

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\  
 Data File : BF092086.D  
 Acq On : 4 Jan 2017 23:41  
 Operator : UM/SJ  
 Sample : I1004-10  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-19

Quant Time: Jan 05 01:17:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 05 00:16:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 190098   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.94  | 136  | 786026   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 189733   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.17 | 188  | 300903   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.80 | 240  | 239798   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.18 | 264  | 425151   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 763328   | 67.05  | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 741171   | 53.32  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 1155016  | 81.71  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 270927   | 172.54 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 1288656  | 148.85 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.77 | 244  | 1190881  | 120.44 | ng    | 0.00     |

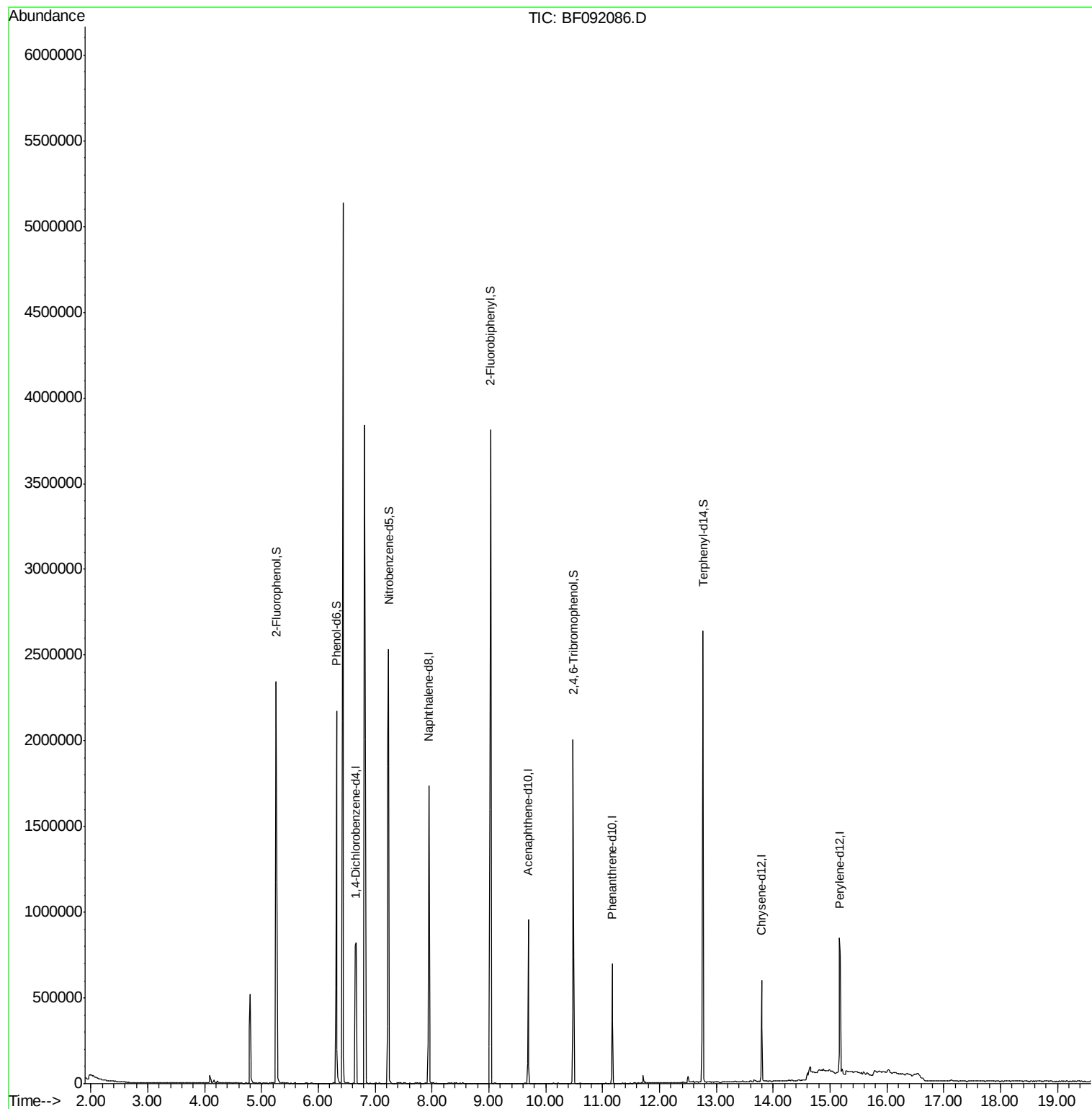
Target Compounds Qvalue

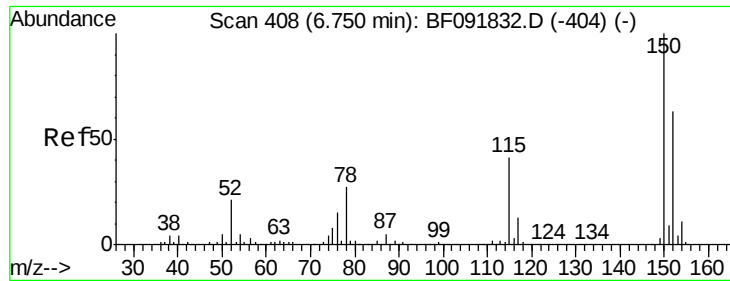
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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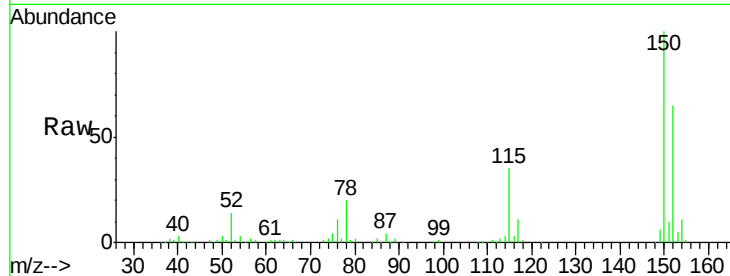


#1

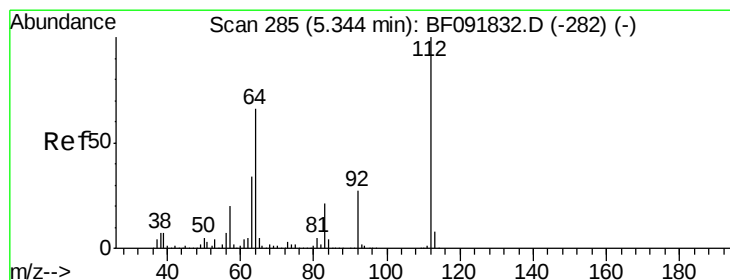
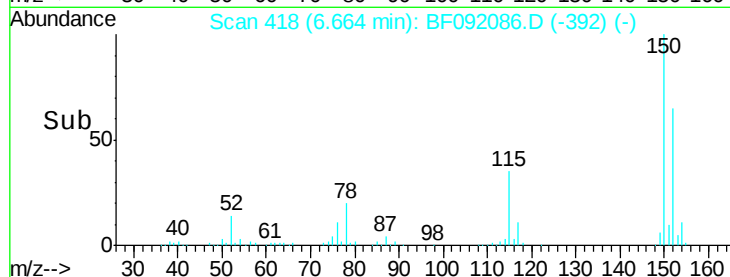
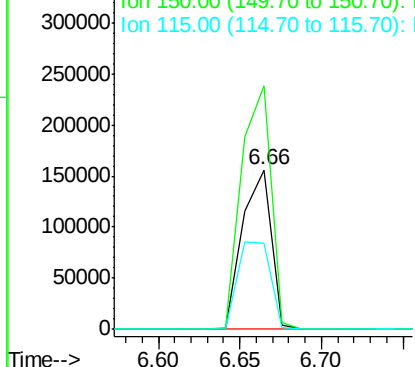
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 418  
Delta R.T. -0.00 min  
Lab File: BF092086.D  
Acq: 4 Jan 2017 23:41

Instrument :  
BNA\_F  
ClientSampleId :  
MW-19

Tot Ion:152 Resp: 190098  
Ion Ratio Lower Upper  
152 100  
150 152.8 124.9 187.3  
115 53.7 46.0 69.0



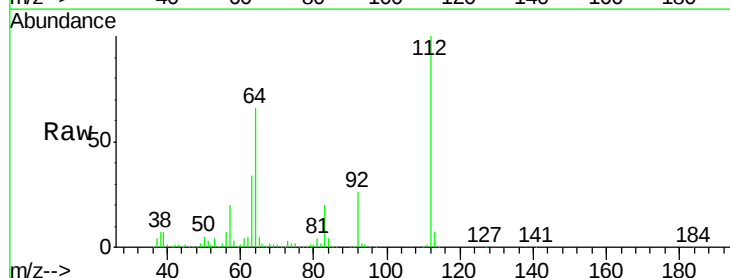
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



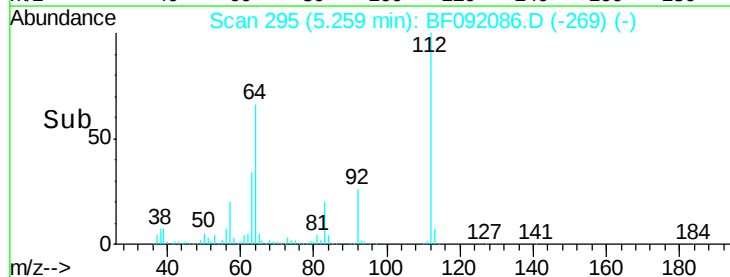
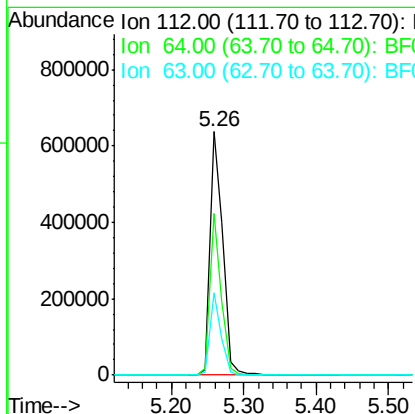
#5

2-Fluorophenol  
Concen: 67.05 ng  
RT: 5.26 min Scan# 295  
Delta R.T. -0.00 min  
Lab File: BF092086.D  
Acq: 4 Jan 2017 23:41

Tgt Ion:112 Resp: 763328  
Ion Ratio Lower Upper  
112 100  
64 66.5 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: 53.32 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092086.D

Acq: 4 Jan 2017 23:41

Instrument :

BNA\_F

ClientSampleId :

MW-19

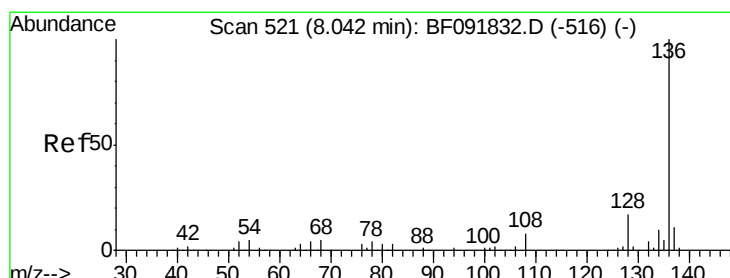
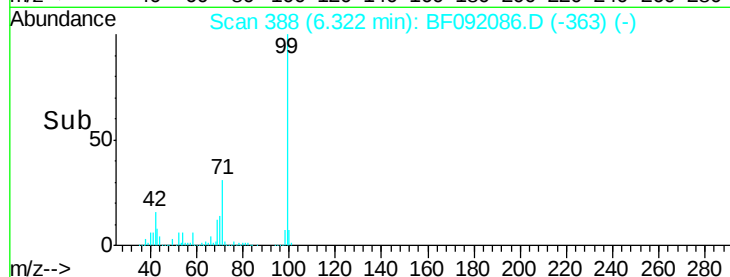
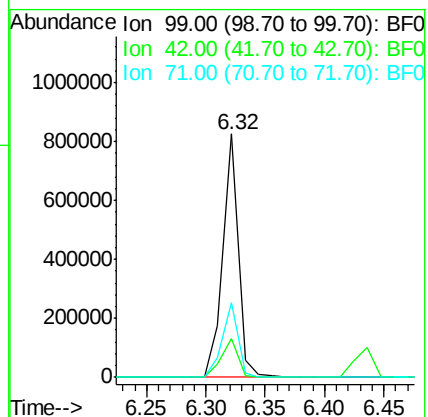
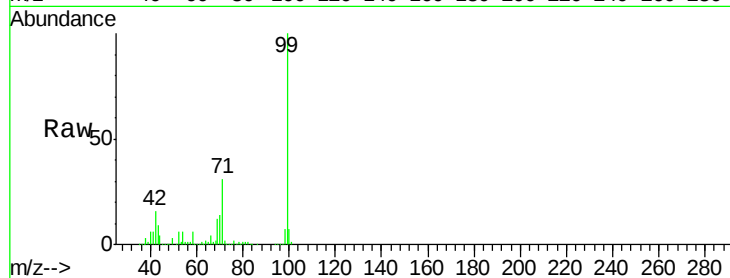
Tot Ion: 99 Resp: 741171

Ion Ratio Lower Upper

99 100

42 16.0 15.6 23.4

71 30.9 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092086.D

Acq: 4 Jan 2017 23:41

Tgt Ion: 136 Resp: 786026

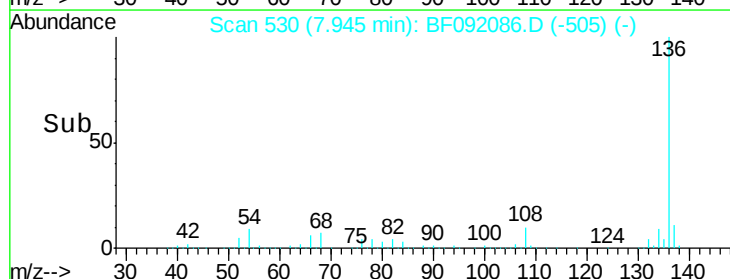
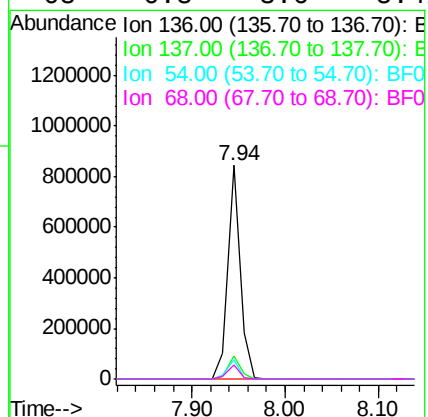
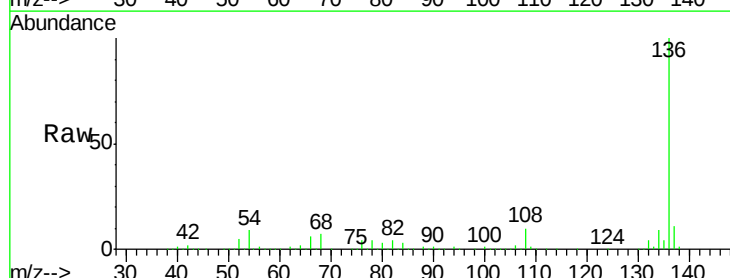
Ion Ratio Lower Upper

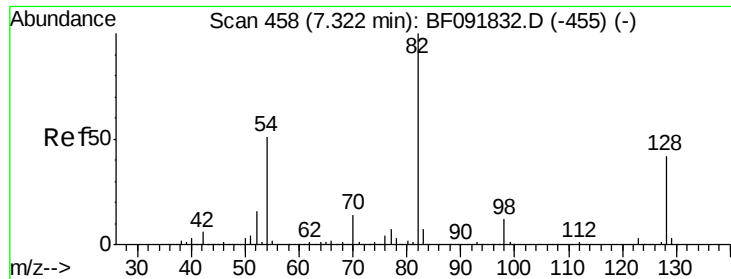
136 100

137 11.0 8.4 12.6

54 8.7 4.5 6.7#

68 6.8 3.6 5.4#

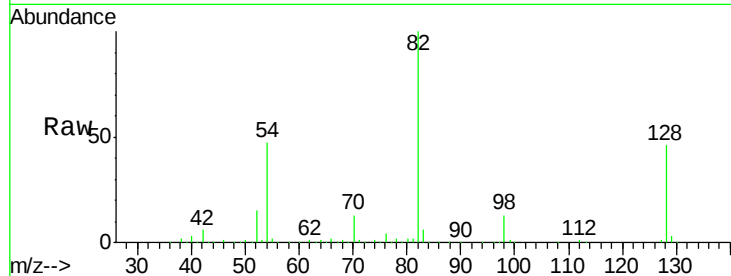




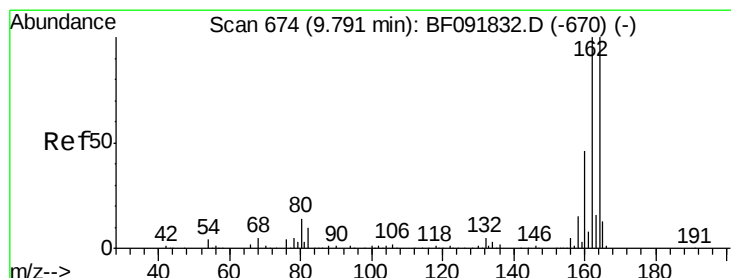
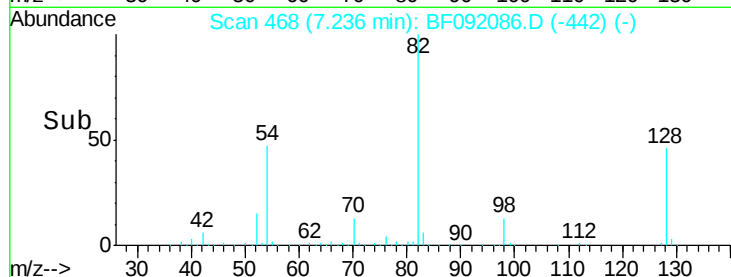
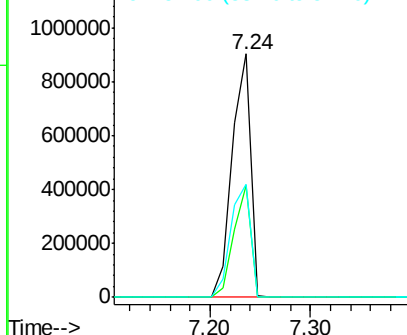
#23  
 Nitrobenzene-d5  
 Concen: 81.71 ng  
 RT: 7.24 min Scan# 468  
 Delta R.T. -0.00 min  
 Lab File: BF092086.D  
 Acq: 4 Jan 2017 23:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-19

Tot Ion: 82 Resp: 1155016  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 34.6 52.0  
 54 46.5 39.5 59.3

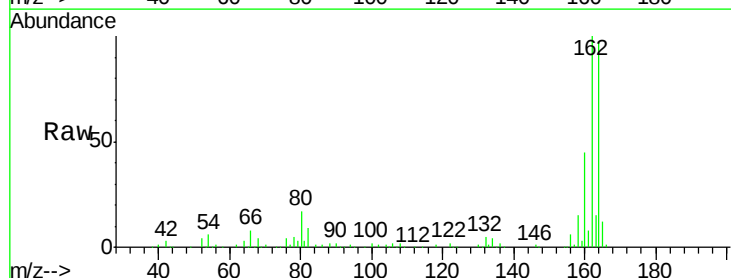


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

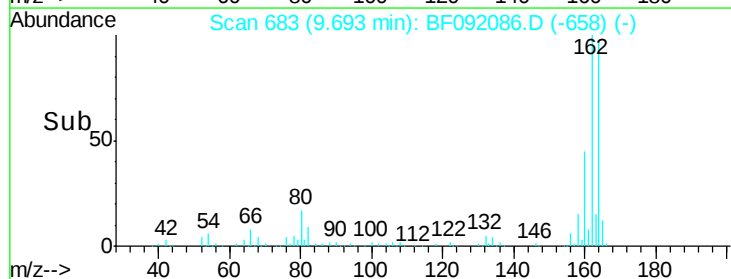
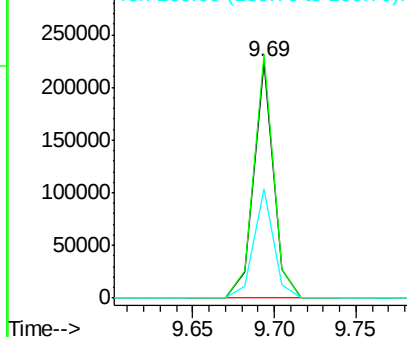


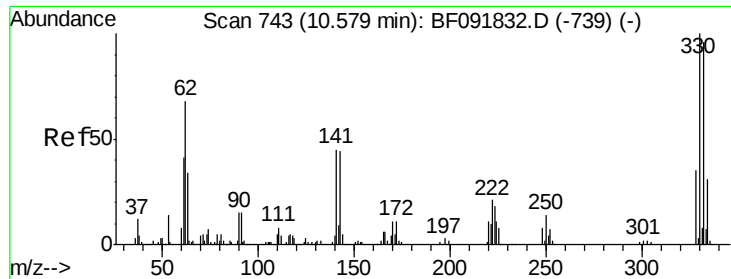
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.69 min Scan# 683  
 Delta R.T. -0.01 min  
 Lab File: BF092086.D  
 Acq: 4 Jan 2017 23:41

Tgt Ion:164 Resp: 189733  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 80.2 120.2  
 160 46.0 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

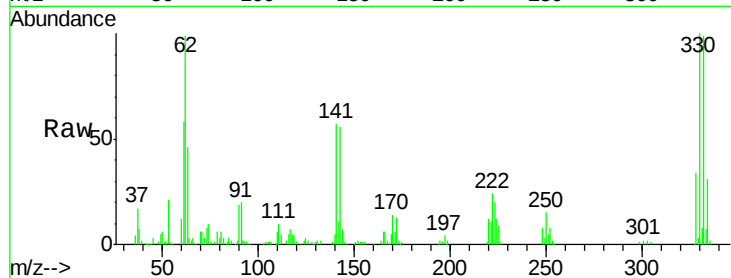




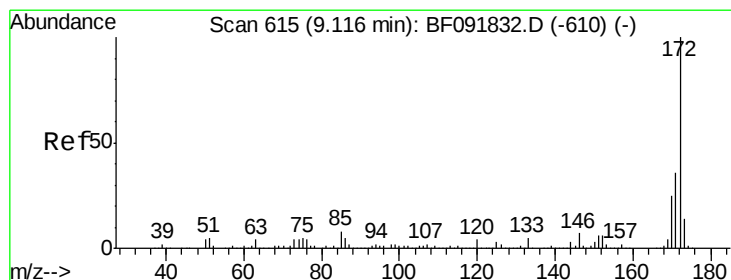
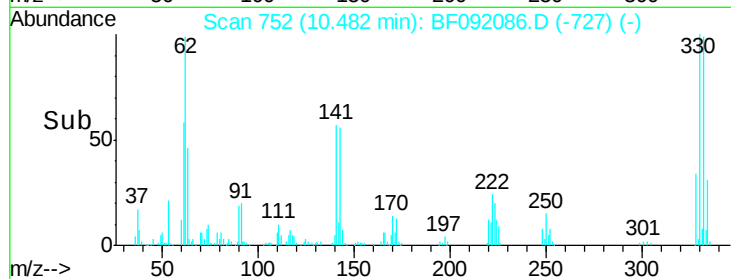
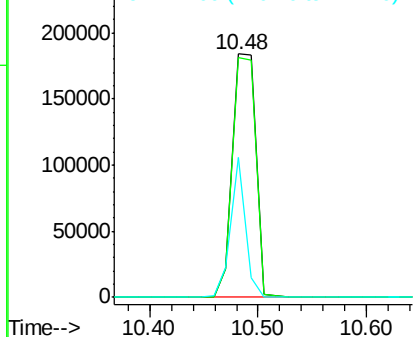
#41  
 2,4,6-Tribromophenol  
 Concen: 172.54 ng  
 RT: 10.48 min Scan# 752  
 Delta R.T. -0.01 min  
 Lab File: BF092086.D  
 Acq: 4 Jan 2017 23:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-19

Tot Ion:330 Resp: 270927  
 Ion Ratio Lower Upper  
 330 100  
 332 98.4 77.4 116.2  
 141 36.7 34.1 51.1

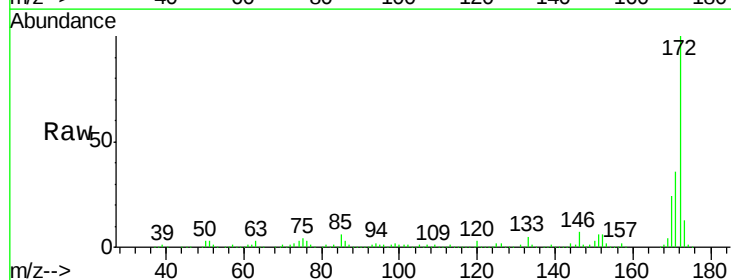


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

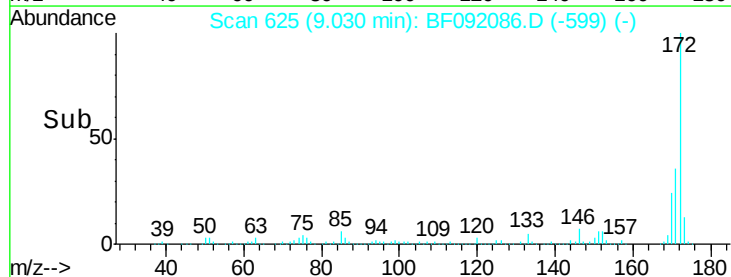
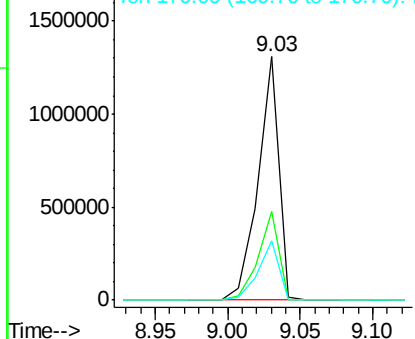


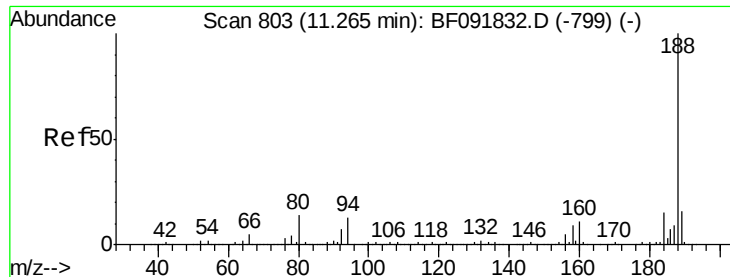
#44  
 2-Fluorobiphenyl  
 Concen: 148.85 ng  
 RT: 9.03 min Scan# 625  
 Delta R.T. -0.00 min  
 Lab File: BF092086.D  
 Acq: 4 Jan 2017 23:41

Tgt Ion:172 Resp: 1288656  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.0  
 170 24.5 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

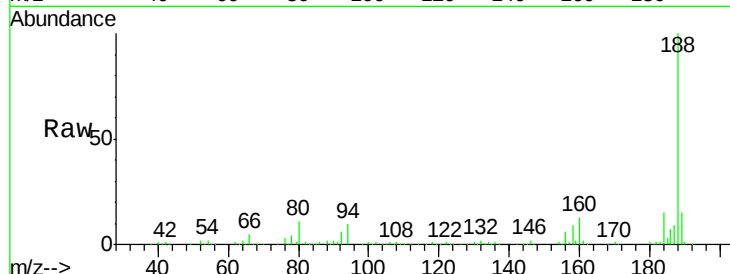




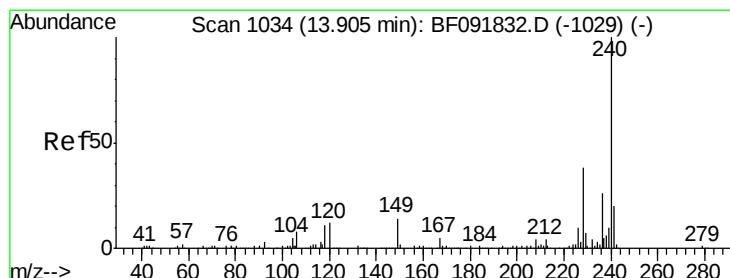
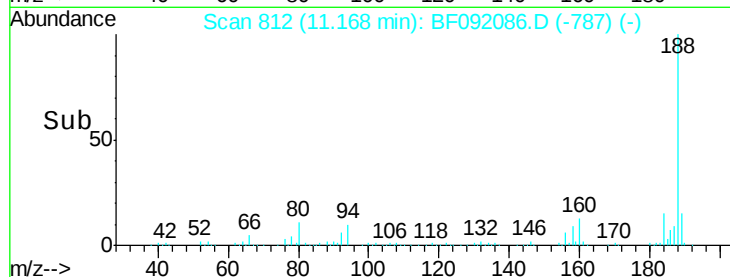
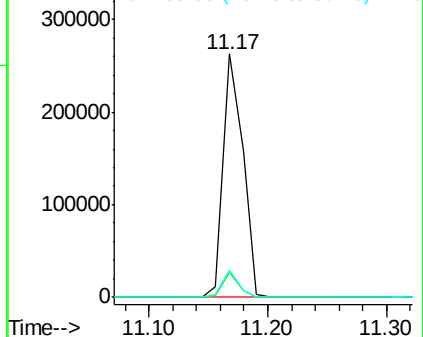
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.17 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF092086.D  
Acq: 4 Jan 2017 23:41

Instrument :  
BNA\_F  
ClientSampleId :  
MW-19

Tot Ion:188 Resp: 300903  
Ion Ratio Lower Upper  
188 100  
94 9.9 10.0 15.0#  
80 11.2 11.2 16.8#

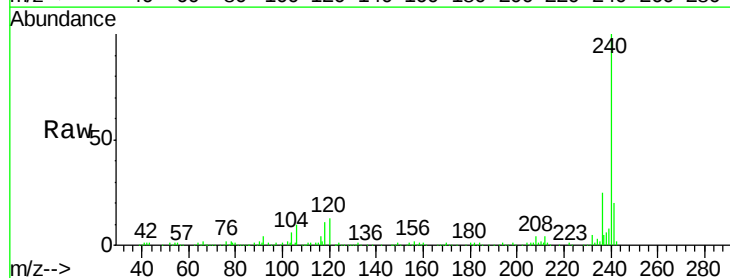


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

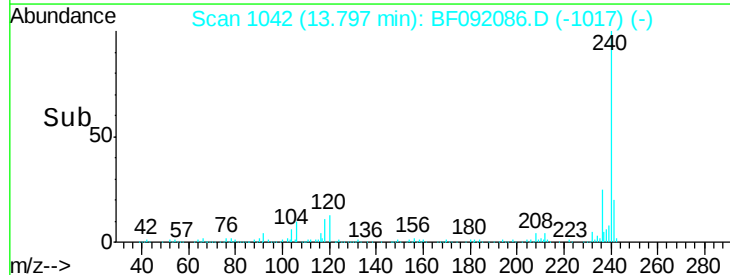
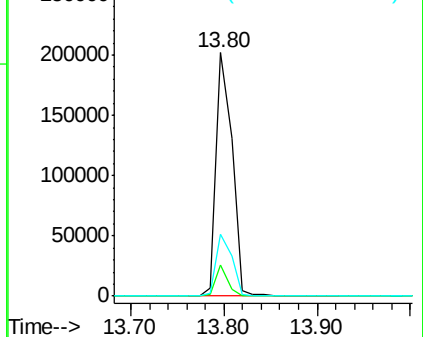


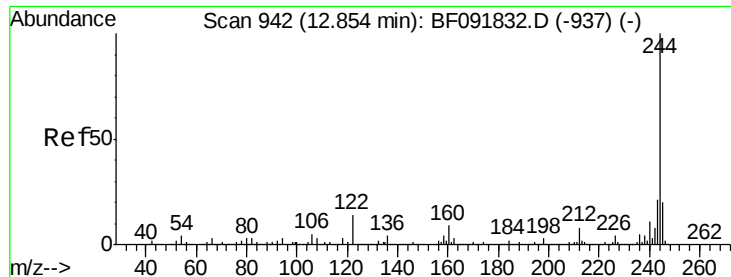
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.80 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF092086.D  
Acq: 4 Jan 2017 23:41

Tgt Ion:240 Resp: 239798  
Ion Ratio Lower Upper  
240 100  
120 13.0 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: 120.44 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092086.D

Acq: 4 Jan 2017 23:41

Instrument :

BNA\_F

ClientSampleId :

MW-19

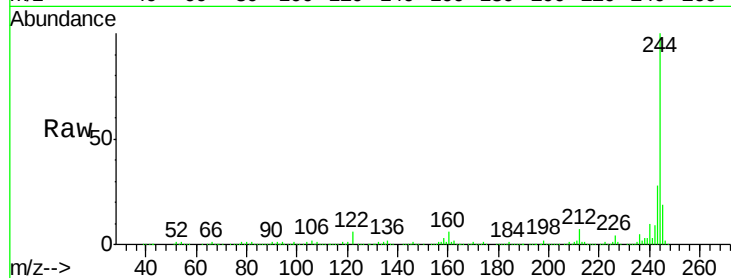
Tot Ion:244 Resp: 1190881

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

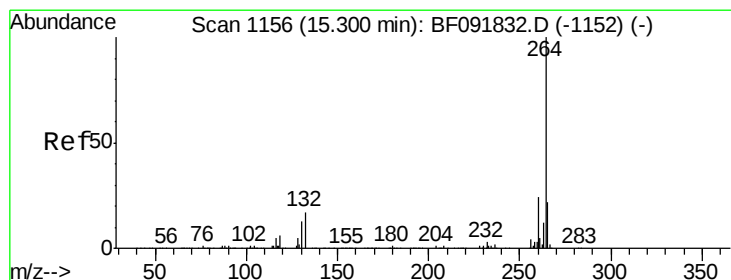
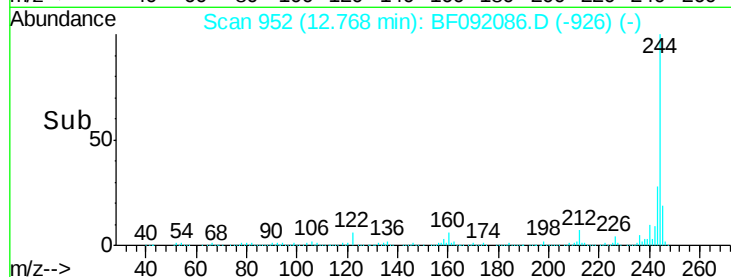
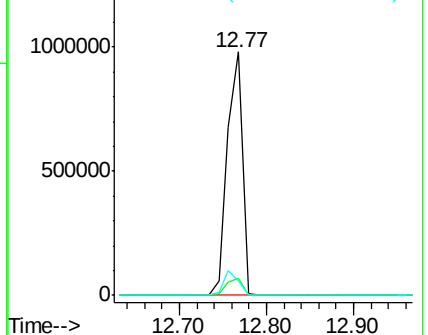
122 6.2 11.4 17.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF092086.D

Acq: 4 Jan 2017 23:41

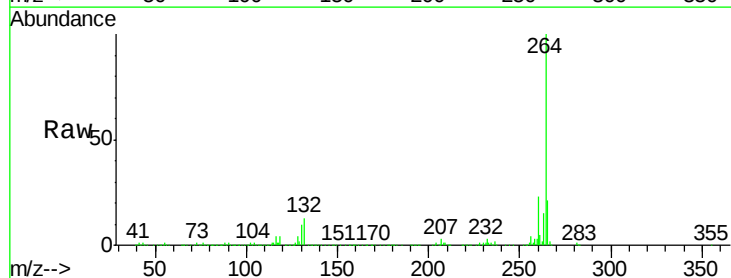
Tgt Ion:264 Resp: 425151

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 20.9 17.4 26.0



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

