

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\  
 Data File : BF084201.D  
 Acq On : 31 Dec 2015 18:12  
 Operator : UM/SJ  
 Sample : G4825-05  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-01

Quant Time: Jan 02 03:55:41 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 31 14:15:57 2015  
 Response via : Initial Calibration

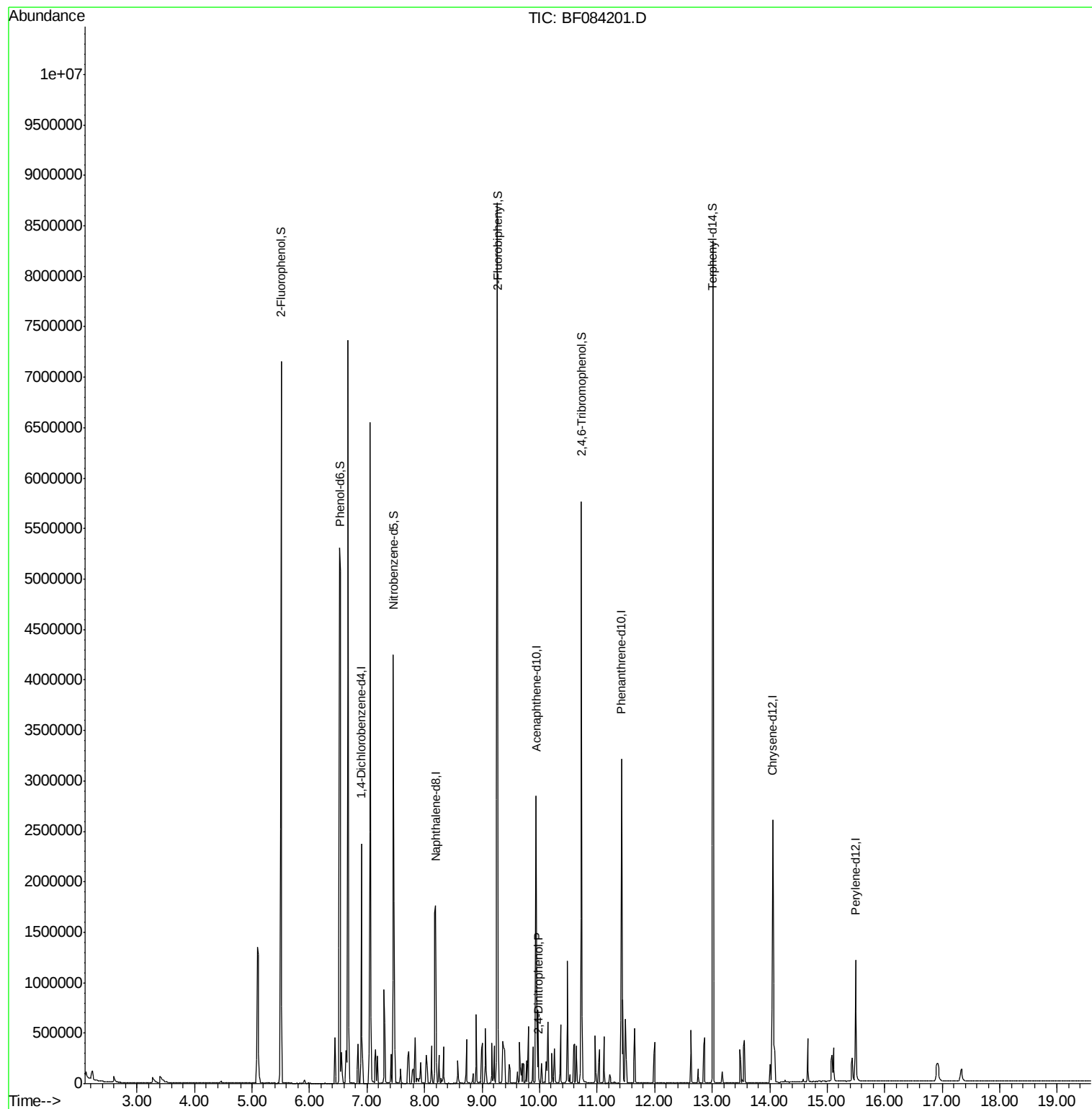
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 292022   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.19  | 136  | 1174552  | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.94  | 164  | 549708   | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 11.42 | 188  | 1051573  | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 14.05 | 240  | 754454   | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 15.49 | 264  | 563042   | 20.00  | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1885268  | 104.42 | ng    | 0.01          |
| 7) Phenol-d6                | 6.53  | 99   | 2704054  | 119.25 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 1564207  | 74.12  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 615079   | 110.83 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 2561388  | 81.73  | ng    | 0.00          |
| 78) Terphenyl-d14           | 13.01 | 244  | 2467034  | 72.99  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 53) 2,4-Dinitrophenol       | 9.98  | 184  | 1983     | 4.07   | ng    | Qvalue<br># 1 |

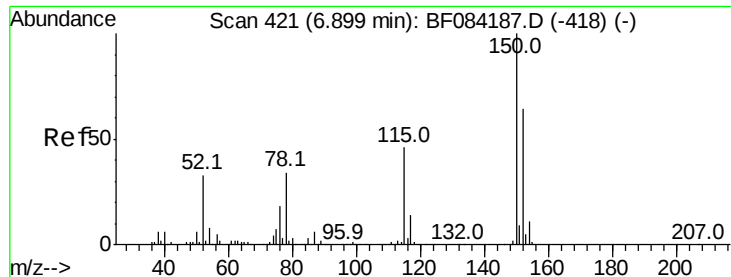
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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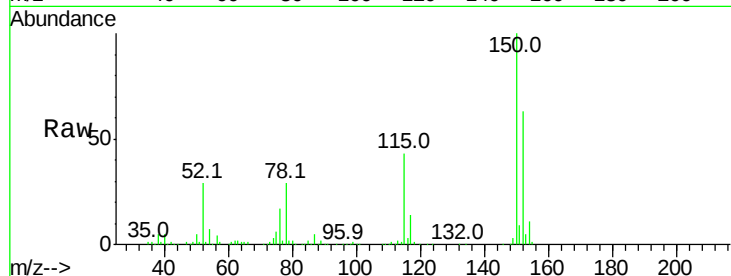


#1

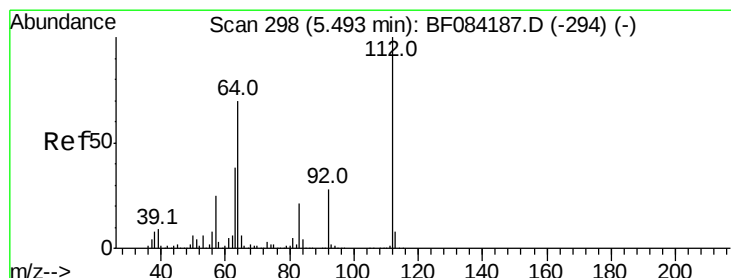
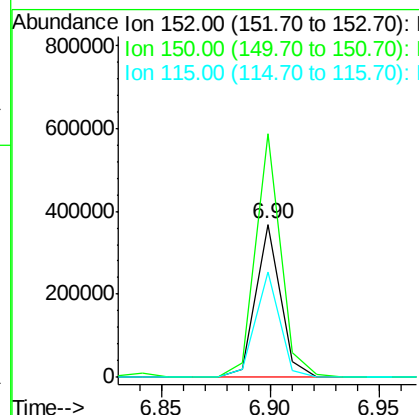
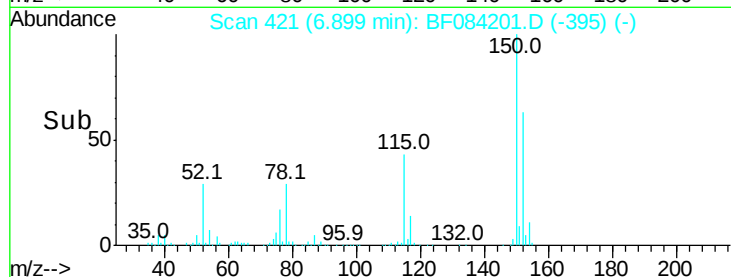
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.90 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: BF084201.D  
Acq: 31 Dec 2015 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2016-01

Tot Ion:152 Resp: 292022  
Ion Ratio Lower Upper  
152 100  
150 159.3 123.0 184.4  
115 69.1 51.4 77.2



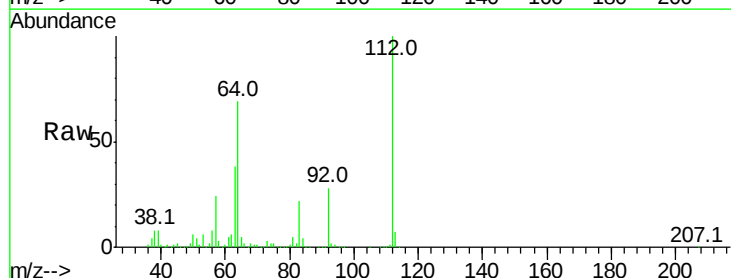
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



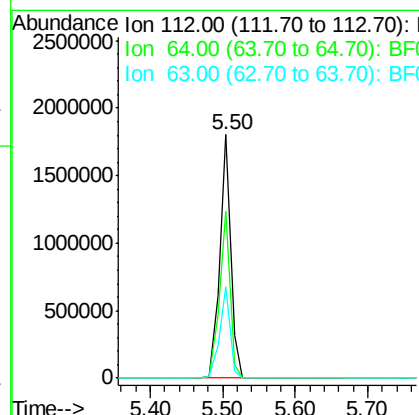
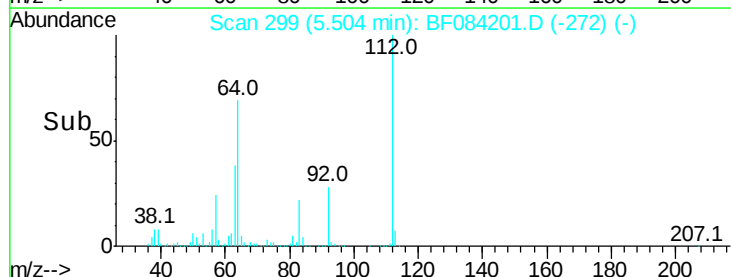
#5

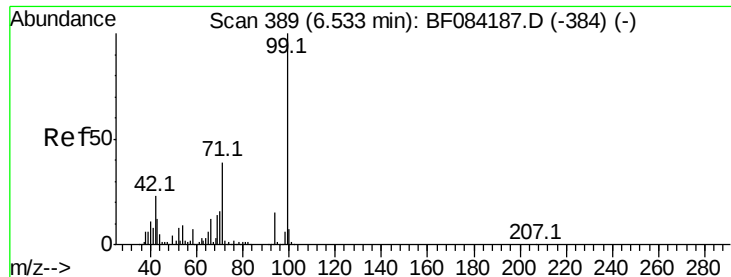
2-Fluorophenol  
Concen: 104.42 ng  
RT: 5.50 min Scan# 299  
Delta R.T. 0.01 min  
Lab File: BF084201.D  
Acq: 31 Dec 2015 18:12

Tgt Ion:112 Resp: 1885268  
Ion Ratio Lower Upper  
112 100  
64 68.6 36.6 55.0#  
63 37.5 19.4 29.0#



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: 119.25 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084201.D

Acq: 31 Dec 2015 18:12

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2016-01

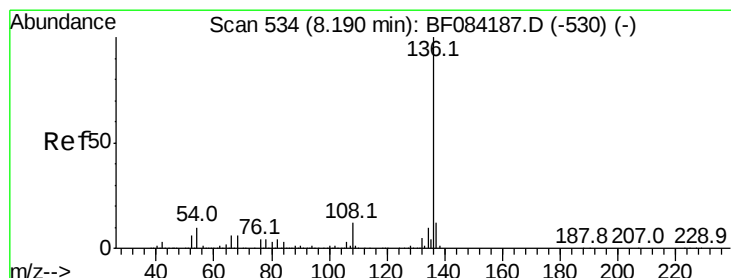
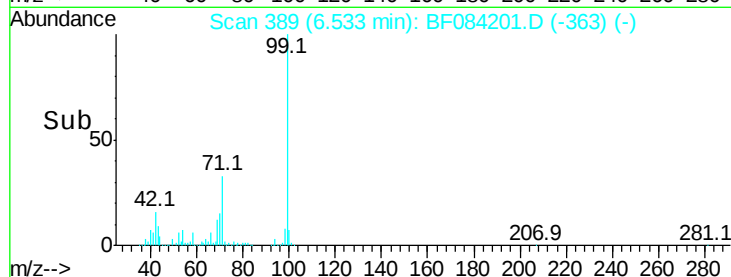
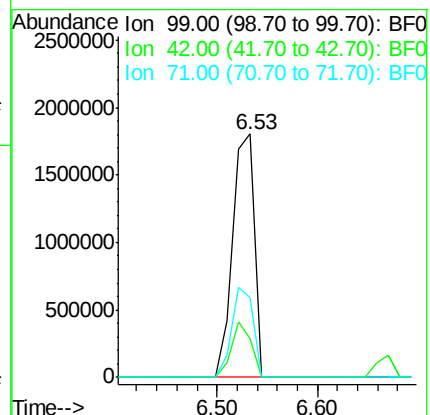
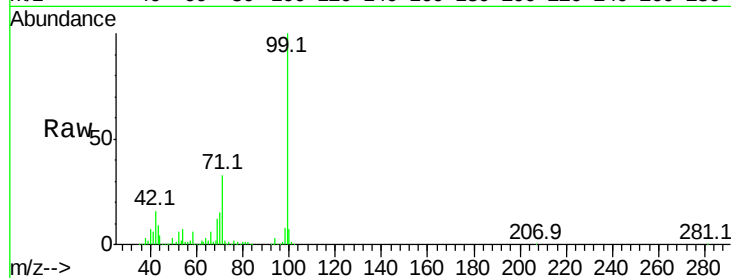
Tot Ion: 99 Resp: 2704054

Ion Ratio Lower Upper

99 100

42 15.7 12.8 19.2

71 32.8 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084201.D

Acq: 31 Dec 2015 18:12

Tgt Ion: 136 Resp: 1174552

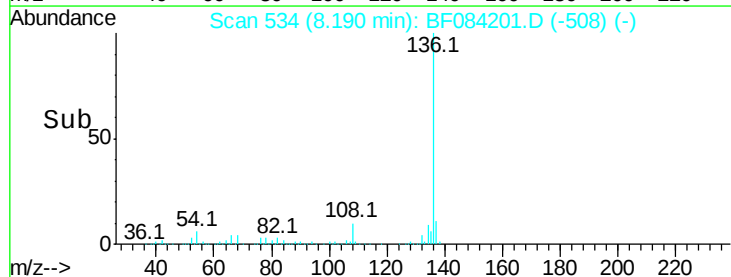
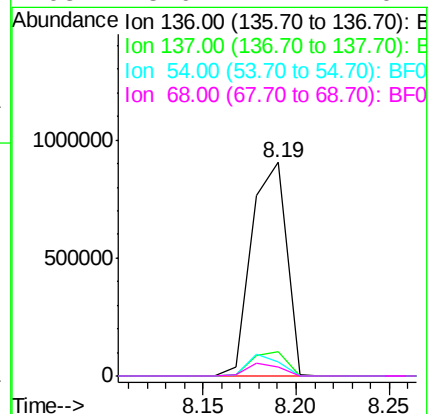
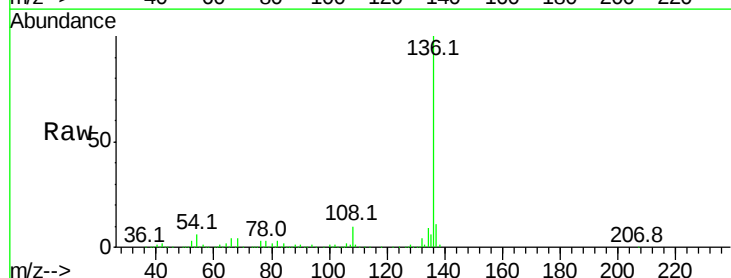
Ion Ratio Lower Upper

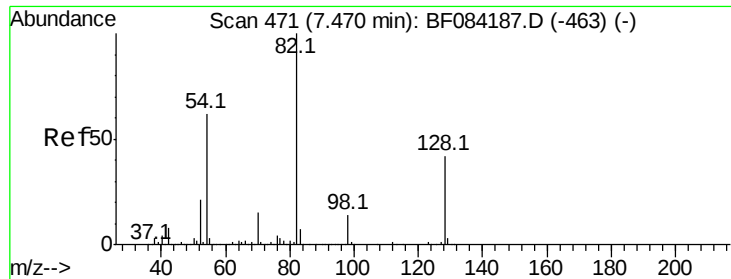
136 100

137 11.1 8.7 13.1

54 6.4 5.8 8.8

68 3.9 4.2 6.2#



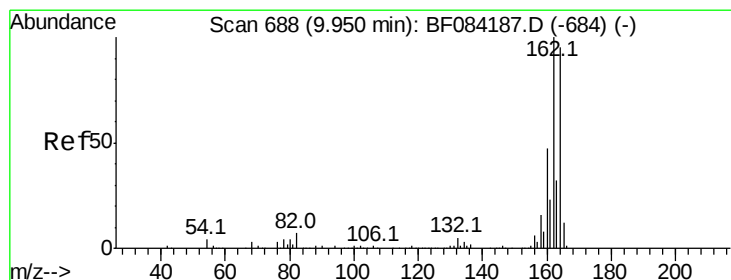
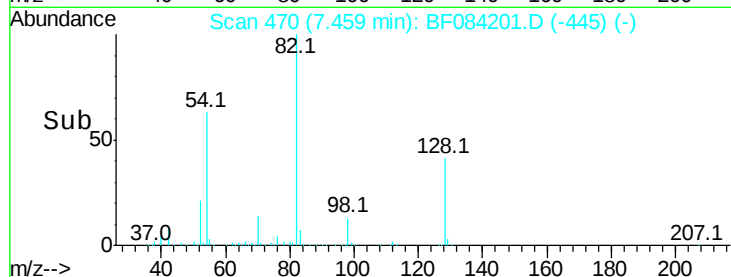
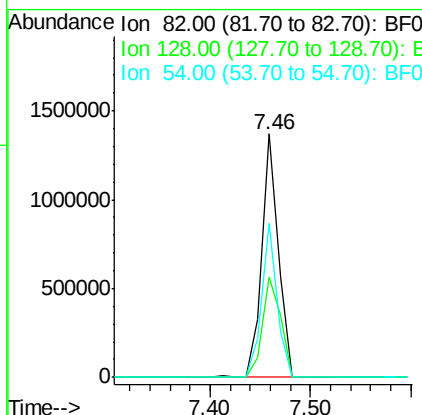
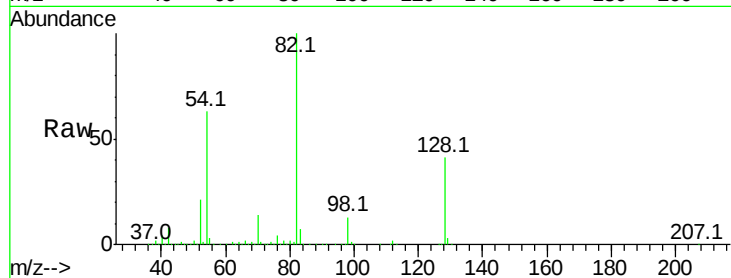


#23  
 Nitrobenzene-d5  
 Concen: 74.12 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-01

Tot Ion: 82 Resp: 1564207  

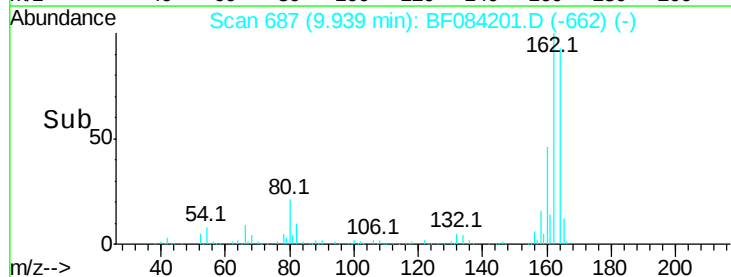
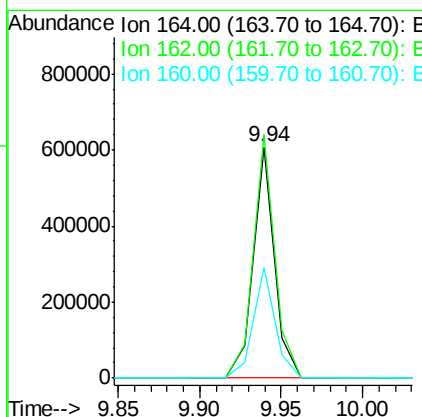
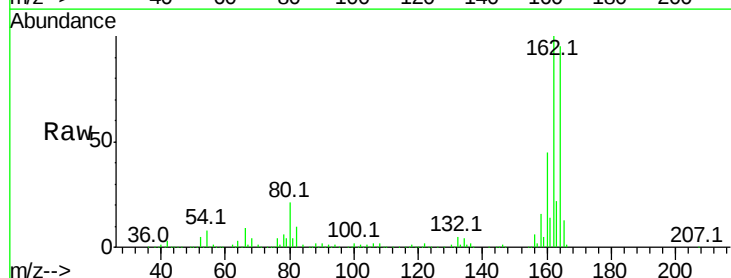
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.1  | 34.6  | 51.8  |
| 54  | 63.1  | 38.4  | 57.6  |

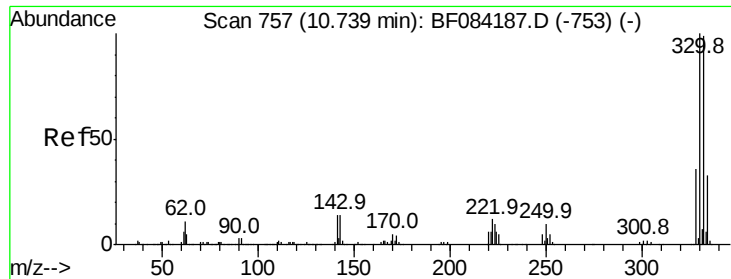


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. -0.01 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Tgt Ion:164 Resp: 549708  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.2 | 85.1  | 127.7 |
| 160 | 47.8  | 37.5  | 56.3  |

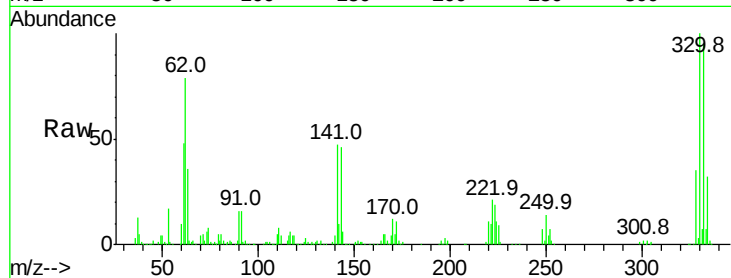




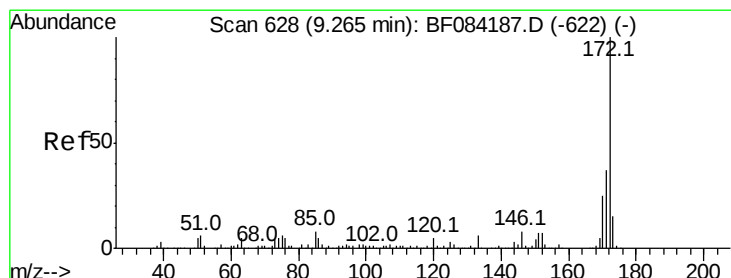
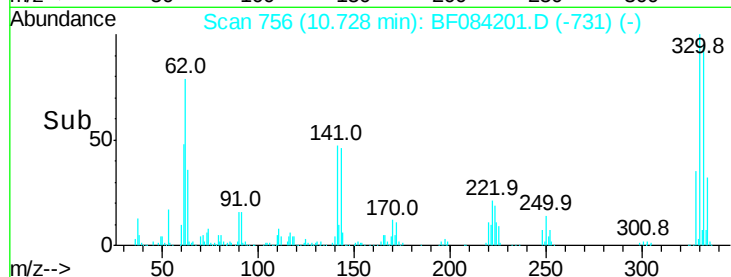
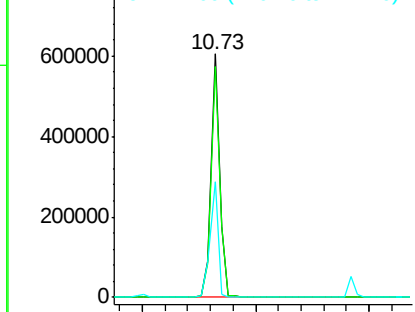
#41  
 2,4,6-Tribromophenol  
 Concen: 110.83 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-01

Tot Ion:330 Resp: 615079  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.6 114.8  
 141 43.9 27.8 41.6#

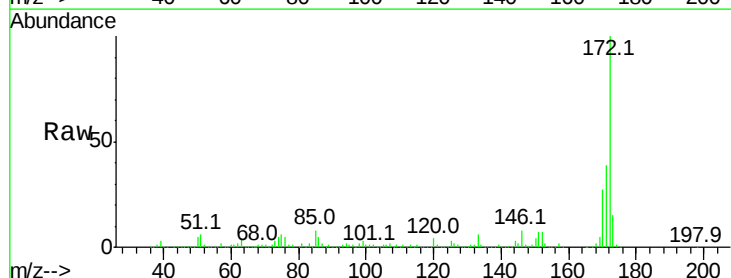


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

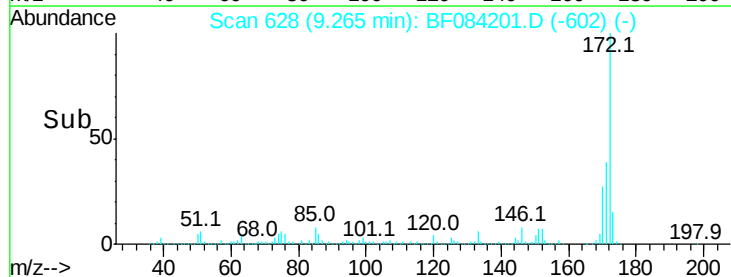
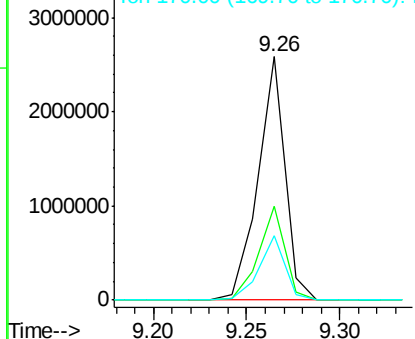


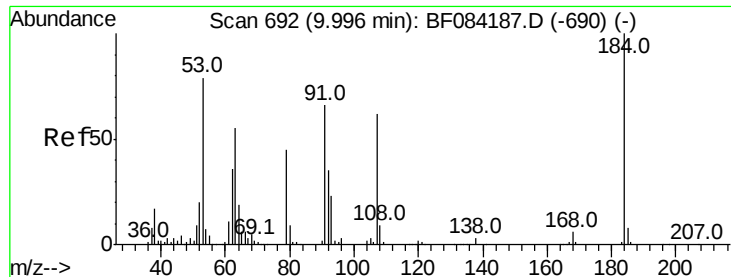
#44  
 2-Fluorobiphenyl  
 Concen: 81.73 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Tgt Ion:172 Resp: 2561388  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 28.9 43.3  
 170 26.7 18.6 27.8



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

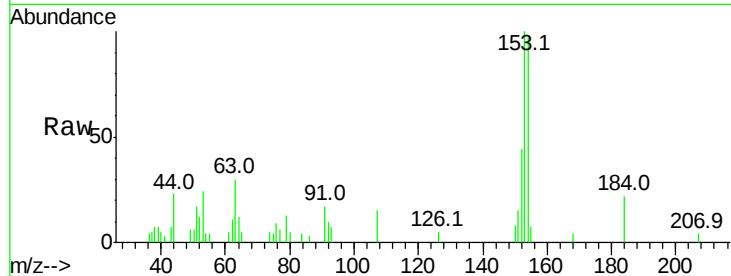




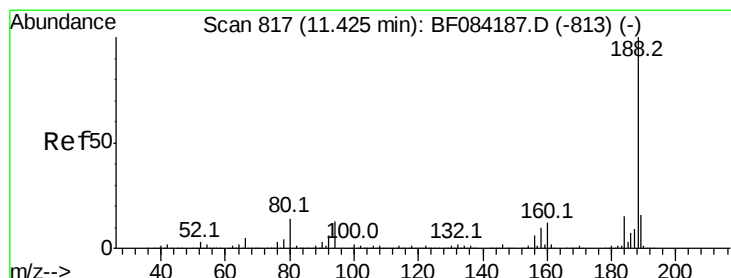
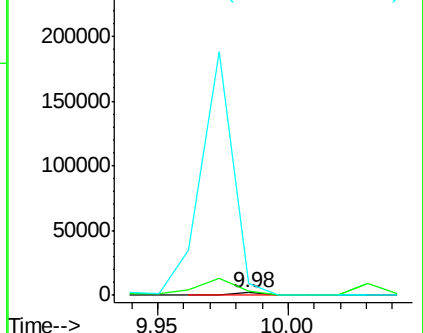
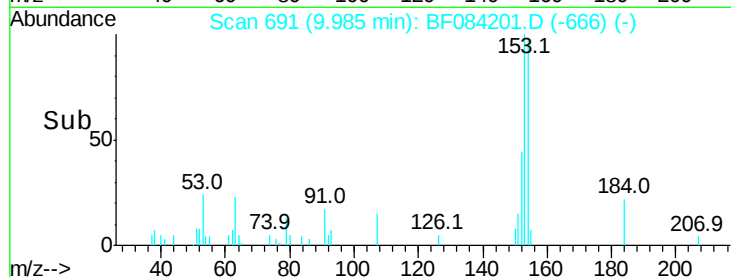
#53  
 2,4-Dinitrophenol  
 Concen: 4.07 ng  
 RT: 9.98 min Scan# 691  
 Delta R.T. -0.01 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Instrument :  
 BNA\_F  
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 LOD-WATER2016-01

Tot Ion:184 Resp: 1983  
 Ion Ratio Lower Upper  
 184 100  
 63 135.0 43.1 64.7#  
 154 431.6 60.5 90.7#

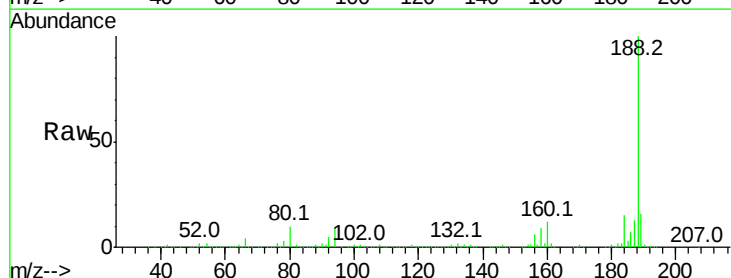


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

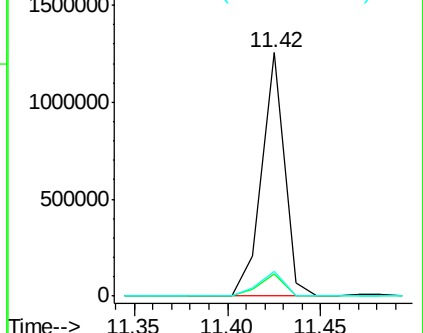
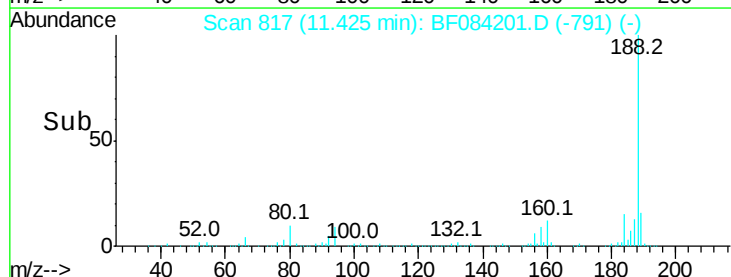


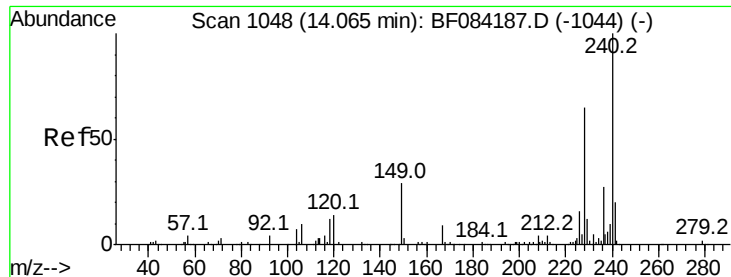
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.42 min Scan# 817  
 Delta R.T. 0.00 min  
 Lab File: BF084201.D  
 Acq: 31 Dec 2015 18:12

Tgt Ion:188 Resp: 1051573  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 9.0 13.4  
 80 10.0 9.6 14.4



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084201.D

Acq: 31 Dec 2015 18:12

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2016-01

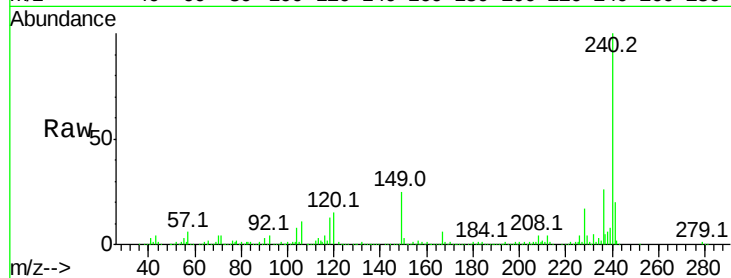
Tot Ion:240 Resp: 754454

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

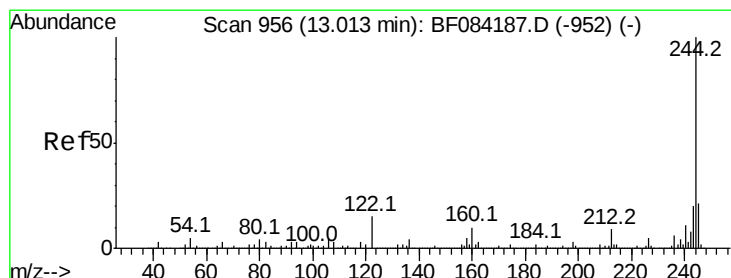
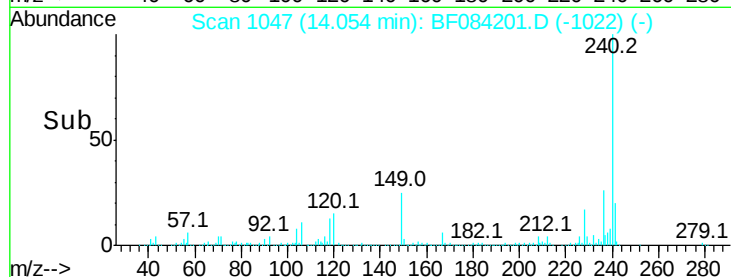
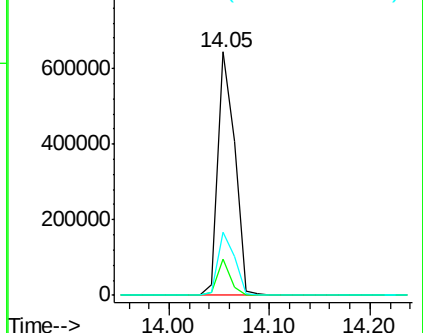
236 25.8 20.6 31.0



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: 72.99 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084201.D

Acq: 31 Dec 2015 18:12

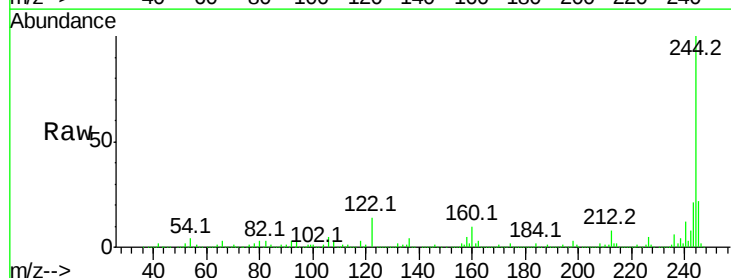
Tgt Ion:244 Resp: 2467034

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

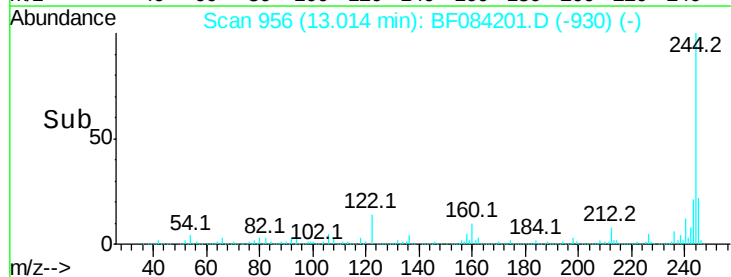
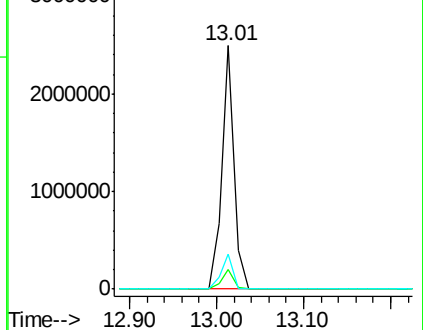
122 14.2 7.4 11.0#

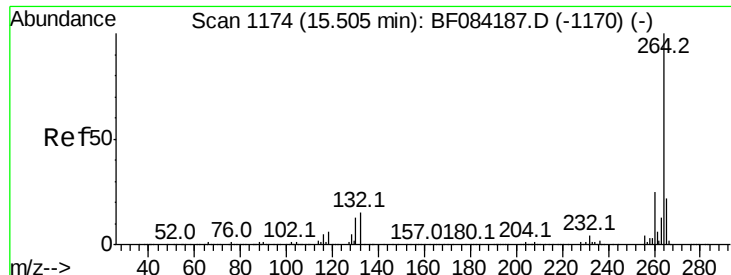


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

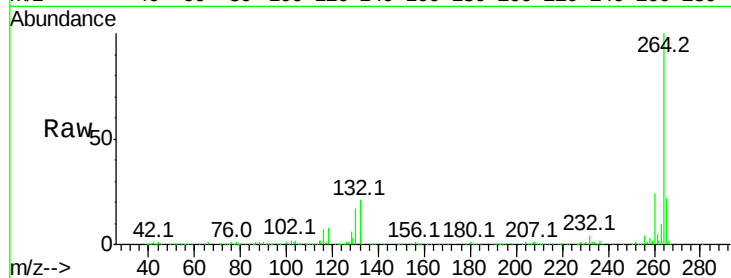




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.49 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BF084201.D  
Acq: 31 Dec 2015 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2016-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.4  | 29.2  |
| 265     | 21.7  | 17.8  | 26.6  |



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

