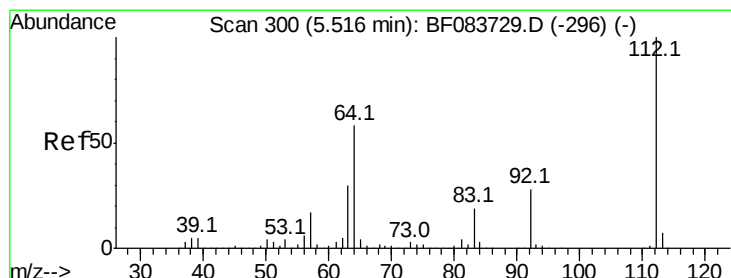
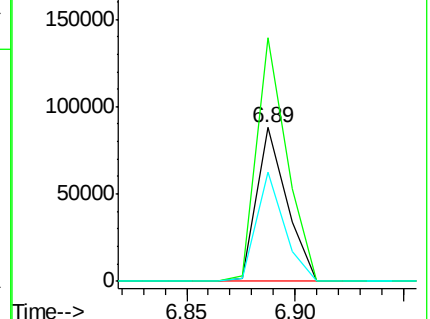
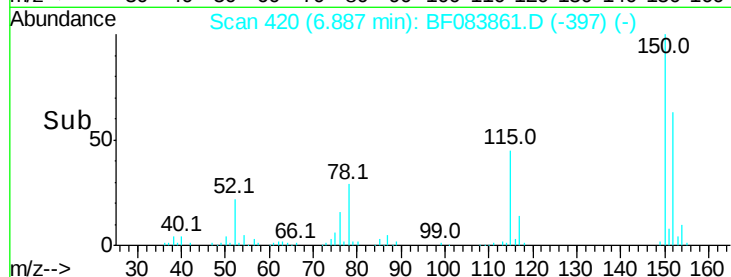
115 70.9 52.3 78.5



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: 135.40 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

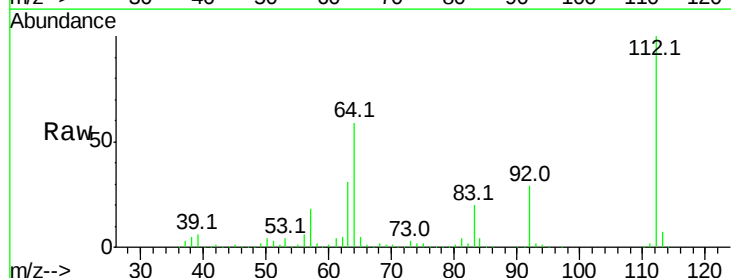
Tgt Ion:112 Resp: 712527

Ion Ratio Lower Upper

112 100

64 58.5 50.5 75.7

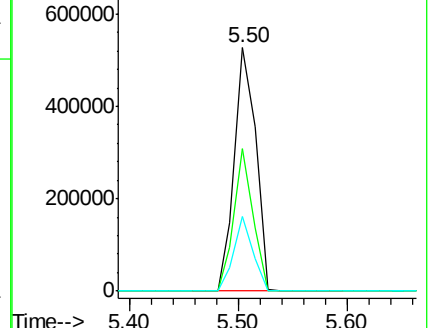
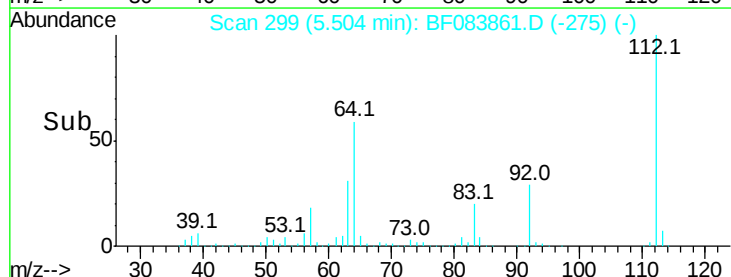
63 30.9 25.8 38.6

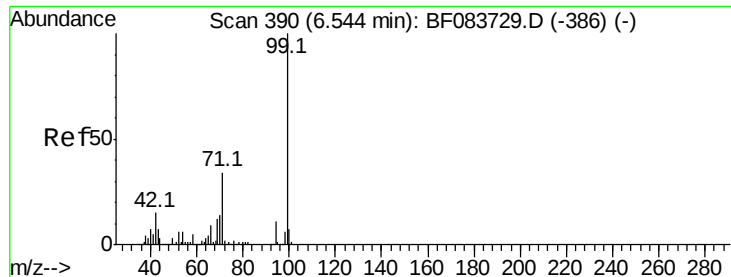


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.83 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-DUP-20150875

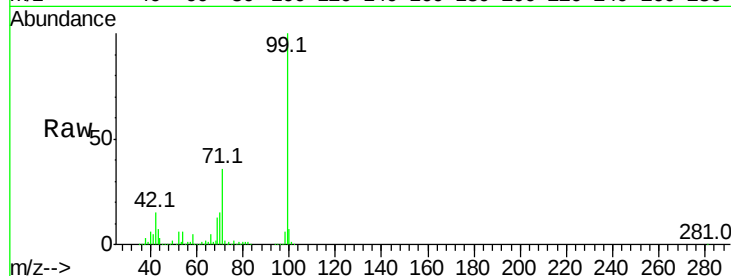
Tot Ion: 99 Resp: 971818

Ion Ratio Lower Upper

99 100

42 14.9 17.3 25.9#

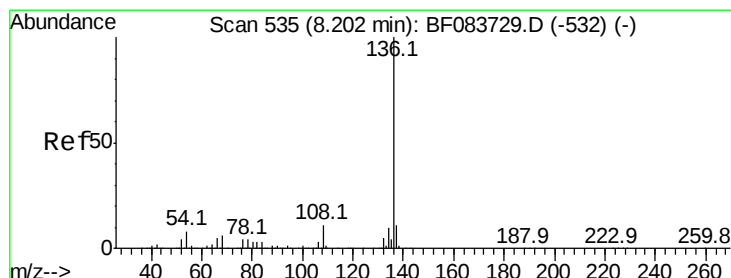
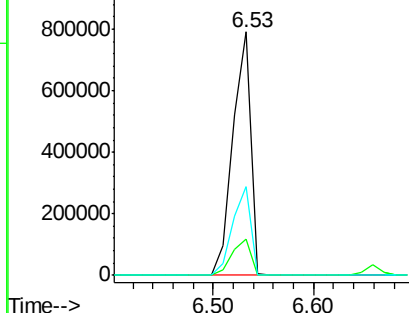
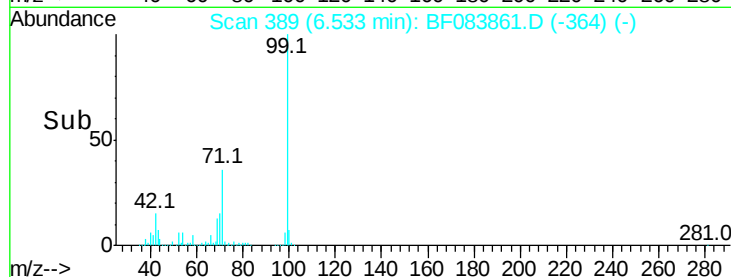
71 36.3 26.6 40.0



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: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Tgt Ion: 136 Resp: 345807

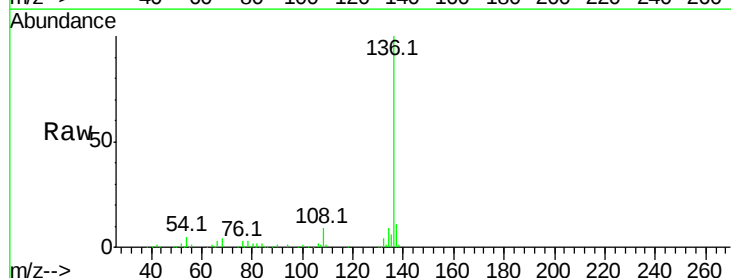
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 4.6 7.8 11.6#

68 3.7 5.7 8.5#

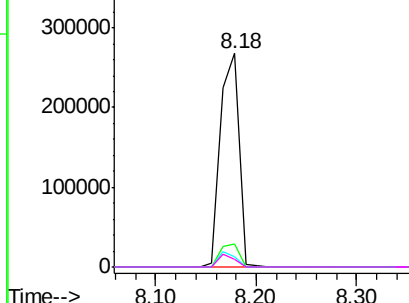
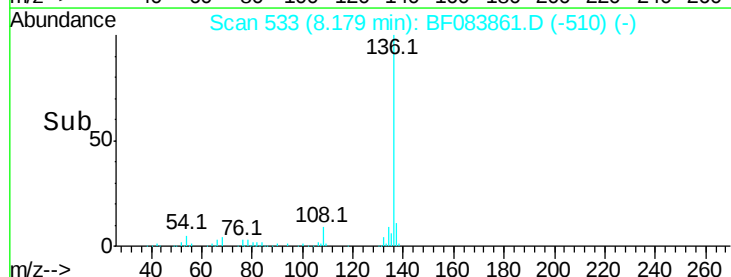


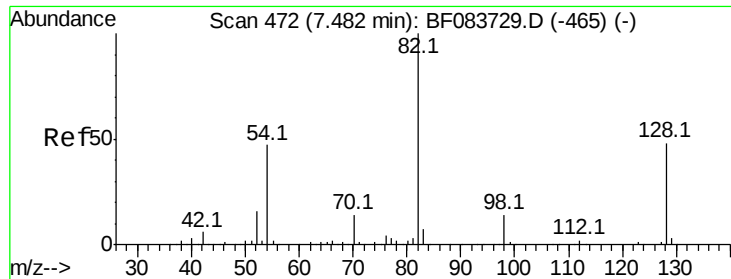
Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.70 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-DUP-20150875

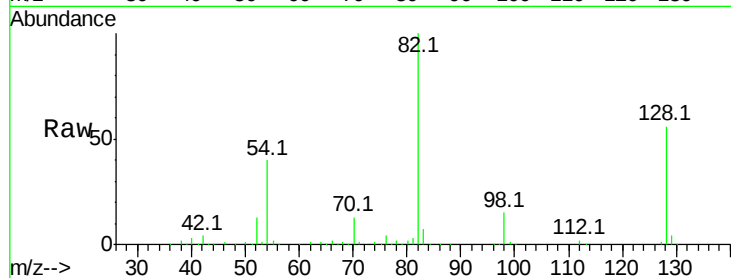
Tot Ion: 82 Resp: 603864

Ion Ratio Lower Upper

82 100

128 56.2 30.7 46.1#

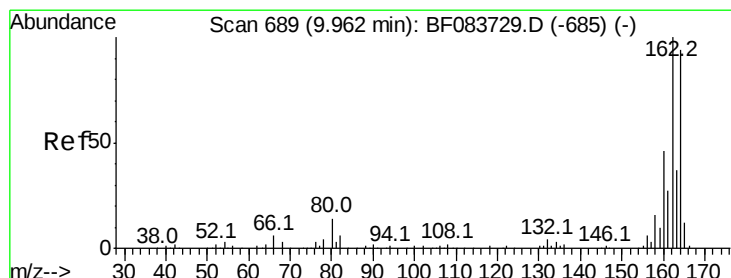
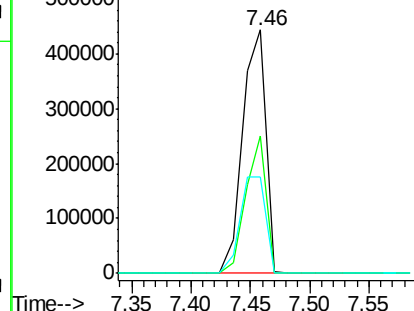
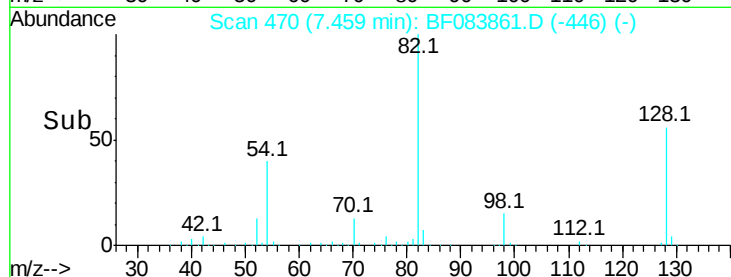
54 39.6 42.5 63.7#



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: 9.93 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

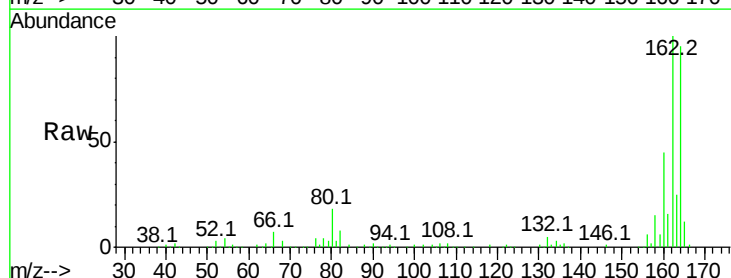
Tgt Ion:164 Resp: 172929

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

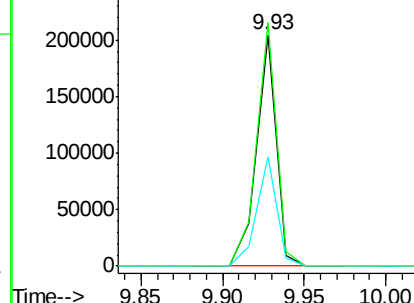
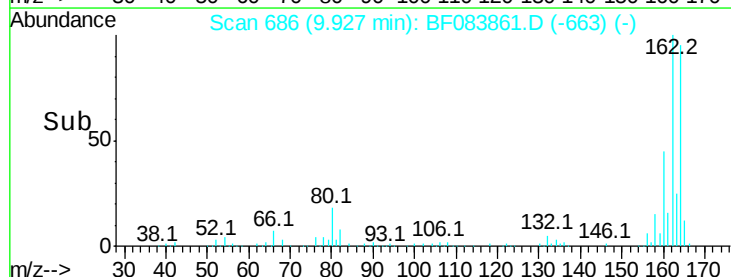
160 47.1 33.4 50.2

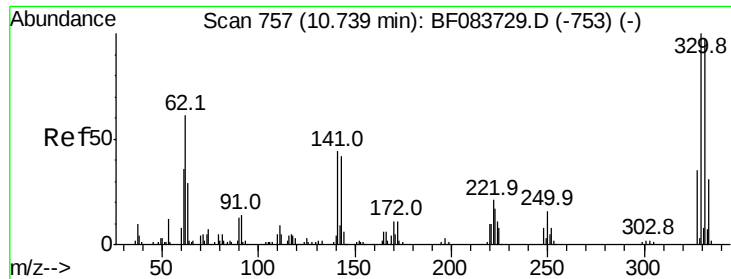


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

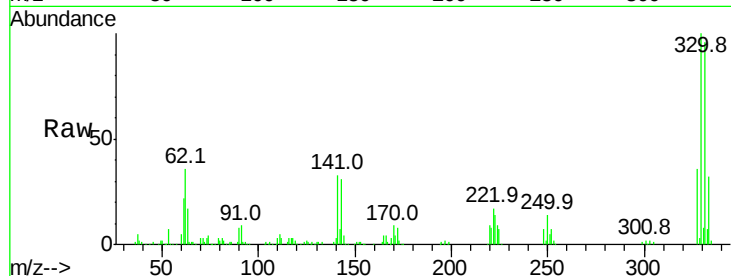




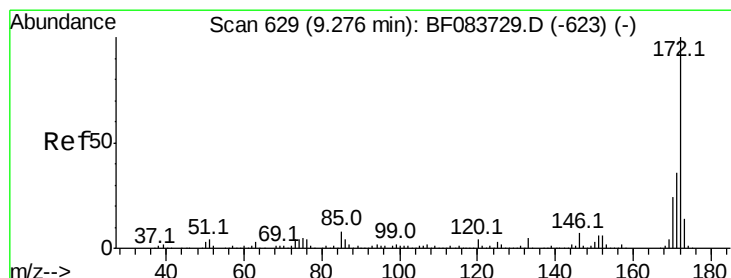
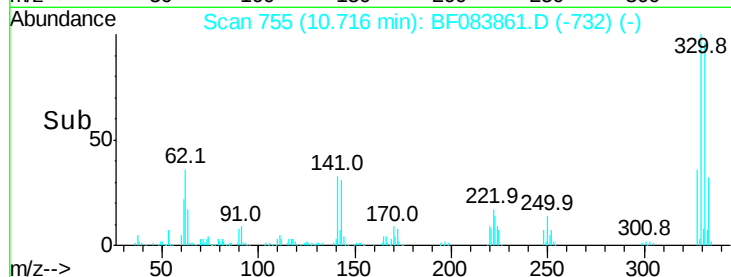
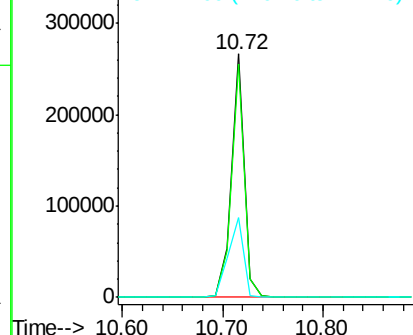
#41  
 2,4,6-Tribromophenol  
 Concen: 135.22 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.03 min  
 Lab File: BF083861.D  
 Acq: 16 Dec 2015 21:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-DUP-20150875

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 0.0   | 0.0#  |
| 141     | 38.5  | 0.0   | 0.0#  |

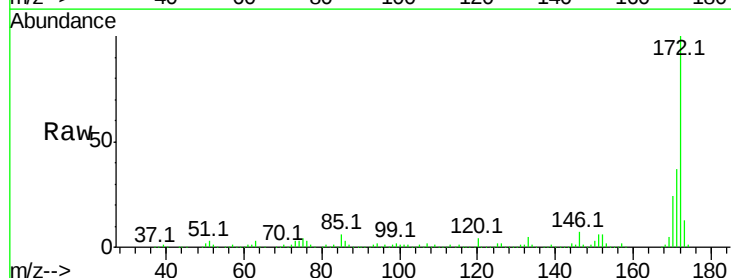


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

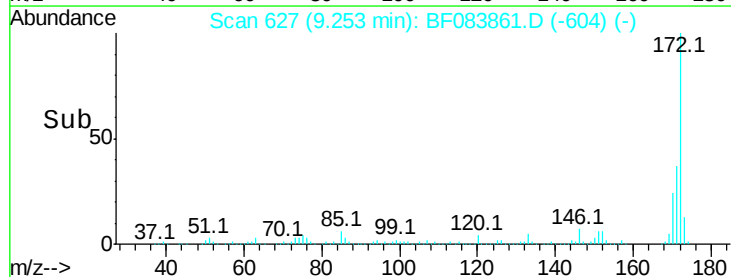
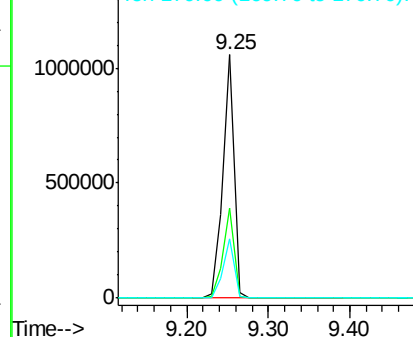


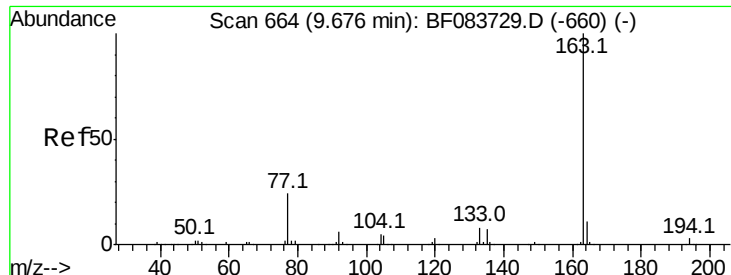
#44  
 2-Fluorobiphenyl  
 Concen: 85.98 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.03 min  
 Lab File: BF083861.D  
 Acq: 16 Dec 2015 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 28.6  | 42.8  |
| 170     | 24.4  | 19.4  | 29.0  |



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





#49

Dimethylphthalate

Concen: 16.08 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.05 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-DUP-20150875

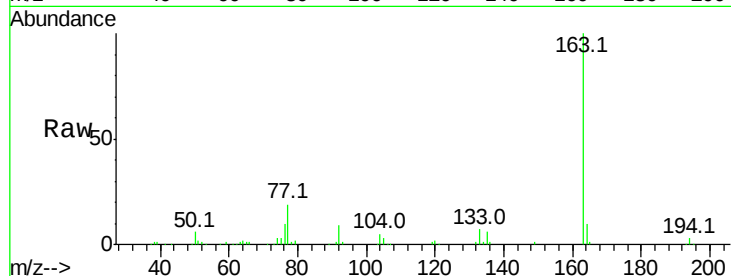
Tot Ion:163 Resp: 216763

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

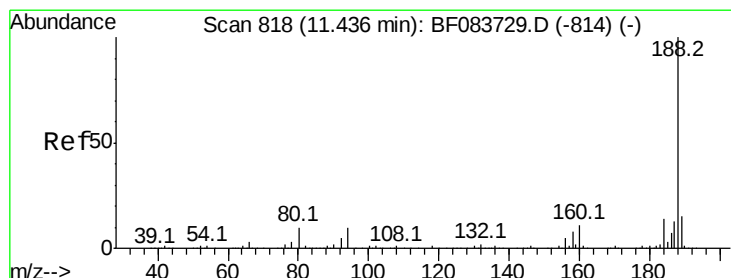
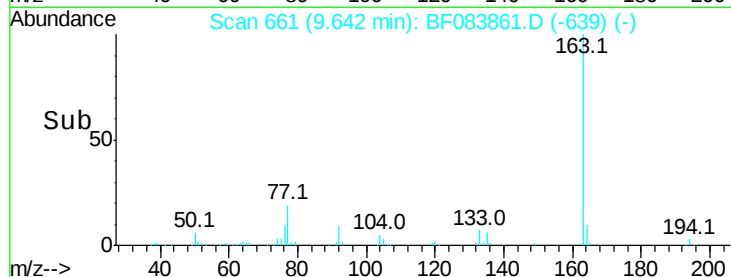
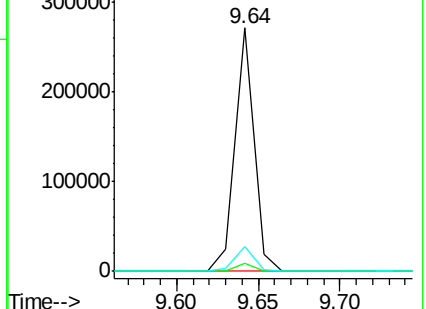
164 9.9 8.6 13.0



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: 11.40 min Scan# 815

Delta R.T. -0.05 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

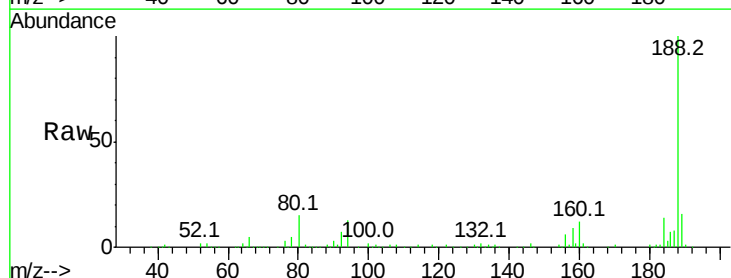
Tgt Ion:188 Resp: 300571

Ion Ratio Lower Upper

188 100

94 13.0 9.4 14.2

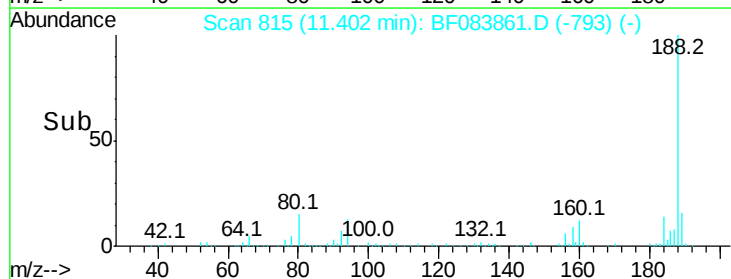
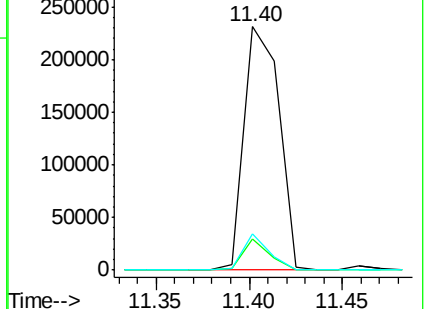
80 14.8 10.6 16.0

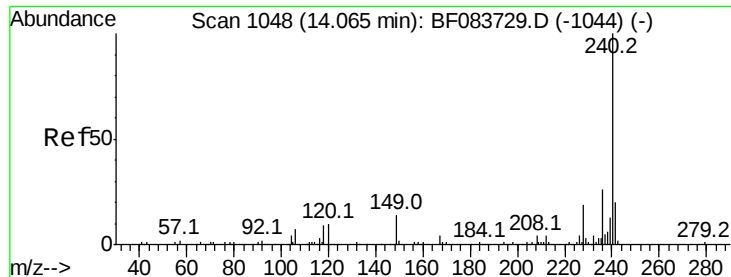


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Instrument :

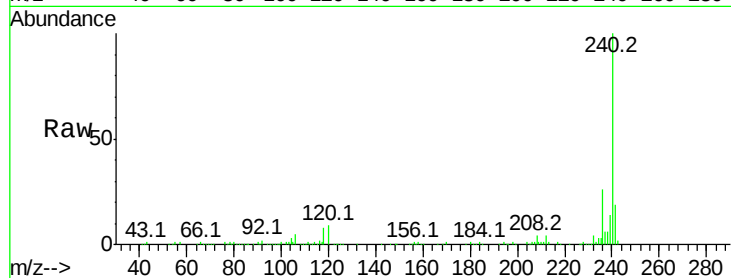
BNA\_F

ClientSampleId :

COMPOSITE-DUP-20150875

Tot Ion:240 Resp: 223667

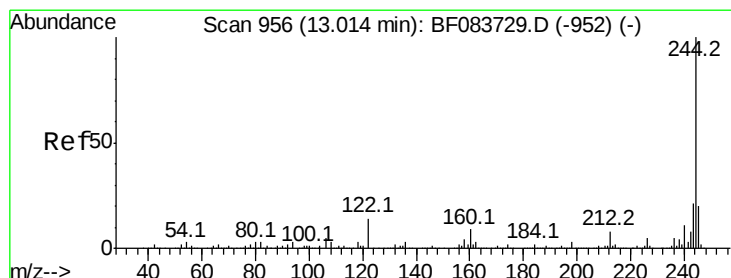
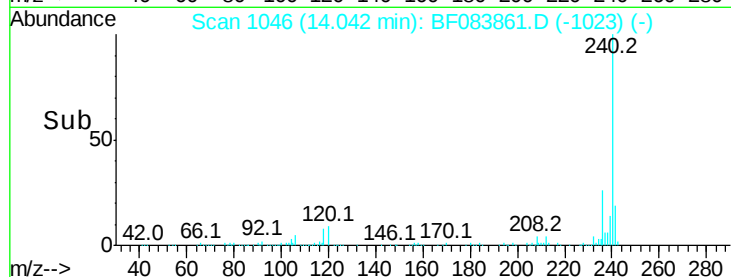
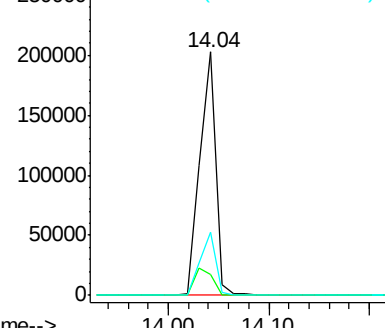
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 8.5   | 8.1   | 12.1  |
| 236 | 25.9  | 20.8  | 31.2  |



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: 78.81 ng

RT: 12.99 min Scan# 954

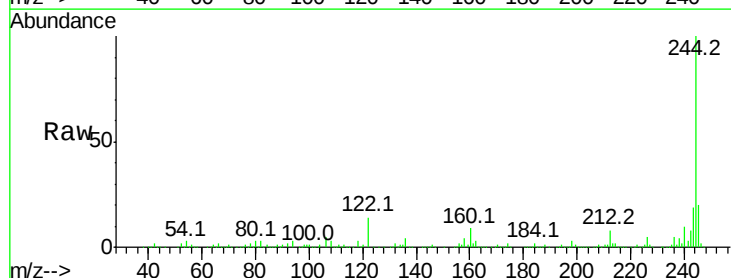
Delta R.T. -0.03 min

Lab File: BF083861.D

Acq: 16 Dec 2015 21:16

Tgt Ion:244 Resp: 819450

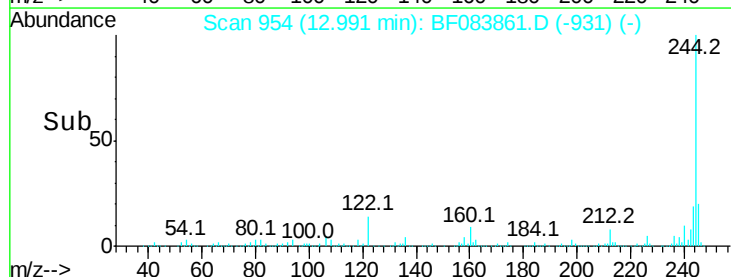
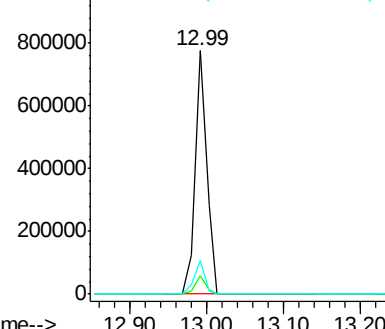
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 6.1   | 9.1   |
| 122 | 14.1  | 11.0  | 16.6  |

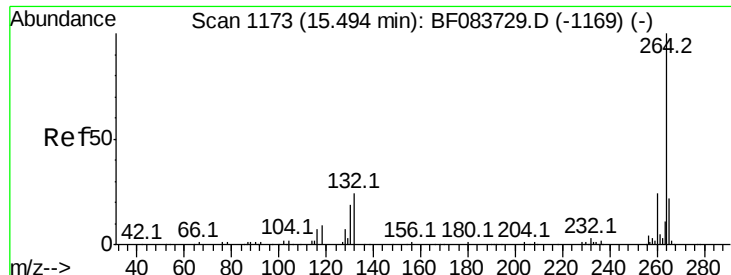


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

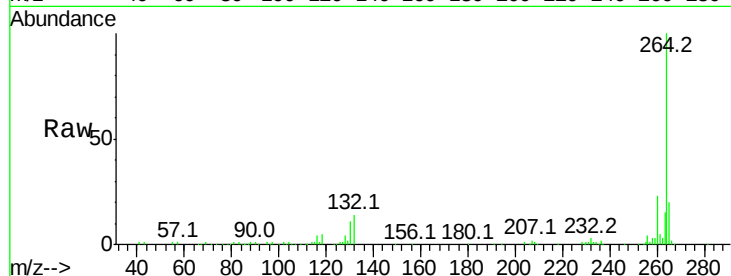




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.48 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BF083861.D  
Acq: 16 Dec 2015 21:16

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-DUP-20150875

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.4  | 29.0  |
| 265     | 20.2  | 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

