

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\  
 Data File : BF095492.D  
 Acq On : 27 May 2017 9:15  
 Operator : SJ/MA  
 Sample : I3239-01 1000X  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATER-A

Quant Time: May 28 23:54:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 16:50:16 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 68669    | 20.00 | ng    | 0.02     |
| 21) Naphthalene-d8        | 9.78  | 136  | 232609   | 20.00 | ng    | 0.02     |
| 38) Acenaphthene-d10      | 12.61 | 164  | 106510   | 20.00 | ng    | 0.02     |
| 63) Phenanthrene-d10      | 15.02 | 188  | 167619   | 20.00 | ng    | 0.02     |
| 75) Chrysene-d12          | 18.68 | 240  | 156617   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.37 | 264  | 117376   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |      |     |   |      |    |
|--------------------------|------|-----|---|------|----|
| 5) 2-Fluorophenol        | 0.00 | 112 | 0 | 0.00 | ng |
| 7) Phenol-d6             | 0.00 | 99  | 0 | 0.00 | ng |
| 23) Nitrobenzene-d5      | 0.00 | 82  | 0 | 0.00 | ng |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng |
| 44) 2-Fluorobiphenyl     | 0.00 | 172 | 0 | 0.00 | ng |
| 78) Terphenyl-d14        | 0.00 | 244 | 0 | 0.00 | ng |

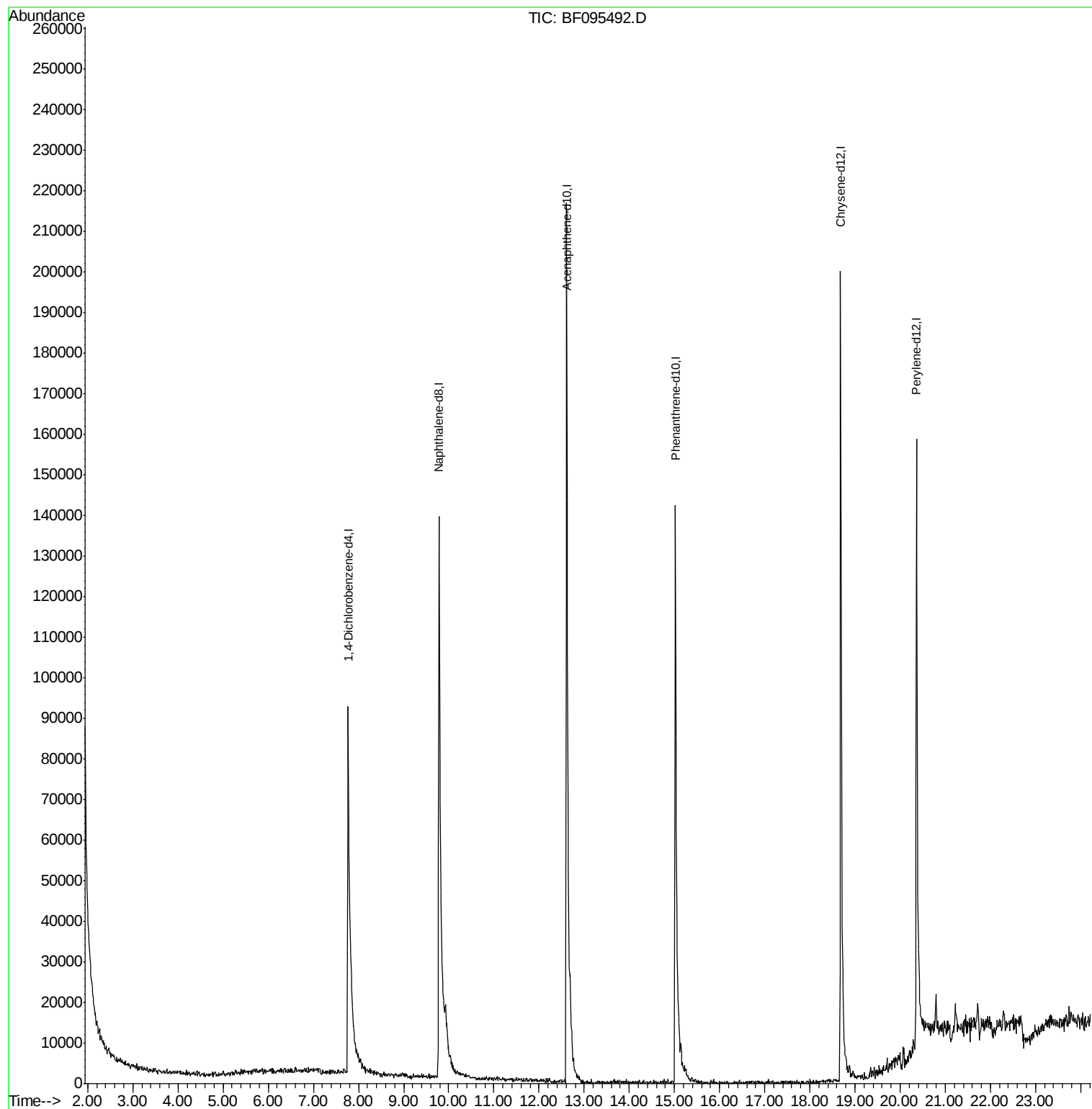
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

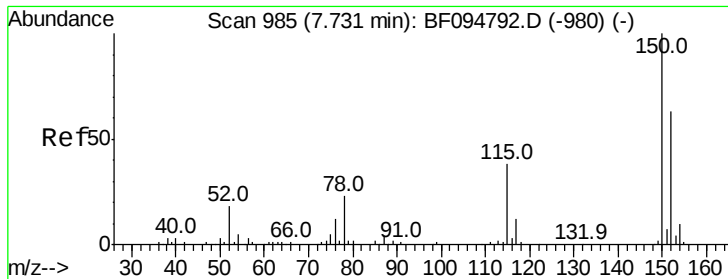
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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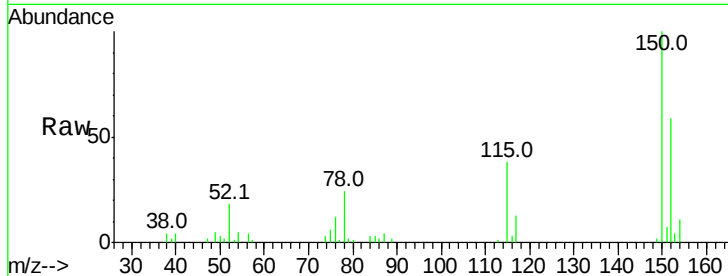


#1

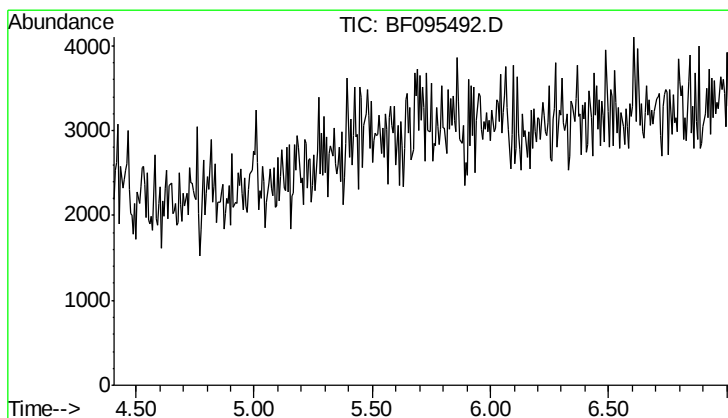
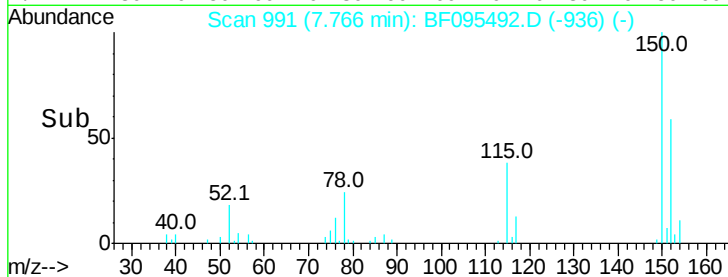
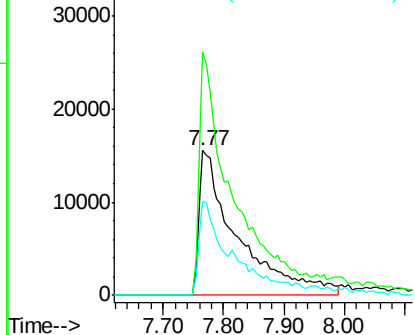
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.77 min Scan# 991  
 Delta R.T. 0.02 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATER-A

Tot Ion:152 Resp: 68669  
 Ion Ratio Lower Upper  
 152 100  
 150 168.6 126.2 189.2  
 115 64.8 52.2 78.2



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

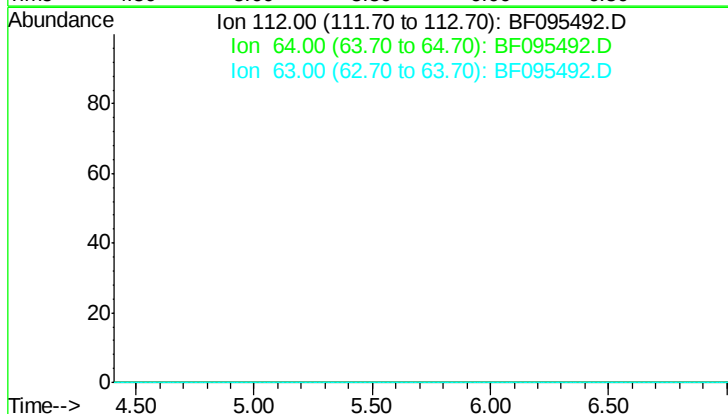


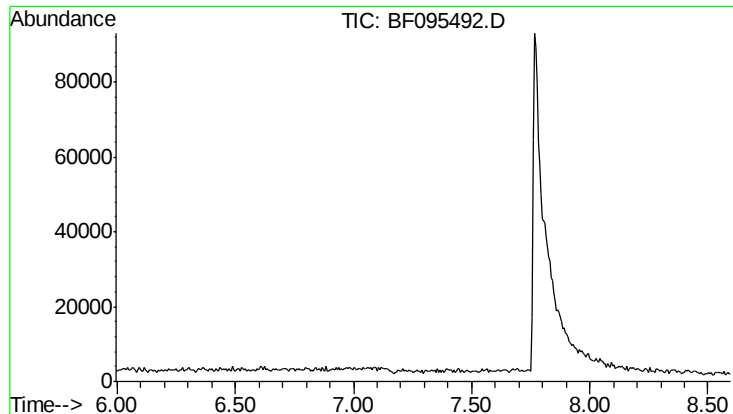
#5

2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.71 min

Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 57.5  
 63 29.2





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.30 min

Lab File: BF095492.D

Acq: 27 May 2017 9:15

Instrument :

BNA\_F

ClientSampleId :

PURGE-WATER-A

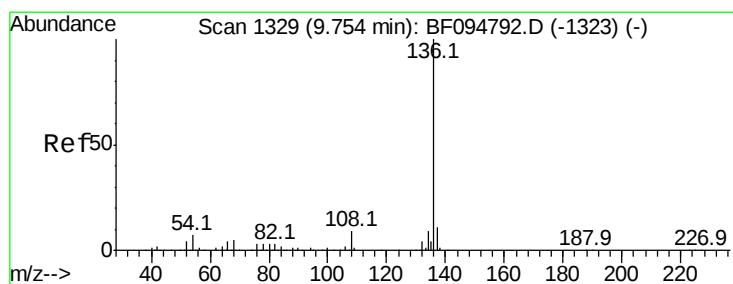
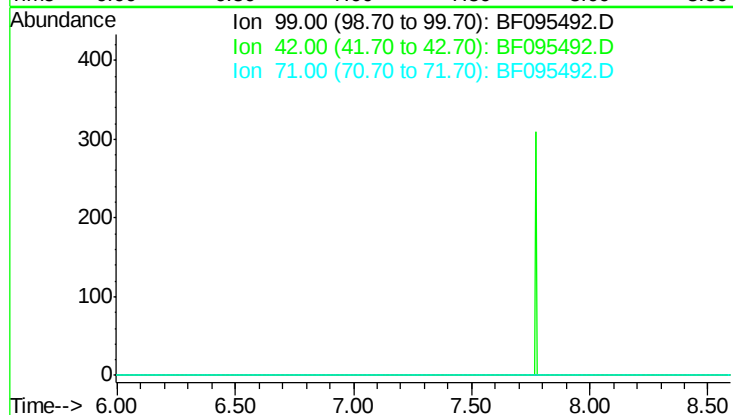
Tot Ion: 99

Sig Exp Ratio

99 100

42 16.9

71 30.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.02 min

Lab File: BF095492.D

Acq: 27 May 2017 9:15

Tgt Ion:136 Resp: 232609

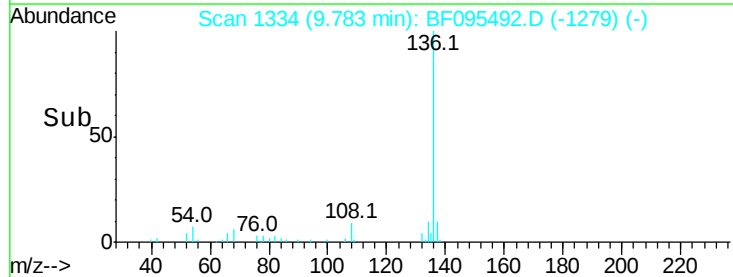
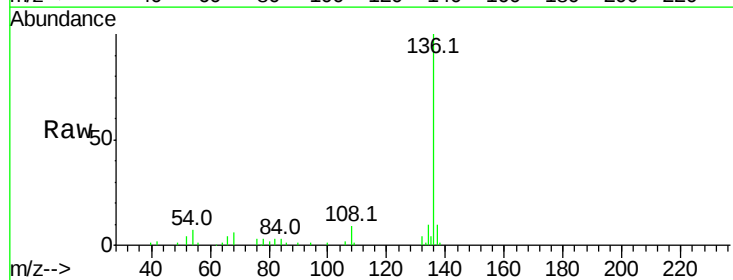
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.5 4.9 7.3

68 5.6 4.1 6.1

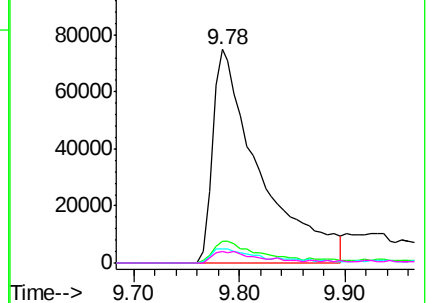


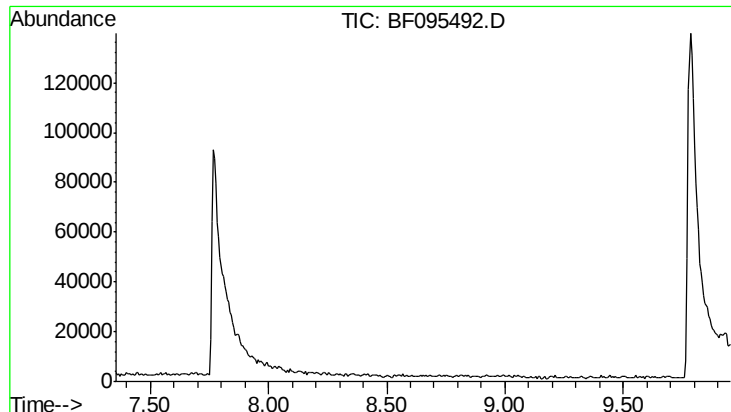
Abundance Ion 136.00 (135.70 to 136.70): E

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

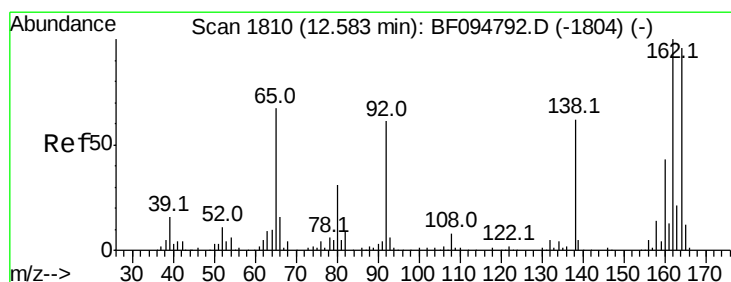
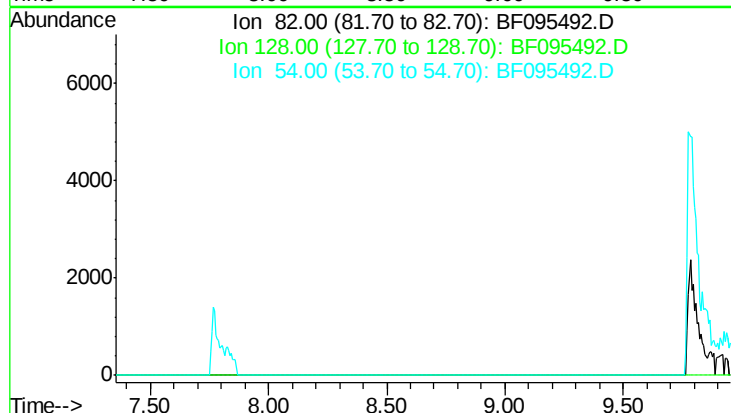




#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 Expected RT: 8.65 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

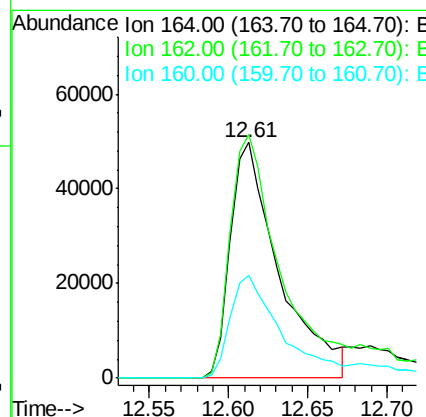
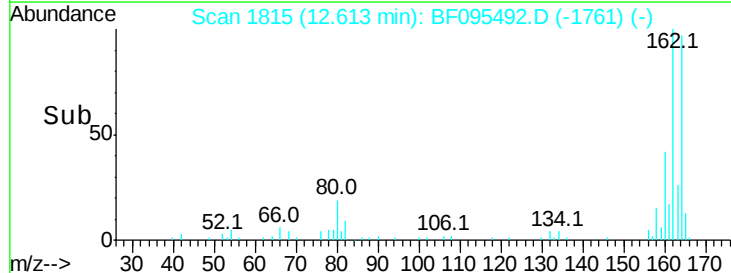
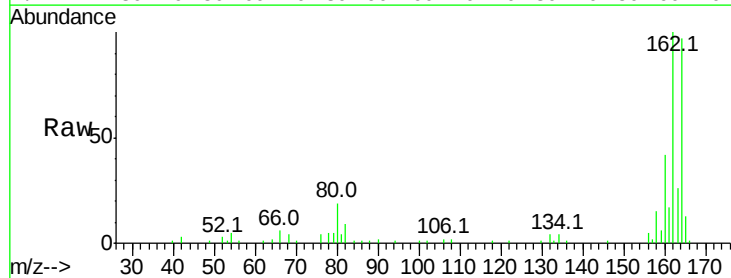
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATER-A

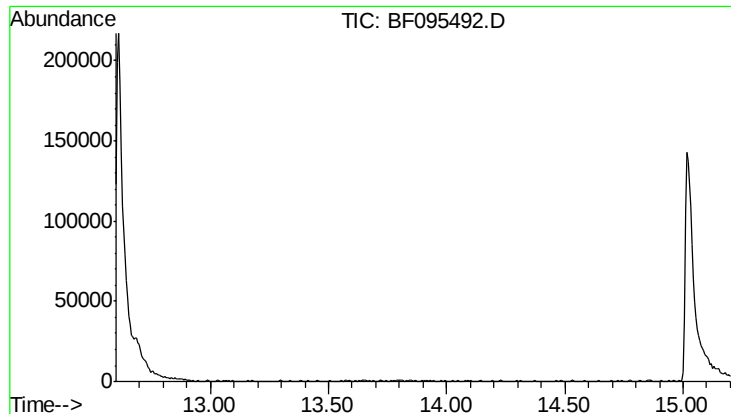
Tot Ion: 82  
 Sig Exp Ratio  
 82 100  
 128 42.5  
 54 52.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.61 min Scan# 1815  
 Delta R.T. 0.02 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

Tgt Ion: 164 Resp: 106510  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 82.6 123.8  
 160 43.4 36.2 54.2

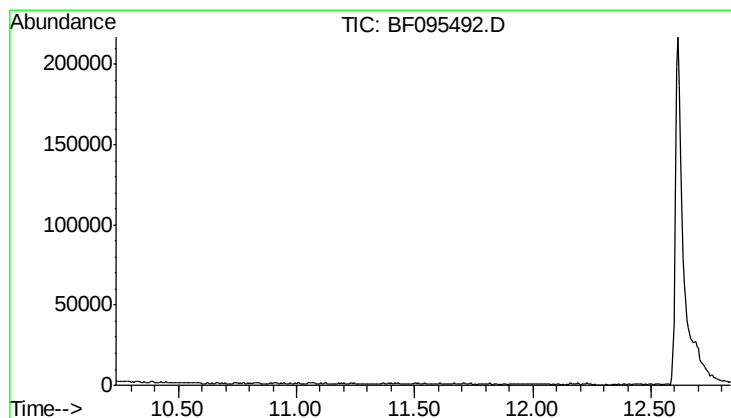
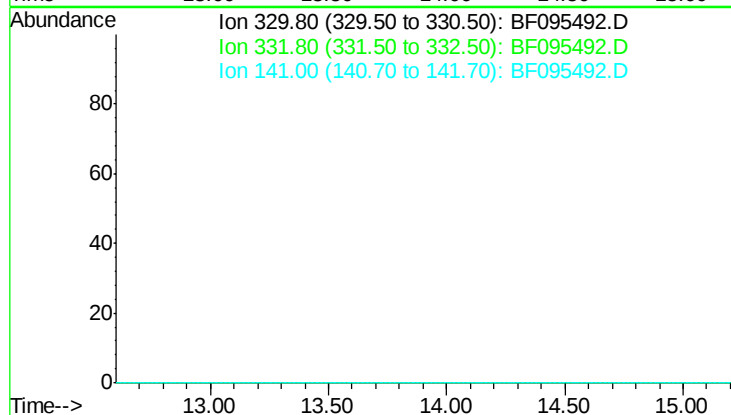




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 13.90 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

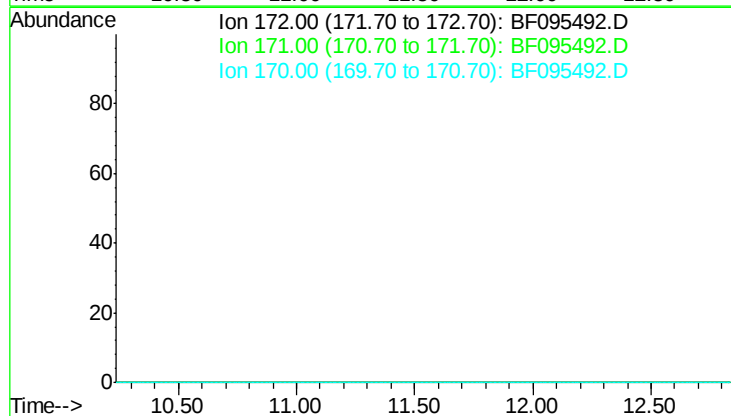
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATER-A

Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 95.8  
 141 39.3



#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 Expected RT: 11.54 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 37.0  
 170 24.8

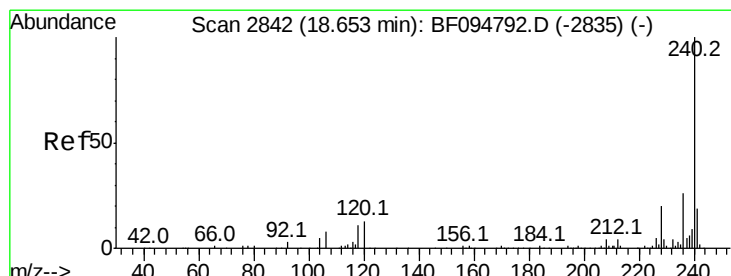
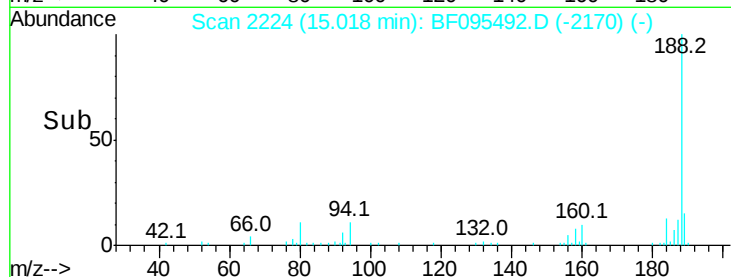
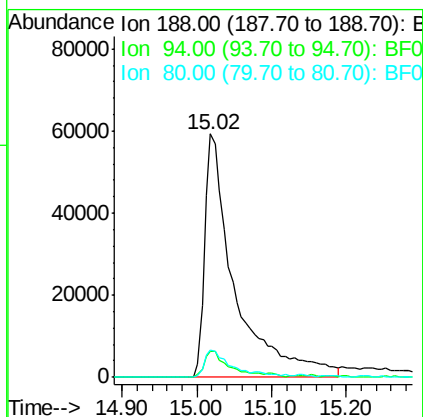
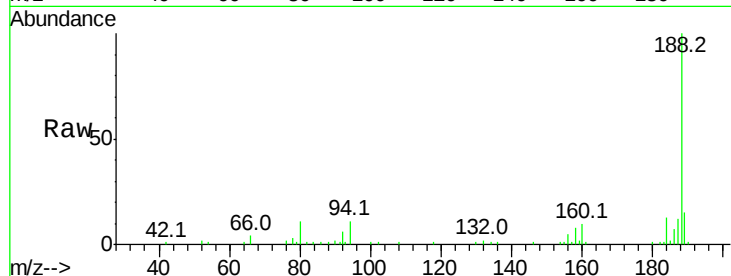




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2224  
 Delta R.T. 0.02 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

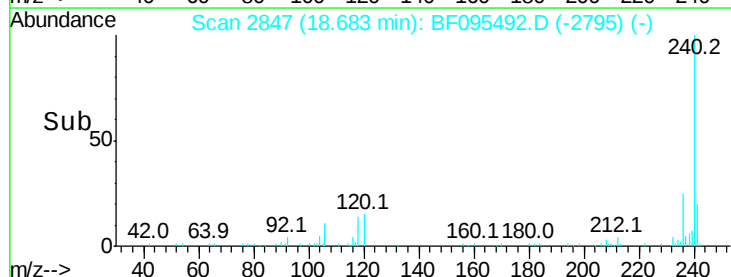
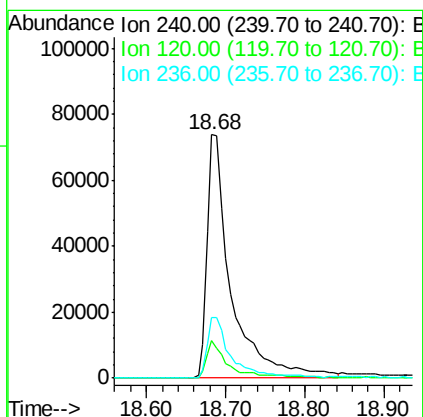
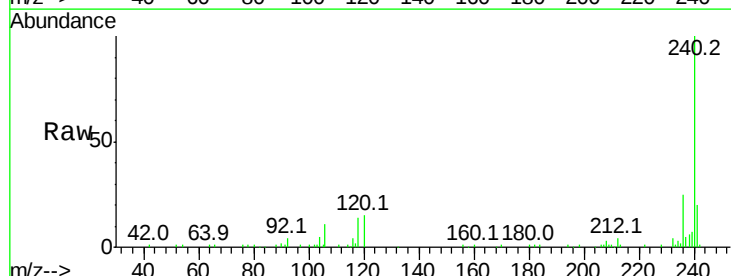
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATER-A

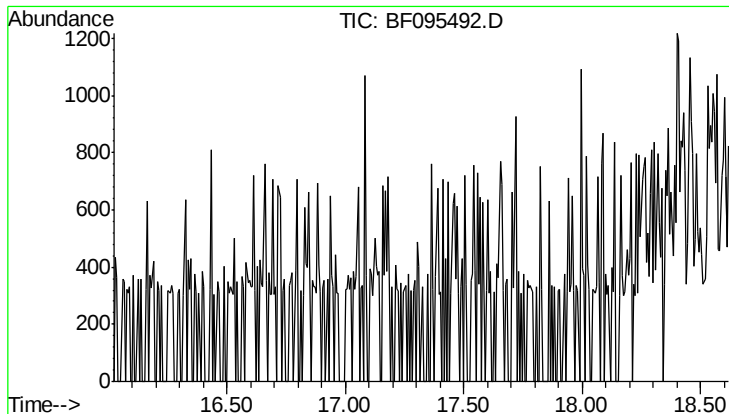
Tot Ion:188 Resp: 167619  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 9.4 14.2  
 80 11.1 10.2 15.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.68 min Scan# 2847  
 Delta R.T. 0.01 min  
 Lab File: BF095492.D  
 Acq: 27 May 2017 9:15

Tgt Ion:240 Resp: 156617  
 Ion Ratio Lower Upper  
 240 100  
 120 15.4 5.8 8.8#  
 236 24.6 20.5 30.7





#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 17.32 min

Lab File: BF095492.D

Acq: 27 May 2017 9:15

Instrument :

BNA\_F

ClientSampleId :

PURGE-WATER-A

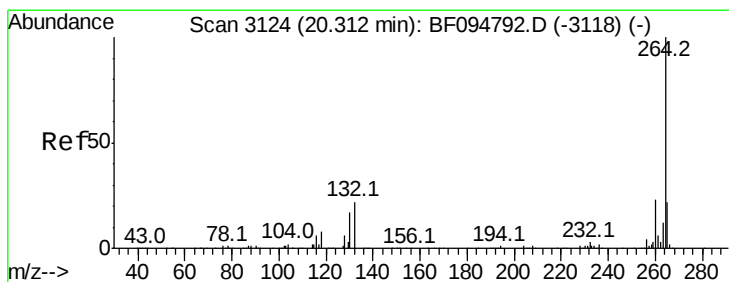
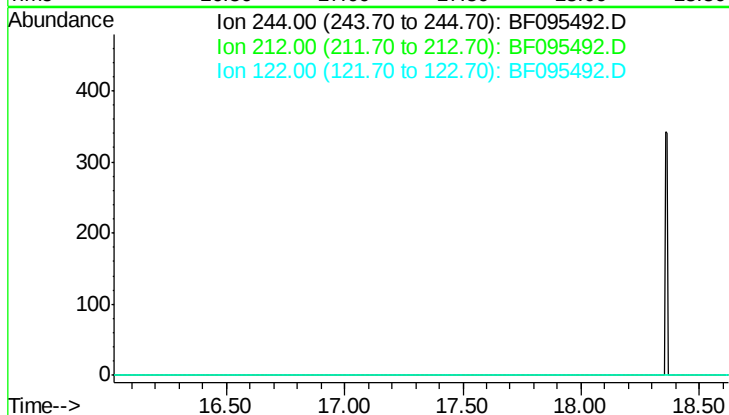
Tot Ion: 244

Sig Exp Ratio

244 100

212 7.5

122 12.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BF095492.D

Acq: 27 May 2017 9:15

Tgt Ion: 264 Resp: 117376

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.8 17.2 25.8

