

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
 Data File : BF093496.D  
 Acq On : 10 Mar 2017 00:52  
 Operator : SJ/MA  
 Sample : I2154-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-BLEND8-1

Quant Time: Mar 10 05:06:18 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

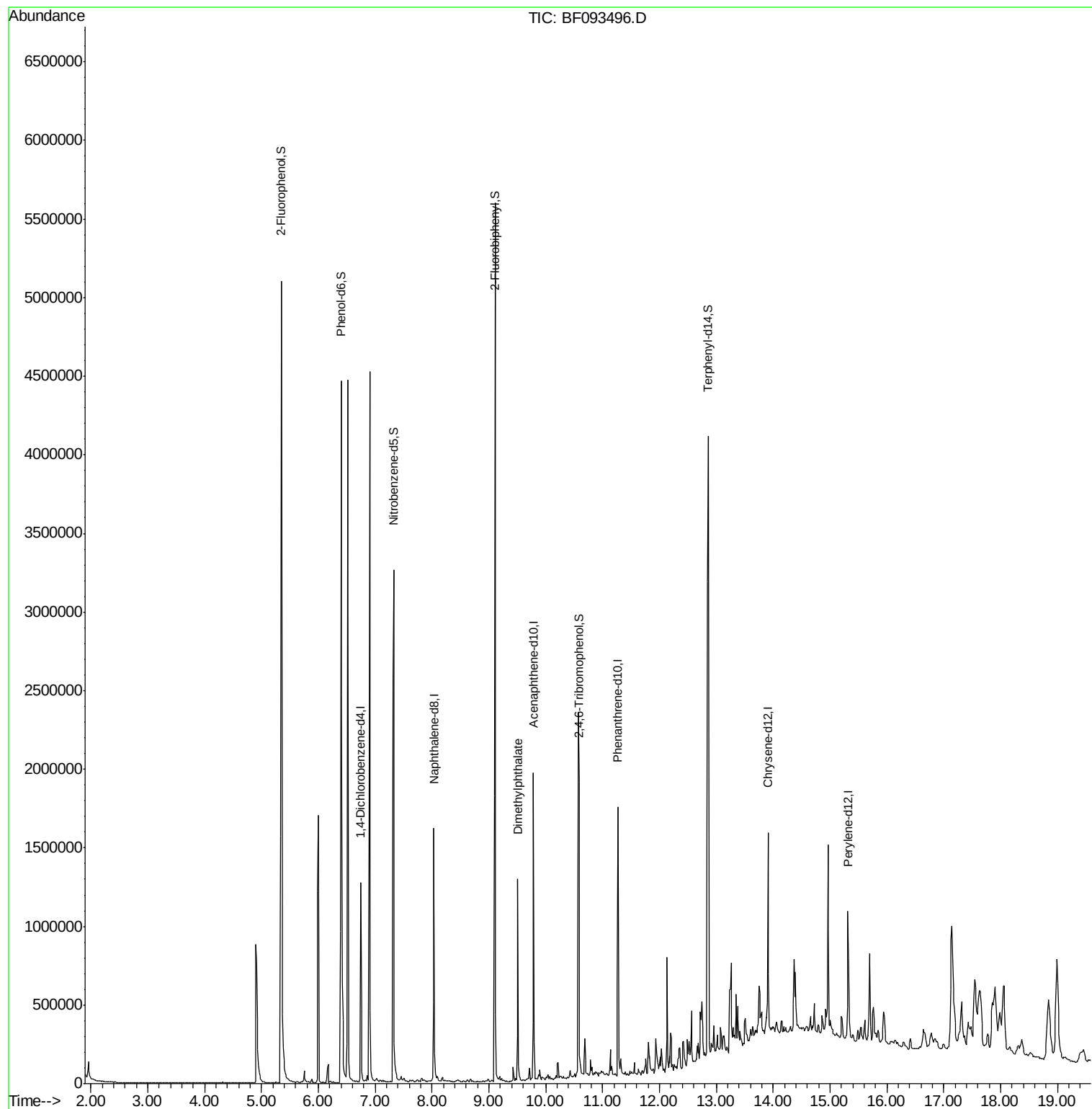
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 202281   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 8.04  | 136  | 778606   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.78  | 164  | 369684   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.27 | 188  | 649736   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.91 | 240  | 450848   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 15.32 | 264  | 383416   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.35  | 112  | 1655939  | 136.25 | ng    | 0.00         |
| 7) Phenol-d6                | 6.40  | 99   | 2105046  | 137.35 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 1486402  | 105.92 | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 389149   | 161.57 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 1780163  | 89.57  | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.86 | 244  | 1513327  | 87.27  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.51  | 163  | 515125   | 21.02  | ng    | Qvalue<br>99 |

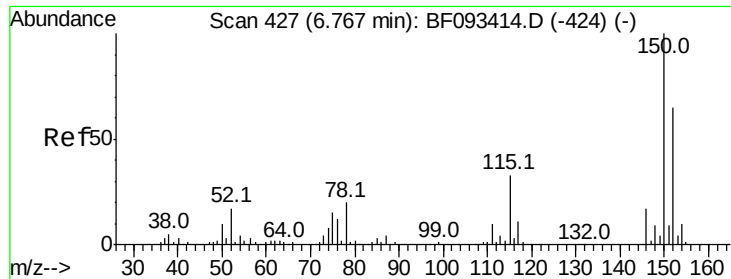
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

Instrument :

BNA\_F

ClientSampleId :

EME-BLEND8-1

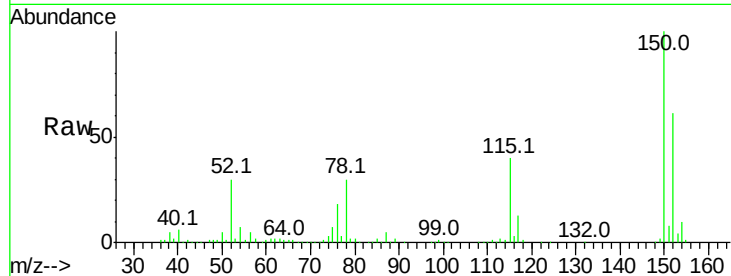
Tot Ion:152 Resp: 202281

Ion Ratio Lower Upper

152 100

150 163.0 124.9 187.3

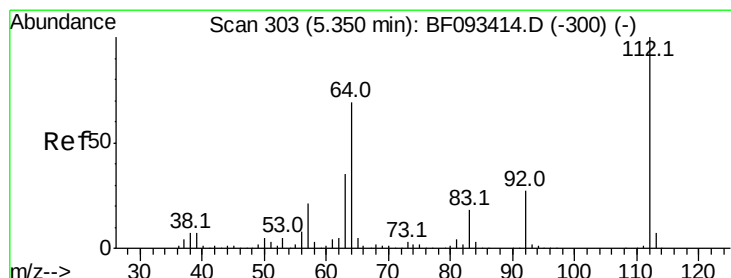
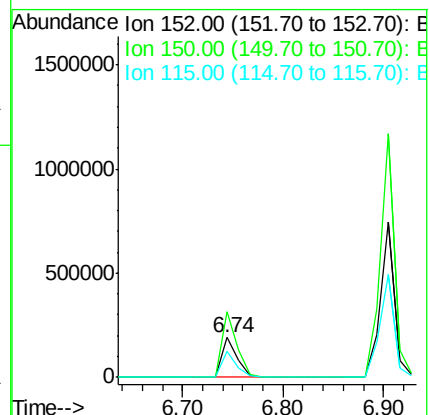
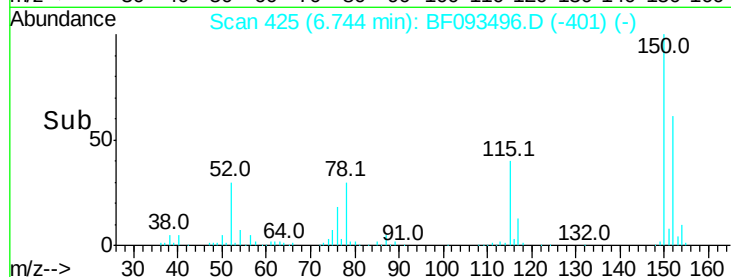
115 65.9 46.0 69.0



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: 136.25 ng

RT: 5.35 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

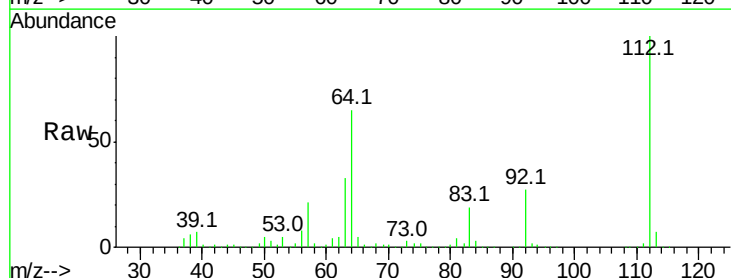
Tgt Ion:112 Resp: 1655939

Ion Ratio Lower Upper

112 100

64 65.1 46.1 69.1

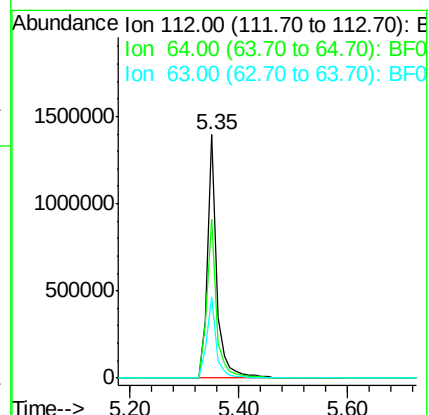
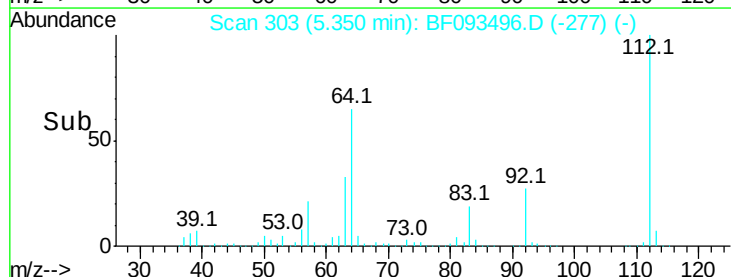
63 33.1 23.8 35.6

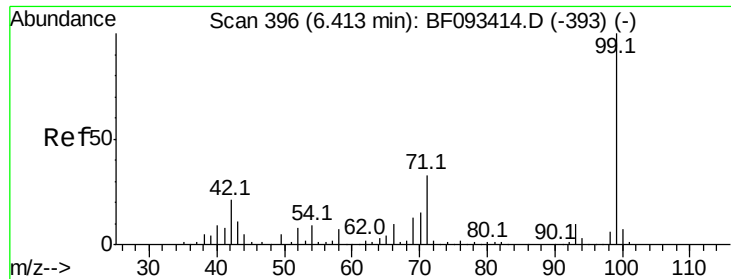


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.35 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

Instrument :

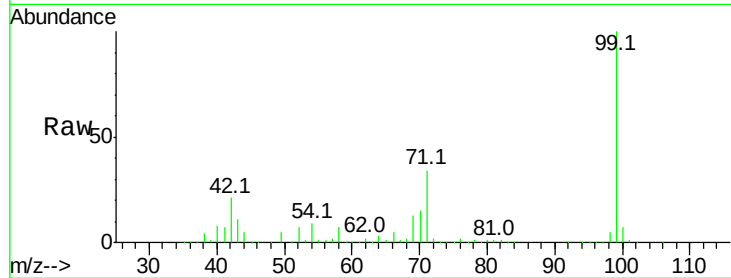
BNA\_F

ClientSampleId :

EME-BLEND8-1

Tot Ion: 99 Resp: 2105046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.0  | 15.6  | 23.4  |
| 71  | 34.1  | 27.5  | 41.3  |

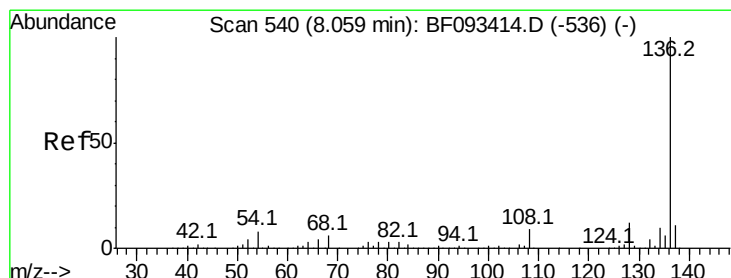
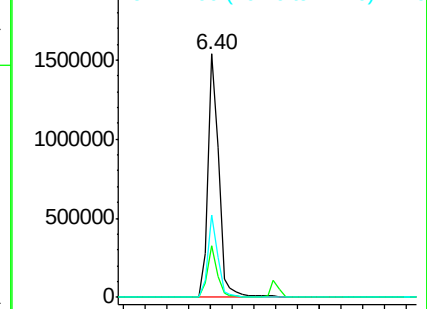
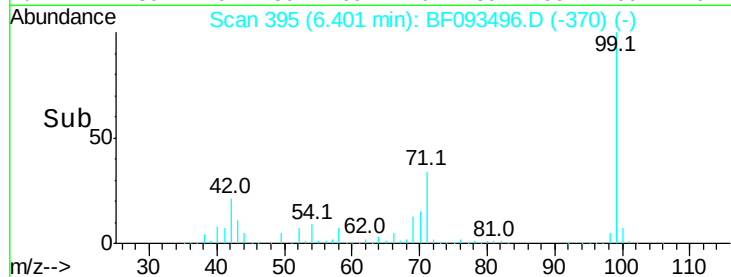


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 538

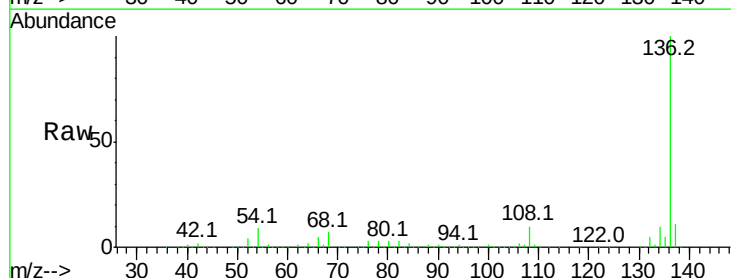
Delta R.T. -0.02 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

Tgt Ion: 136 Resp: 778606

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.4   | 12.6  |
| 54  | 8.7   | 4.5   | 6.7#  |
| 68  | 6.6   | 3.6   | 5.4#  |



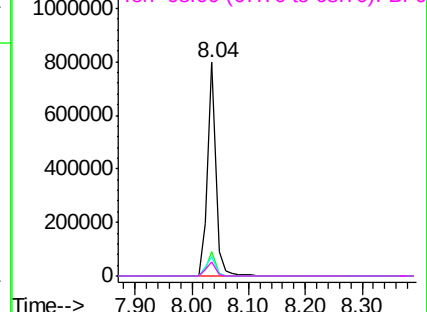
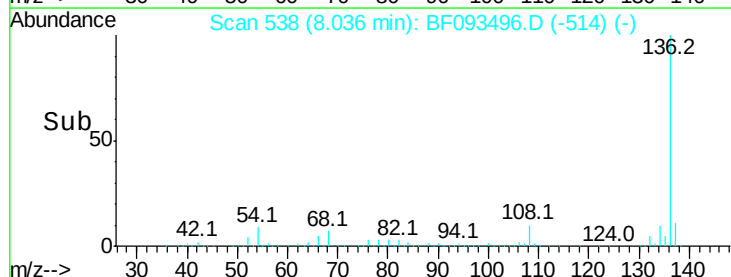
Abundance

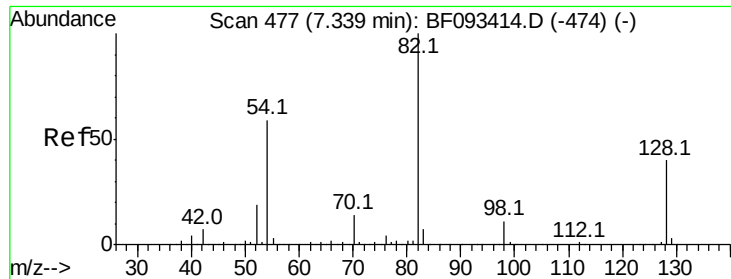
Ion 136.00 (135.70 to 136.70): E

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

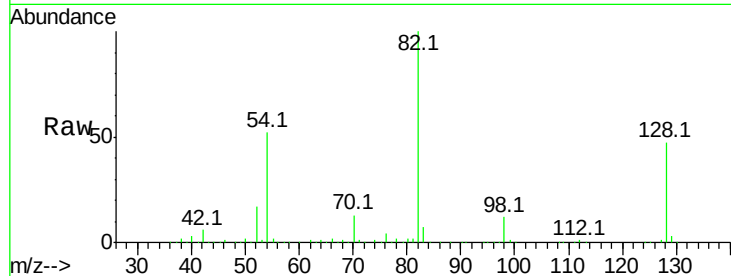




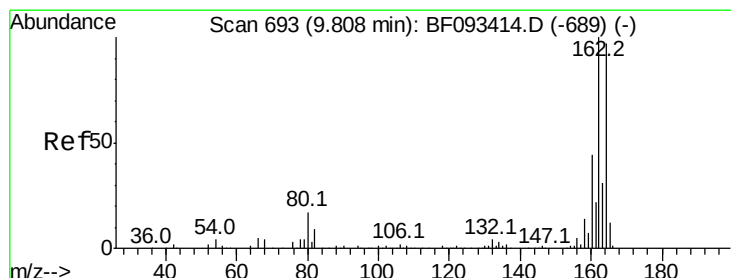
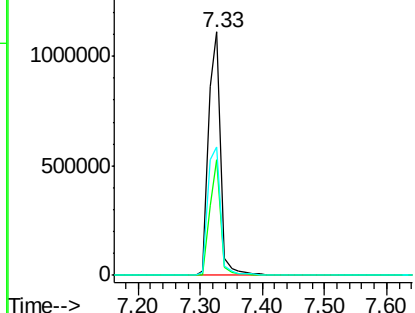
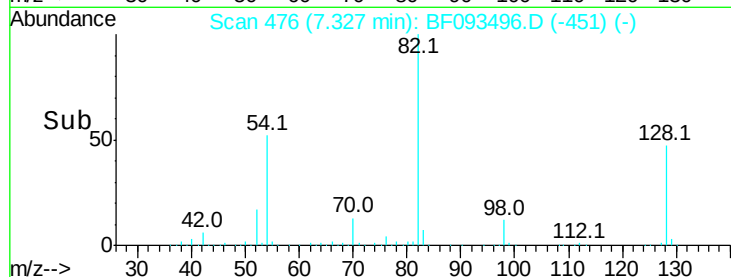
#23  
 Nitrobenzene-d5  
 Concen: 105.92 ng  
 RT: 7.33 min Scan# 476  
 Delta R.T. -0.01 min  
 Lab File: BF093496.D  
 Acq: 10 Mar 2017 00:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-BLEND8-1

Tot Ion: 82 Resp: 1486402  
 Ion Ratio Lower Upper  
 82 100  
 128 47.4 34.6 52.0  
 54 52.5 39.5 59.3

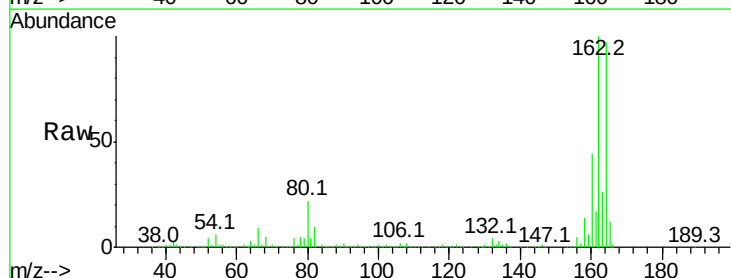


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

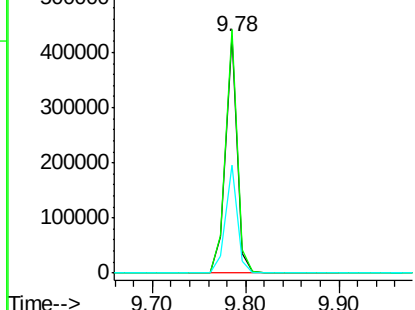
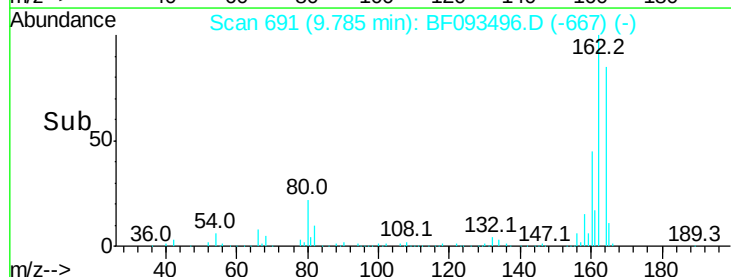


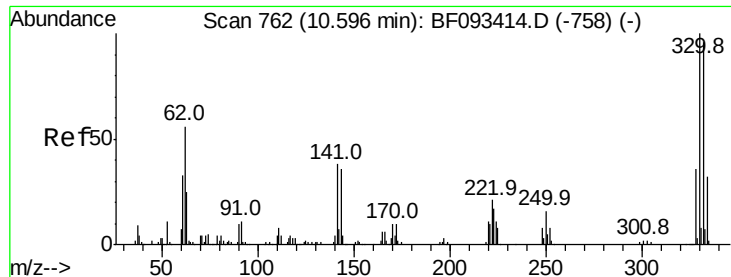
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 691  
 Delta R.T. -0.02 min  
 Lab File: BF093496.D  
 Acq: 10 Mar 2017 00:52

Tgt Ion:164 Resp: 369684  
 Ion Ratio Lower Upper  
 164 100  
 162 102.7 80.2 120.2  
 160 45.6 36.9 55.3



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

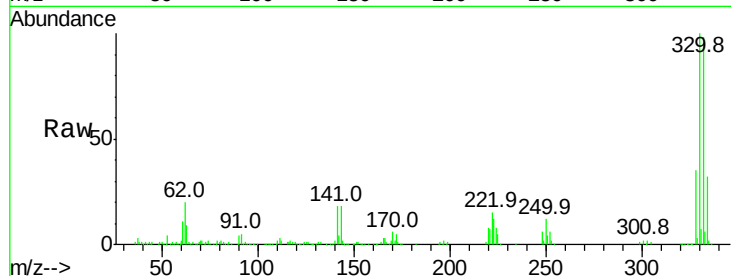




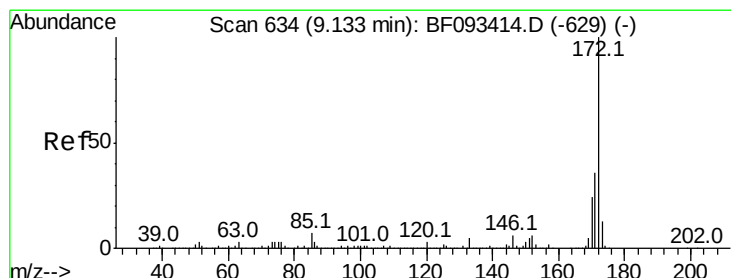
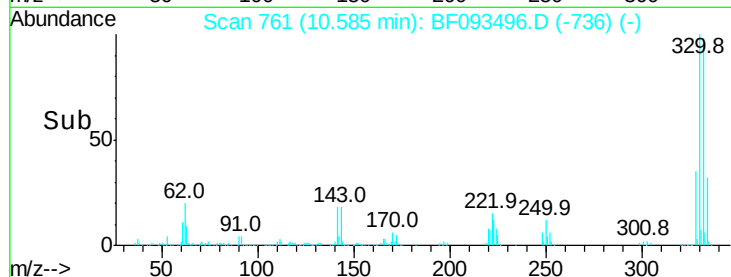
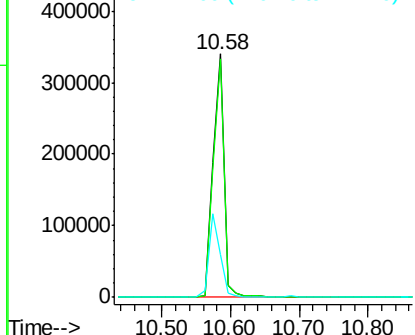
#41  
 2,4,6-Tribromophenol  
 Concen: 161.57 ng  
 RT: 10.58 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BF093496.D  
 Acq: 10 Mar 2017 00:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-BLEND8-1

Tot Ion:330 Resp: 389149  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.4 116.2  
 141 35.2 34.1 51.1

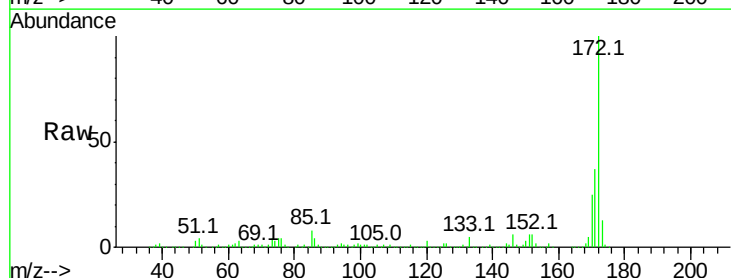


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

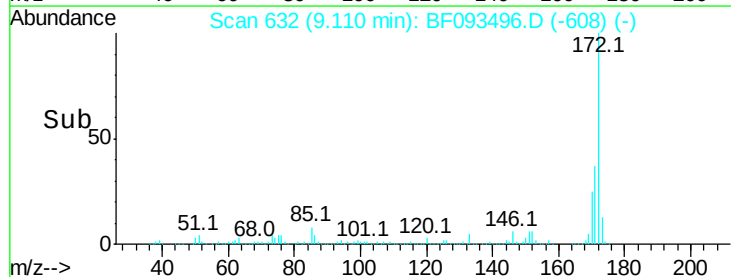
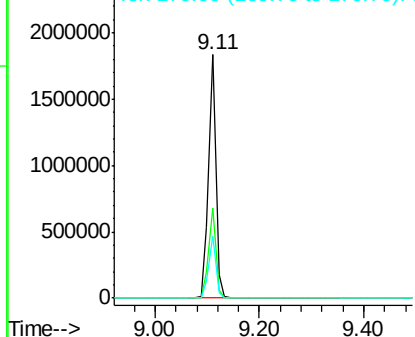


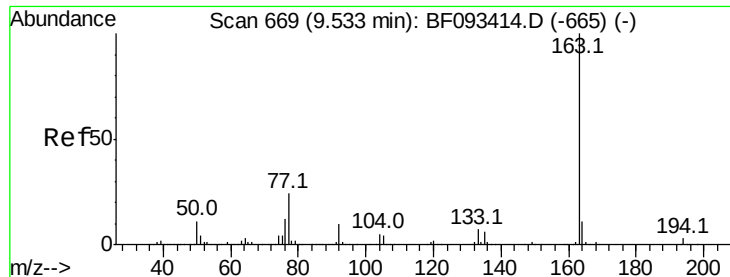
#44  
 2-Fluorobiphenyl  
 Concen: 89.57 ng  
 RT: 9.11 min Scan# 632  
 Delta R.T. -0.02 min  
 Lab File: BF093496.D  
 Acq: 10 Mar 2017 00:52

Tgt Ion:172 Resp: 1780163  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 29.4 44.0  
 170 25.3 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

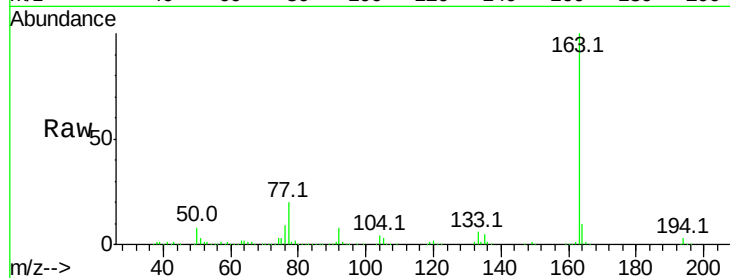




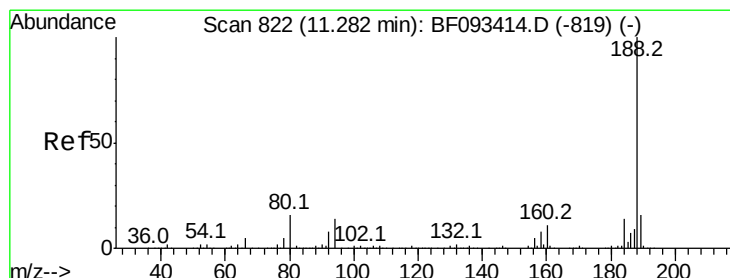
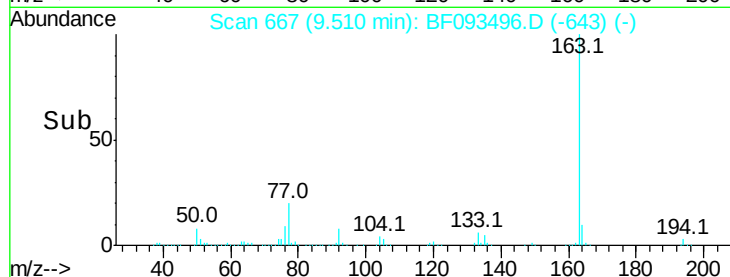
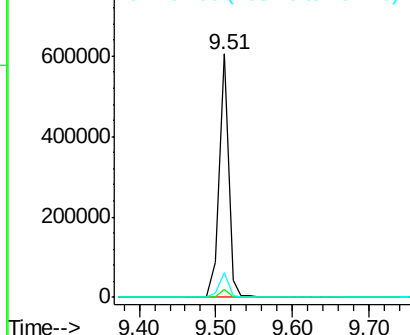
#49  
Dimethylphthalate  
Concen: 21.02 ng  
RT: 9.51 min Scan# 667  
Delta R.T. -0.02 min  
Lab File: BF093496.D  
Acq: 10 Mar 2017 00:52

Instrument :  
BNA\_F  
ClientSampleId :  
EME-BLEND8-1

Tot Ion:163 Resp: 515125  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.4  
164 10.2 8.0 12.0

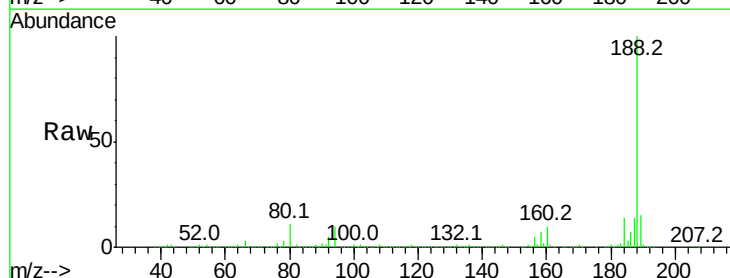


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

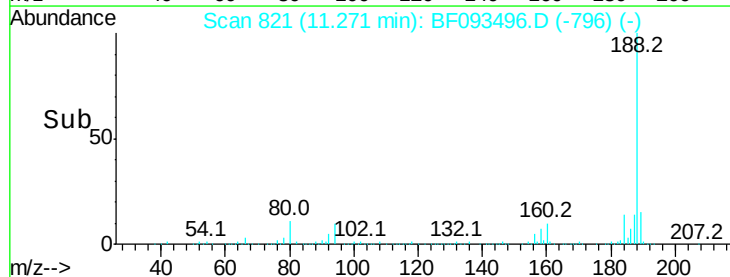
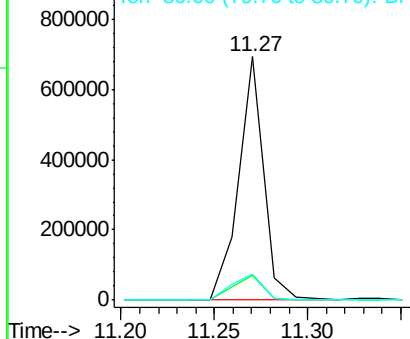


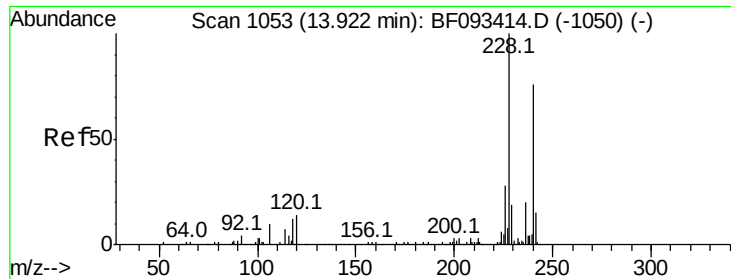
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.27 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF093496.D  
Acq: 10 Mar 2017 00:52

Tgt Ion:188 Resp: 649736  
Ion Ratio Lower Upper  
188 100  
94 10.2 10.0 15.0  
80 10.7 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

Instrument :

BNA\_F

ClientSampleId :

EME-BLEND8-1

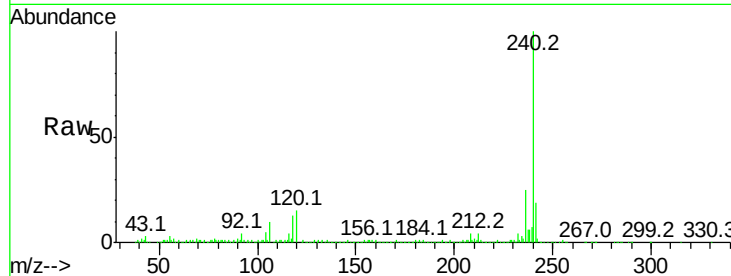
Tot Ion:240 Resp: 450848

Ion Ratio Lower Upper

240 100

120 14.8 12.9 19.3

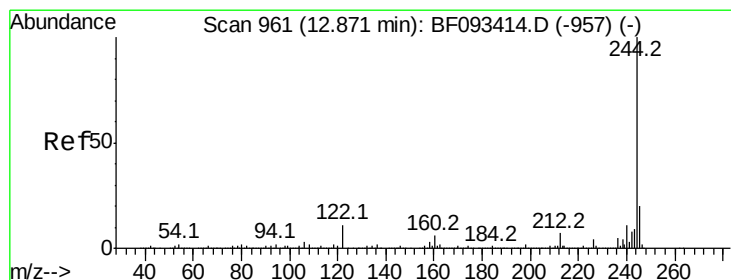
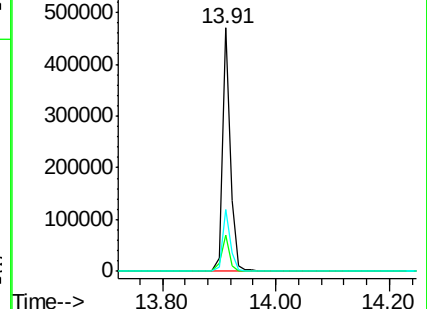
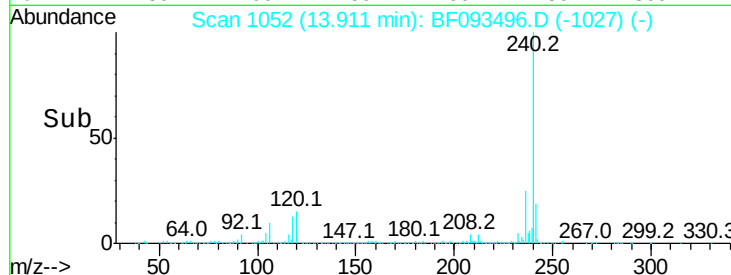
236 25.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 87.27 ng

RT: 12.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF093496.D

Acq: 10 Mar 2017 00:52

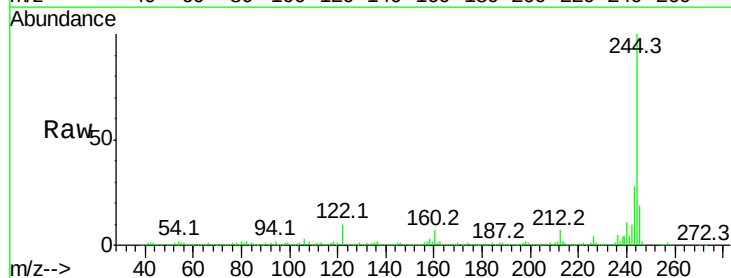
Tgt Ion:244 Resp: 1513327

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

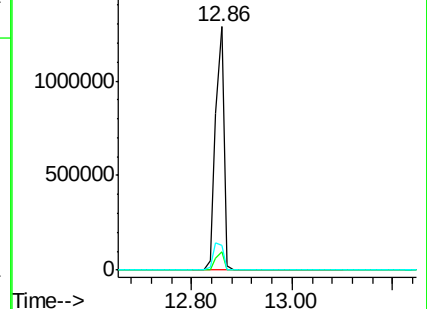
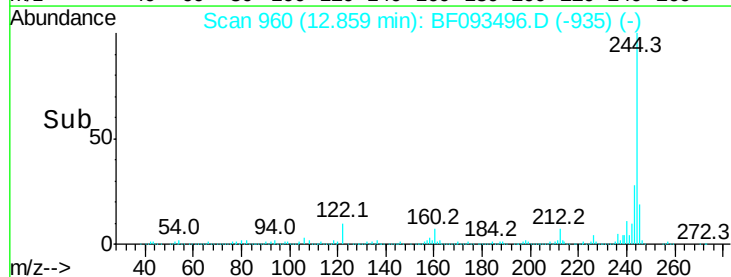
122 10.2 11.4 17.2#



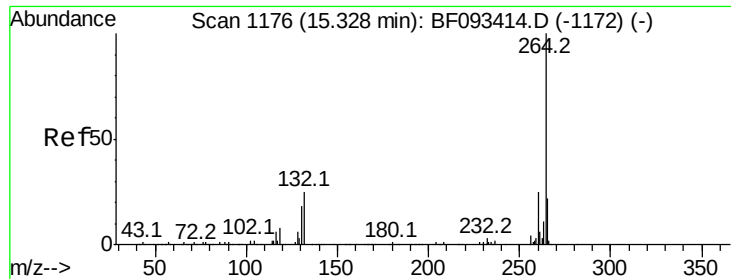
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.32 min Scan# 1175  
Delta R.T. -0.01 min  
Lab File: BF093496.D  
Acq: 10 Mar 2017 00:52

Instrument :  
BNA\_F  
ClientSampleId :  
EME-BLEND8-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.2  | 28.8  |
| 265     | 21.2  | 17.4  | 26.0  |

