

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\  
 Data File : BF094229.D  
 Acq On : 6 Apr 2017 15:40  
 Operator : SJ/MA  
 Sample : I2537-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

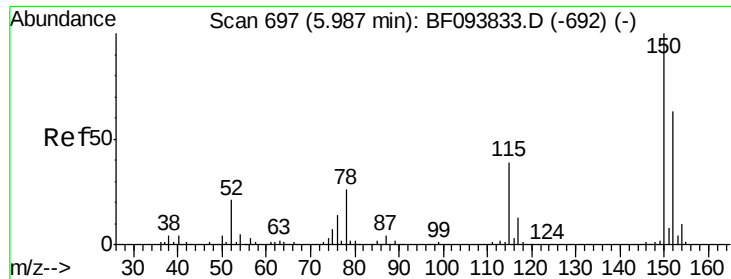
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B4-(0-5)

Quant Time: Apr 06 16:15:56 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4     | 5.851  | 152  | 159643   | 20.00  | ng    | -0.05     |
| 21) Naphthalene-d8            | 7.351  | 136  | 654362   | 20.00  | ng    | -0.06     |
| 38) Acenaphthene-d10          | 9.492  | 164  | 299782   | 20.00  | ng    | -0.06     |
| 63) Phenanthrene-d10          | 11.316 | 188  | 532603   | 20.00  | ng    | -0.06     |
| 75) Chrysene-d12              | 14.563 | 240  | 392345   | 20.00  | ng    | -0.06     |
| 86) Perylene-d12              | 16.186 | 264  | 271902   | 20.00  | ng    | -0.06     |
| System Monitoring Compounds   |        |      |          |        |       |           |
| 5) 2-Fluorophenol             | 4.381  | 112  | 903984   | 95.64  | ng    | -0.05     |
| 7) Phenol-d6                  | 5.457  | 99   | 1180462  | 100.96 | ng    | -0.05     |
| 23) Nitrobenzene-d5           | 6.498  | 82   | 711084   | 62.02  | ng    | -0.06     |
| 41) 2,4,6-Tribromophenol      | 10.463 | 330  | 251910   | 106.34 | ng    | -0.06     |
| 44) 2-Fluorobiphenyl          | 8.675  | 172  | 1176360  | 59.85  | ng    | -0.06     |
| 78) Terphenyl-d14             | 13.292 | 244  | 948550   | 54.19  | ng    | -0.06     |
| Target Compounds              |        |      |          |        |       |           |
| 10) Phenol                    | 5.469  | 94   | 88186    | 6.63   | ng    | Qvalue 85 |
| 19) n-Nitroso-di-n-propyla... | 6.498  | 70   | 93968    | 12.50  | ng    | # 78      |
| 49) Dimethylphthalate         | 9.175  | 163  | 156185   | 7.33   | ng    | 99        |
| 56) 2,4-Dinitrotoluene        | 9.492  | 165  | 39033    | 6.36   | ng    | # 33      |

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

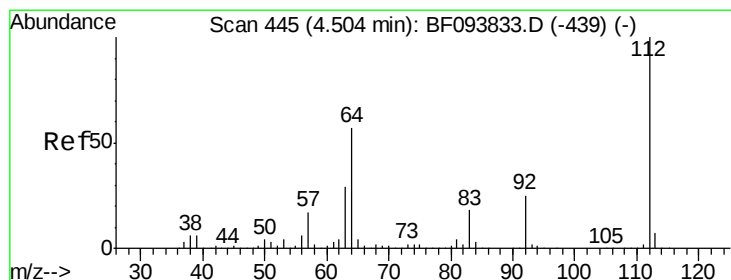
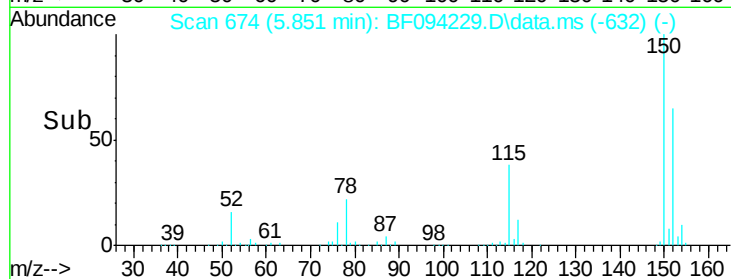
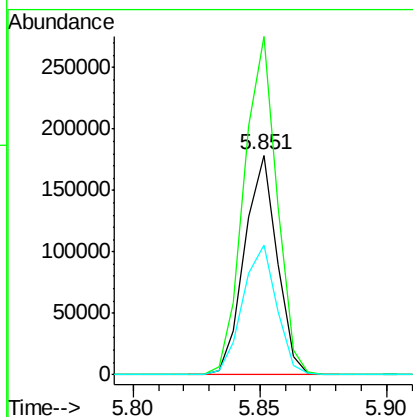
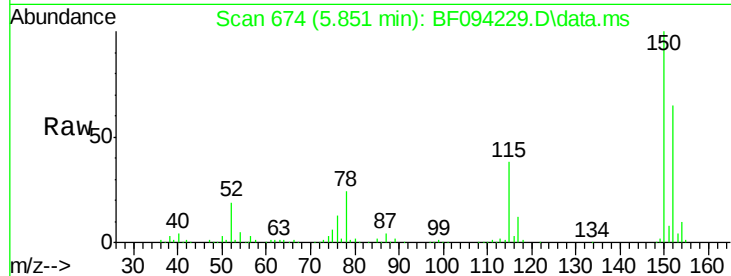




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.851 min Scan# 67  
 Delta R.T. -0.053 min  
 Lab File: BF094229.D  
 Acq: 6 Apr 2017 15:40

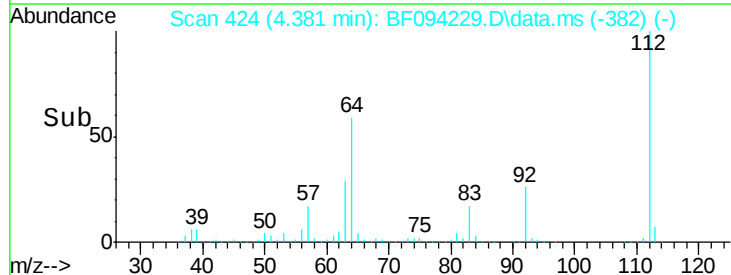
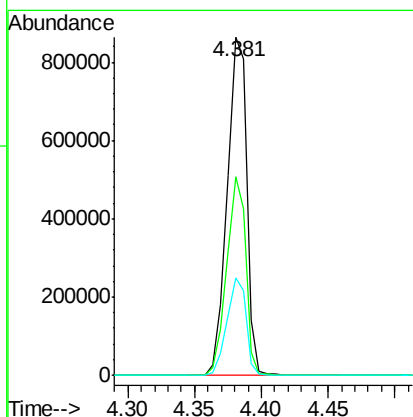
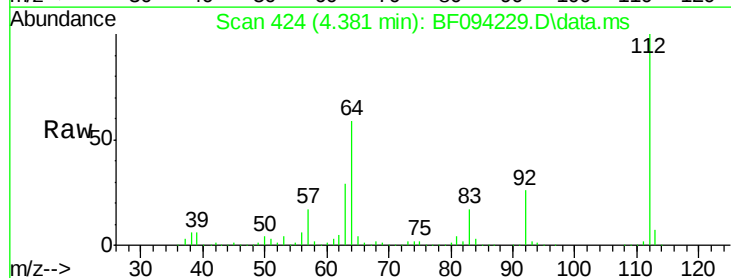
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 ClientSampleId :  
 B4-(0-5)

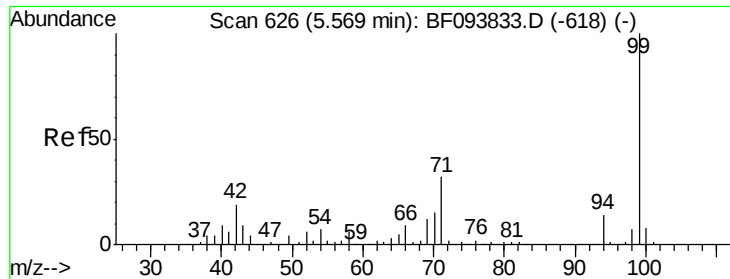
Tot Ion:152 Resp: 159643  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 126.2 189.2  
 115 58.9 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 95.64 ng  
 RT: 4.381 min Scan# 424  
 Delta R.T. -0.053 min  
 Lab File: BF094229.D  
 Acq: 6 Apr 2017 15:40

Tgt Ion:112 Resp: 903984  
 Ion Ratio Lower Upper  
 112 100  
 64 58.6 46.0 69.0  
 63 28.8 23.4 35.0





#7

Phenol-d6

Concen: 100.96 ng

RT: 5.457 min Scan# 60

Delta R.T. -0.053 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

B4-(0-5)

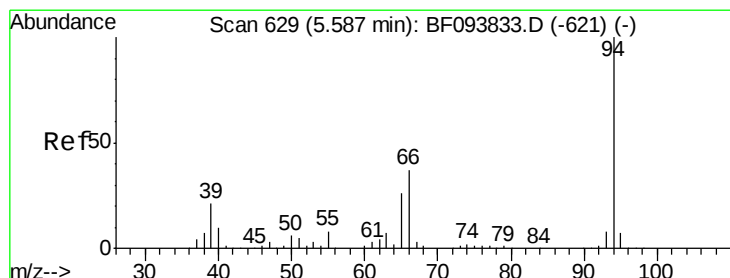
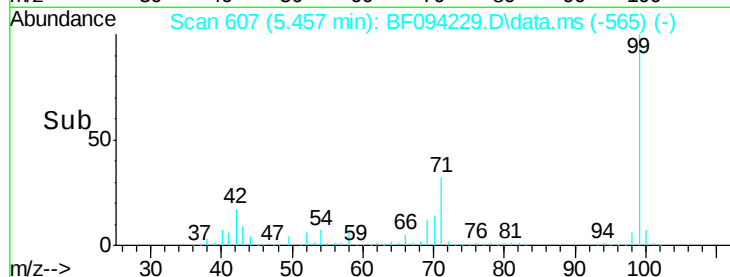
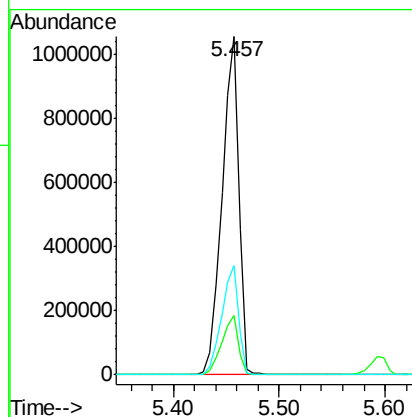
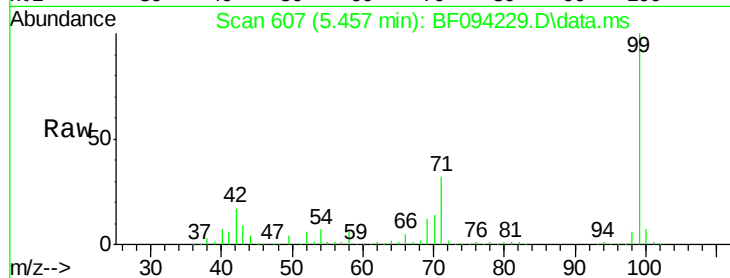
Tot Ion: 99 Resp: 1180462

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 32.2 24.5 36.7



#10

Phenol

Concen: 6.63 ng

RT: 5.469 min Scan# 609

Delta R.T. -0.059 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

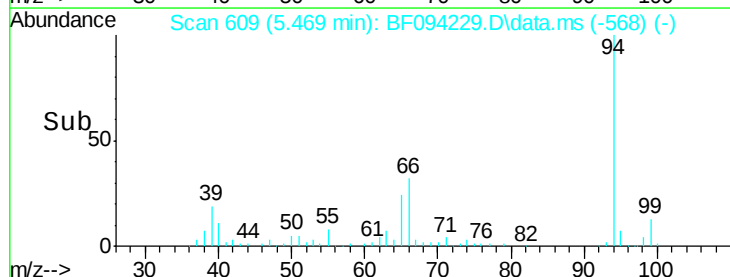
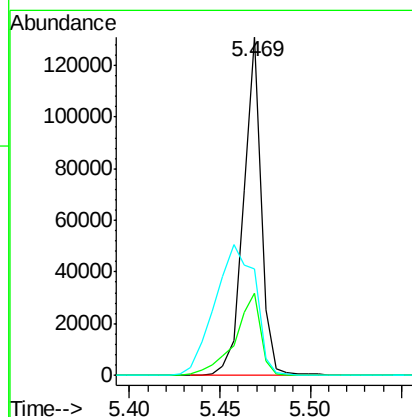
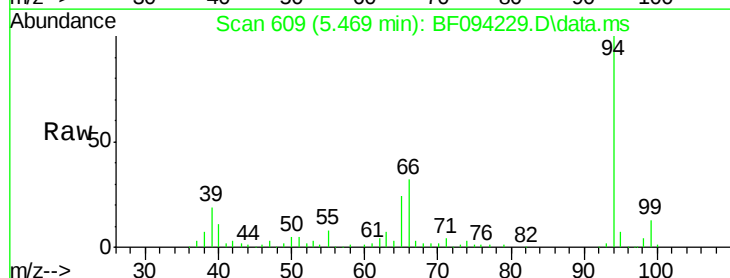
Tgt Ion: 94 Resp: 88186

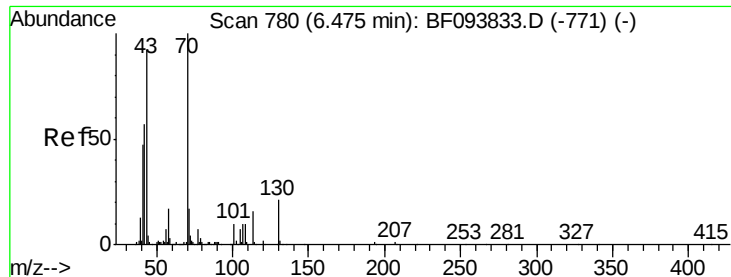
Ion Ratio Lower Upper

94 100

65 24.2 9.9 49.9

66 31.6 23.1 63.1

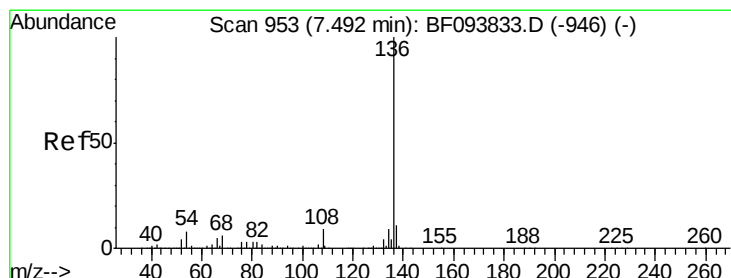
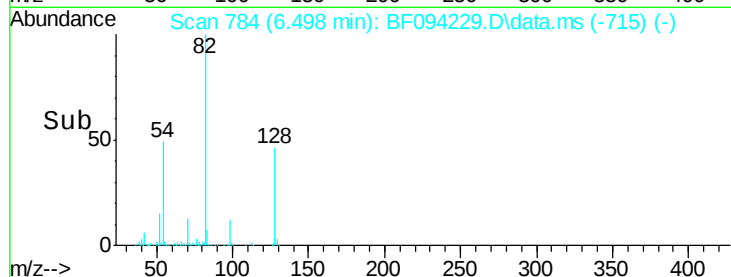
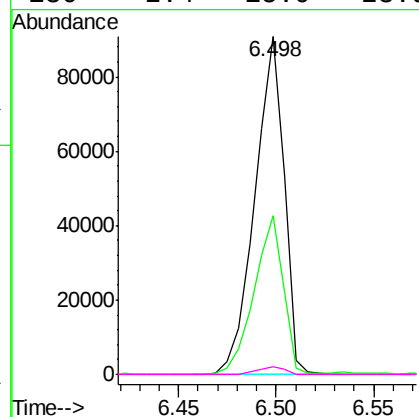
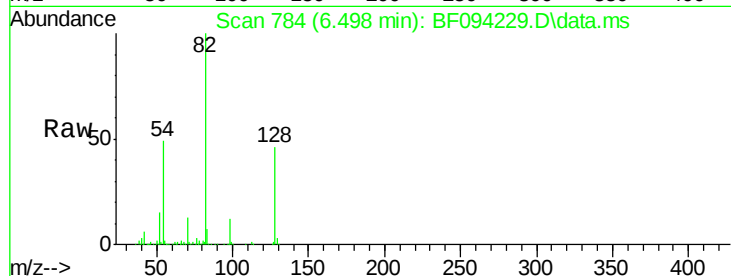




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.50 ng  
RT: 6.498 min Scan# 780  
Delta R.T. 0.106 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

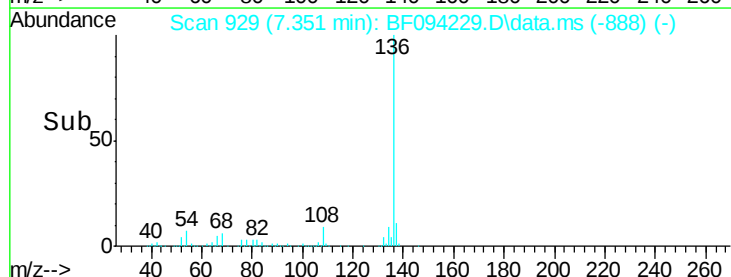
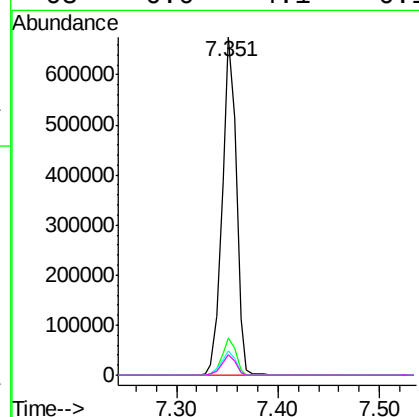
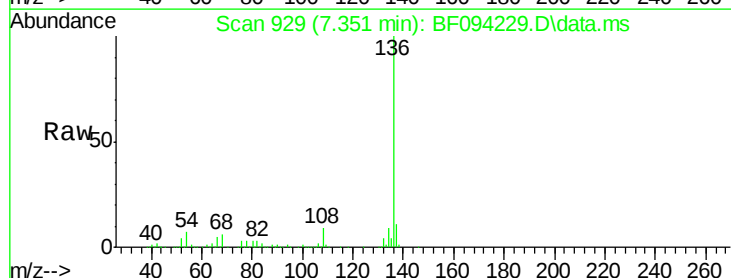
Instrument :  
BNA\_F  
ClientSampleId :  
B4-(0-5)

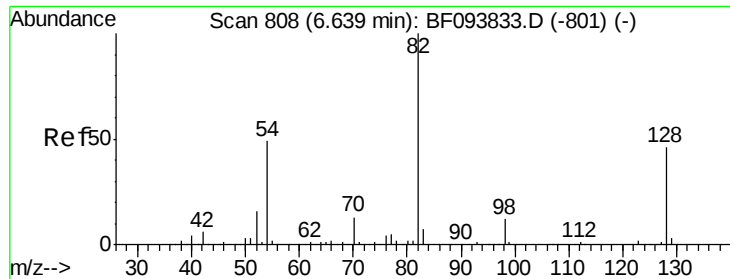
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 93968 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 47.0  | 47.2  | 70.8# |
| 101      | 0.0   | 7.2   | 10.8# |
| 130      | 2.4   | 15.9  | 23.9# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.351 min Scan# 929  
Delta R.T. -0.059 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 654362 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.5   | 12.7   |
| 54       | 7.4   | 4.9   | 7.3#   |
| 68       | 6.0   | 4.1   | 6.1    |

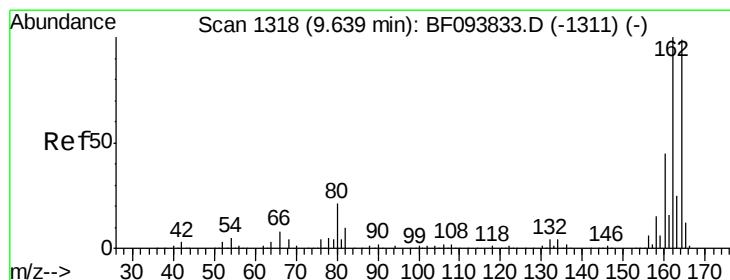
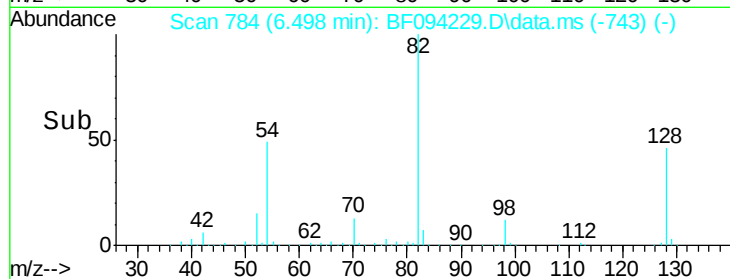
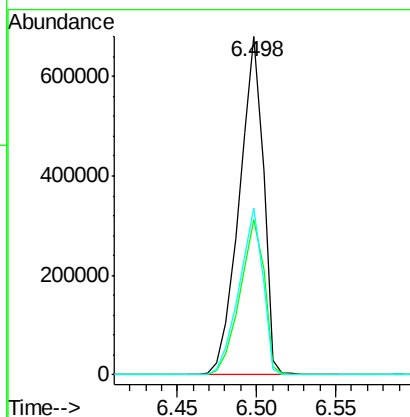
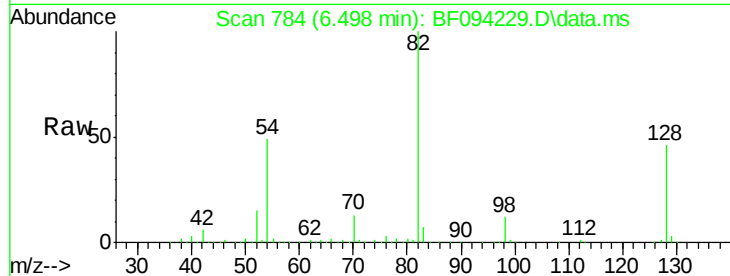




#23  
 Nitrobenzene-d5  
 Concen: 62.02 ng  
 RT: 6.498 min Scan# 78  
 Delta R.T. -0.059 min  
 Lab File: BF094229.D  
 Acq: 6 Apr 2017 15:40

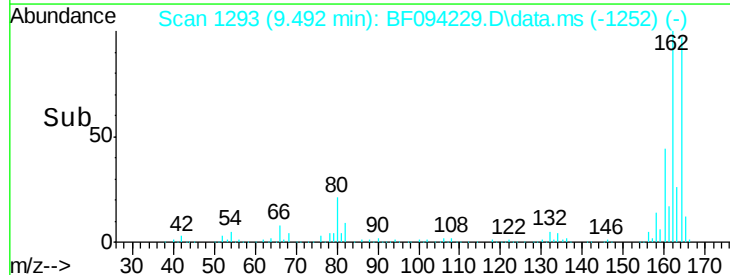
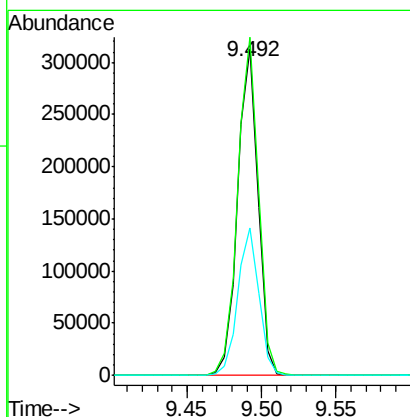
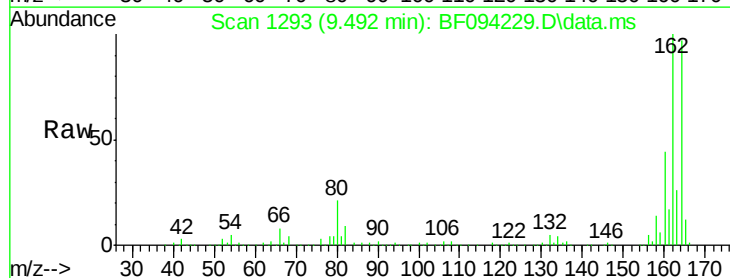
Instrument :  
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 ClientSampleId :  
 B4-(0-5)

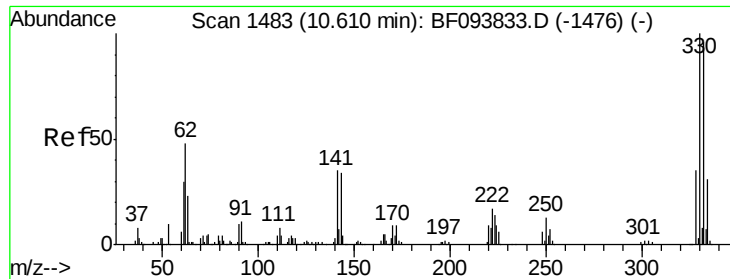
Tot Ion: 82 Resp: 711084  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 34.0 51.0  
 54 49.3 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.492 min Scan# 1293  
 Delta R.T. -0.059 min  
 Lab File: BF094229.D  
 Acq: 6 Apr 2017 15:40

Tgt Ion: 164 Resp: 299782  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 82.6 123.8  
 160 45.3 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 106.34 ng

RT: 10.463 min Scan# 14

Delta R.T. -0.059 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

B4-(0-5)

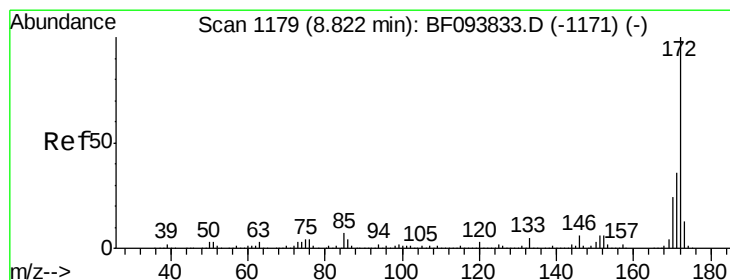
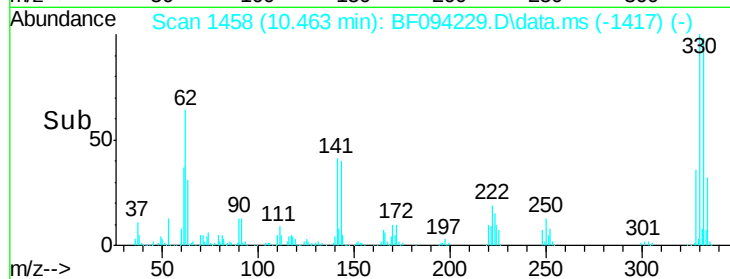
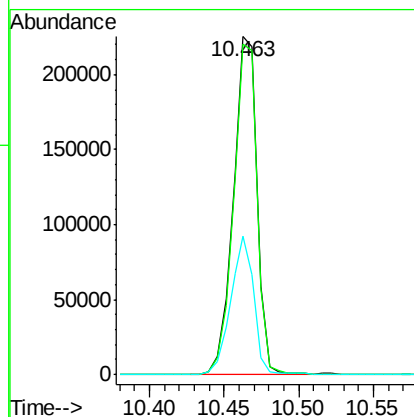
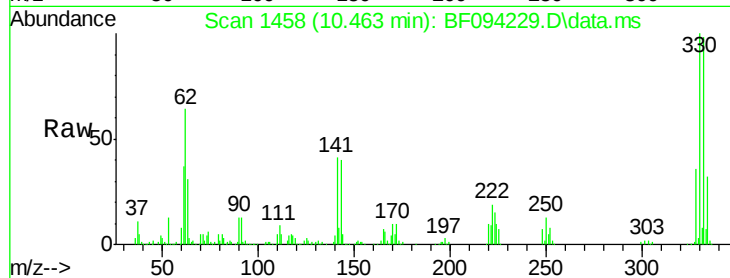
Tot Ion:330 Resp: 251910

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

141 39.9 31.4 47.2



#44

2-Fluorobiphenyl

Concen: 59.85 ng

RT: 8.675 min Scan# 1154

Delta R.T. -0.059 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

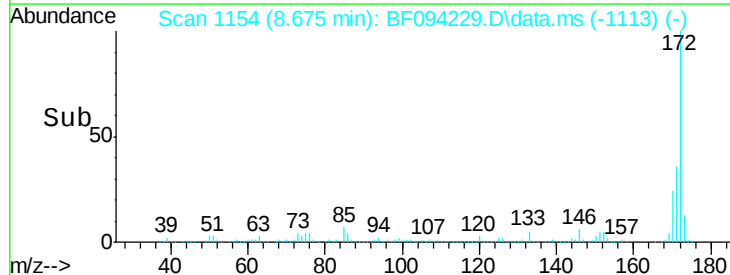
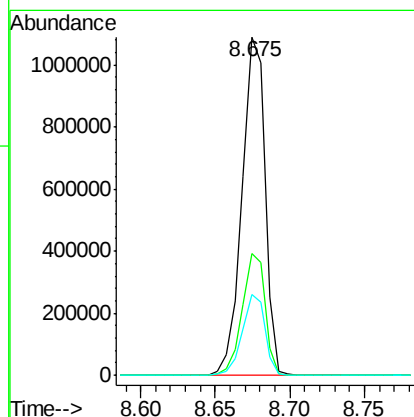
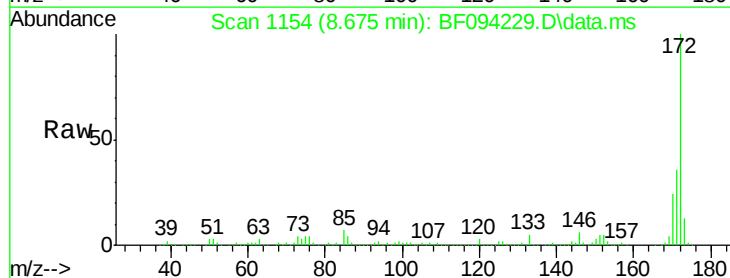
Tgt Ion:172 Resp: 1176360

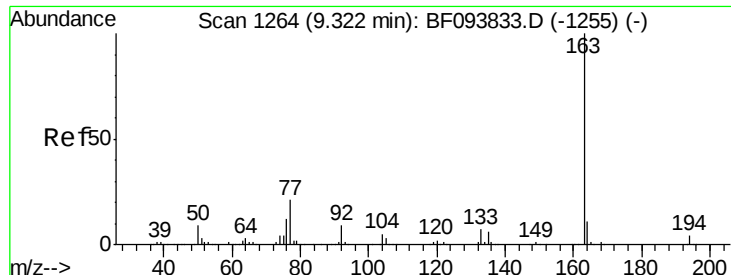
Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

170 23.8 19.8 29.8

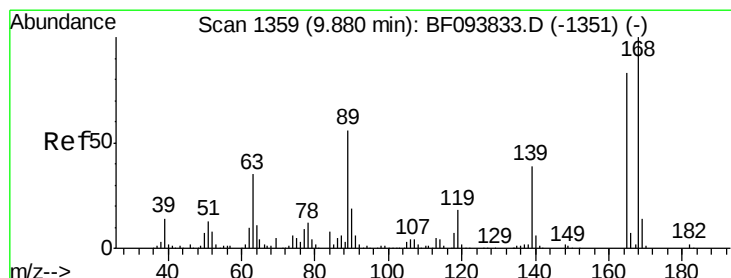
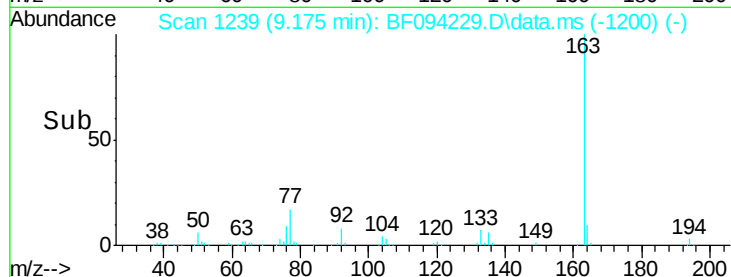
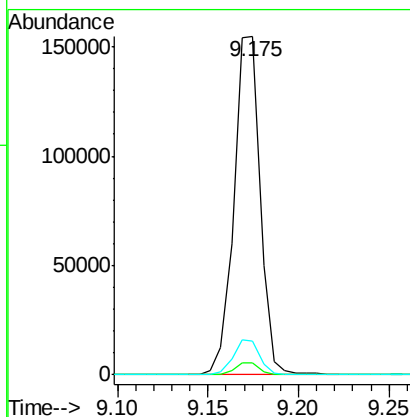
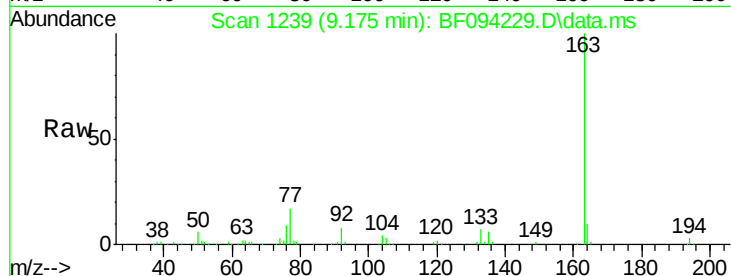




#49  
Dimethylphthalate  
Concen: 7.33 ng  
RT: 9.175 min Scan# 1264  
Delta R.T. -0.071 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

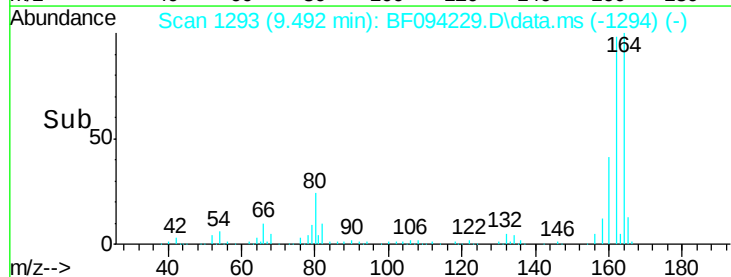
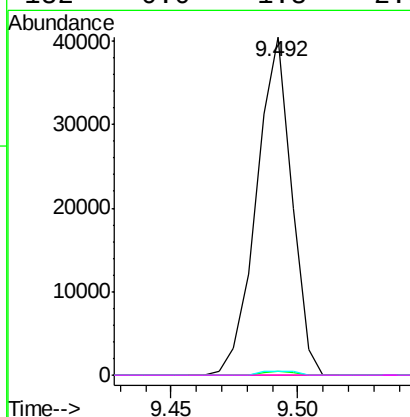
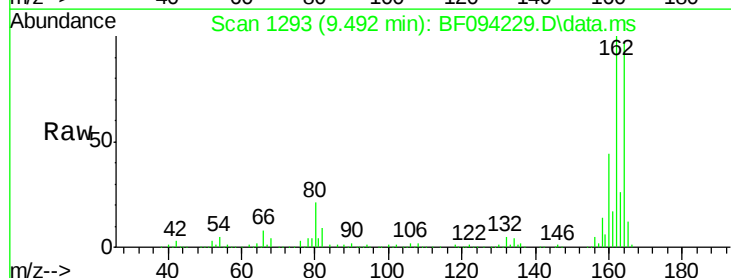
Instrument :  
BNA\_F  
ClientSampleId :  
B4-(0-5)

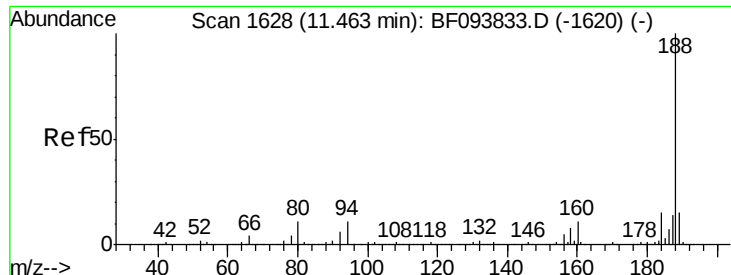
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 156185 |       |       |
| 194     | 3.4   |        | 2.6   | 4.0   |
| 164     | 9.8   |        | 8.4   | 12.6  |



#56  
2,4-Dinitrotoluene  
Concen: 6.36 ng  
RT: 9.492 min Scan# 1293  
Delta R.T. -0.306 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 39033 |       |       |
| 63      | 1.2   |       | 25.4  | 38.0# |
| 89      | 1.1   |       | 46.4  | 69.6# |
| 182     | 0.0   |       | 1.8   | 2.6#  |

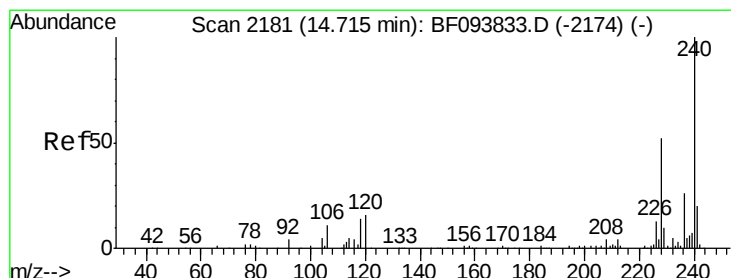
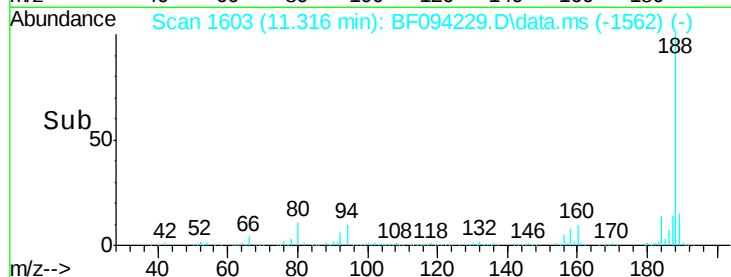
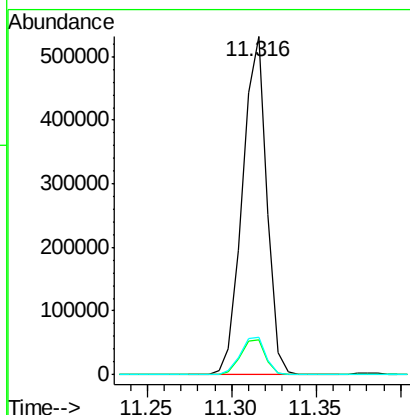
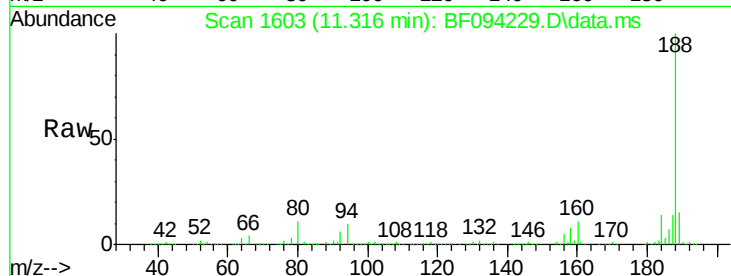




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.316 min Scan# 161  
Delta R.T. -0.059 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

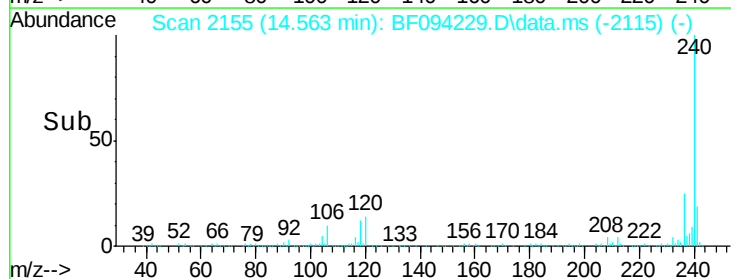
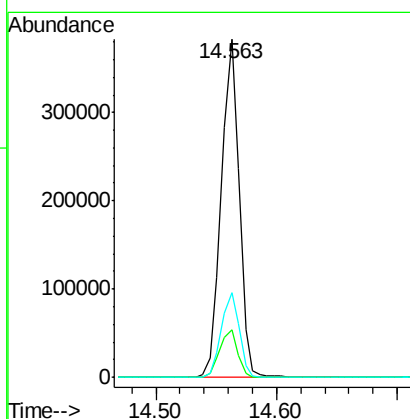
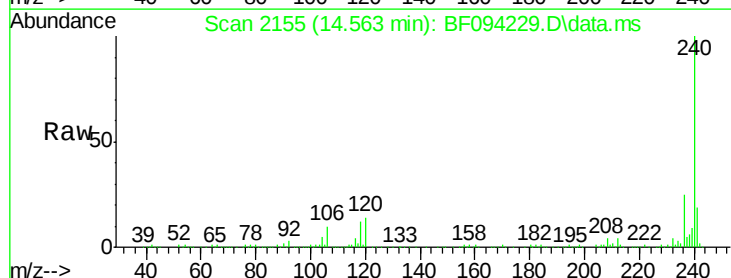
Instrument :  
BNA\_F  
ClientSampleId :  
B4-(0-5)

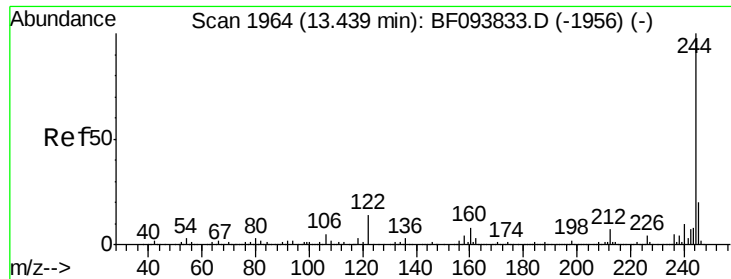
Tot Ion:188 Resp: 532603  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.4 14.2  
80 11.1 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.563 min Scan# 2155  
Delta R.T. -0.065 min  
Lab File: BF094229.D  
Acq: 6 Apr 2017 15:40

Tgt Ion:240 Resp: 392345  
Ion Ratio Lower Upper  
240 100  
120 14.2 5.8 8.8#  
236 25.0 20.5 30.7





#78

Terphenyl-d14

Concen: 54.19 ng

RT: 13.292 min Scan# 19

Delta R.T. -0.059 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

B4-(0-5)

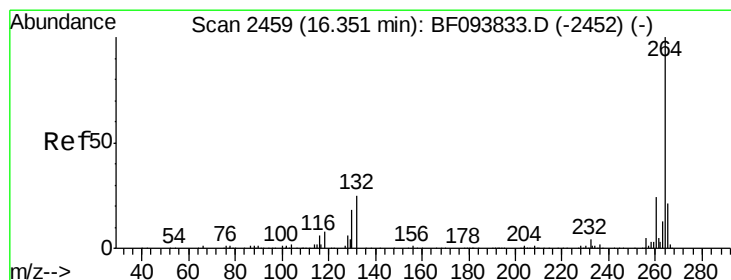
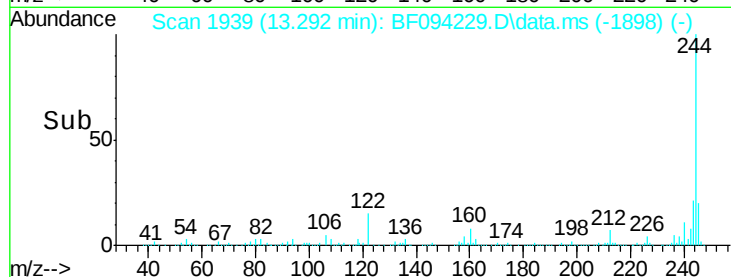
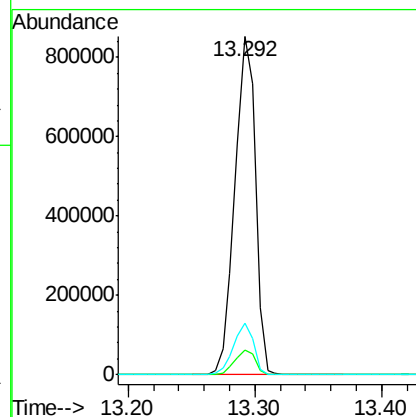
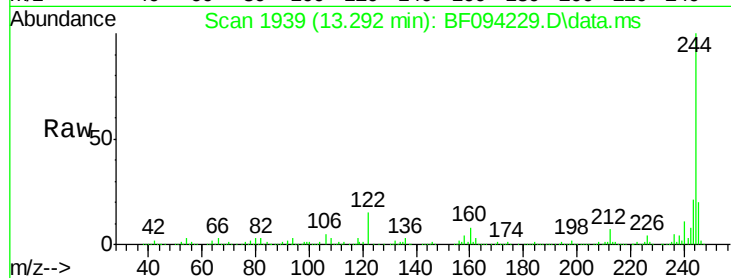
Tot Ion:244 Resp: 948550

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 15.3 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.186 min Scan# 2431

Delta R.T. -0.065 min

Lab File: BF094229.D

Acq: 6 Apr 2017 15:40

Tgt Ion:264 Resp: 271902

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

265 21.4 17.2 25.8

