

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
 Data File : BF093491.D  
 Acq On : 9 Mar 2017 22:34  
 Operator : SJ/MA  
 Sample : I2195-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-TP-6-COMP-0-12FT

Quant Time: Mar 09 23:52:58 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

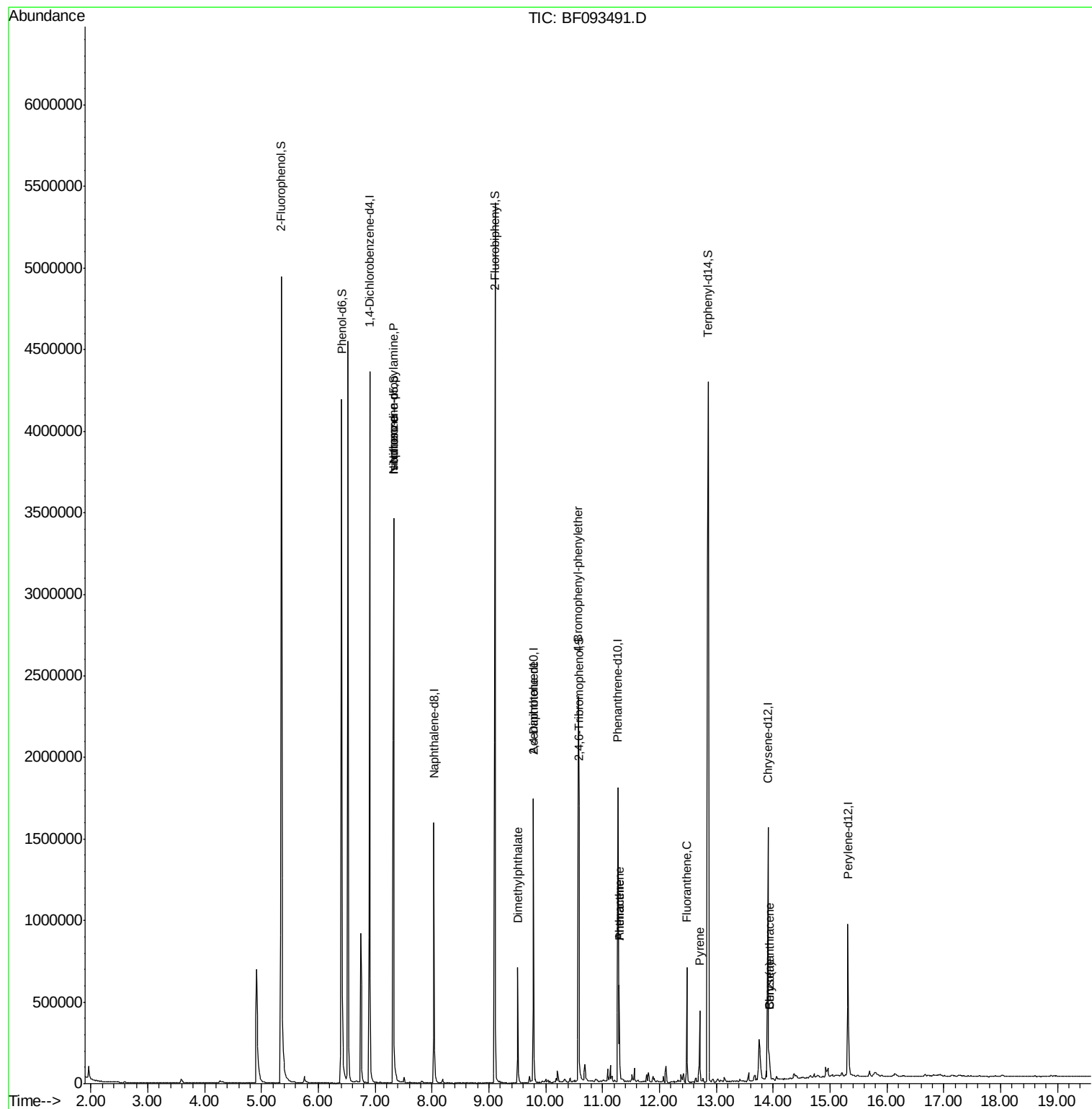
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 658632   | 20.00     | ng    | 0.14     |
| 21) Naphthalene-d8             | 8.04  | 136  | 713568   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.78  | 164  | 337217   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.27 | 188  | 634967   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.91 | 240  | 561677   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.32 | 264  | 417001   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 1525157  | 38.54     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.41  | 99   | 2169200  | 43.47     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 1415624  | 110.07    | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.58 | 330  | 379140   | 172.57    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.11  | 172  | 1788454  | 98.65     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.86 | 244  | 1741167  | 80.60     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.41  | 77   | 4489     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 193016   | 5.63      | ng    | # 78     |
| 25) Isophorone                 | 7.33  | 82   | 1406369  | 54.23     | ng    | # 65     |
| 49) Dimethylphthalate          | 9.51  | 163  | 287771   | 12.87     | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 42796    | 7.10      | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 26665    | 3.97      | ng    | # 1      |
| 70) Phenanthrene               | 11.29 | 178  | 215882   | 5.96      | ng    | 99       |
| 71) Anthracene                 | 11.29 | 178  | 215882   | 5.89      | ng    | 100      |
| 74) Fluoranthene               | 12.48 | 202  | 266339   | 7.61      | ng    | 98       |
| 77) Pyrene                     | 12.71 | 202  | 170631   | 4.18      | ng    | 97       |
| 80) Benzo(a)anthracene         | 13.93 | 228  | 70335    | 2.12      | ng    | 96       |
| 82) Chrysene                   | 13.93 | 228  | 70335    | 2.29      | ng    | 98       |

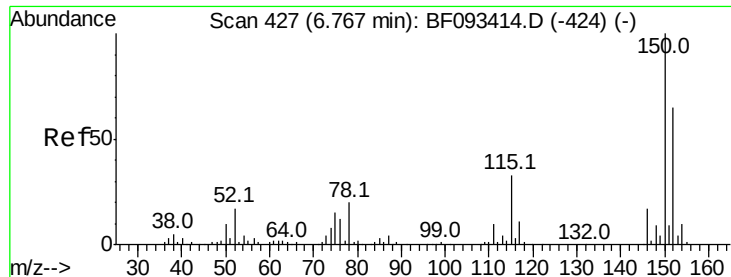
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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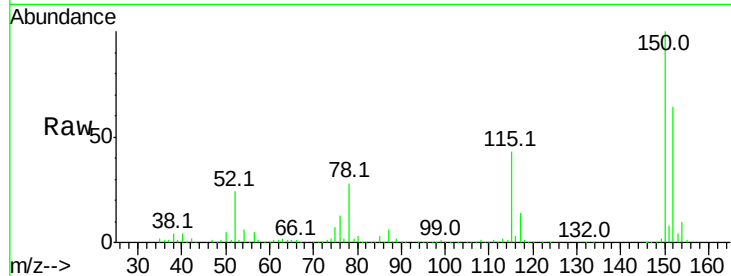


#1

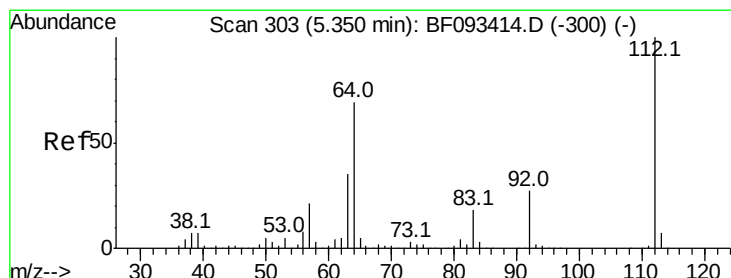
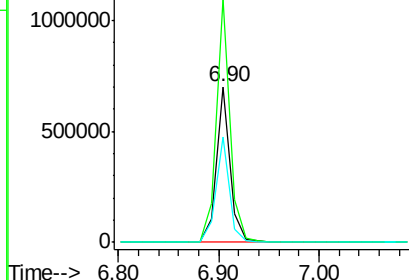
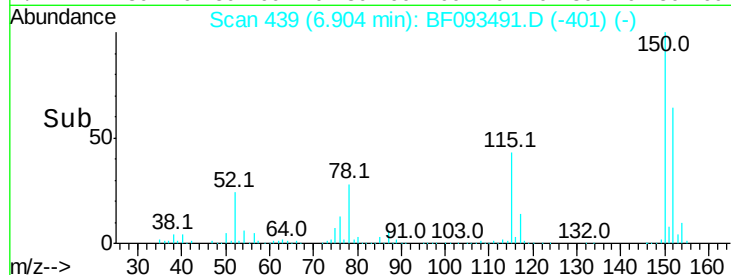
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.90 min Scan# 439  
 Delta R.T. 0.14 min  
 Lab File: BF093491.D  
 Acq: 9 Mar 2017 22:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-TP-6-COMP-0-12FT

Tot Ion:152 Resp: 658632  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 124.9 187.3  
 115 68.1 46.0 69.0



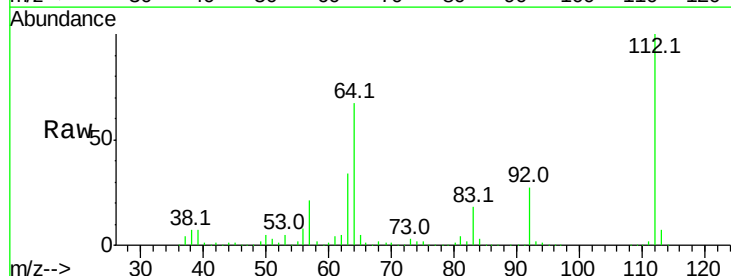
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



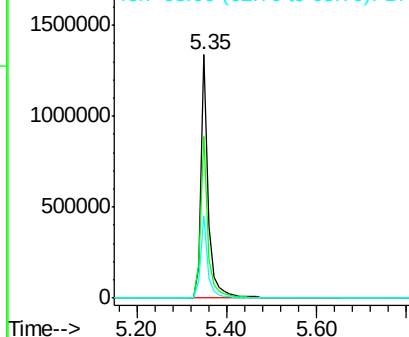
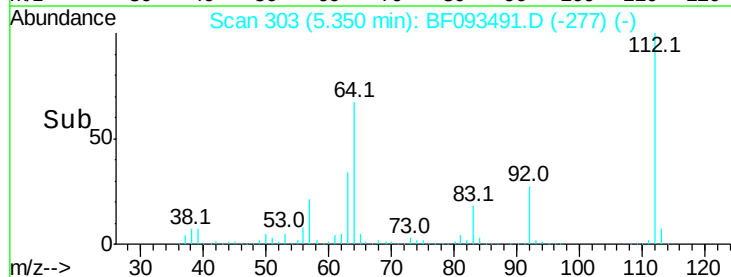
#5

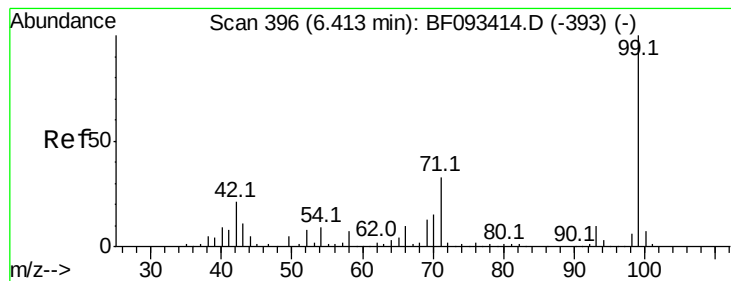
2-Fluorophenol  
 Concen: 38.54 ng  
 RT: 5.35 min Scan# 303  
 Delta R.T. -0.00 min  
 Lab File: BF093491.D  
 Acq: 9 Mar 2017 22:34

Tgt Ion:112 Resp: 1525157  
 Ion Ratio Lower Upper  
 112 100  
 64 66.6 46.1 69.1  
 63 34.0 23.8 35.6



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: 43.47 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Instrument :

BNA\_F

ClientSampleId :

TP-7-TP-6-COMP-0-12FT

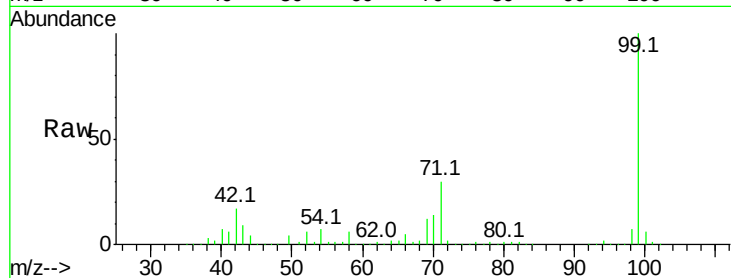
Tot Ion: 99 Resp: 2169200

Ion Ratio Lower Upper

99 100

42 16.5 15.6 23.4

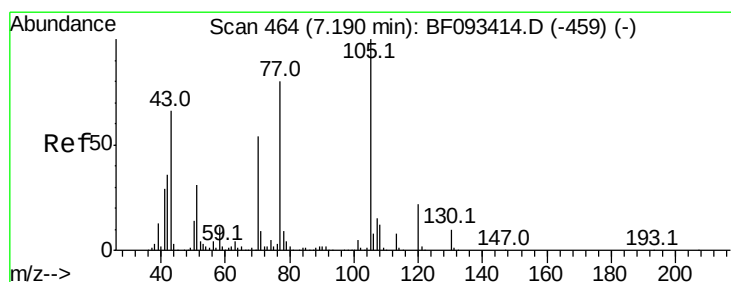
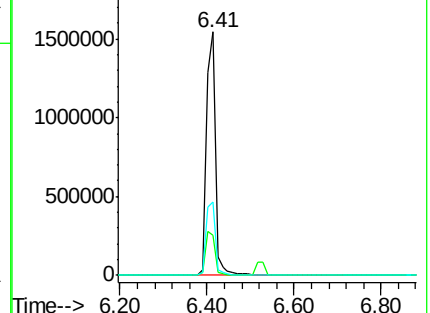
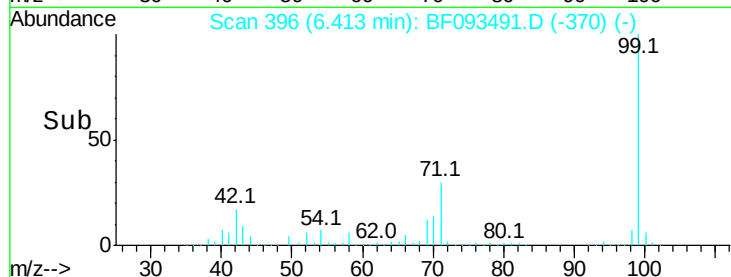
71 30.0 27.5 41.3



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: 5.63 ng

RT: 7.33 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Tgt Ion: 70 Resp: 193016

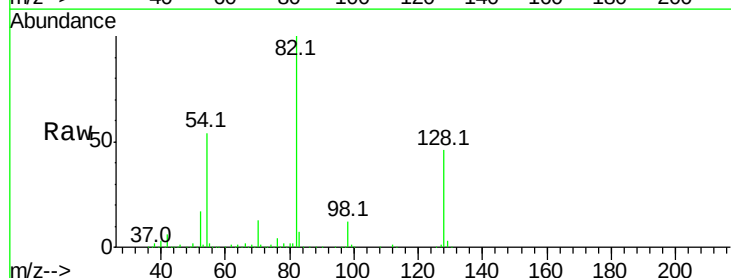
Ion Ratio Lower Upper

70 100

42 47.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

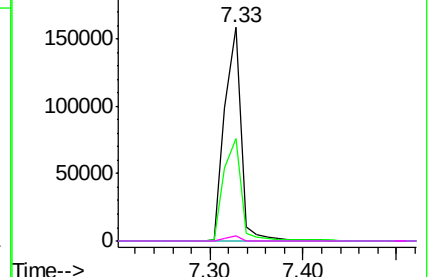
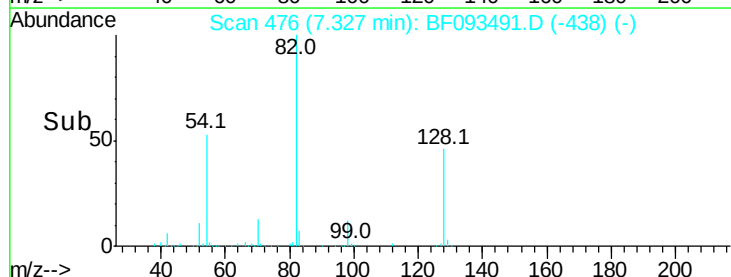


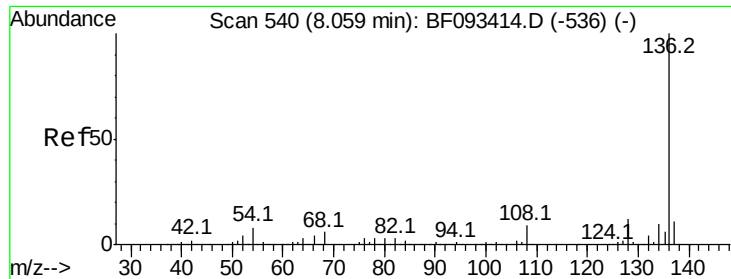
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

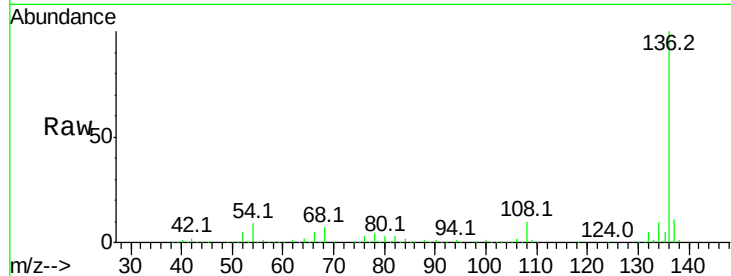




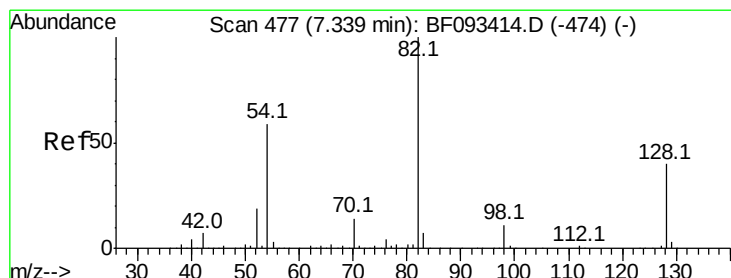
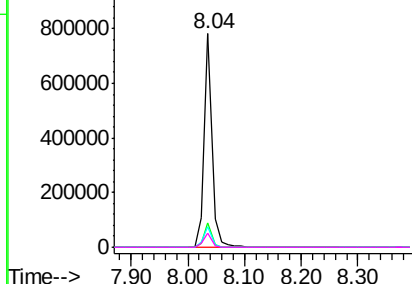
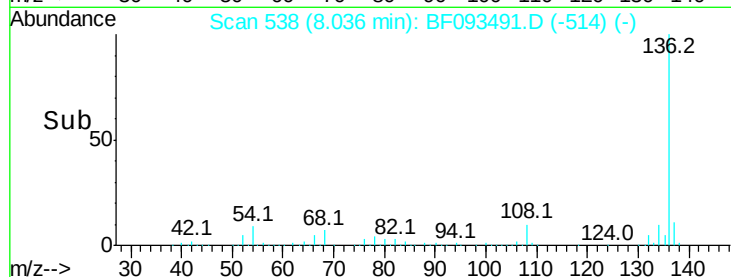
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 538  
Delta R.T. -0.02 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-TP-6-COMP-0-12FT

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 713568   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.4 12.6 |
| 54          | 9.5   | 4.5 6.7# |
| 68          | 6.8   | 3.6 5.4# |

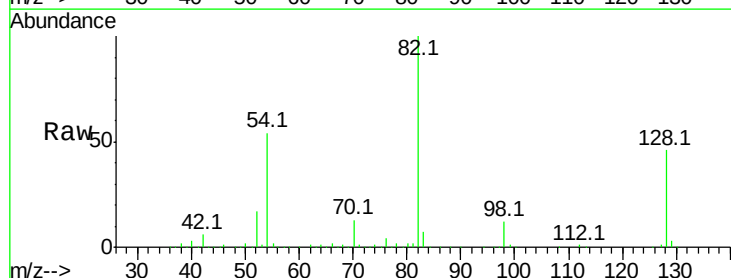


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

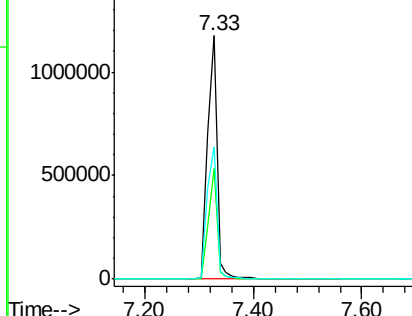
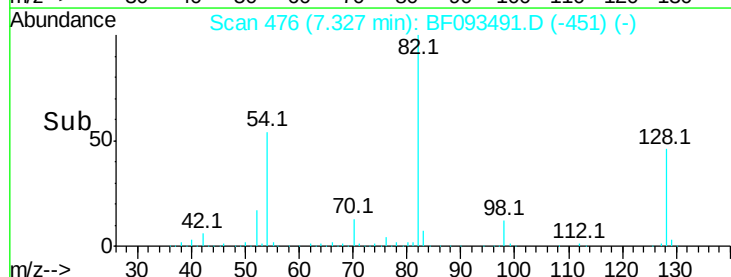


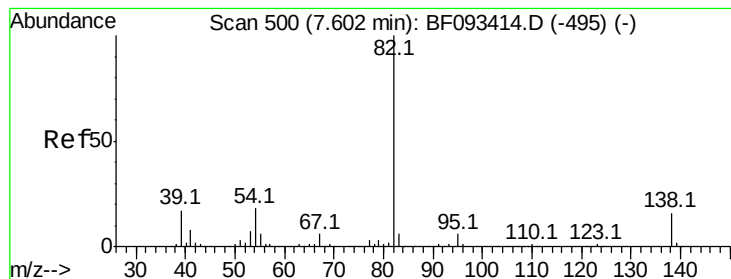
#23  
Nitrobenzene-d5  
Concen: 110.07 ng  
RT: 7.33 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1415624   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 45.6  | 34.6 52.0 |
| 54          | 54.2  | 39.5 59.3 |



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





#25

Isophorone

Concen: 54.23 ng

RT: 7.33 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Instrument :

BNA\_F

ClientSampleId :

TP-7-TP-6-COMP-0-12FT

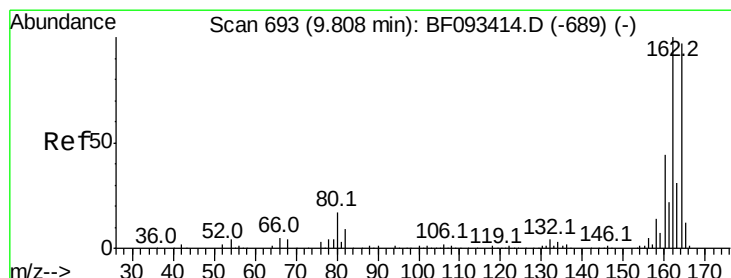
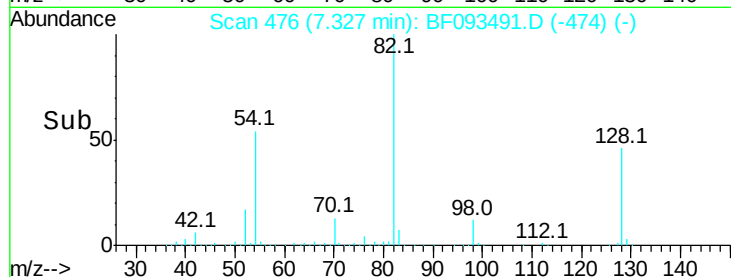
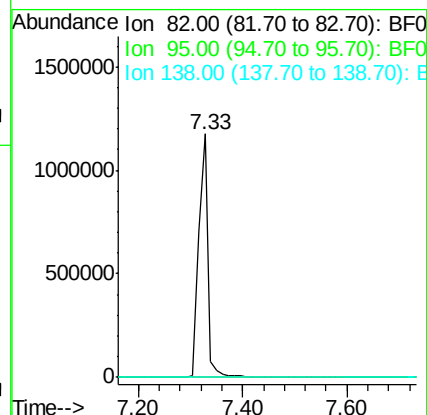
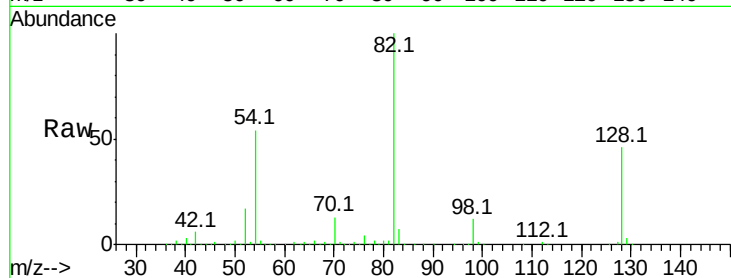
Tot Ion: 82 Resp: 1406369

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

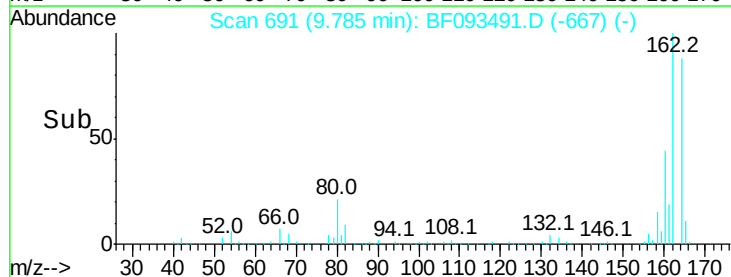
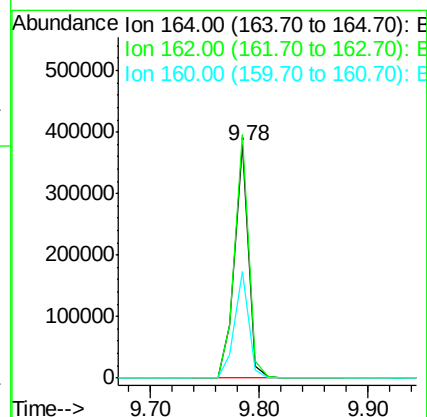
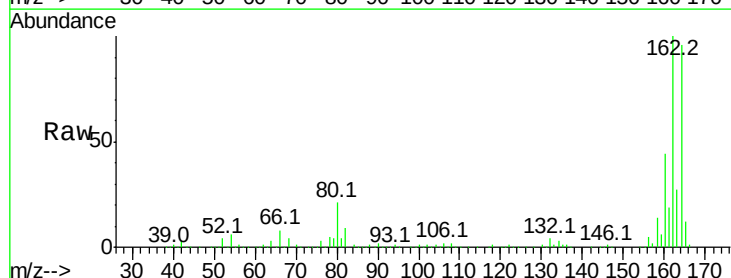
Tgt Ion: 164 Resp: 337217

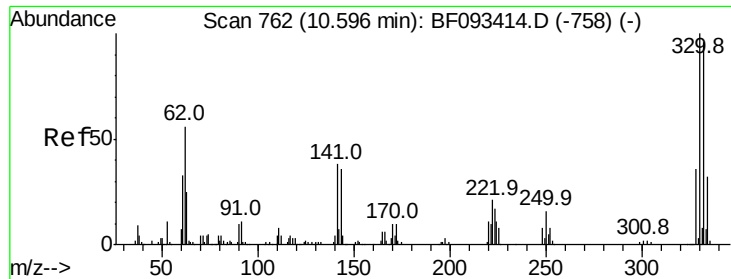
Ion Ratio Lower Upper

164 100

162 104.5 80.2 120.2

160 45.5 36.9 55.3

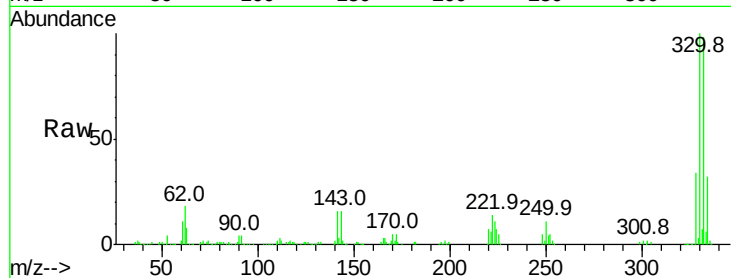




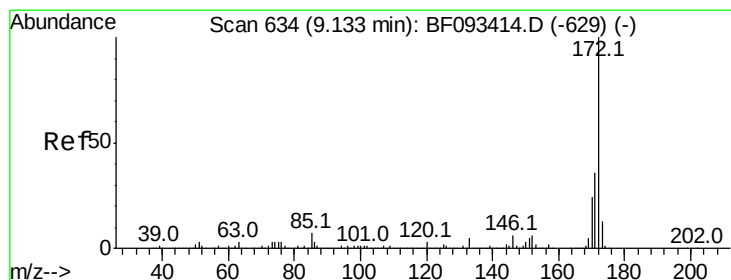
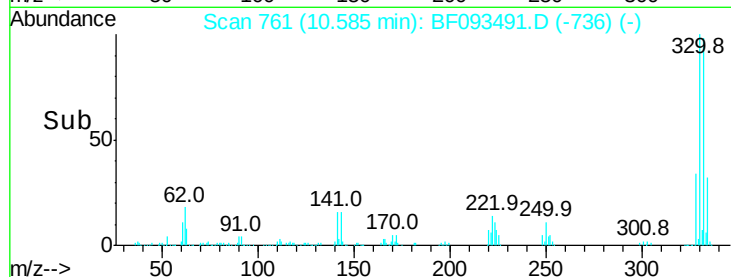
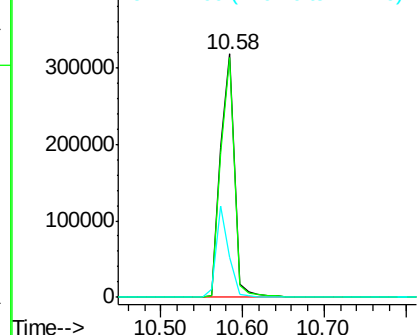
#41  
 2,4,6-Tribromophenol  
 Concen: 172.57 ng  
 RT: 10.58 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BF093491.D  
 Acq: 9 Mar 2017 22:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-TP-6-COMP-0-12FT

Tot Ion:330 Resp: 379140  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.4 116.2  
 141 34.9 34.1 51.1

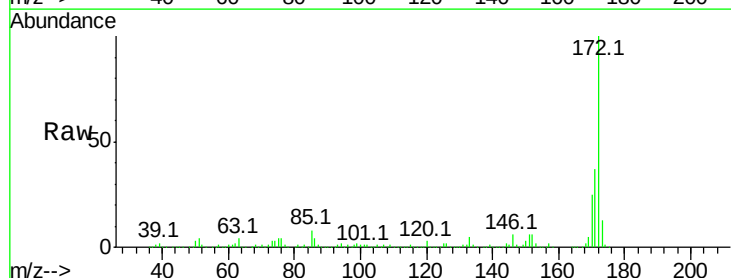


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

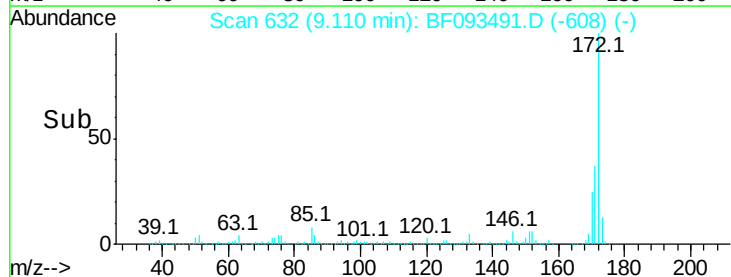
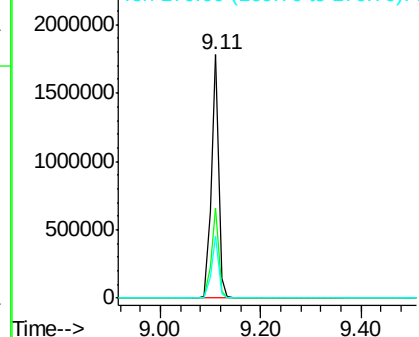


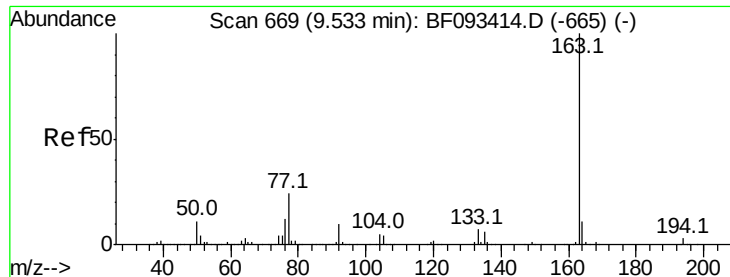
#44  
 2-Fluorobiphenyl  
 Concen: 98.65 ng  
 RT: 9.11 min Scan# 632  
 Delta R.T. -0.02 min  
 Lab File: BF093491.D  
 Acq: 9 Mar 2017 22:34

Tgt Ion:172 Resp: 1788454  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.4 44.0  
 170 25.2 20.2 30.4



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

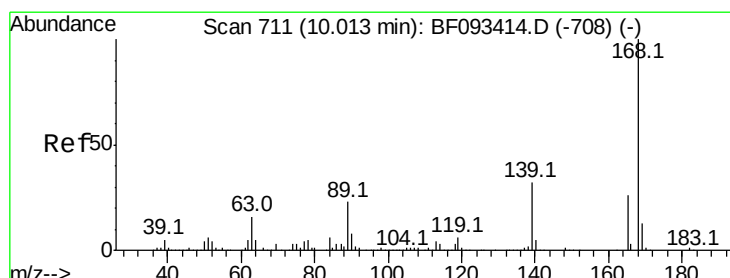
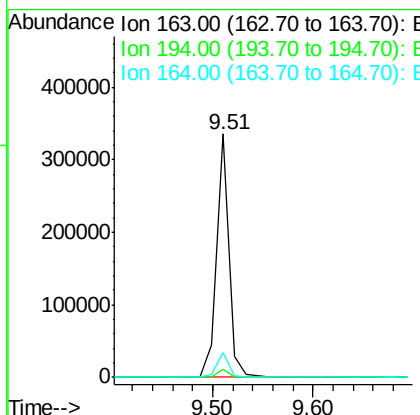
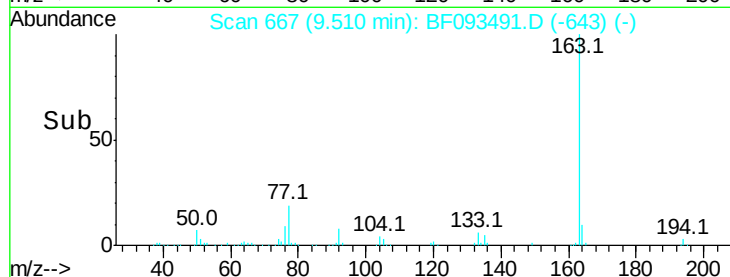
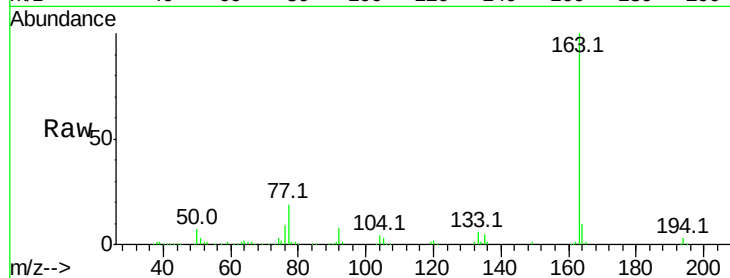




#49  
Dimethylphthalate  
Concen: 12.87 ng  
RT: 9.51 min Scan# 667  
Delta R.T. -0.02 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

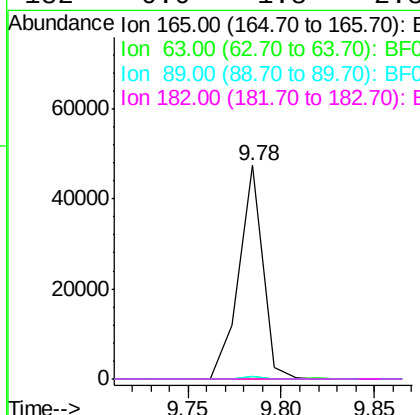
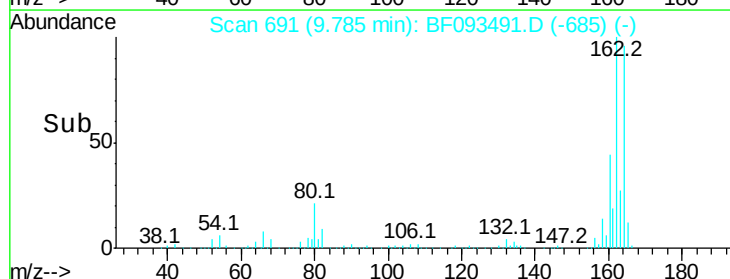
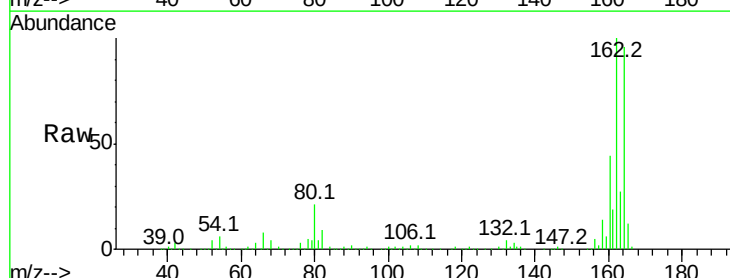
Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-TP-6-COMP-0-12FT

Tot Ion:163 Resp: 287771  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.0 4.4  
164 9.9 8.0 12.0

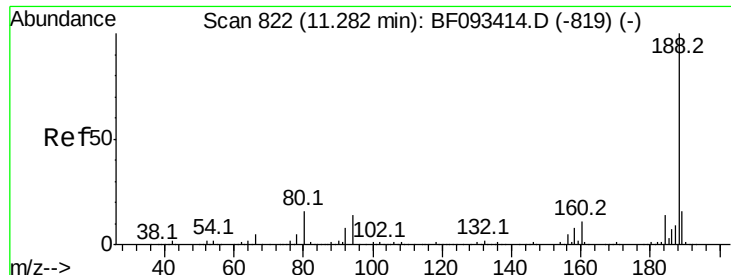


#56  
2,4-Dinitrotoluene  
Concen: 7.10 ng  
RT: 9.78 min Scan# 691  
Delta R.T. -0.23 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Tgt Ion:165 Resp: 42796  
Ion Ratio Lower Upper  
165 100  
63 1.2 40.2 60.4#  
89 1.3 62.5 93.7#  
182 0.0 1.8 2.8#



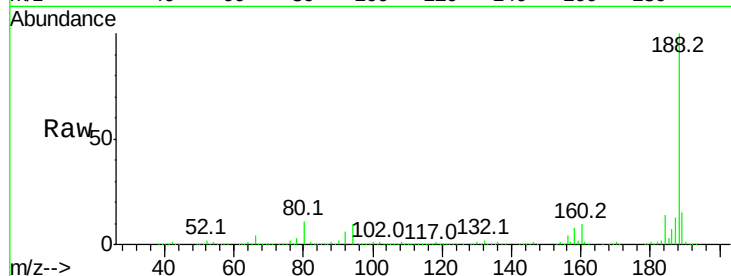




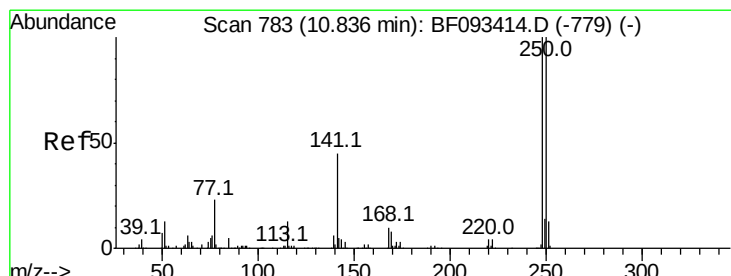
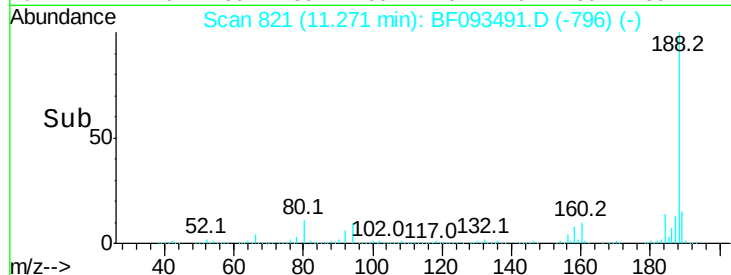
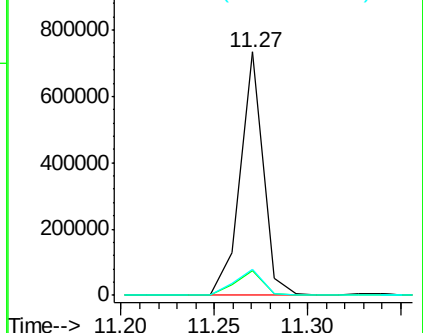
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.27 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-TP-6-COMP-0-12FT

Tot Ion:188 Resp: 634967  
Ion Ratio Lower Upper  
188 100  
94 10.3 10.0 15.0  
80 10.6 11.2 16.8#

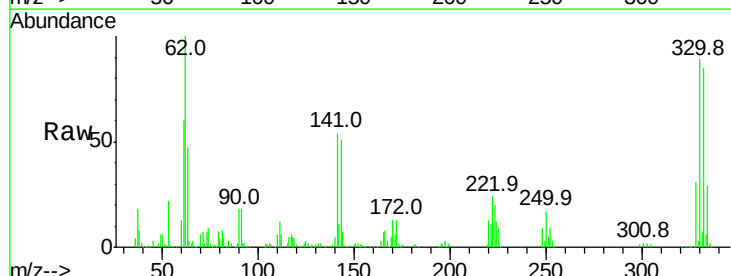


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

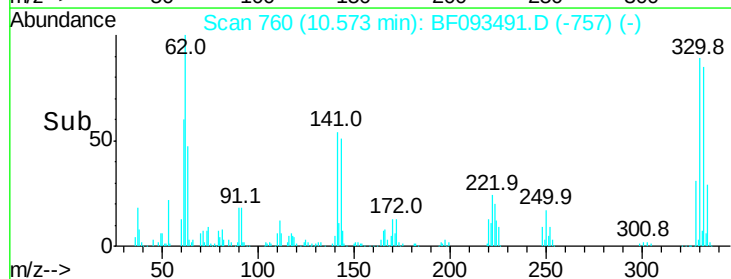
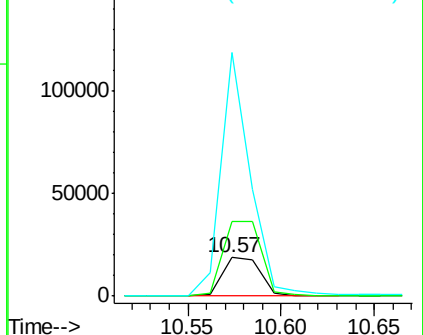


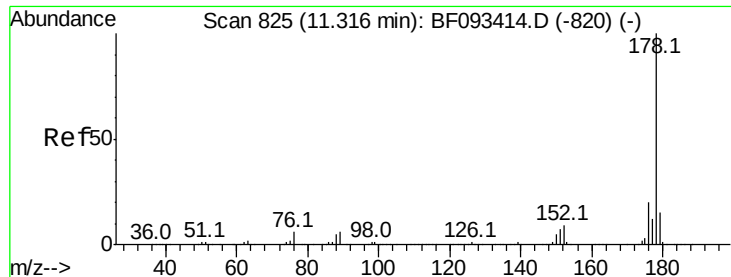
#66  
4-Bromophenyl-phenylether  
Concen: 3.97 ng  
RT: 10.57 min Scan# 760  
Delta R.T. -0.26 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Tgt Ion:248 Resp: 26665  
Ion Ratio Lower Upper  
248 100  
250 194.2 76.9 115.3#  
141 632.7 68.2 102.4#



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

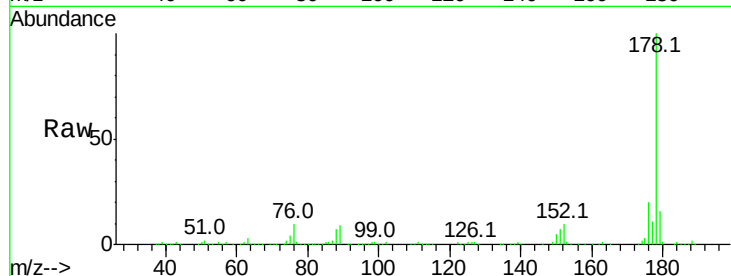




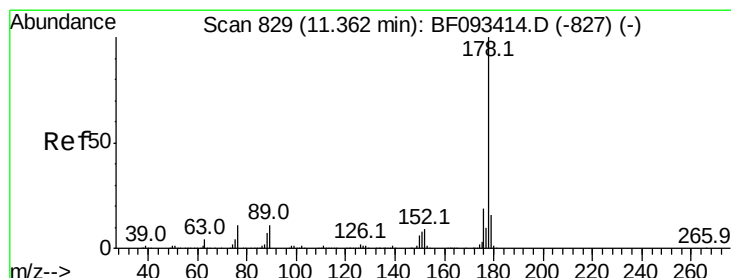
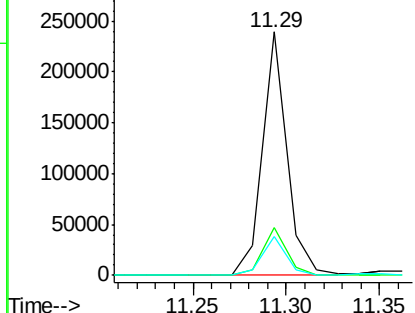
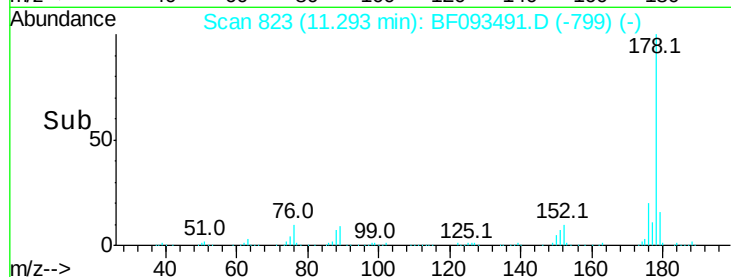
#70  
Phenanthrene  
Concen: 5.96 ng  
RT: 11.29 min Scan# 823  
Delta R.T. -0.02 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-TP-6-COMP-0-12FT

Tot Ion:178 Resp: 215882  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.6 25.0  
179 16.1 12.8 19.2

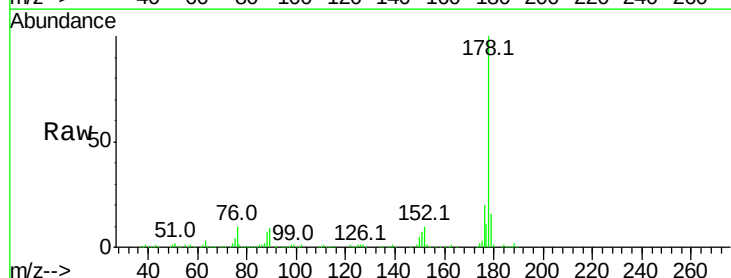


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

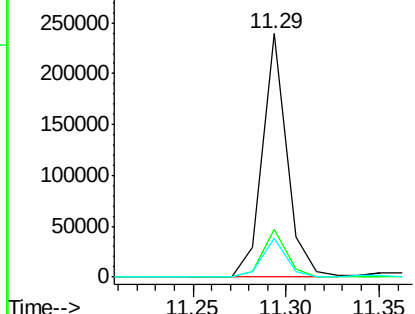
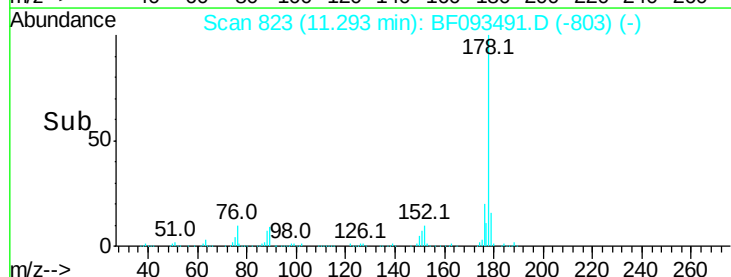


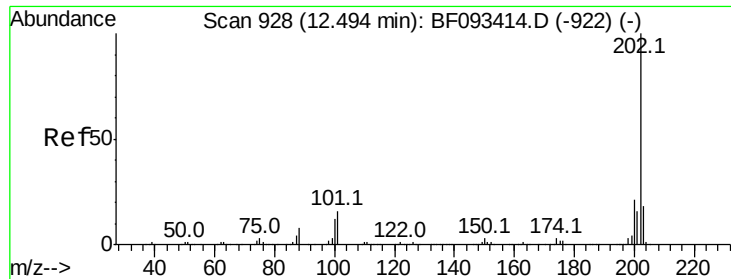
#71  
Anthracene  
Concen: 5.89 ng  
RT: 11.29 min Scan# 823  
Delta R.T. -0.07 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Tgt Ion:178 Resp: 215882  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.9 23.9  
179 16.1 13.2 19.8



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





#74

Fluoranthene

Concen: 7.61 ng

RT: 12.48 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Instrument :

BNA\_F

ClientSampleId :

TP-7-TP-6-COMP-0-12FT

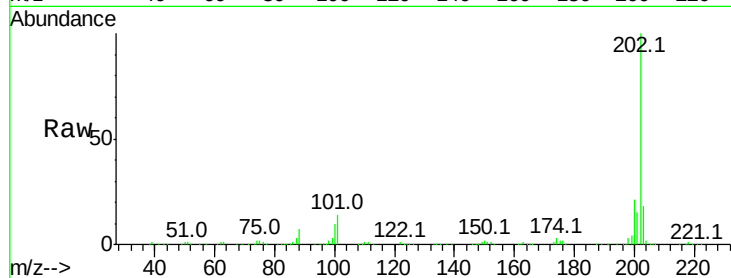
Tot Ion:202 Resp: 266339

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.6

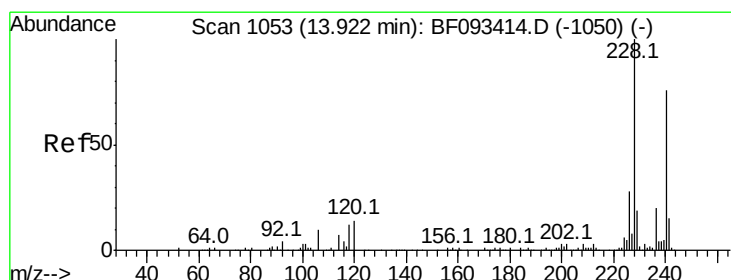
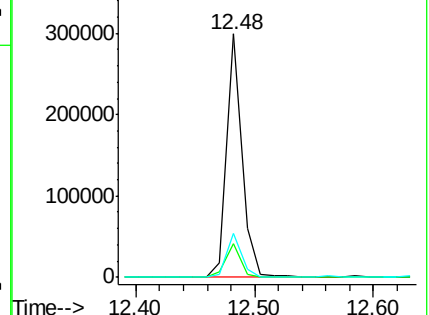
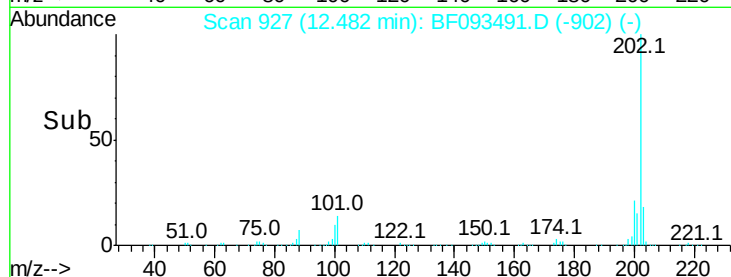
203 17.9 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

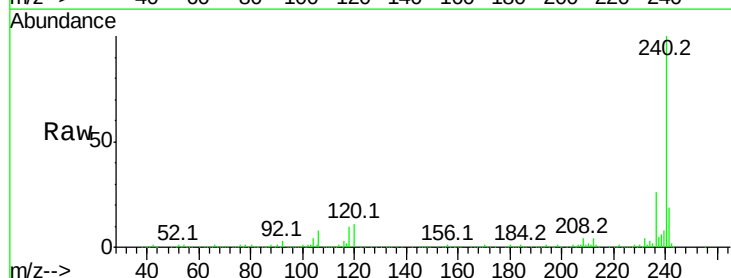
Tgt Ion:240 Resp: 561677

Ion Ratio Lower Upper

240 100

120 11.1 12.9 19.3#

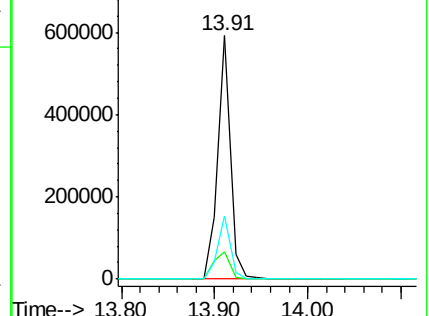
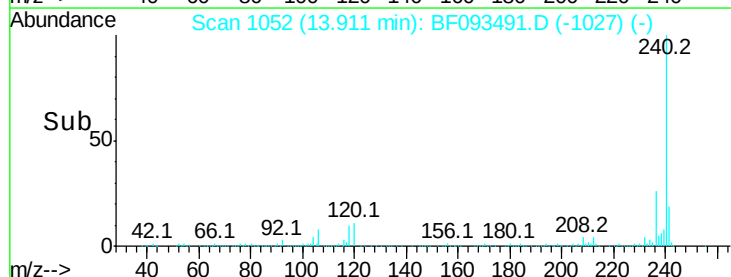
236 26.1 20.9 31.3

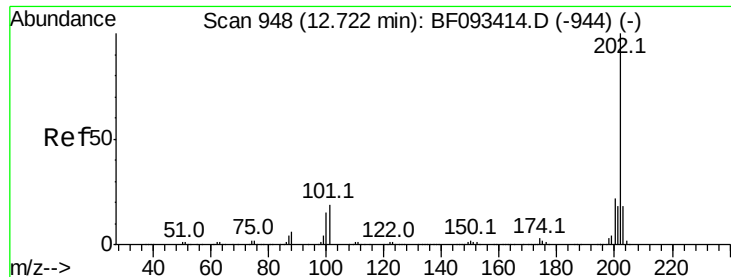


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.18 ng

RT: 12.71 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Instrument :

BNA\_F

ClientSampleId :

TP-7-TP-6-COMP-0-12FT

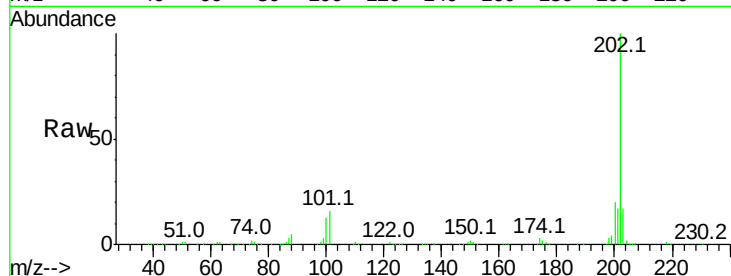
Tot Ion:202 Resp: 170631

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

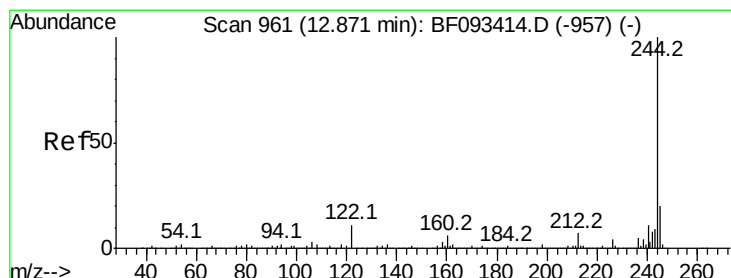
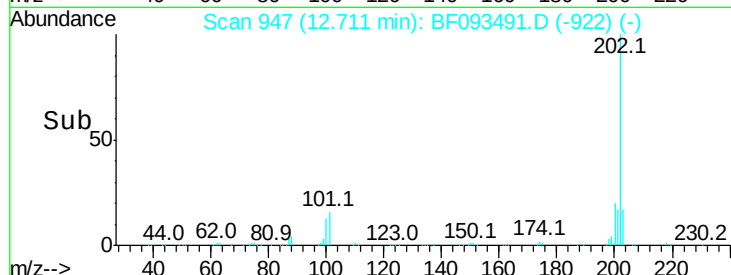
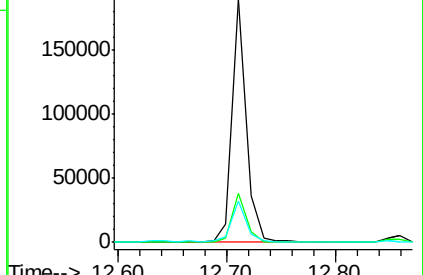
203 17.2 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.60 ng

RT: 12.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

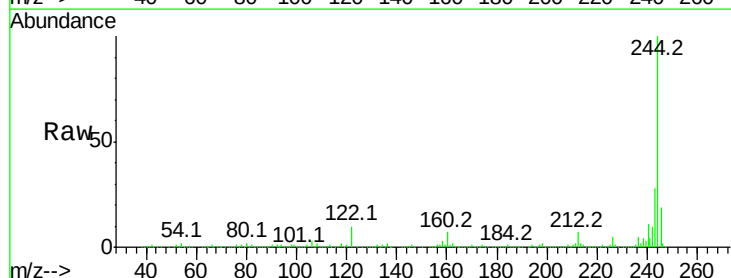
Tgt Ion:244 Resp: 1741167

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

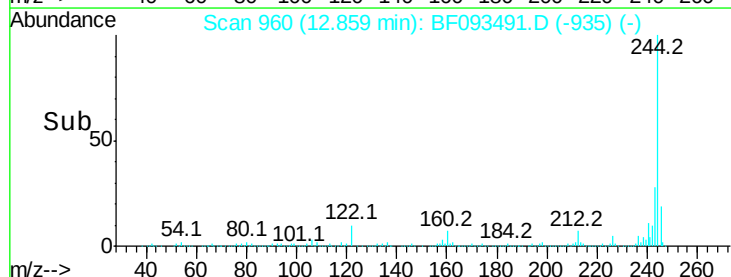
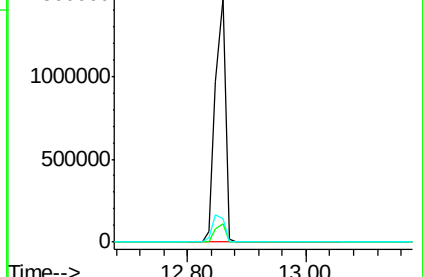
122 9.6 11.4 17.2#

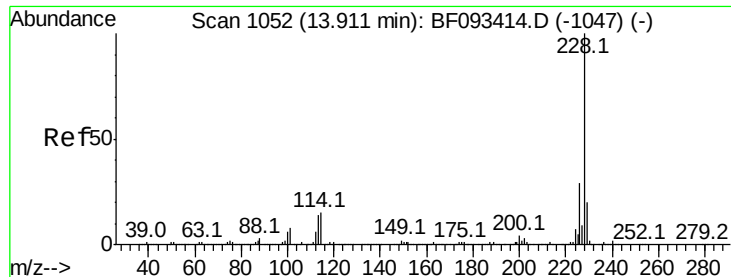


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.12 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.02 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

Instrument :

BNA\_F

ClientSampleId :

TP-7-TP-6-COMP-0-12FT

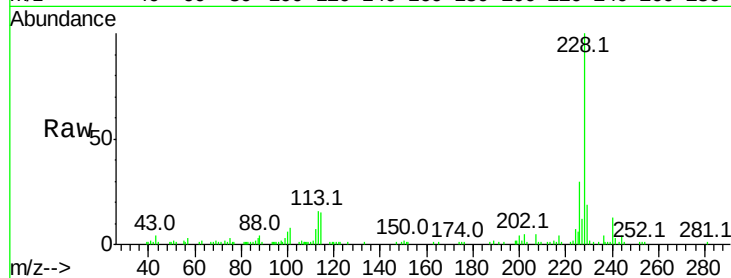
Tot Ion:228 Resp: 70335

Ion Ratio Lower Upper

228 100

226 30.4 22.4 33.6

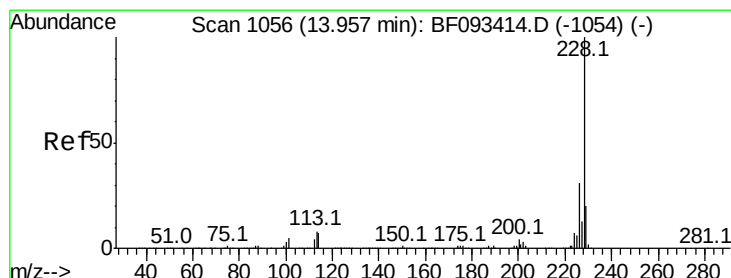
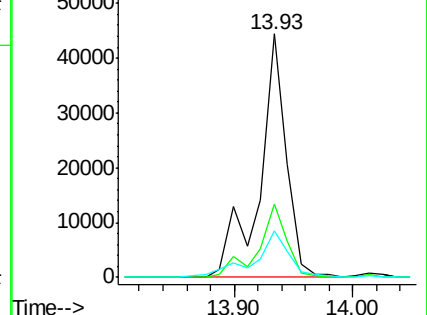
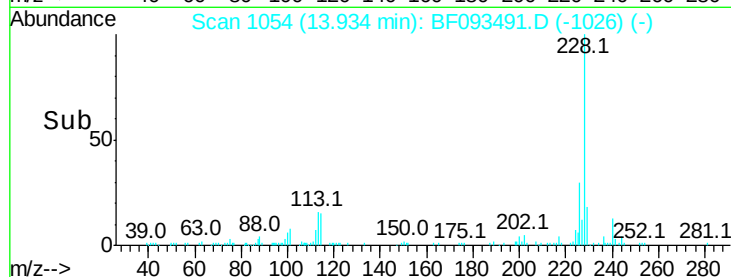
229 19.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.29 ng

RT: 13.93 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF093491.D

Acq: 9 Mar 2017 22:34

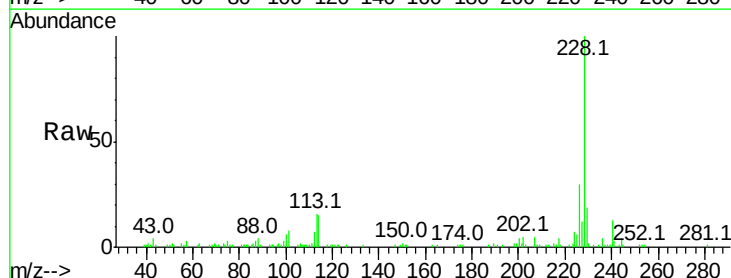
Tgt Ion:228 Resp: 70335

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

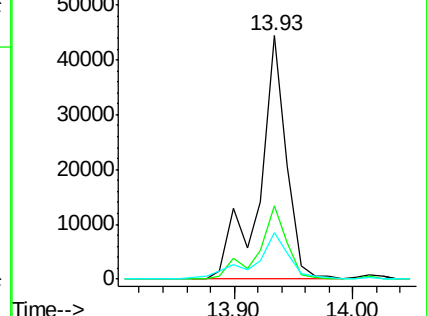
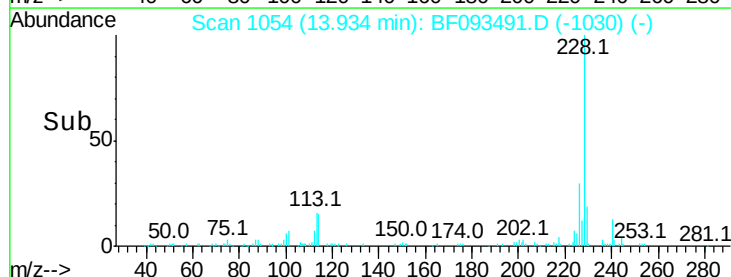
229 19.2 16.2 24.2

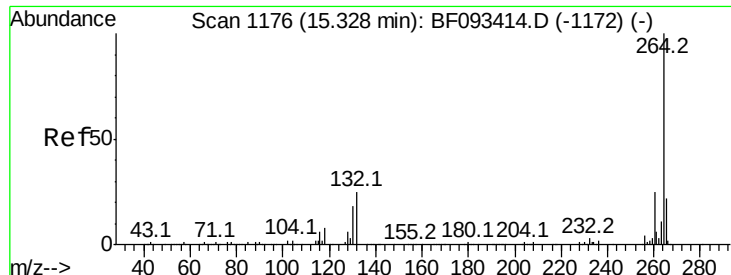


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.32 min Scan# 1175  
Delta R.T. -0.01 min  
Lab File: BF093491.D  
Acq: 9 Mar 2017 22:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-TP-6-COMP-0-12FT

Tot Ion: 264 Resp: 417001  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.2 28.8  
265 21.4 17.4 26.0

