

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\  
 Data File : BF081359.D  
 Acq On : 2 Sep 2015 20:44  
 Operator : UM/IZ  
 Sample : G3484-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW01-082815

Quant Time: Sep 03 00:22:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 03 00:20:21 2015  
 Response via : Initial Calibration

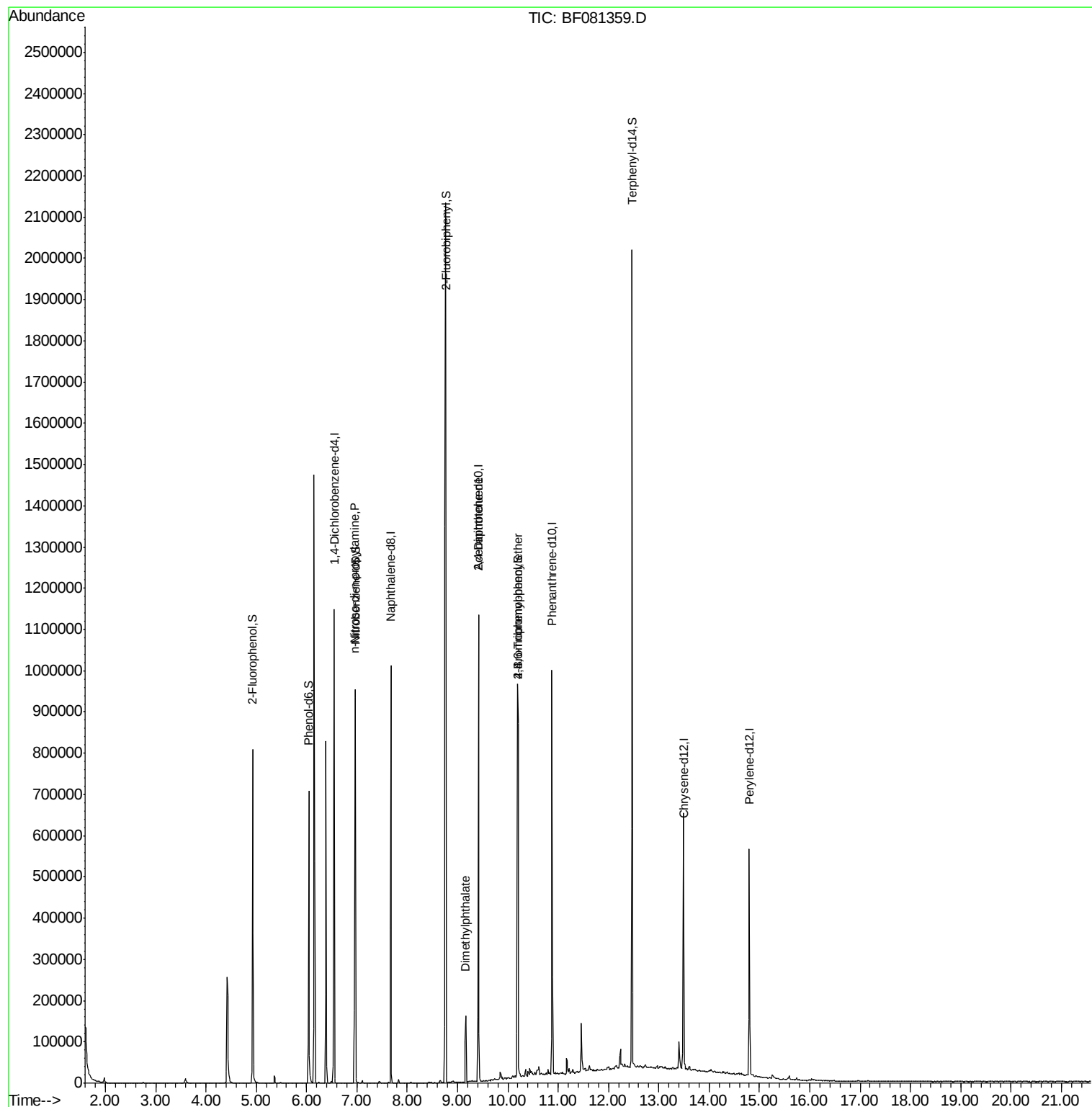
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.55  | 152  | 248902   | 20.00 | ng    | 0.16     |
| 21) Naphthalene-d8             | 7.68  | 136  | 459046   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.42  | 164  | 199304   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 10.88 | 188  | 345544   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.50 | 240  | 296747   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 14.80 | 264  | 203978   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 4.92  | 112  | 224401   | 13.99 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.04  | 99   | 207939   | 9.79  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 6.97  | 82   | 486121   | 51.09 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.20 | 330  | 151060   | 85.12 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.76  | 172  | 844665   | 54.31 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.47 | 244  | 575954   | 45.18 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.96  | 70   | 64786    | 4.48  | ng    | # 62     |
| 49) Dimethylphthalate          | 9.16  | 163  | 78510    | 5.07  | ng    | # 96     |
| 56) 2,4-Dinitrotoluene         | 9.42  | 165  | 25023    | 5.59  | ng    | # 34     |
| 66) 4-Bromophenyl-phenylether  | 10.20 | 248  | 10886    | 3.12  | ng    | # 1      |

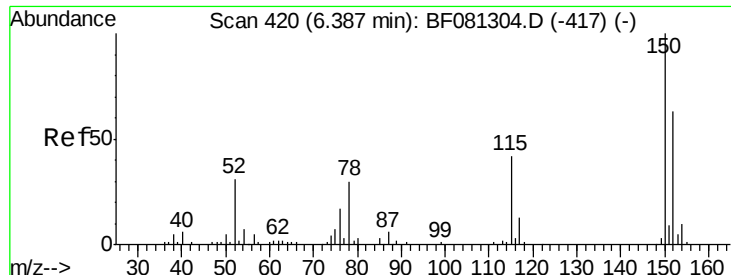
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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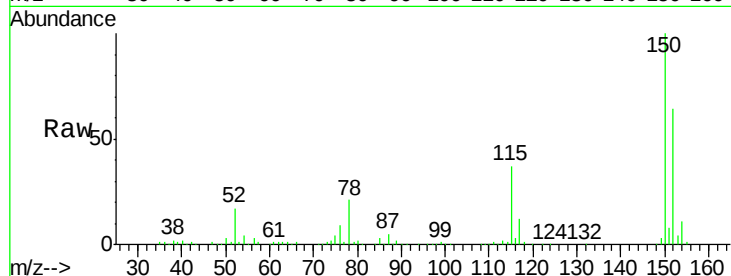


#1

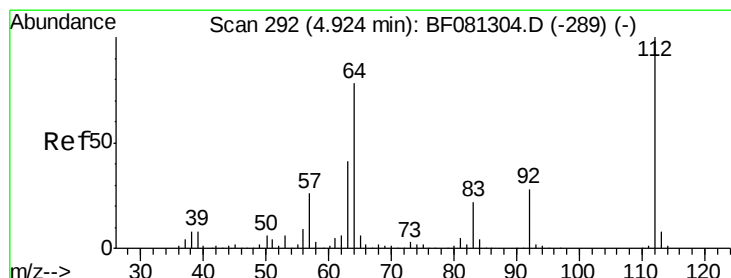
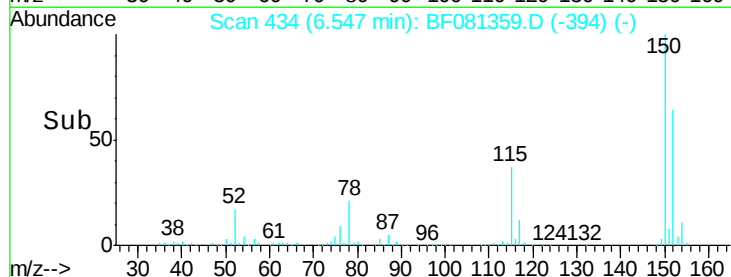
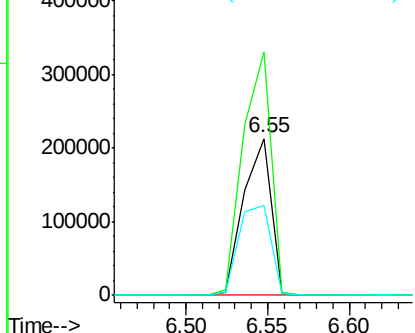
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.55 min Scan# 434  
Delta R.T. 0.16 min  
Lab File: BF081359.D  
Acq: 2 Sep 2015 20:44

Instrument :  
BNA\_F  
ClientSampleId :  
MW01-082815

Tot Ion:152 Resp: 248902  
Ion Ratio Lower Upper  
152 100  
150 155.1 124.7 187.1  
115 57.7 39.0 58.4



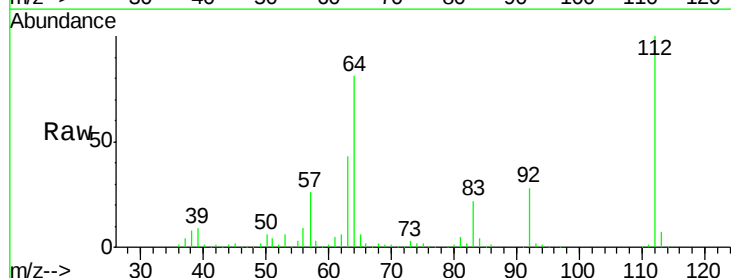
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



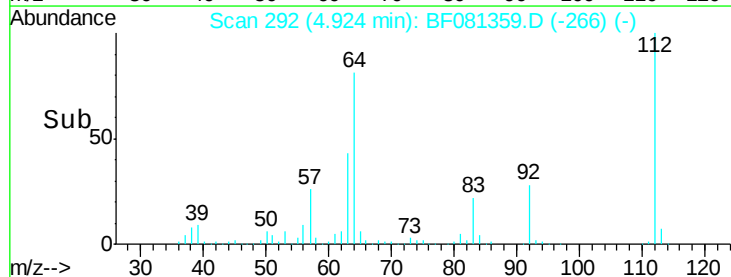
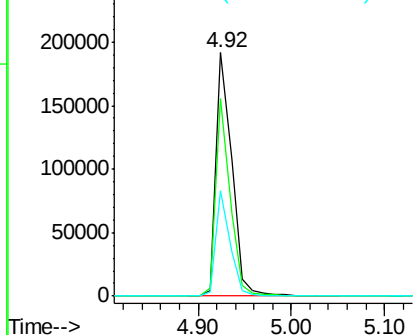
#5

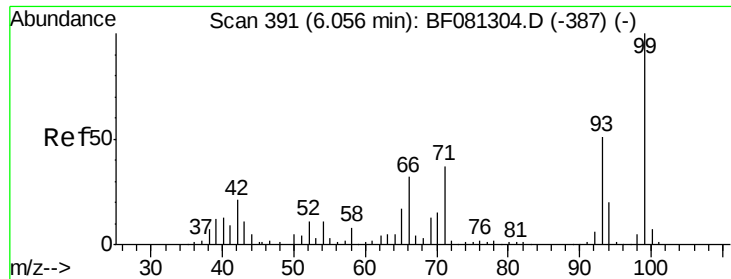
2-Fluorophenol  
Concen: 13.99 ng  
RT: 4.92 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: BF081359.D  
Acq: 2 Sep 2015 20:44

Tgt Ion:112 Resp: 224401  
Ion Ratio Lower Upper  
112 100  
64 81.0 39.7 59.5#  
63 43.1 17.4 26.0#



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: 9.79 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

Instrument :

BNA\_F

ClientSampleId :

MW01-082815

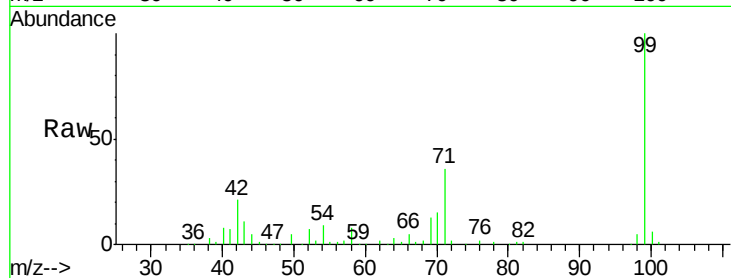
Tot Ion: 99 Resp: 207939

Ion Ratio Lower Upper

99 100

42 20.8 13.7 20.5#

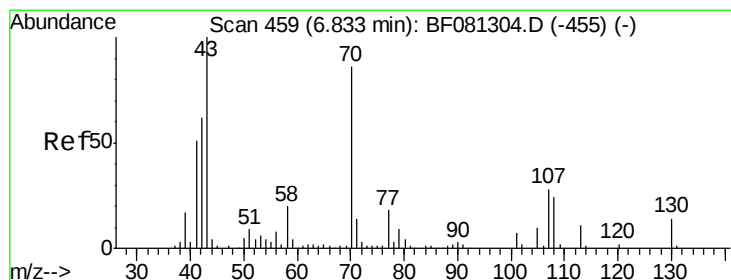
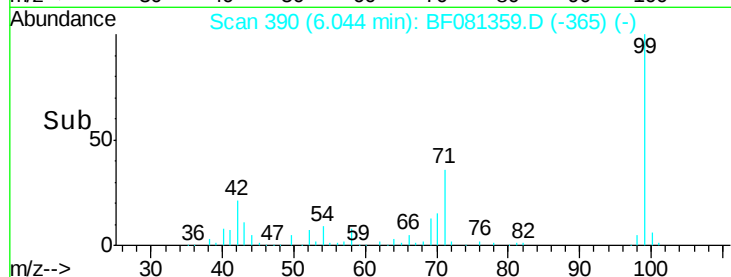
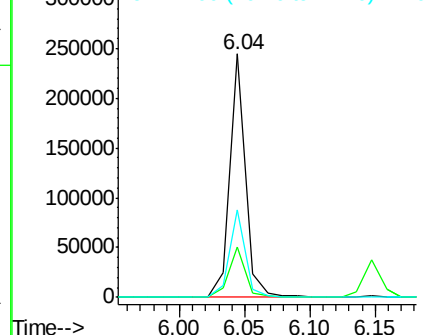
71 35.8 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.48 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.13 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

Tgt Ion: 70 Resp: 64786

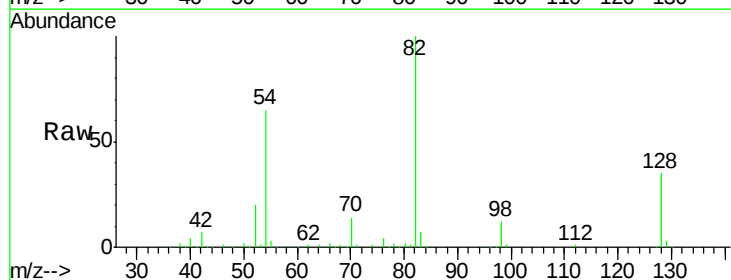
Ion Ratio Lower Upper

70 100

42 52.4 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

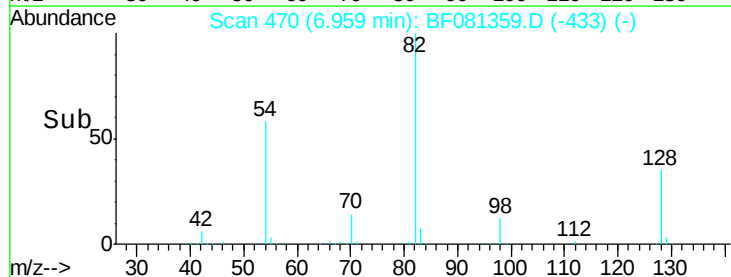
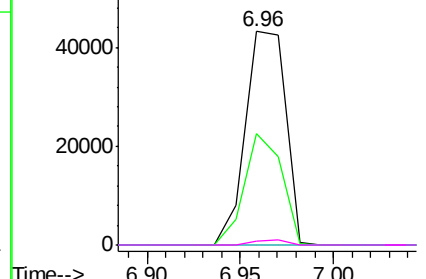


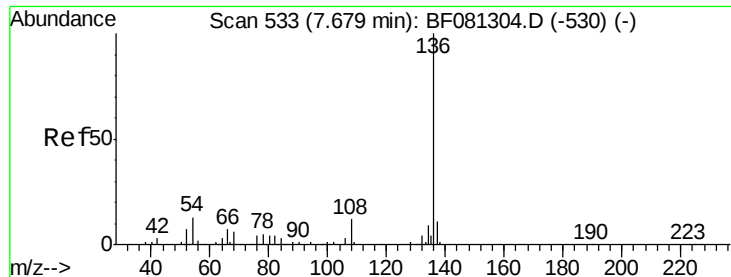
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

Instrument :

BNA\_F

ClientSampleId :

MW01-082815

Tot Ion:136 Resp: 459046

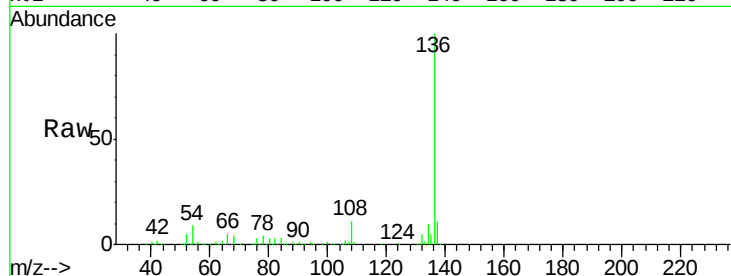
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.4 8.2 12.2

68 4.4 5.8 8.6#

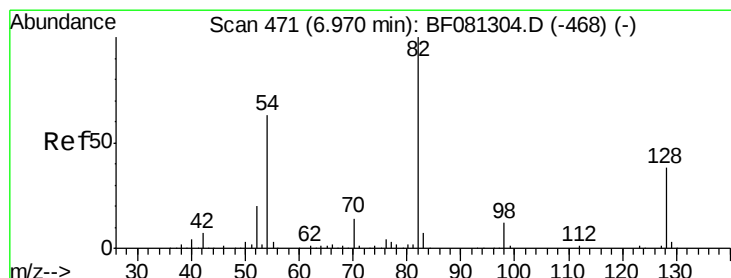
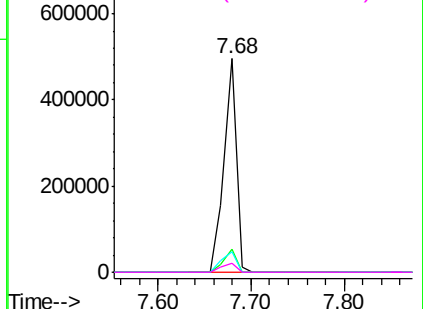
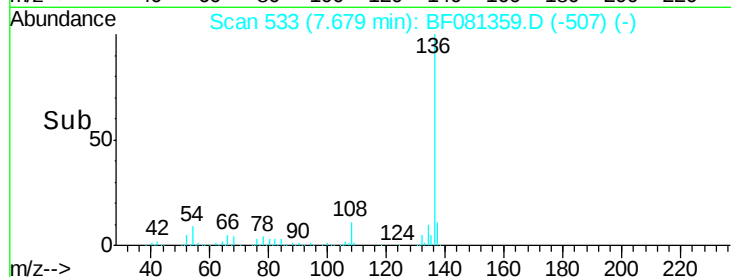


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.09 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

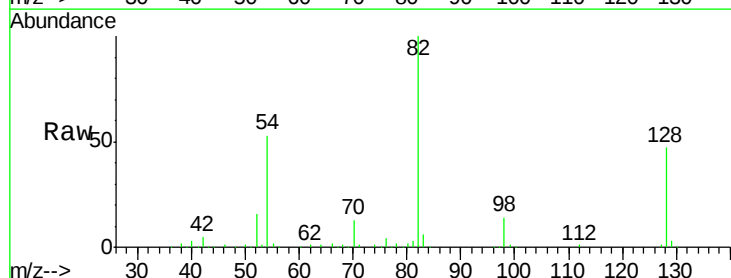
Tgt Ion: 82 Resp: 486121

Ion Ratio Lower Upper

82 100

128 47.2 51.0 76.6#

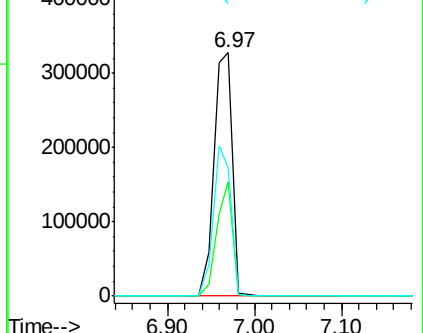
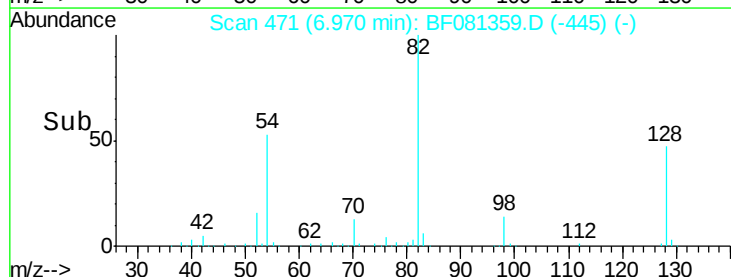
54 52.6 47.5 71.3

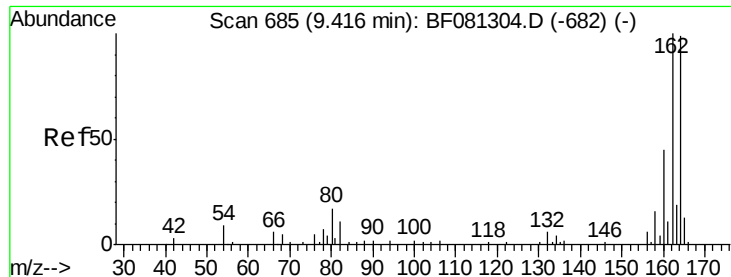


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

Instrument :

BNA\_F

ClientSampleId :

MW01-082815

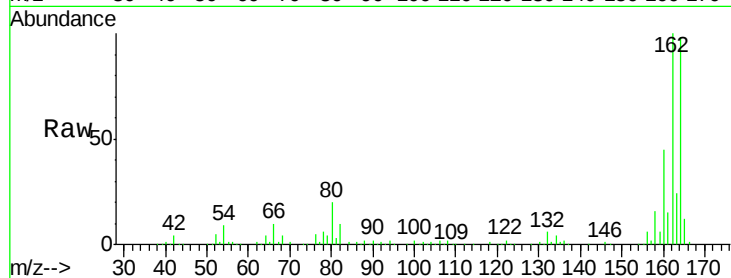
Tot Ion:164 Resp: 199304

Ion Ratio Lower Upper

164 100

162 101.6 75.2 112.8

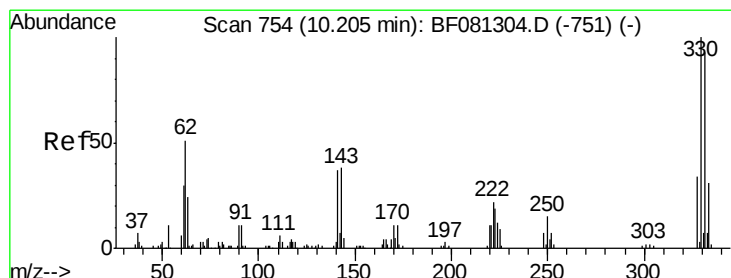
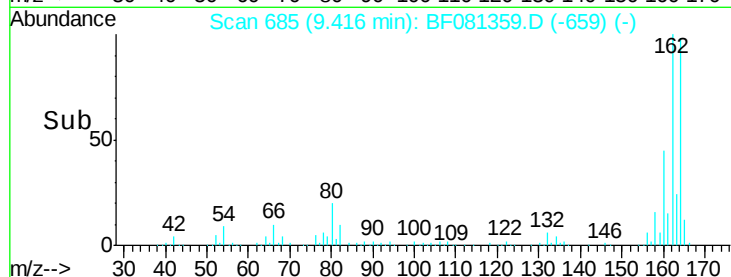
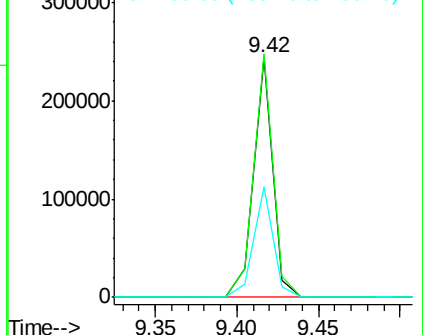
160 46.1 31.5 47.3



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: 85.12 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

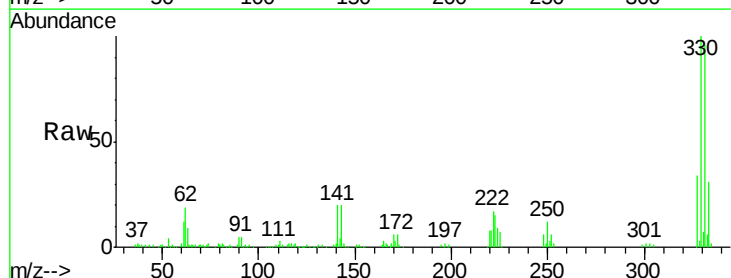
Tgt Ion:330 Resp: 151060

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

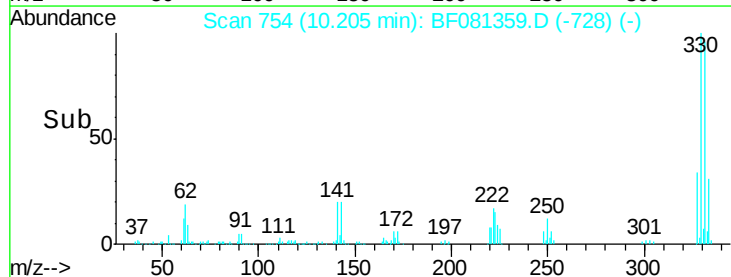
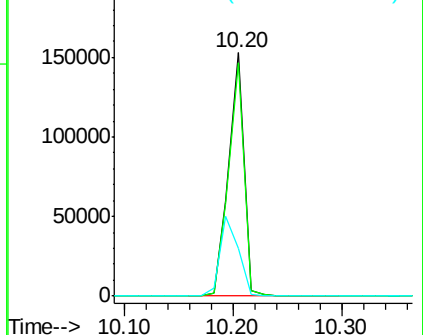
141 39.6 29.7 44.5

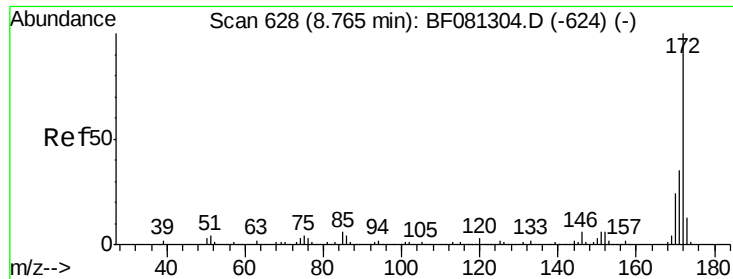


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

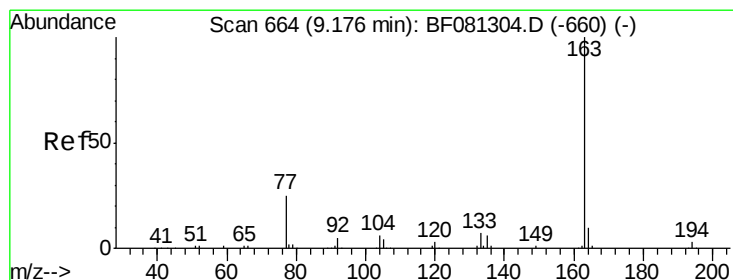
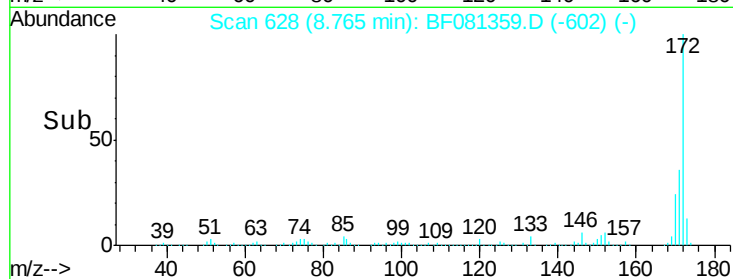
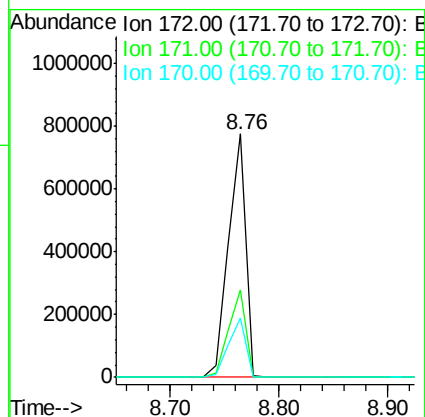
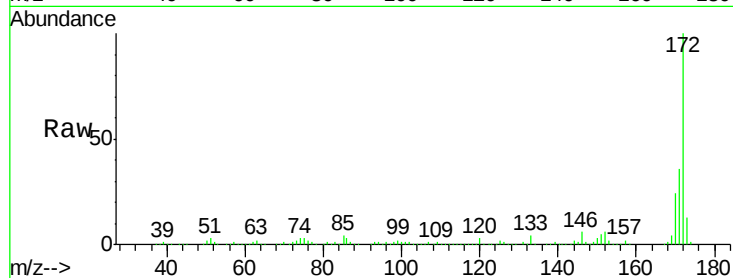




#44  
2-Fluorobiphenyl  
Concen: 54.31 ng  
RT: 8.76 min Scan# 628  
Delta R.T. 0.00 min  
Lab File: BF081359.D  
Acq: 2 Sep 2015 20:44

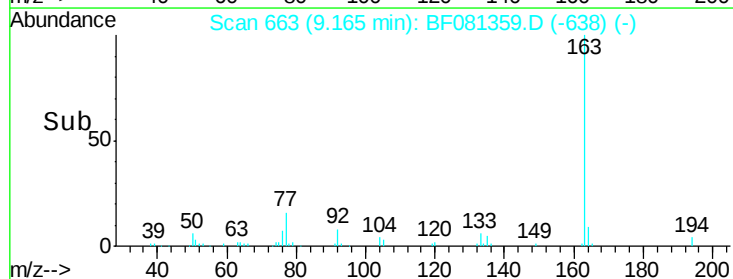
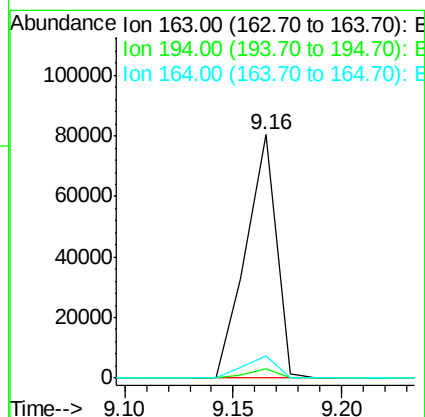
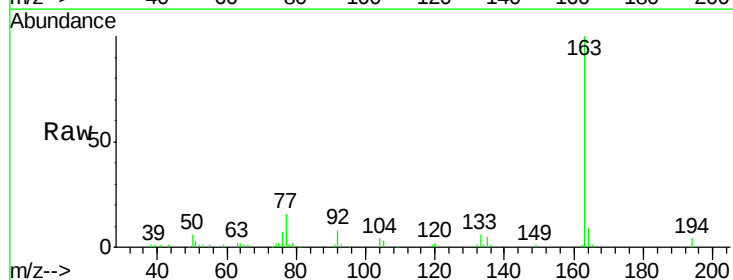
Instrument :  
BNA\_F  
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MW01-082815

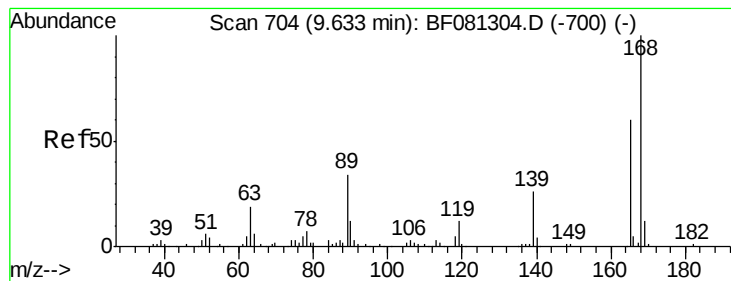
Tot Ion:172 Resp: 844665  
Ion Ratio Lower Upper  
172 100  
171 35.7 26.1 39.1  
170 24.1 17.4 26.2



#49  
Dimethylphthalate  
Concen: 5.07 ng  
RT: 9.16 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF081359.D  
Acq: 2 Sep 2015 20:44

Tgt Ion:163 Resp: 78510  
Ion Ratio Lower Upper  
163 100  
194 3.7 4.4 6.6#  
164 9.1 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 5.59 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.22 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

Instrument :

BNA\_F

ClientSampleId :

MW01-082815

Tot Ion:165 Resp: 25023

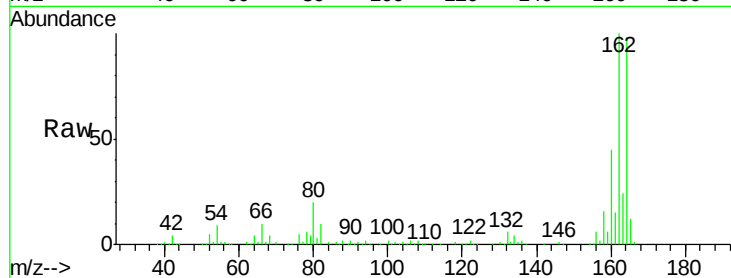
Ion Ratio Lower Upper

165 100

63 1.4 29.8 44.6#

89 1.5 44.5 66.7#

182 0.0 3.0 4.4#

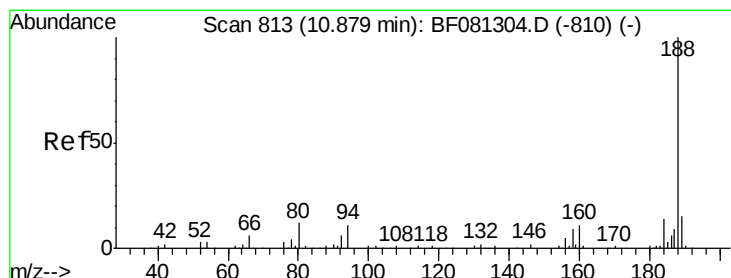
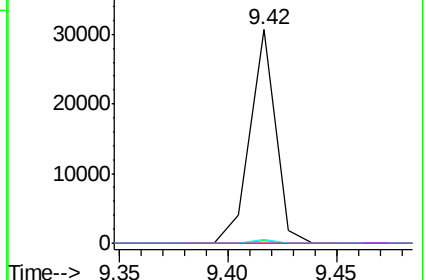
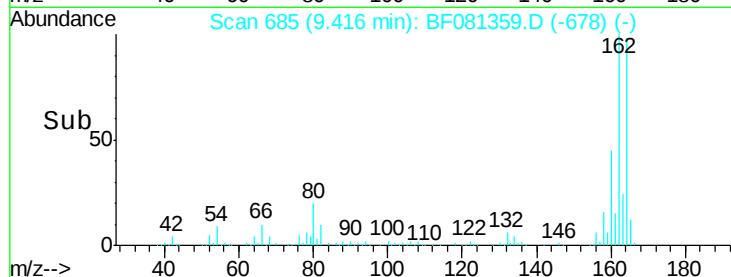


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.88 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF081359.D

Acq: 2 Sep 2015 20:44

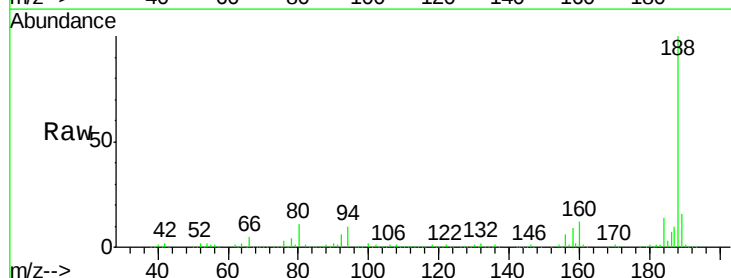
Tgt Ion:188 Resp: 345544

Ion Ratio Lower Upper

188 100

94 10.2 11.1 16.7#

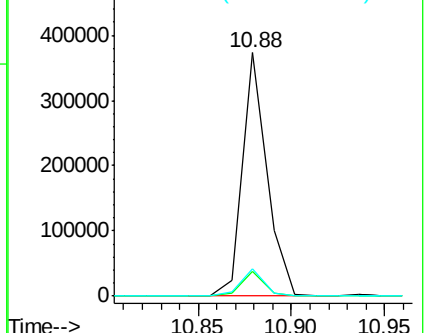
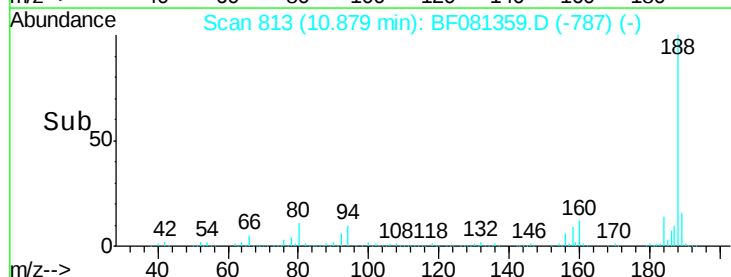
80 11.4 11.0 16.4

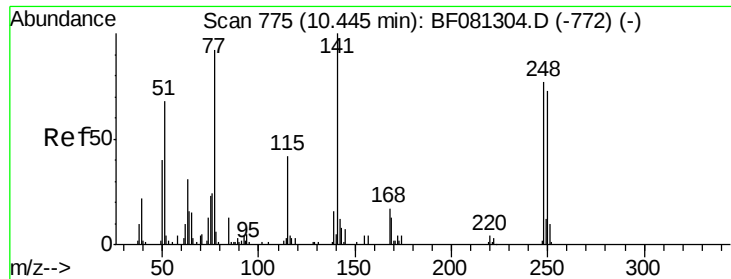


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

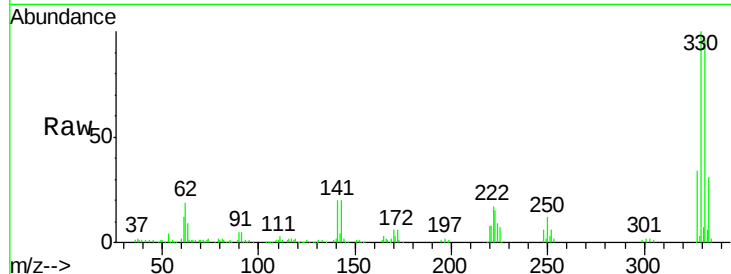




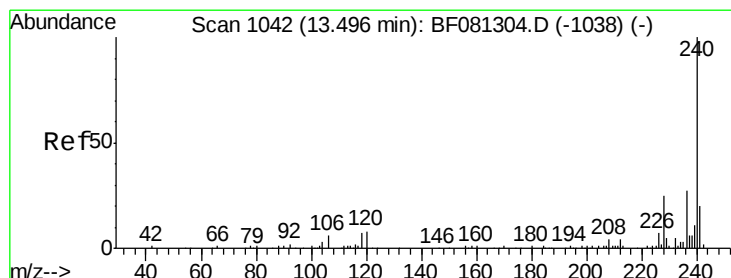
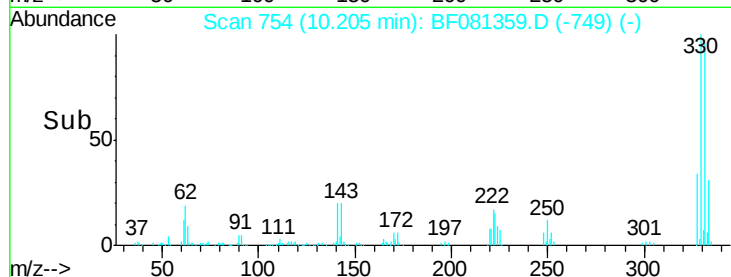
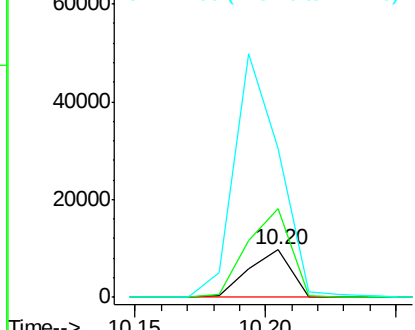
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.12 ng  
 RT: 10.20 min Scan# 754  
 Delta R.T. -0.24 min  
 Lab File: BF081359.D  
 Acq: 2 Sep 2015 20:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW01-082815

Tot Ion:248 Resp: 10886  
 Ion Ratio Lower Upper  
 248 100  
 250 188.3 78.5 117.7#  
 141 314.8 59.0 88.6#

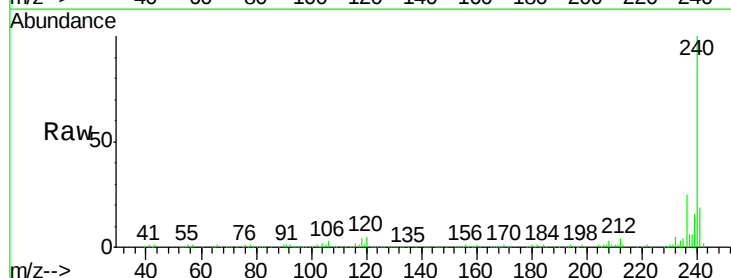


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

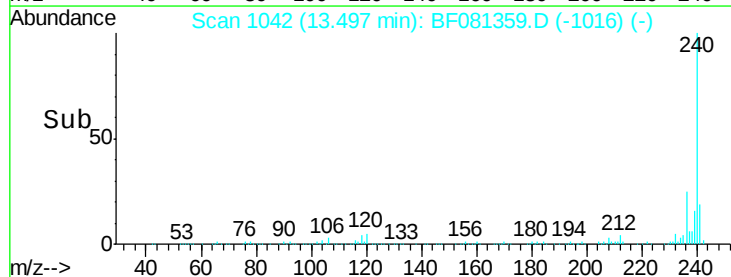
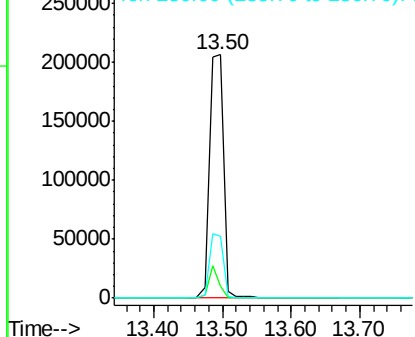


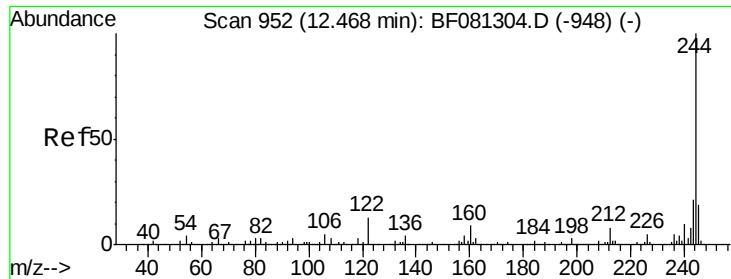
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.50 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BF081359.D  
 Acq: 2 Sep 2015 20:44

Tgt Ion:240 Resp: 296747  
 Ion Ratio Lower Upper  
 240 100  
 120 5.0 16.2 24.2#  
 236 25.3 18.4 27.6



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

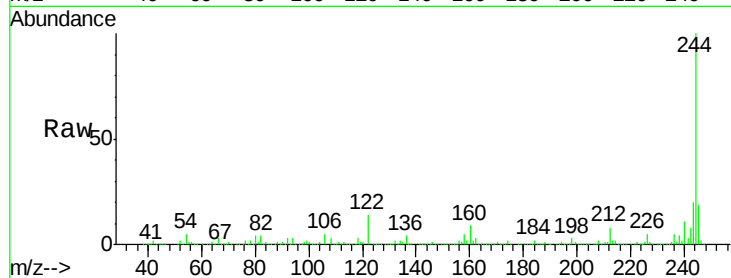




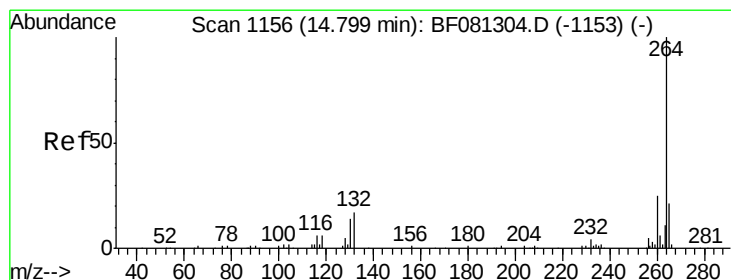
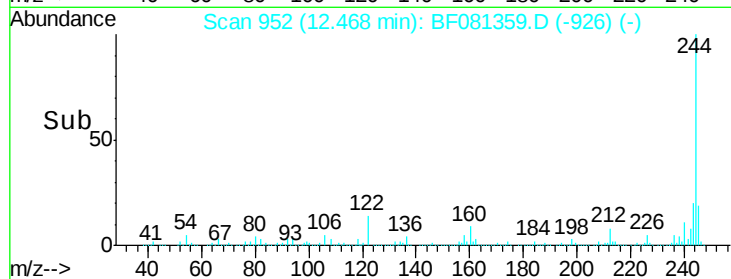
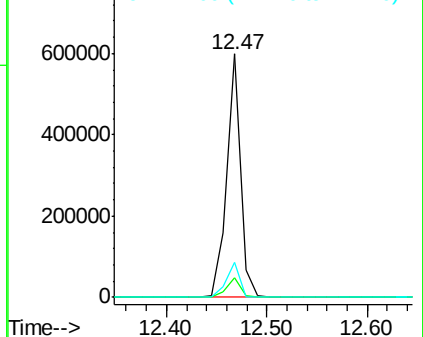
#78  
 Terphenyl-d14  
 Concen: 45.18 ng  
 RT: 12.47 min Scan# 952  
 Delta R.T. 0.00 min  
 Lab File: BF081359.D  
 Acq: 2 Sep 2015 20:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW01-082815

Tot Ion:244 Resp: 575954  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 4.3 6.5#  
 122 14.2 17.4 26.2#

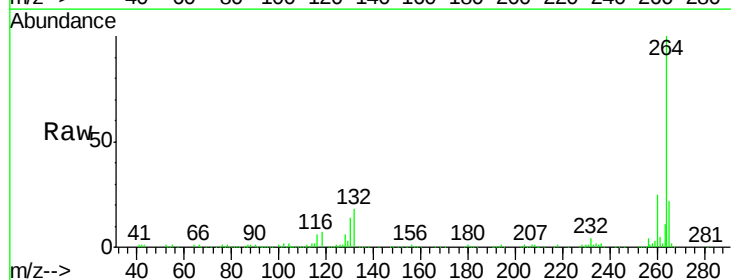


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 1156  
 Delta R.T. 0.00 min  
 Lab File: BF081359.D  
 Acq: 2 Sep 2015 20:44

Tgt Ion:264 Resp: 203978  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 16.7 25.1  
 265 21.8 17.2 25.8



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

