

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\  
 Data File : BF083169.D  
 Acq On : 22 Nov 2015 20:12  
 Operator : UM/IZ  
 Sample : G4455-02  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-28

Quant Time: Nov 23 05:36:09 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

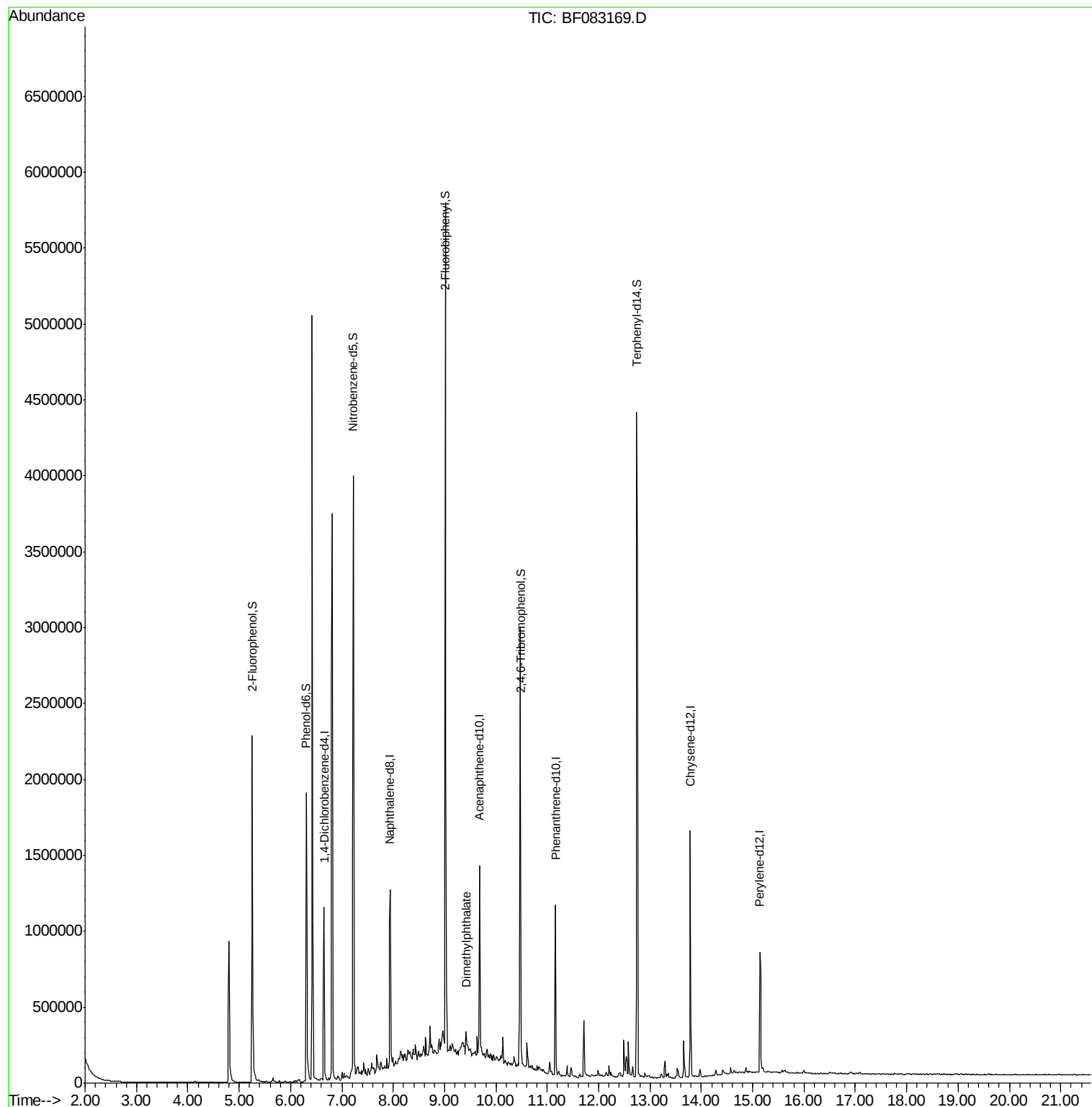
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 183443   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 7.94  | 136  | 689786   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.68  | 164  | 341507   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.16 | 188  | 636551   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.78 | 240  | 551165   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.14 | 264  | 434475   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.26  | 112  | 787723   | 64.92  | ng    | -0.02        |
| 7) Phenol-d6                | 6.31  | 99   | 710548   | 45.26  | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 1436543  | 95.16  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 472578   | 135.26 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 2045520  | 83.52  | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.74 | 244  | 1939850  | 82.88  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.42  | 163  | 58811    | 2.24   | ng    | Qvalue<br>98 |

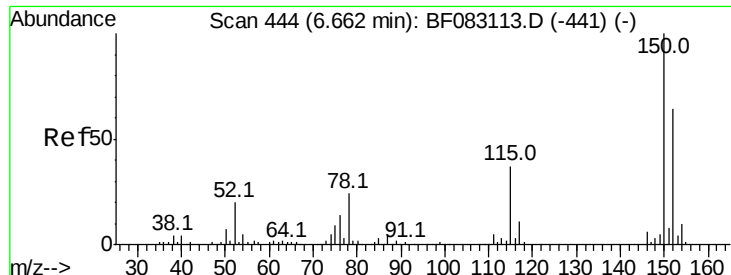
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Quant Time: Nov 23 05:36:09 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-28

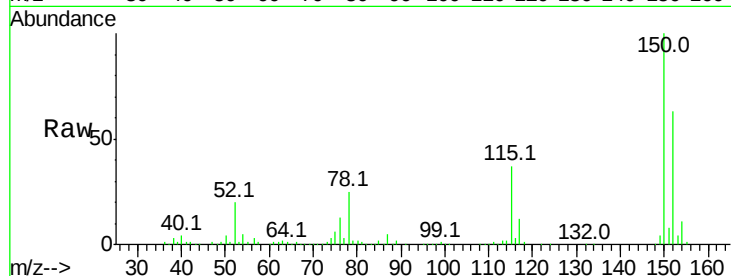
Tot Ion:152 Resp: 183443

Ion Ratio Lower Upper

152 100

150 158.2 125.8 188.8

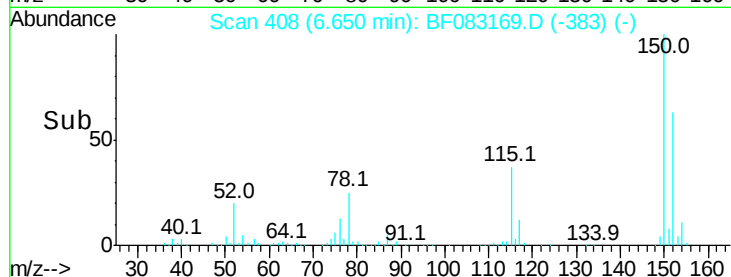
115 58.5 46.9 70.3



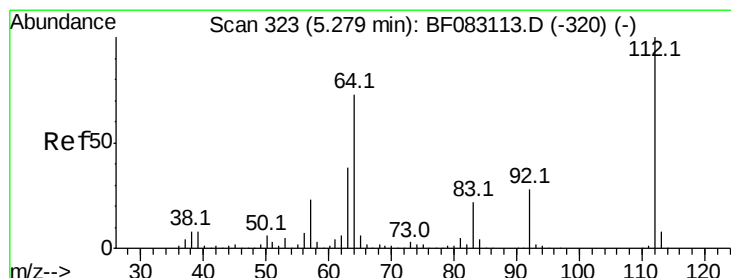
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 64.92 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

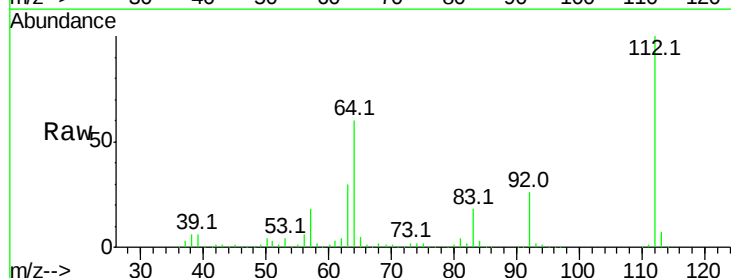
Tgt Ion:112 Resp: 787723

Ion Ratio Lower Upper

112 100

64 60.5 58.4 87.6

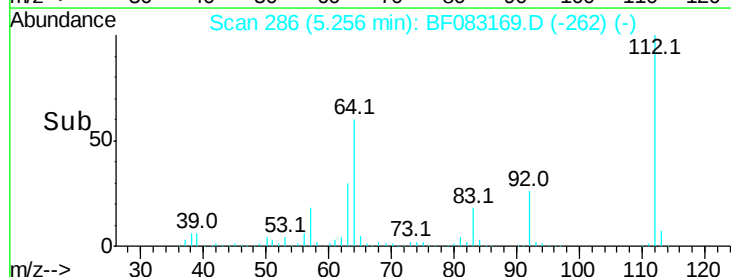
63 29.7 30.0 45.0#



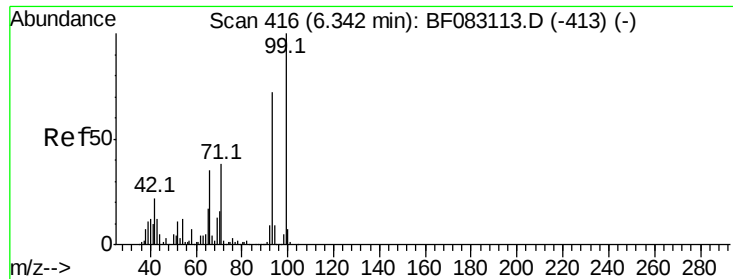
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 45.26 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-28

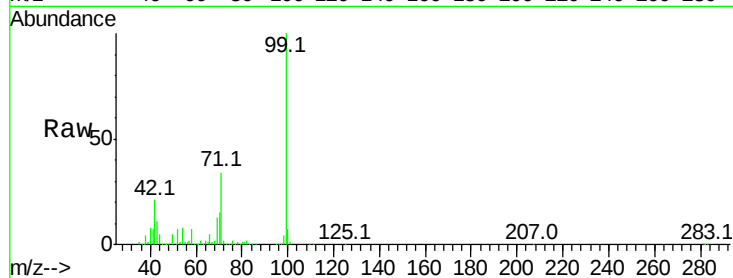
Tot Ion: 99 Resp: 710548

Ion Ratio Lower Upper

99 100

42 20.7 17.7 26.5

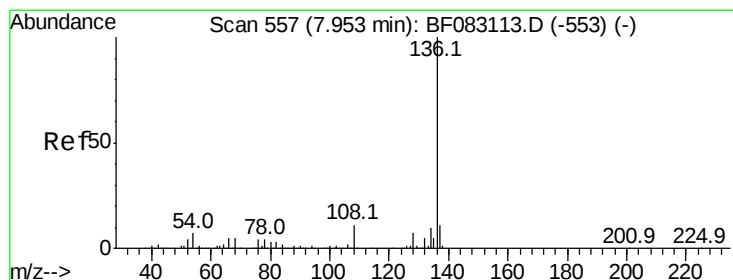
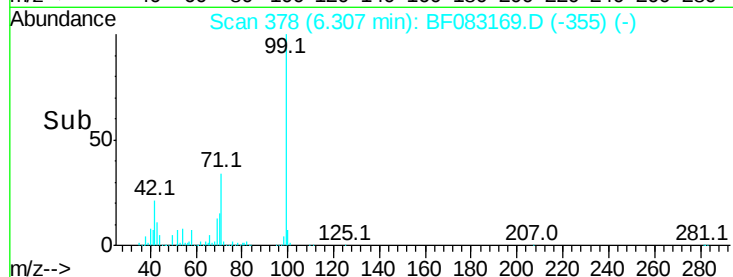
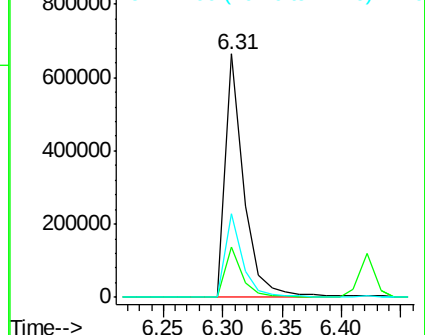
71 34.1 30.2 45.4



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: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Tgt Ion: 136 Resp: 689786

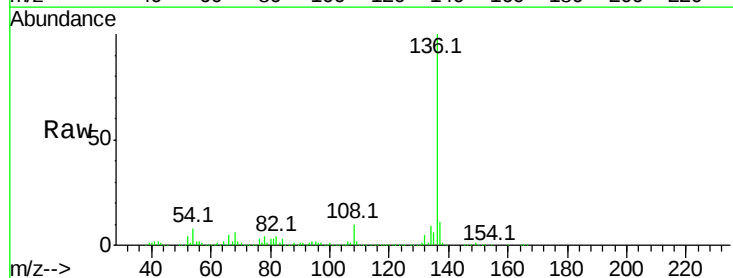
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.0 5.8 8.6

68 6.3 3.8 5.8#

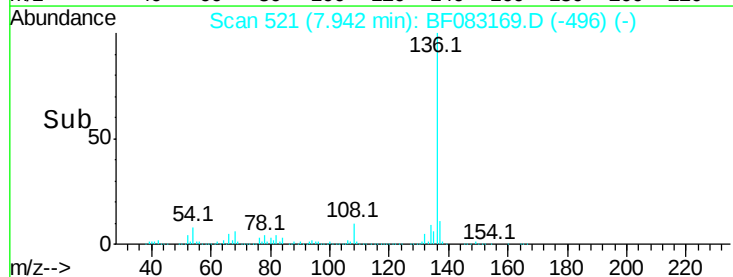
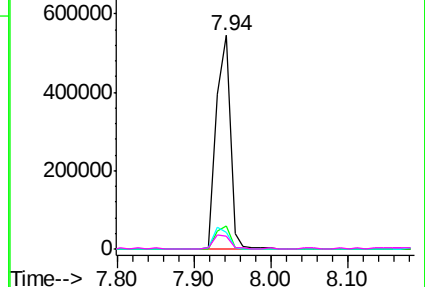


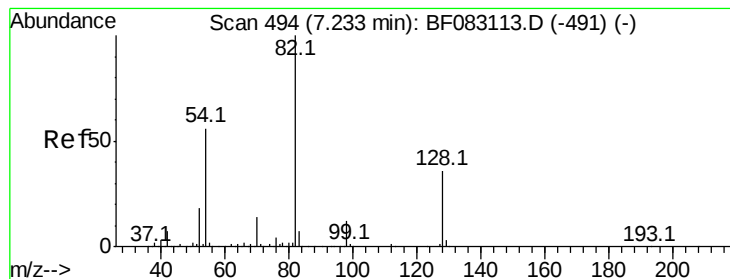
Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.16 ng

RT: 7.22 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-28

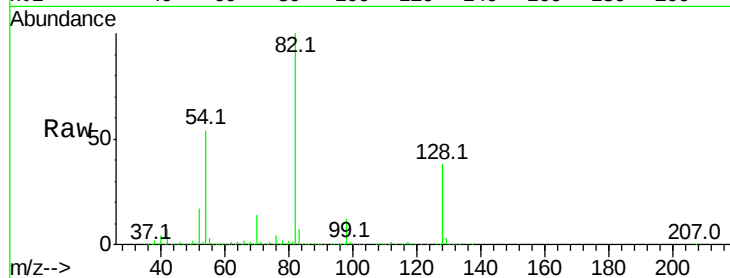
Tot Ion: 82 Resp: 1436543

Ion Ratio Lower Upper

82 100

128 38.3 28.5 42.7

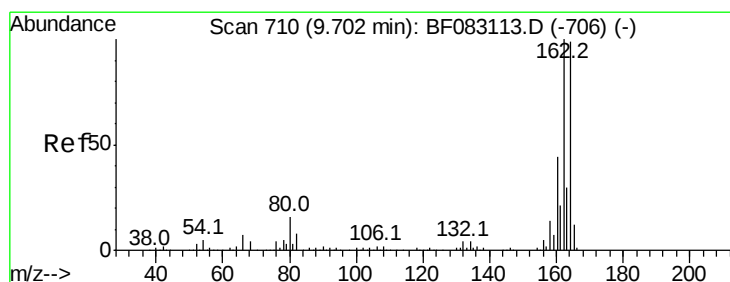
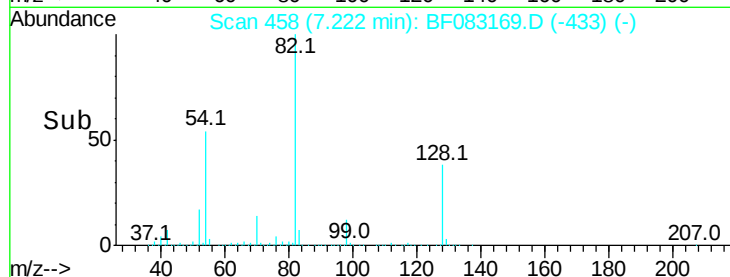
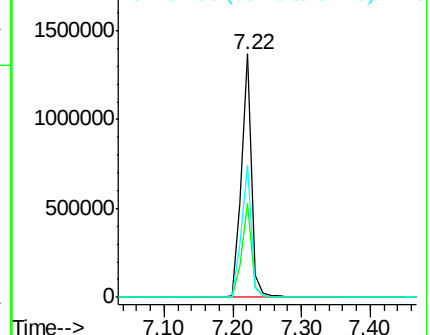
54 54.1 44.6 67.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

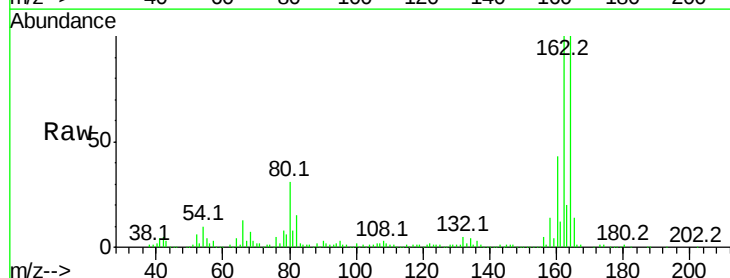
Tgt Ion: 164 Resp: 341507

Ion Ratio Lower Upper

164 100

162 100.1 81.2 121.8

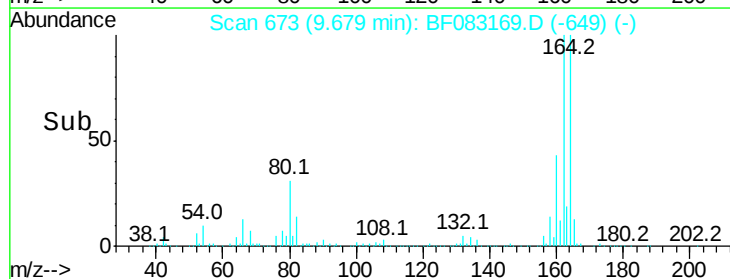
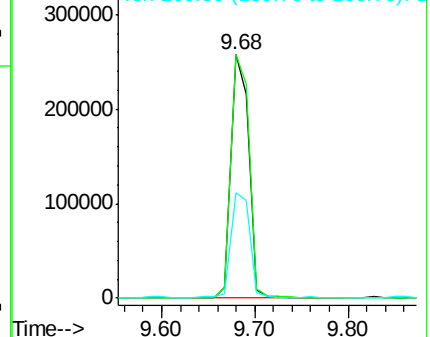
160 43.3 35.6 53.4

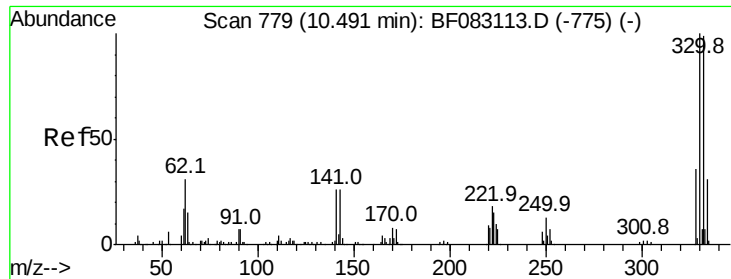


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

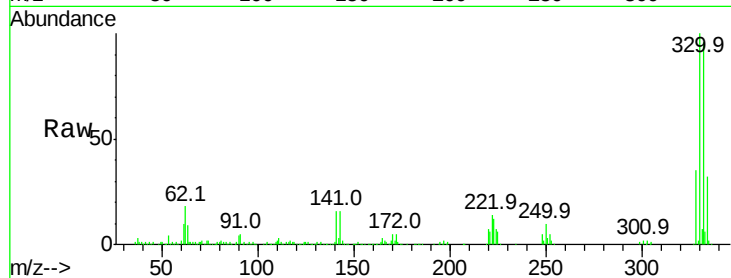




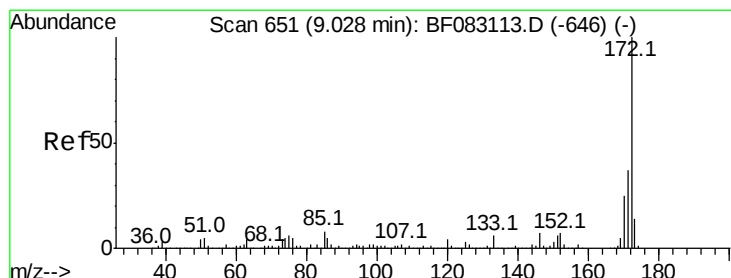
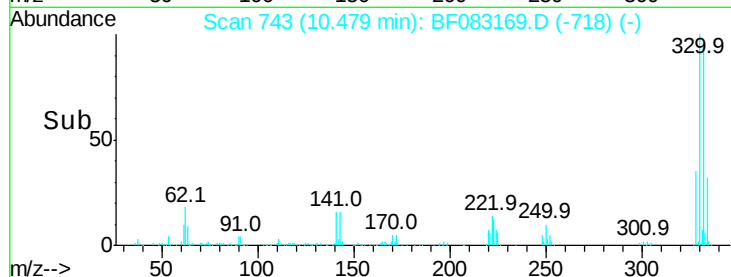
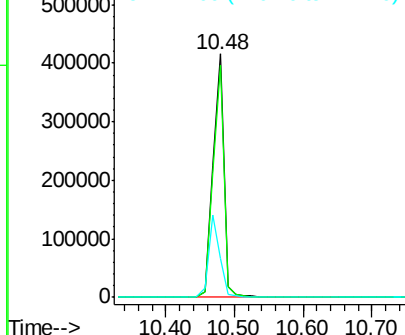
#41  
 2,4,6-Tribromophenol  
 Concen: 135.26 ng  
 RT: 10.48 min Scan# 743  
 Delta R.T. -0.01 min  
 Lab File: BF083169.D  
 Acq: 22 Nov 2015 20:12

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-28

Tot Ion:330 Resp: 472578  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.7 116.5  
 141 33.6 29.7 44.5

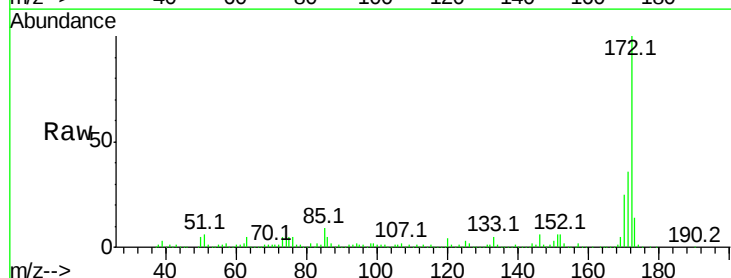


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

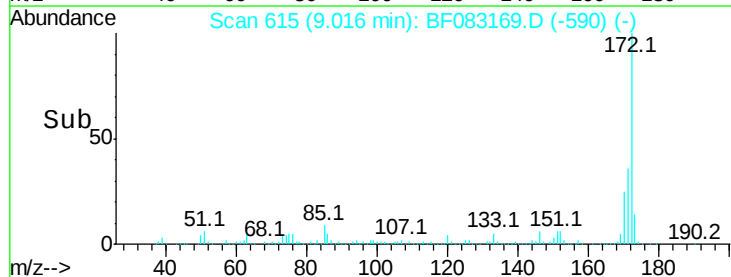
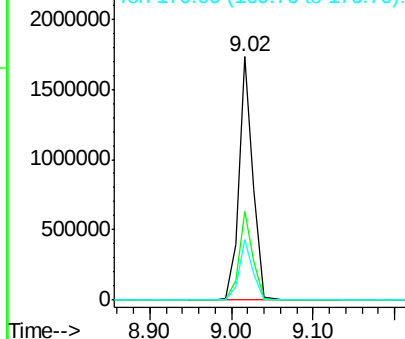


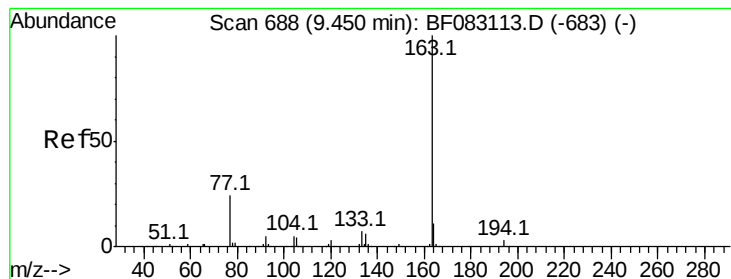
#44  
 2-Fluorobiphenyl  
 Concen: 83.52 ng  
 RT: 9.02 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF083169.D  
 Acq: 22 Nov 2015 20:12

Tgt Ion:172 Resp: 2045520  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.5 44.3  
 170 24.6 19.9 29.9



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: 2.24 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-28

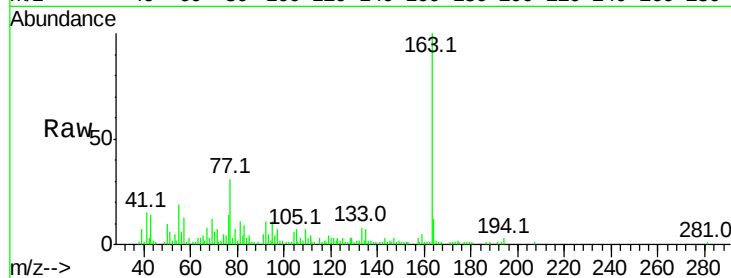
Tot Ion:163 Resp: 58811

Ion Ratio Lower Upper

163 100

194 2.7 2.6 4.0

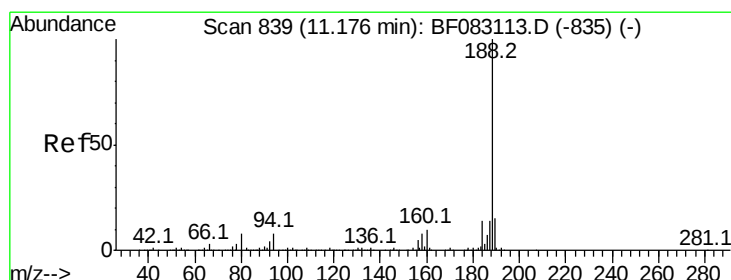
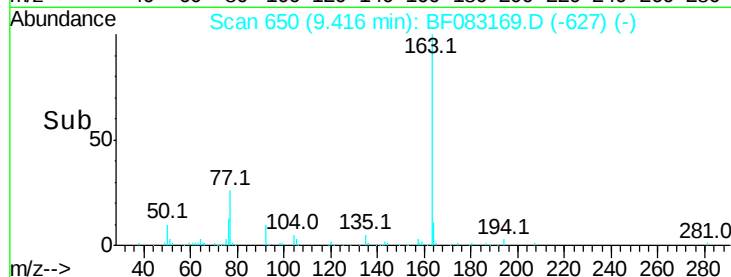
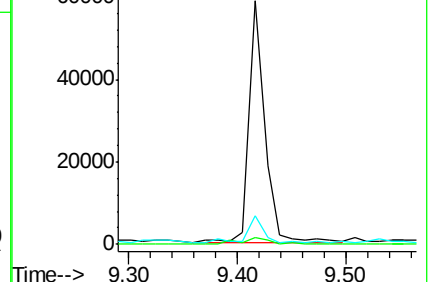
164 11.7 8.6 12.8



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: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

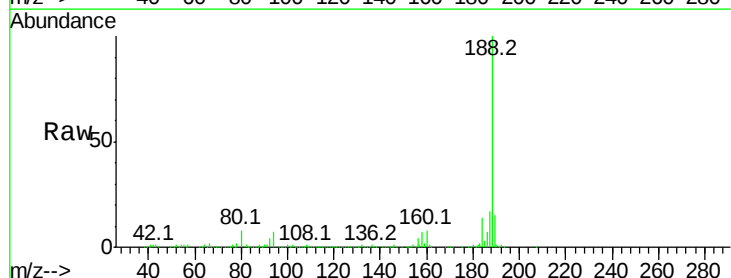
Tgt Ion:188 Resp: 636551

Ion Ratio Lower Upper

188 100

94 7.1 6.0 9.0

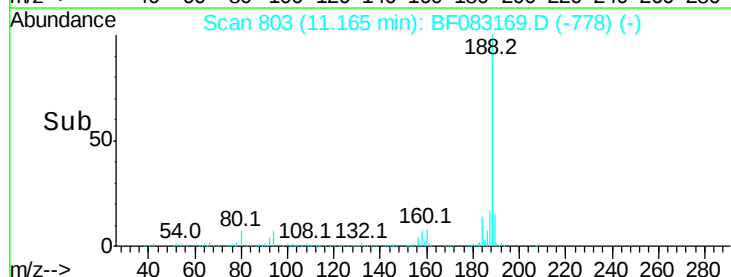
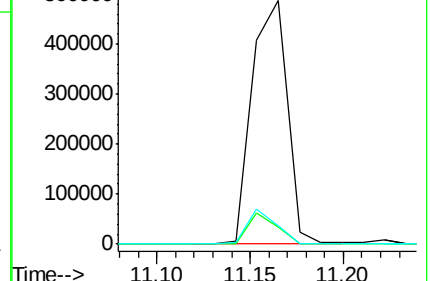
80 7.5 6.7 10.1

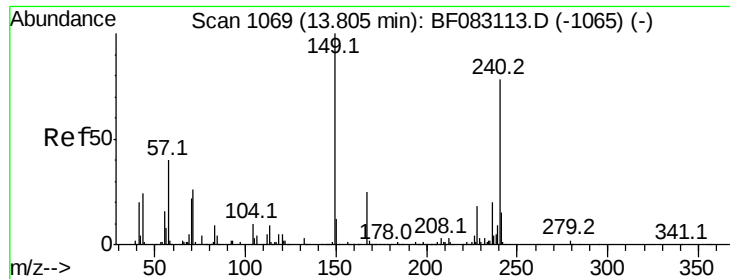


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-28

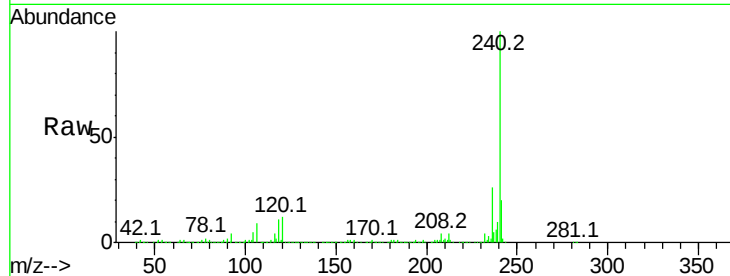
Tot Ion:240 Resp: 551165

Ion Ratio Lower Upper

240 100

120 12.0 5.4 8.2#

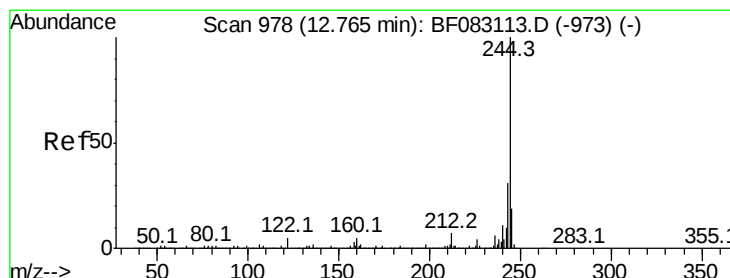
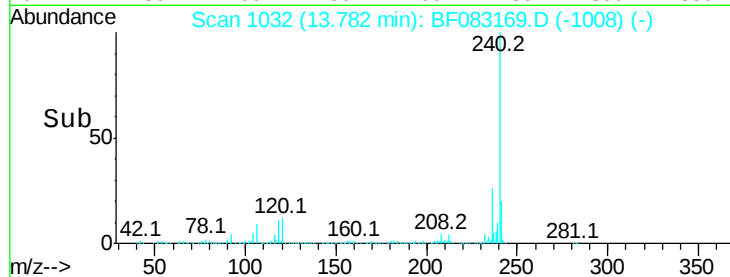
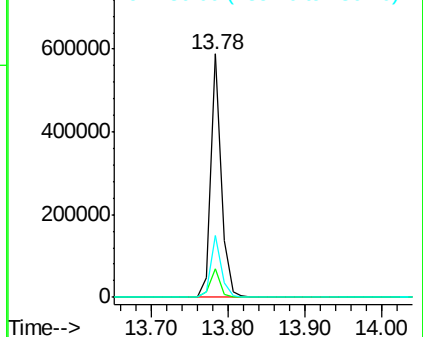
236 25.6 20.6 31.0



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: 82.88 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083169.D

Acq: 22 Nov 2015 20:12

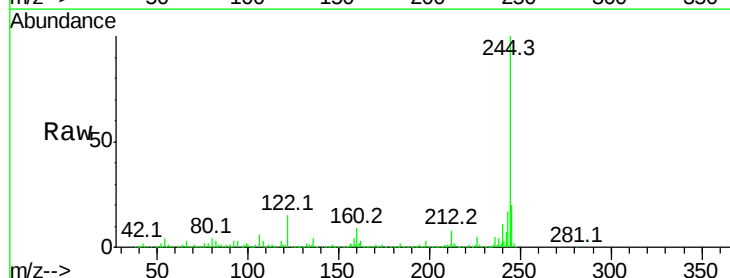
Tgt Ion:244 Resp: 1939850

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

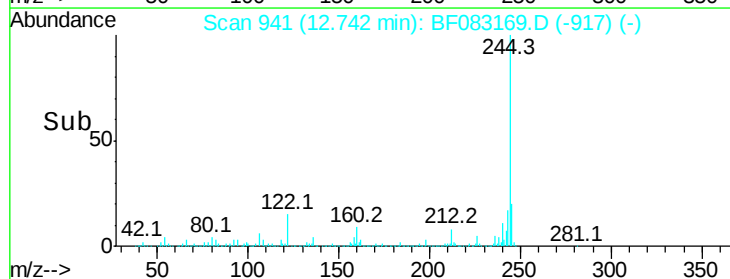
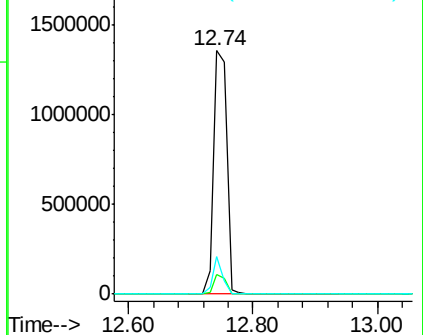
122 15.3 4.3 6.5#

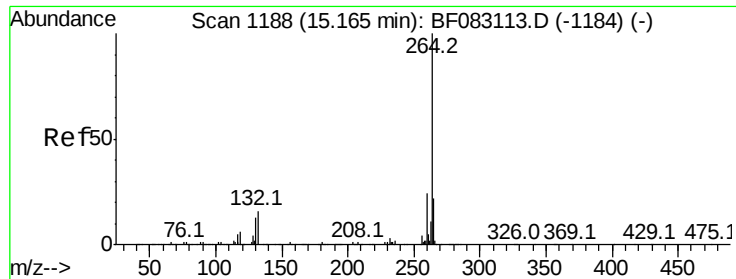


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.14 min Scan# 1151  
 Delta R.T. -0.02 min  
 Lab File: BF083169.D  
 Acq: 22 Nov 2015 20:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-28

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.1  | 28.7  |
| 265     | 22.1  | 18.2  | 27.4  |

