

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092615\  
 Data File : BF081826.D  
 Acq On : 26 Sep 2015 14:24  
 Operator : UM/IZ  
 Sample : G3754-05  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7BS

Quant Time: Sep 28 05:11:05 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:02:49 2015  
 Response via : Initial Calibration

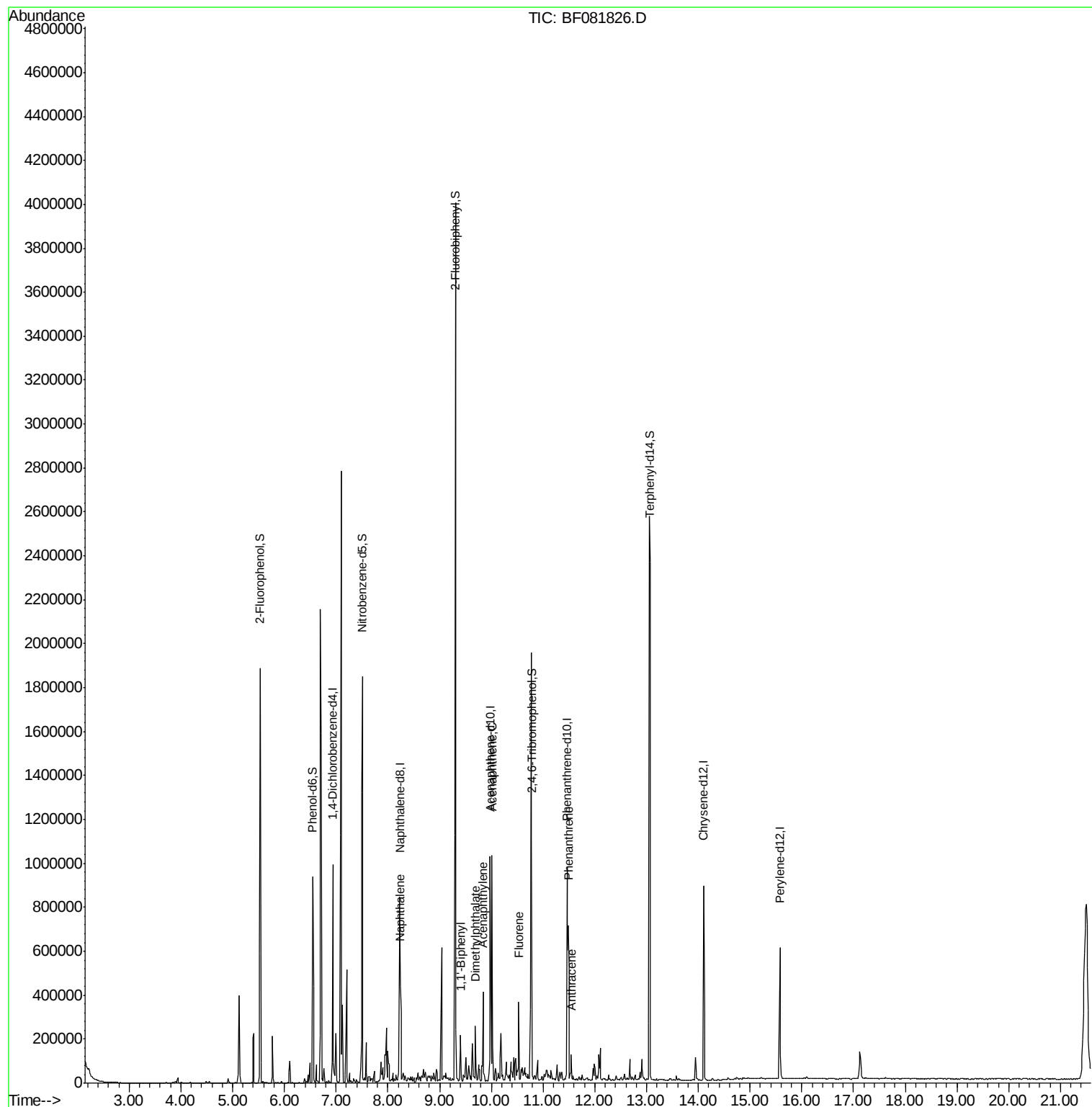
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 138465   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.23  | 136  | 507480   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.98  | 164  | 232730   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.46 | 188  | 443511   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.10 | 240  | 323956   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.58 | 264  | 282461   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 471963   | 57.66  | ng    | -0.01    |
| 7) Phenol-d6                | 6.55  | 99   | 368821   | 35.63  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 773456   | 100.56 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 319791   | 158.27 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 1223726  | 86.32  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.06 | 244  | 1238646  | 87.34  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.24  | 128  | 256539   | 10.96  | ng    | 98       |
| 45) 1,1'-Biphenyl           | 9.41  | 154  | 86363    | 4.75   | ng    | 97       |
| 48) Acenaphthylene          | 9.84  | 152  | 137659   | 5.56   | ng    | 96       |
| 49) Dimethylphthalate       | 9.69  | 163  | 96924    | 5.47   | ng    | # 97     |
| 51) Acenaphthene            | 10.01 | 154  | 204674   | 14.34  | ng    | 88       |
| 57) Fluorene                | 10.53 | 166  | 109403   | 6.81   | ng    | 91       |
| 70) Phenanthrene            | 11.49 | 178  | 367880   | 14.51  | ng    | 97       |
| 71) Anthracene              | 11.54 | 178  | 50200    | 2.05   | ng    | 97       |

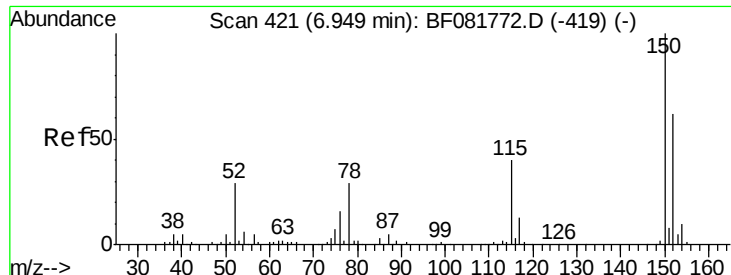
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 25 06:02:49 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

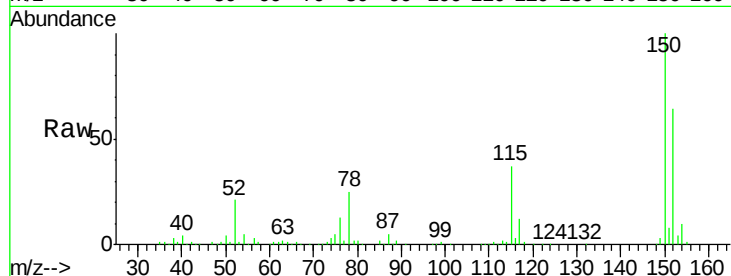
Tgt Ion:152 Resp: 138465

Ion Ratio Lower Upper

152 100

150 156.4 124.7 187.1

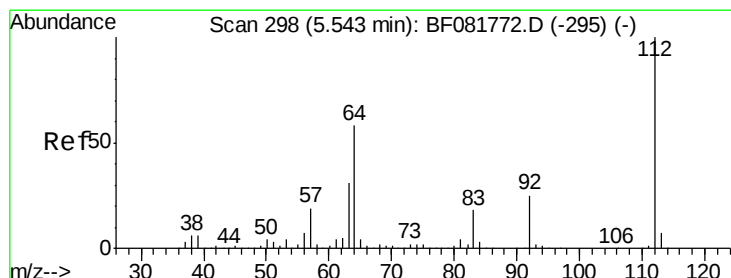
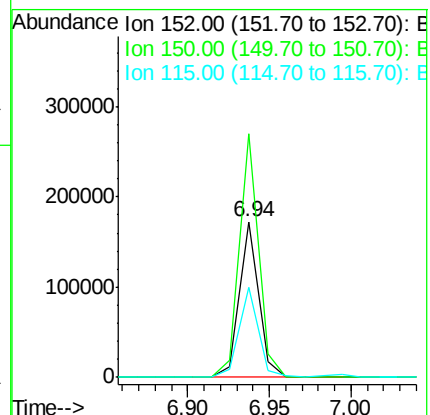
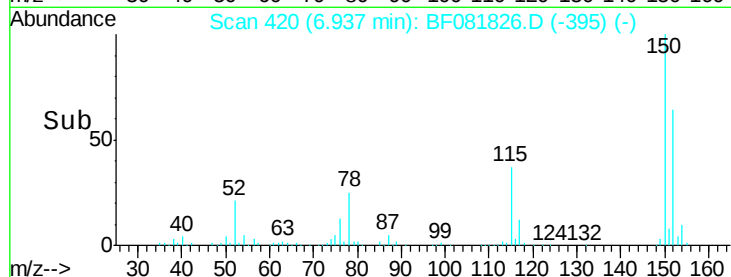
115 58.2 39.0 58.4



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: 57.66 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

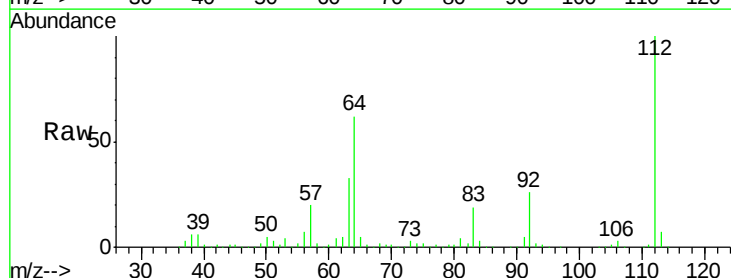
Tgt Ion:112 Resp: 471963

Ion Ratio Lower Upper

112 100

64 62.0 39.7 59.5#

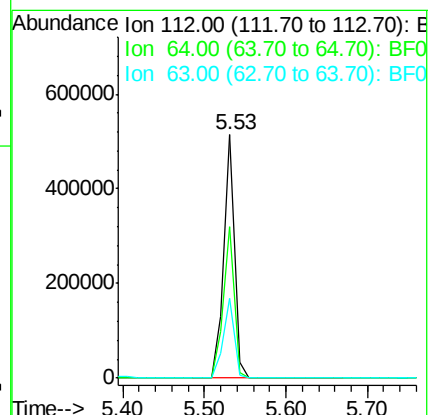
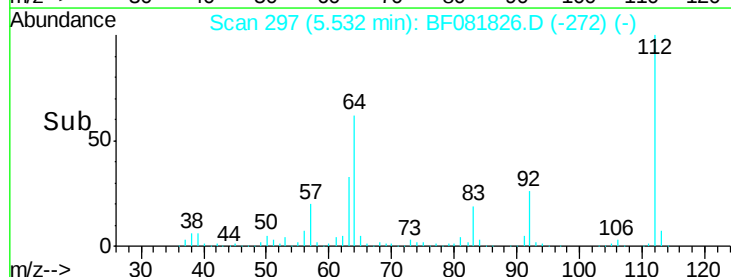
63 32.8 17.4 26.0#

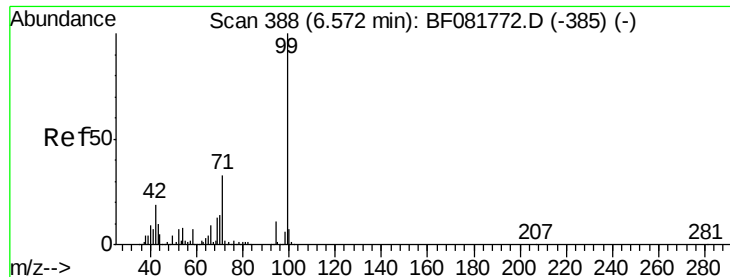


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.63 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

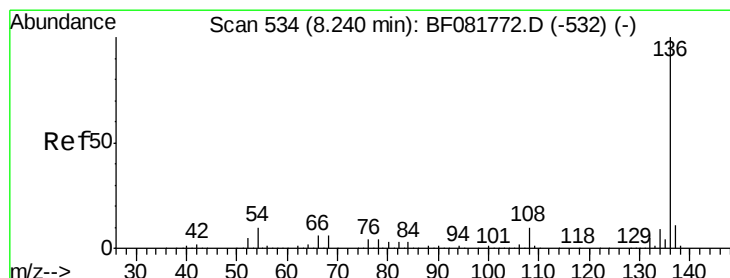
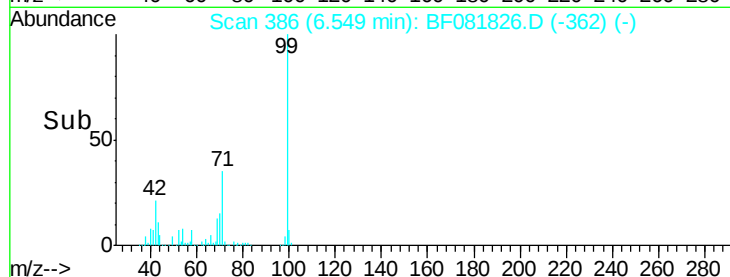
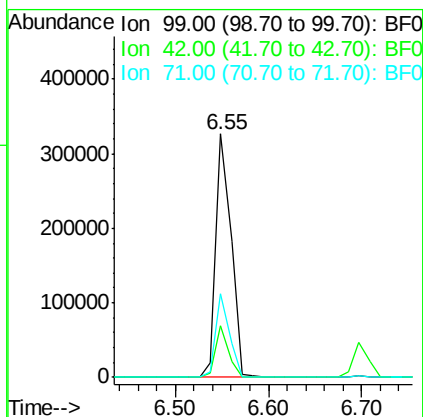
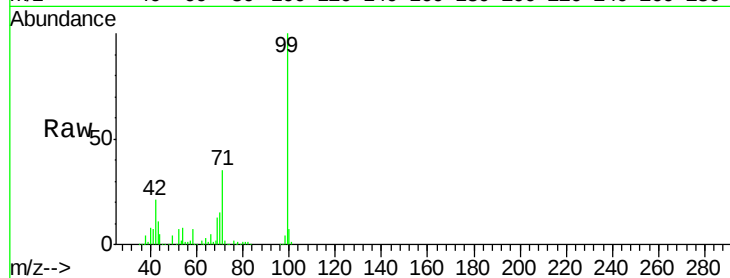
Tgt Ion: 99 Resp: 368821

Ion Ratio Lower Upper

99 100

42 21.2 13.7 20.5#

71 34.6 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Tgt Ion: 136 Resp: 507480

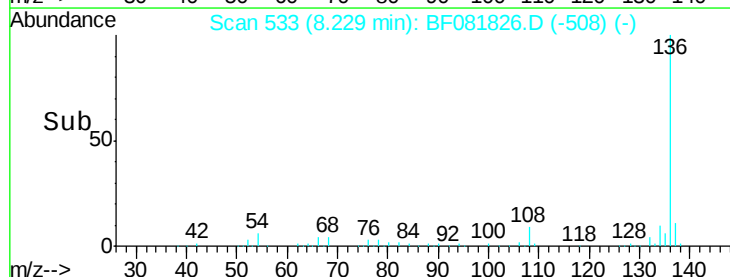
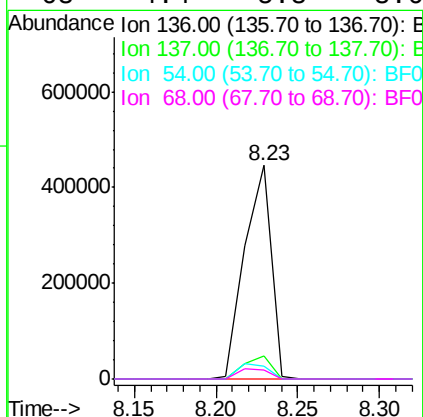
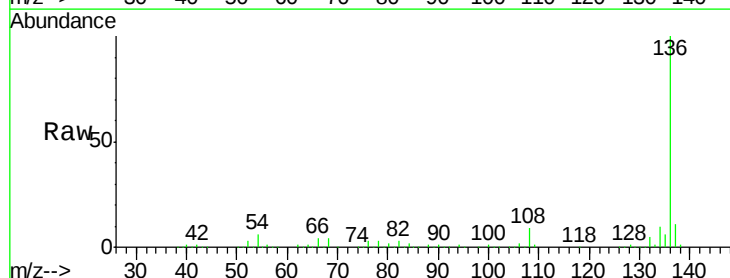
Ion Ratio Lower Upper

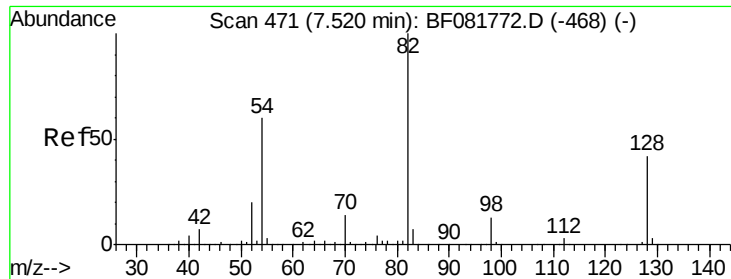
136 100

137 10.6 9.0 13.6

54 6.1 8.2 12.2#

68 4.4 5.8 8.6#

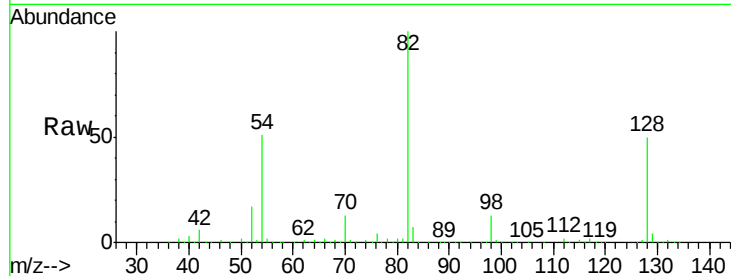




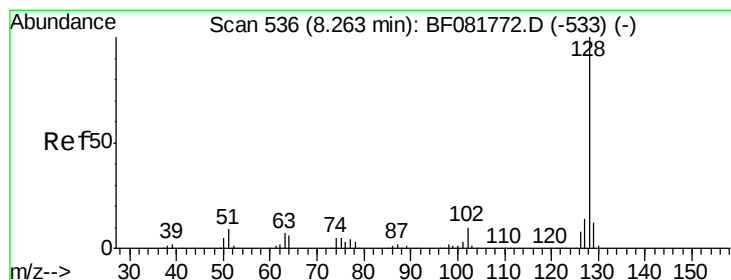
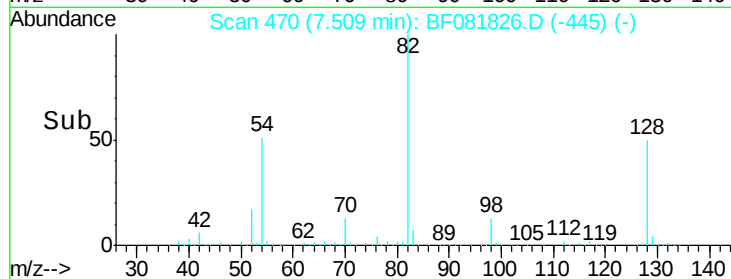
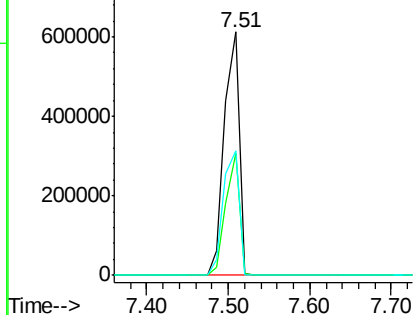
#23  
 Nitrobenzene-d5  
 Concen: 100.56 ng  
 RT: 7.51 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7BS

Tgt Ion: 82 Resp: 773456  
 Ion Ratio Lower Upper  
 82 100  
 128 50.3 51.0 76.6#  
 54 51.0 47.5 71.3

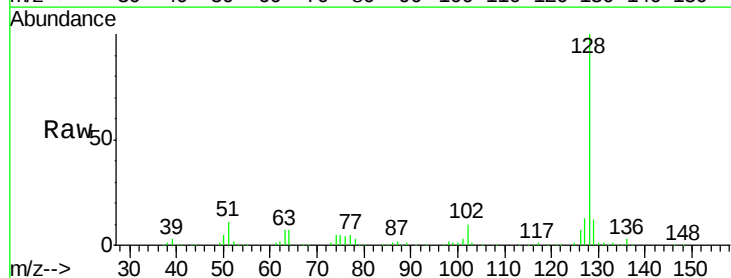


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

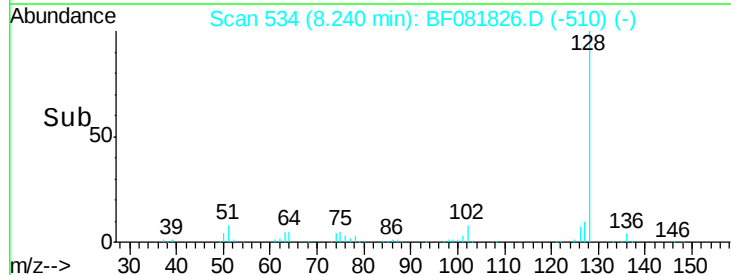
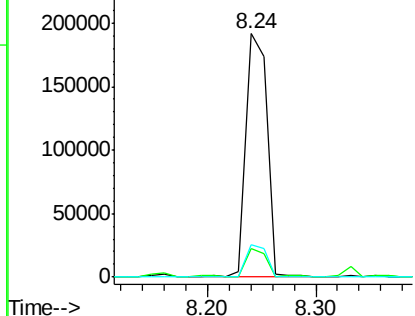


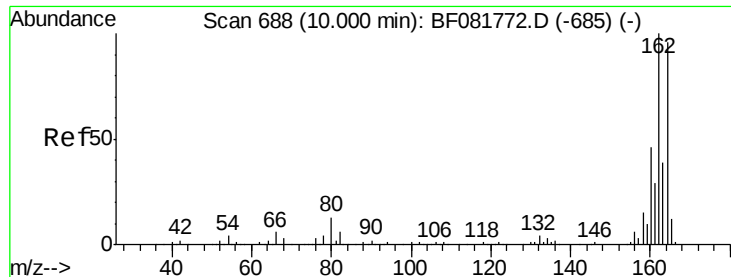
#31  
 Naphthalene  
 Concen: 10.96 ng  
 RT: 8.24 min Scan# 534  
 Delta R.T. -0.02 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Tgt Ion: 128 Resp: 256539  
 Ion Ratio Lower Upper  
 128 100  
 129 11.7 8.4 12.6  
 127 13.2 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

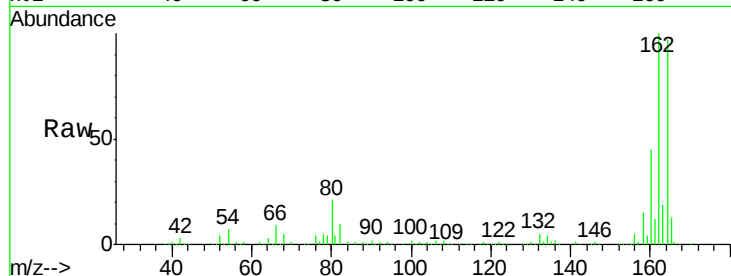
Tgt Ion:164 Resp: 232730

Ion Ratio Lower Upper

164 100

162 103.3 75.2 112.8

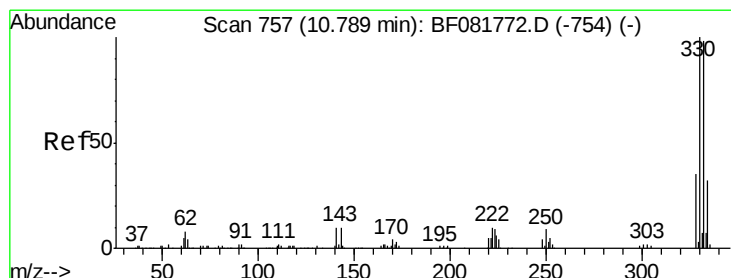
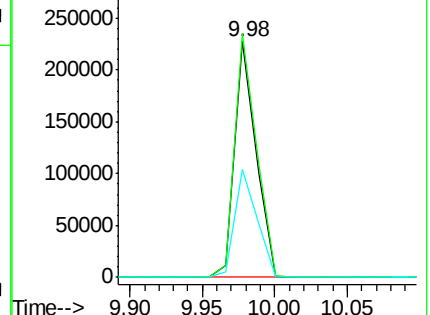
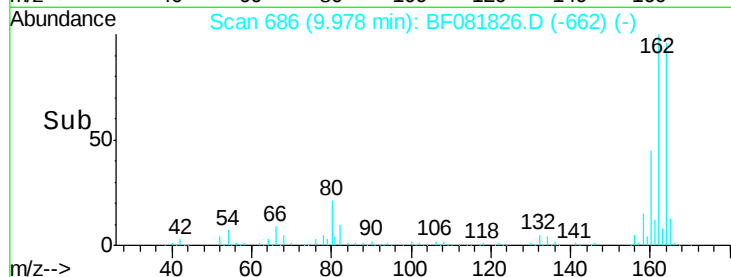
160 46.0 31.5 47.3



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: 158.27 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

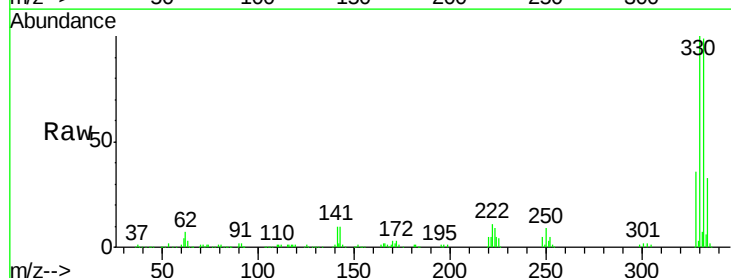
Tgt Ion:330 Resp: 319791

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

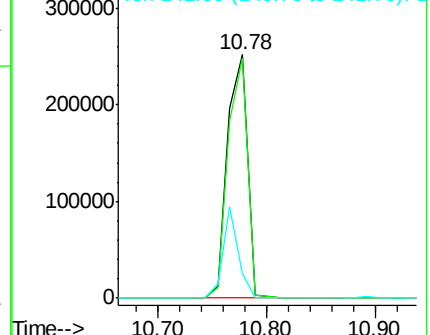
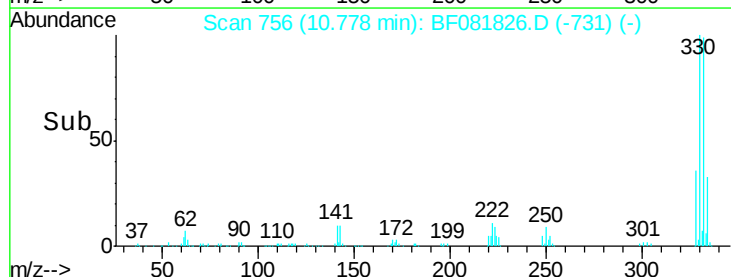
141 29.9 29.7 44.5

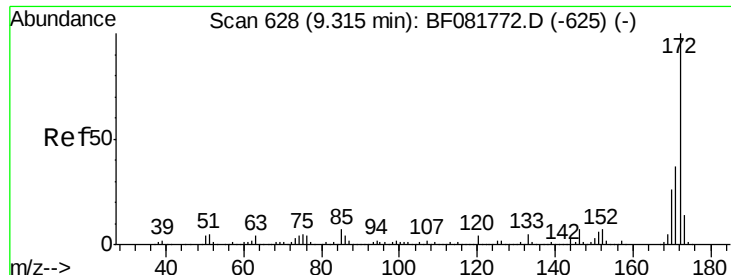


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

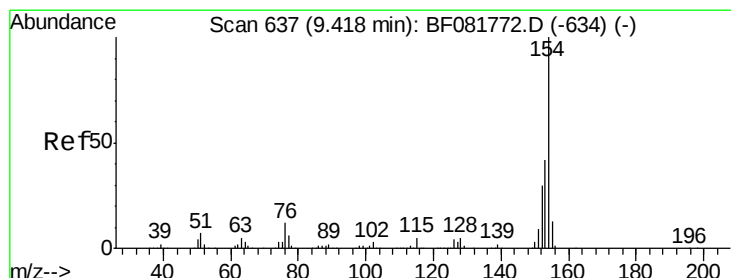
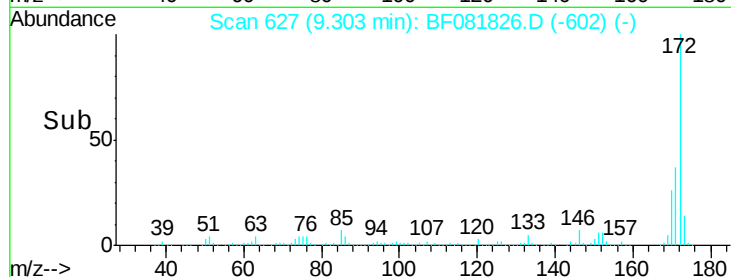
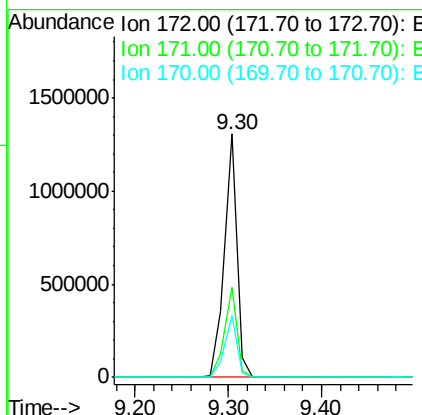
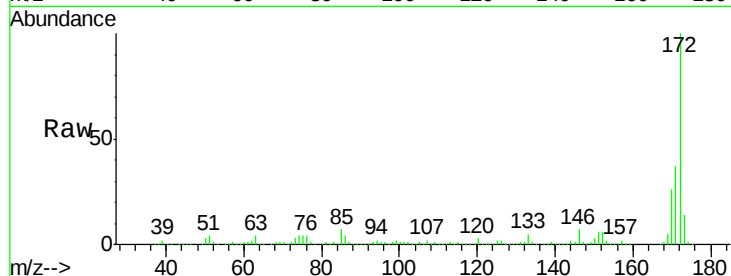




#44  
 2-Fluorobiphenyl  
 Concen: 86.32 ng  
 RT: 9.30 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

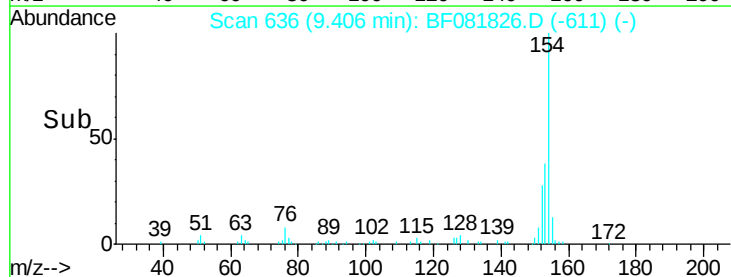
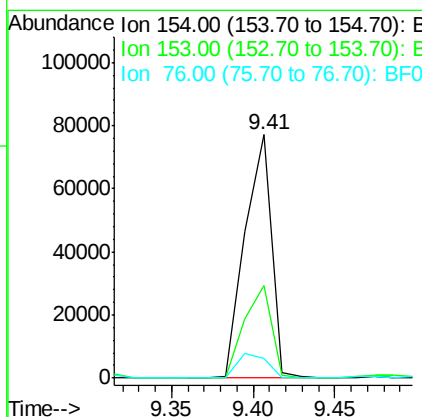
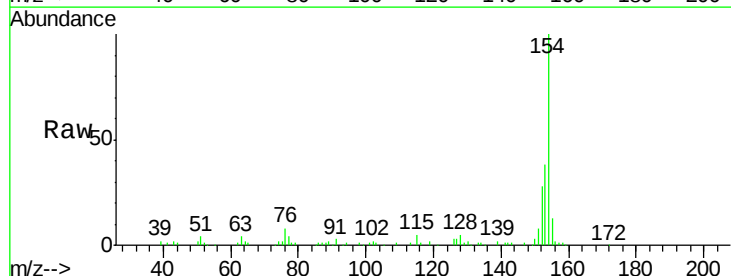
Instrument :  
 BNA\_F  
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 MW-7BS

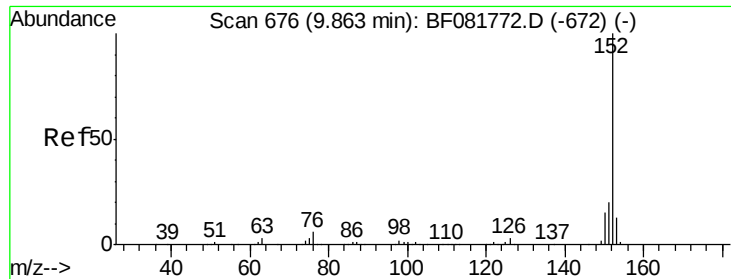
Tgt Ion:172 Resp: 1223726  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 26.1 39.1  
 170 25.6 17.4 26.2



#45  
 1,1'-Biphenyl  
 Concen: 4.75 ng  
 RT: 9.41 min Scan# 636  
 Delta R.T. -0.01 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Tgt Ion:154 Resp: 86363  
 Ion Ratio Lower Upper  
 154 100  
 153 38.0 17.1 57.1  
 76 7.9 0.0 31.6





#48

Acenaphthylene

Concen: 5.56 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

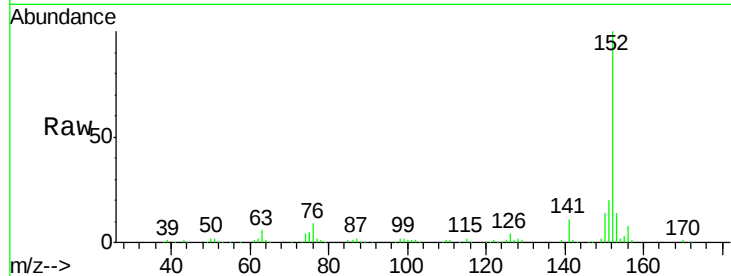
Tgt Ion:152 Resp: 137659

Ion Ratio Lower Upper

152 100

151 19.9 14.6 22.0

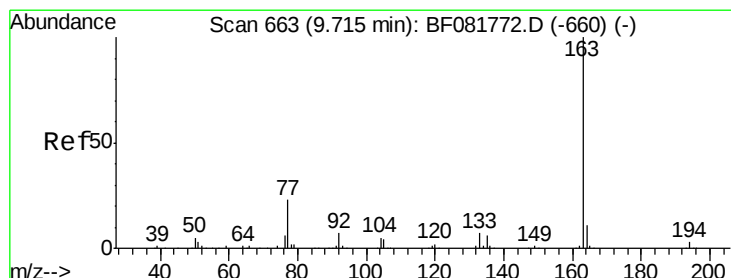
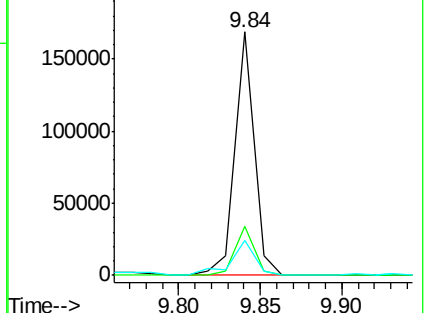
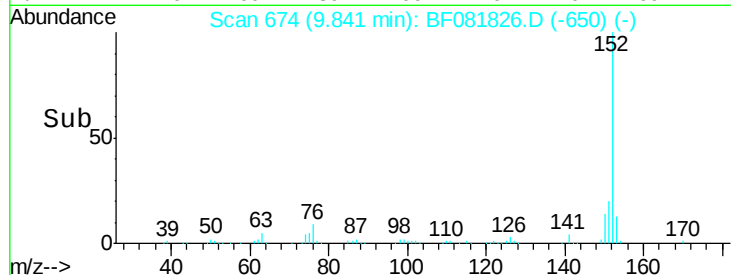
153 14.2 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.47 ng

RT: 9.69 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

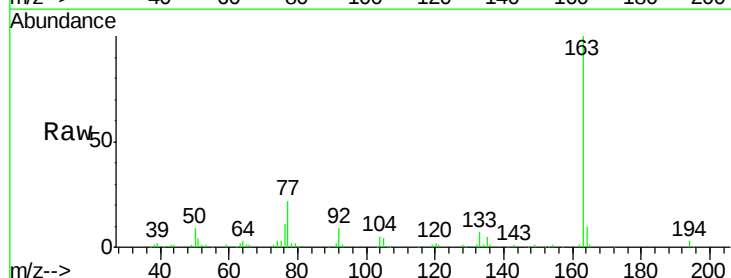
Tgt Ion:163 Resp: 96924

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

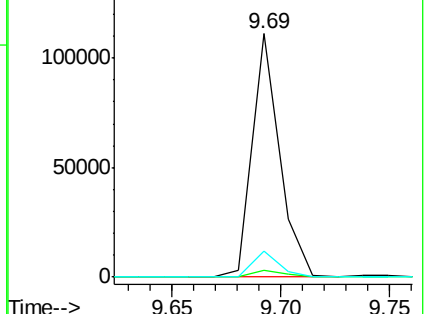
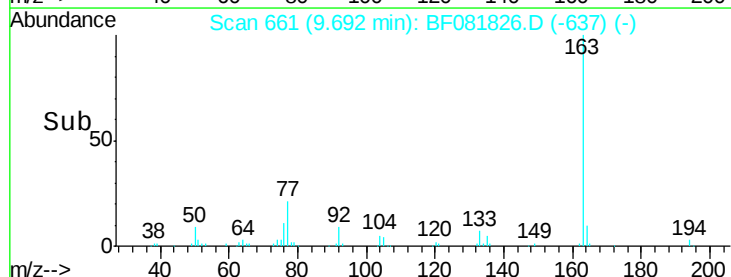
164 10.5 8.3 12.5

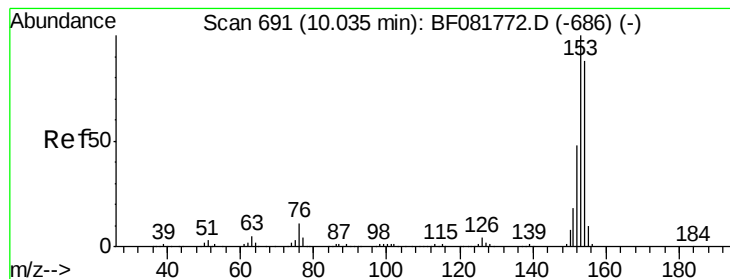


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 14.34 ng

RT: 10.01 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

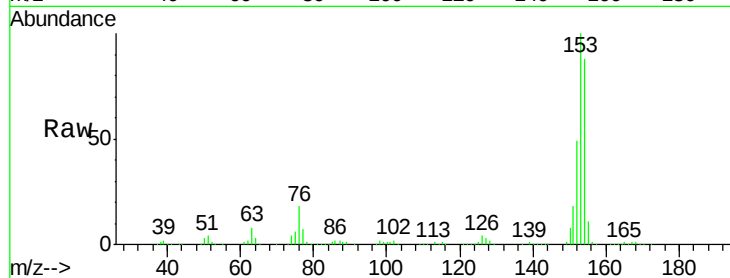
Tgt Ion:154 Resp: 204674

Ion Ratio Lower Upper

154 100

153 113.9 82.1 123.1

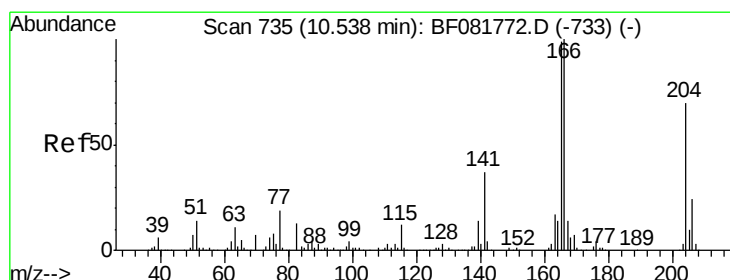
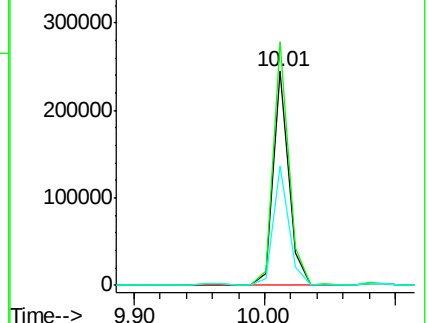
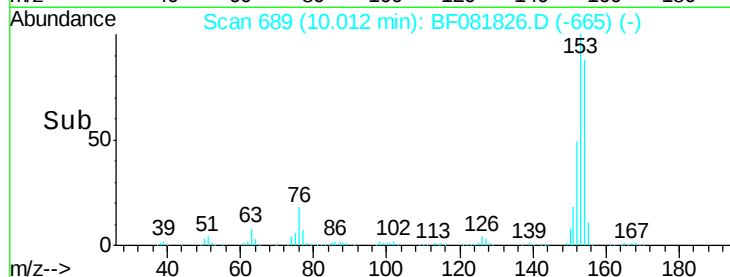
152 55.7 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.81 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

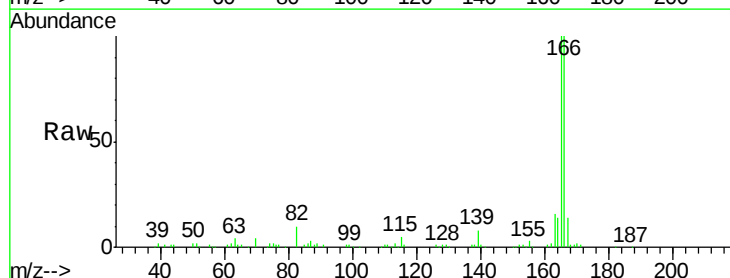
Tgt Ion:166 Resp: 109403

Ion Ratio Lower Upper

166 100

165 100.4 72.6 109.0

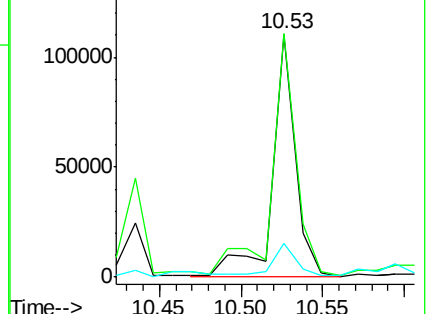
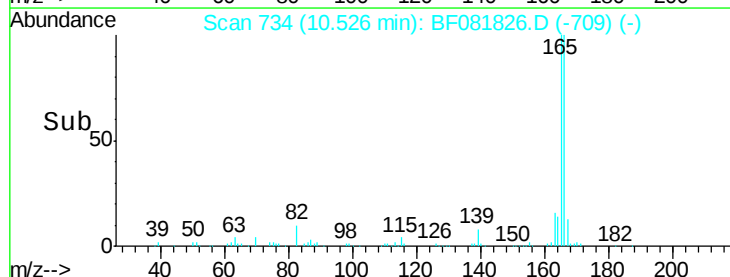
167 13.7 10.6 16.0

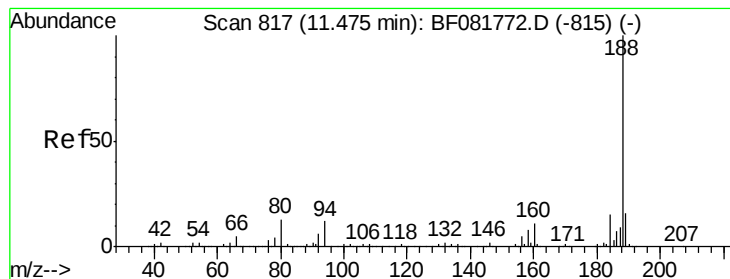


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

Instrument :

BNA\_F

ClientSampleId :

MW-7BS

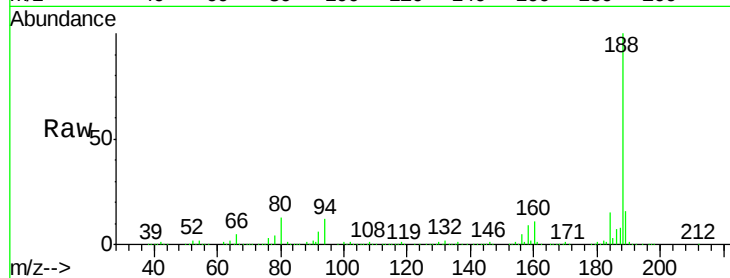
Tgt Ion:188 Resp: 443511

Ion Ratio Lower Upper

188 100

94 11.8 11.1 16.7

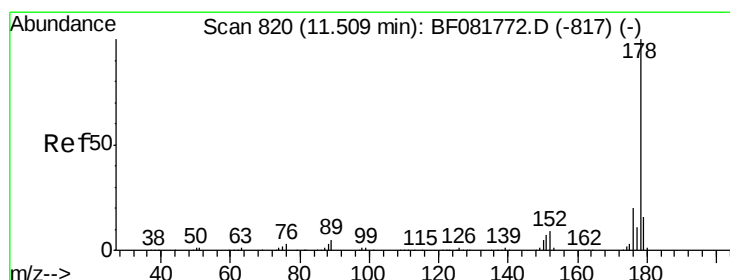
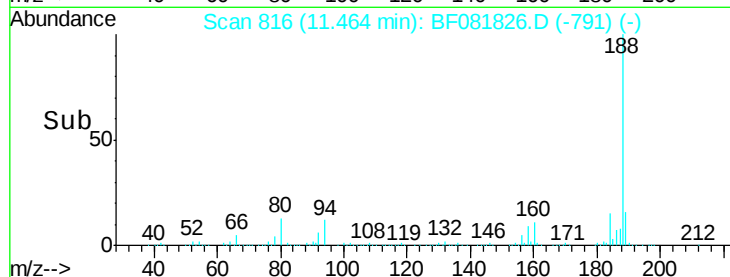
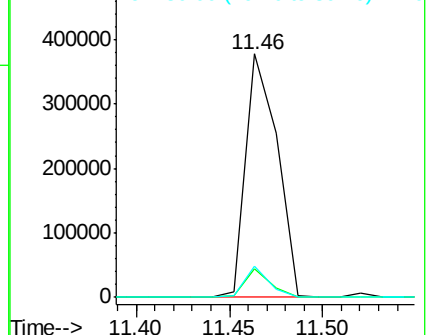
80 12.8 11.0 16.4



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



#70

Phenanthrene

Concen: 14.51 ng

RT: 11.49 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF081826.D

Acq: 26 Sep 2015 14:24

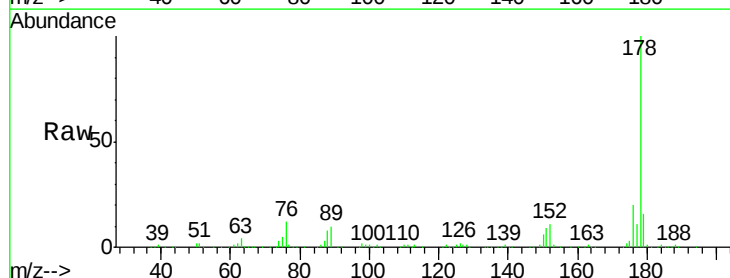
Tgt Ion:178 Resp: 367880

Ion Ratio Lower Upper

178 100

176 19.7 13.8 20.8

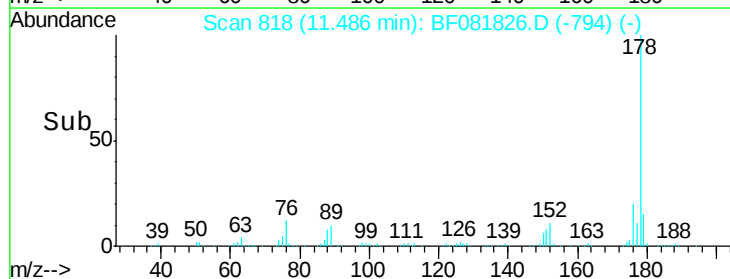
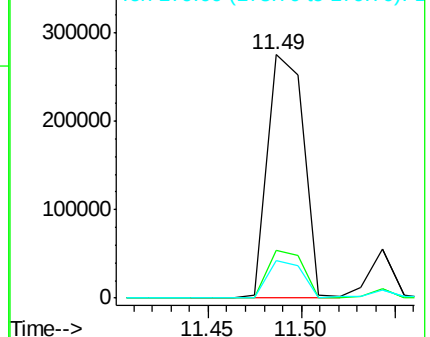
179 15.7 12.2 18.2

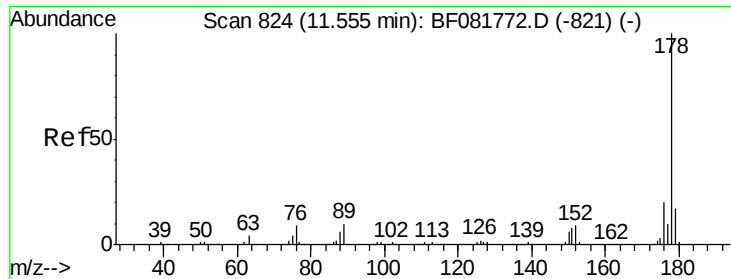


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

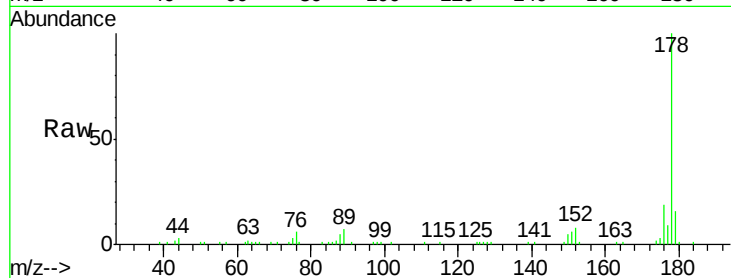




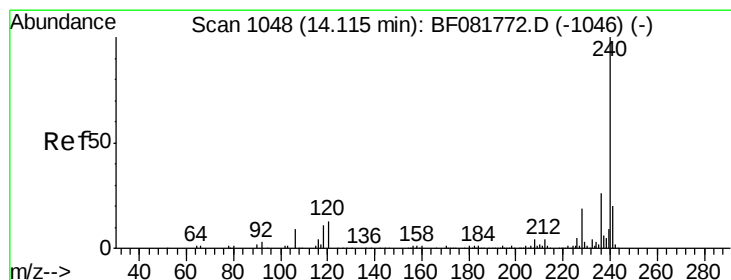
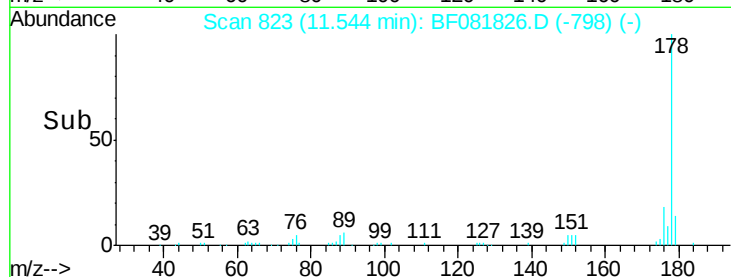
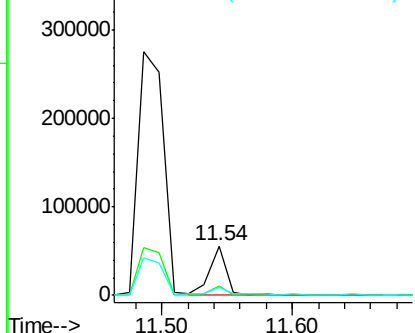
#71  
 Anthracene  
 Concen: 2.05 ng  
 RT: 11.54 min Scan# 823  
 Delta R.T. -0.01 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7BS

Tgt Ion:178 Resp: 50200  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 14.1 21.1  
 179 16.1 12.2 18.2

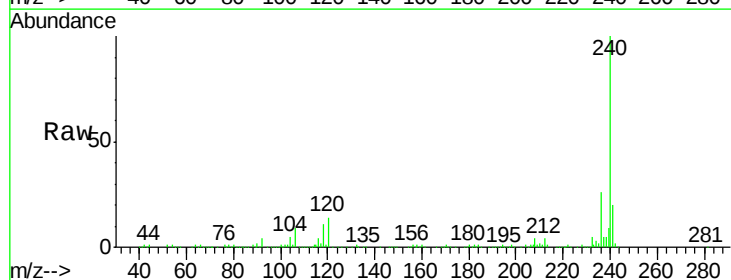


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

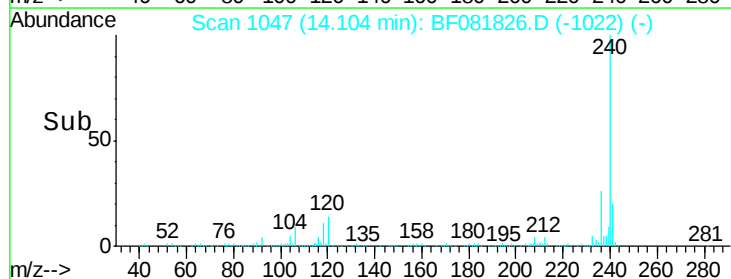
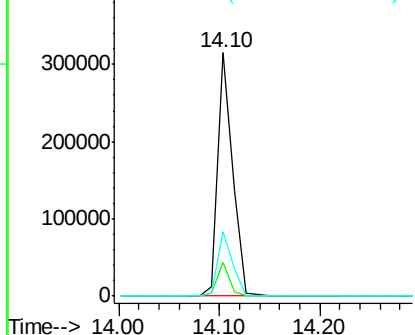


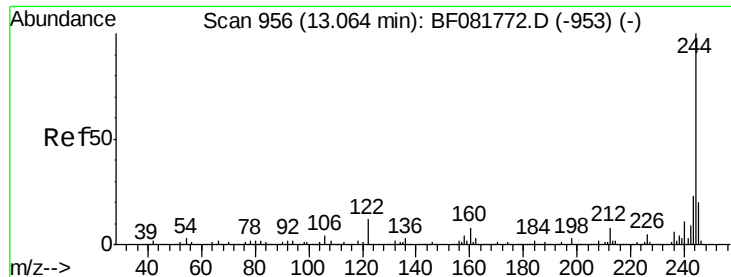
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.10 min Scan# 1047  
 Delta R.T. -0.01 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Tgt Ion:240 Resp: 323956  
 Ion Ratio Lower Upper  
 240 100  
 120 14.0 16.2 24.2#  
 236 26.4 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

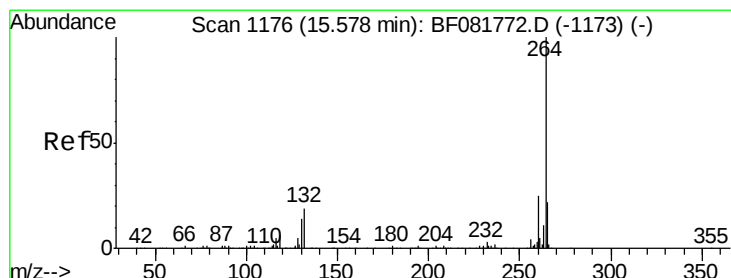
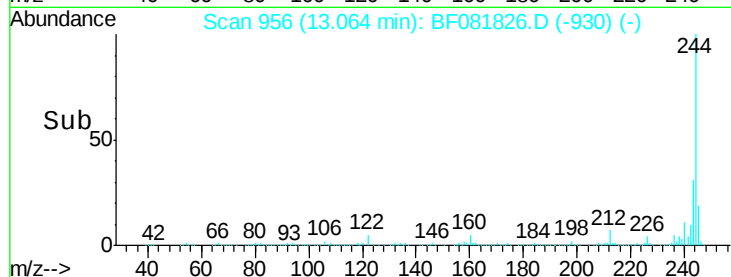
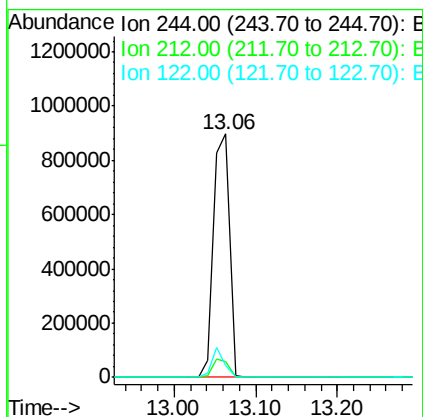
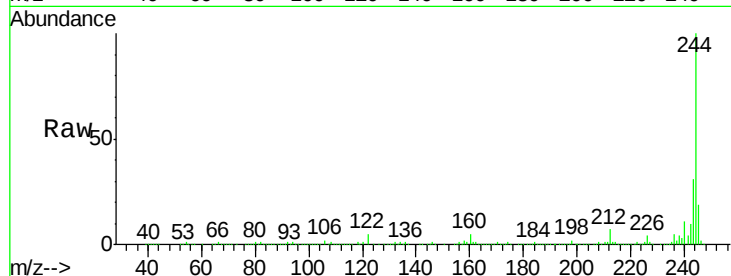




#78  
 Terphenyl-d14  
 Concen: 87.34 ng  
 RT: 13.06 min Scan# 956  
 Delta R.T. 0.00 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7BS

Tgt Ion:244 Resp: 1238646  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 4.3 6.5#  
 122 5.1 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.58 min Scan# 1176  
 Delta R.T. 0.00 min  
 Lab File: BF081826.D  
 Acq: 26 Sep 2015 14:24

Tgt Ion:264 Resp: 282461  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 16.7 25.1  
 265 21.1 17.2 25.8

