

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\  
 Data File : BF091089.D  
 Acq On : 8 Nov 2016 18:33  
 Operator : UM/SJ  
 Sample : H5581-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW27

Quant Time: Nov 09 02:23:07 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 171966   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 712158   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.70  | 164  | 380730   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.17 | 188  | 624472   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.80 | 240  | 509275   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.17 | 264  | 377243   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 628310   | 60.34  | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 545597   | 38.60  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1147978  | 87.93  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 454641   | 132.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 1887213  | 85.34  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.76 | 244  | 1907855  | 93.48  | ng    | 0.00     |

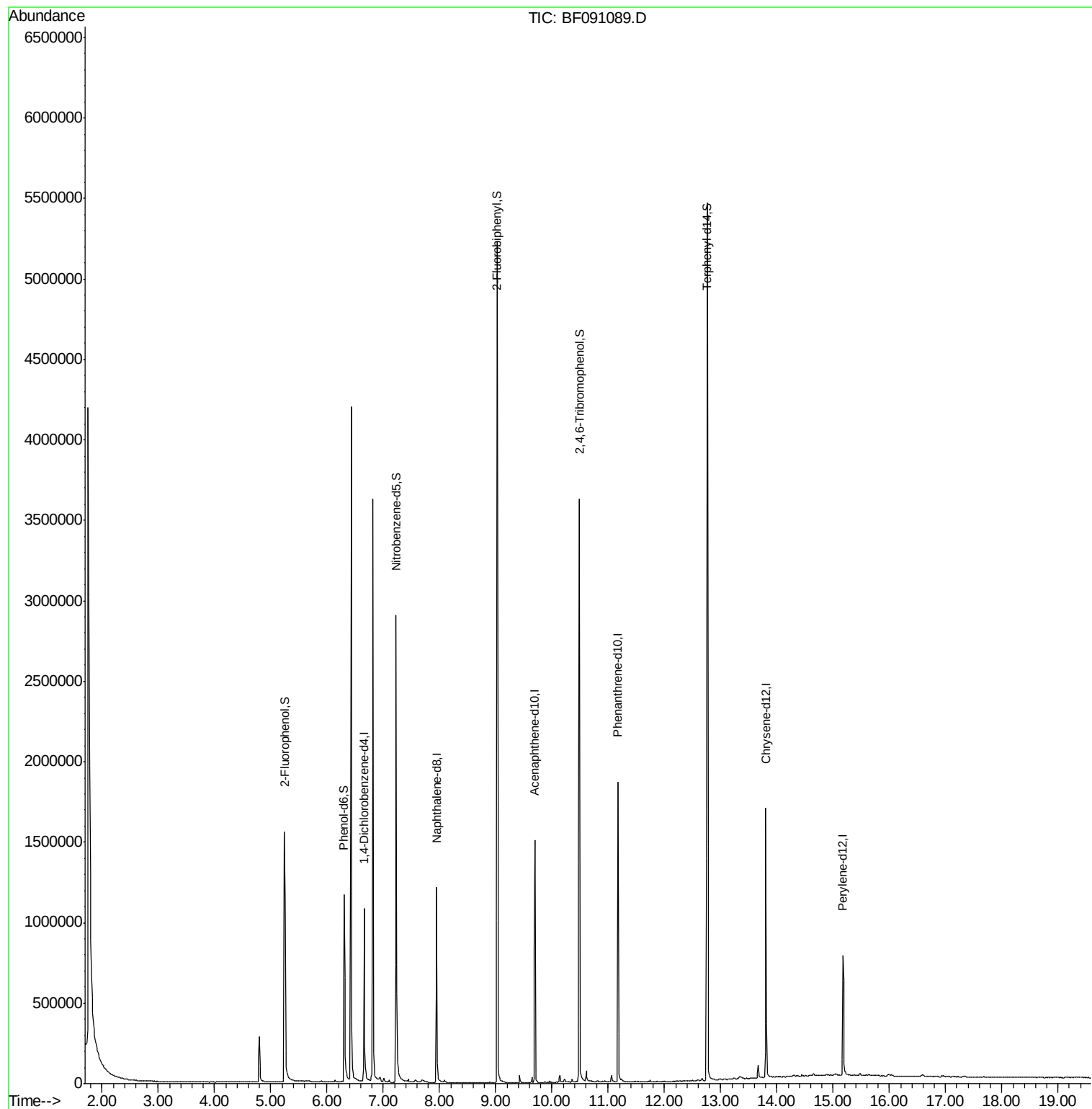
Target Compounds Qvalue

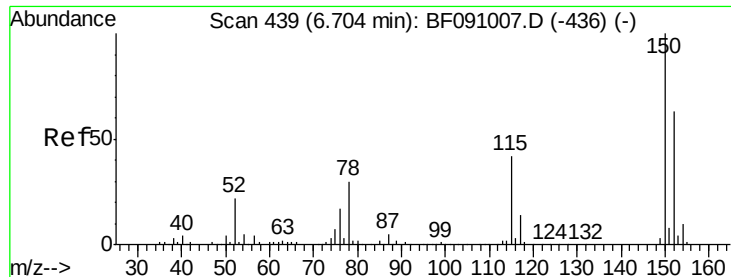
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\  
Data File : BF091089.D  
Acq On : 8 Nov 2016 18:33  
Operator : UM/SJ  
Sample : H5581-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW27

Quant Time: Nov 09 02:23:07 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 12:59:29 2016  
Response via : Initial Calibration



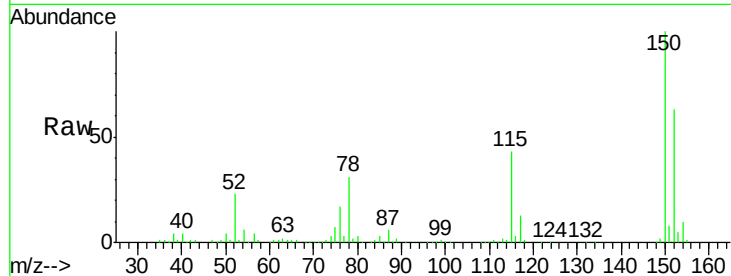


#1

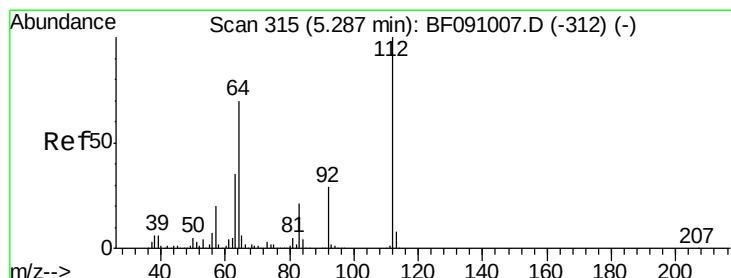
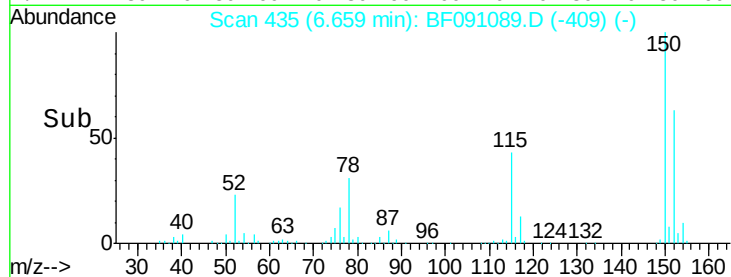
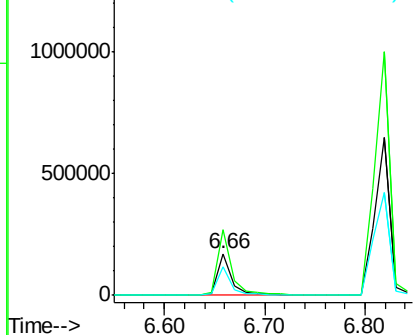
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 435  
Delta R.T. -0.00 min  
Lab File: BF091089.D  
Acq: 8 Nov 2016 18:33

Instrument :  
BNA\_F  
ClientSampled :  
MW27

Tot Ion:152 Resp: 171966  
Ion Ratio Lower Upper  
152 100  
150 158.3 126.8 190.2  
115 67.5 53.3 79.9



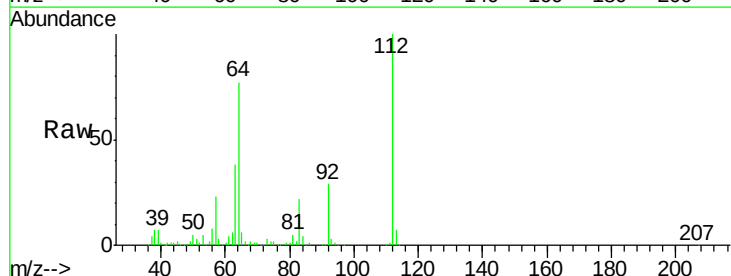
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



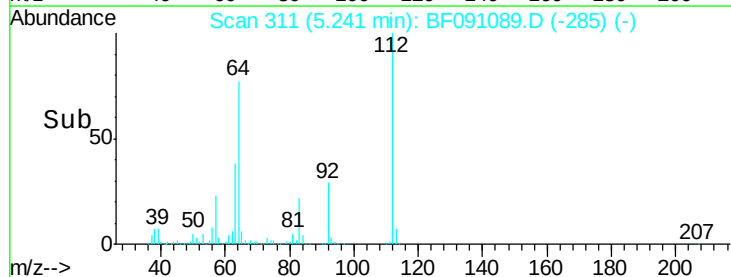
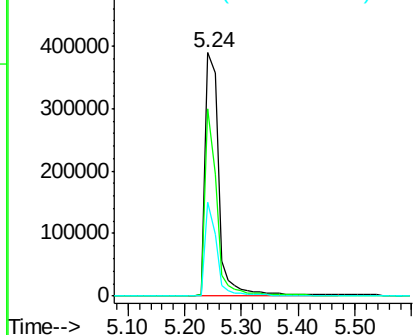
#5

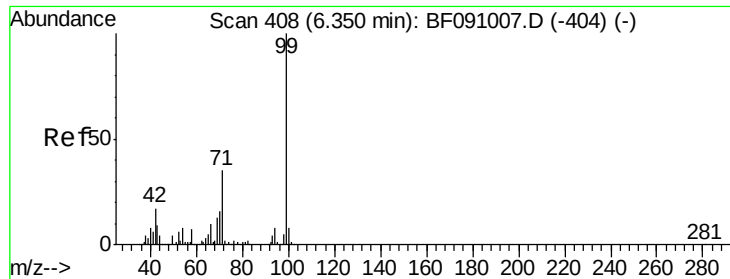
2-Fluorophenol  
Concen: 60.34 ng  
RT: 5.24 min Scan# 311  
Delta R.T. -0.00 min  
Lab File: BF091089.D  
Acq: 8 Nov 2016 18:33

Tgt Ion:112 Resp: 628310  
Ion Ratio Lower Upper  
112 100  
64 76.7 55.8 83.6  
63 38.5 28.0 42.0



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: 38.60 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091089.D

Acq: 8 Nov 2016 18:33

Instrument :

BNA\_F

ClientSampled :

MW27

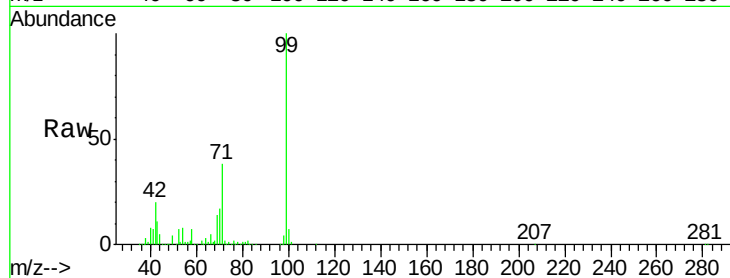
Tot Ion: 99 Resp: 545597

Ion Ratio Lower Upper

99 100

42 20.5 13.9 20.9

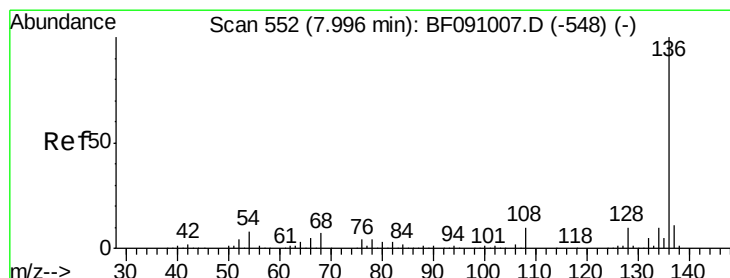
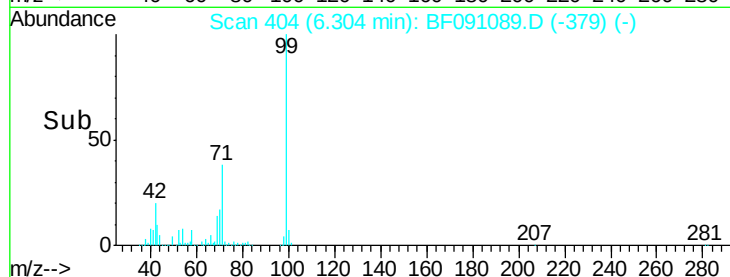
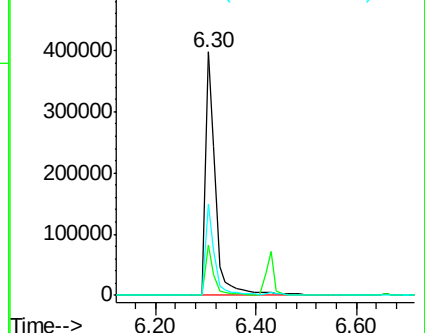
71 37.6 27.8 41.8



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: 7.95 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF091089.D

Acq: 8 Nov 2016 18:33

Tgt Ion: 136 Resp: 712158

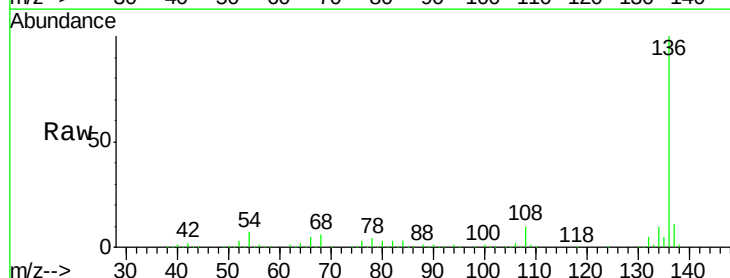
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 6.2 9.2

68 6.3 5.5 8.3

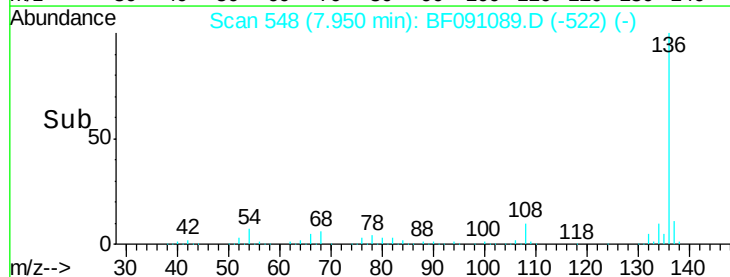
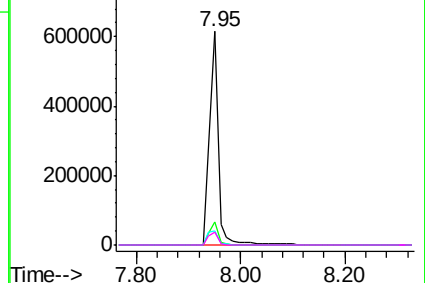


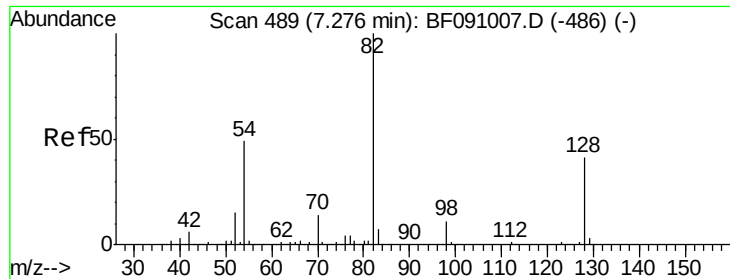
Abundance Ion 136.00 (135.70 to 136.70): E

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

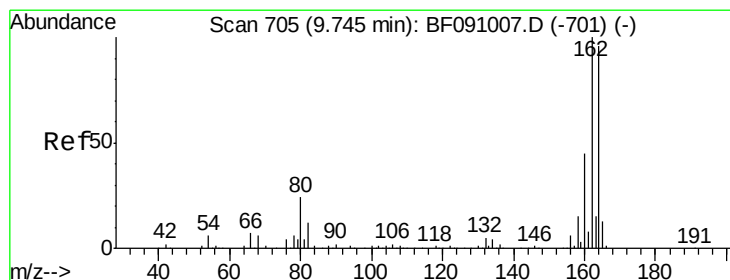
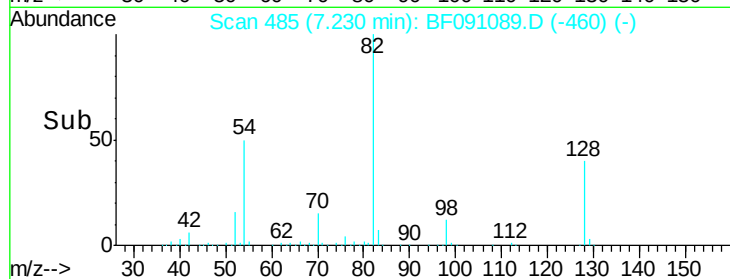
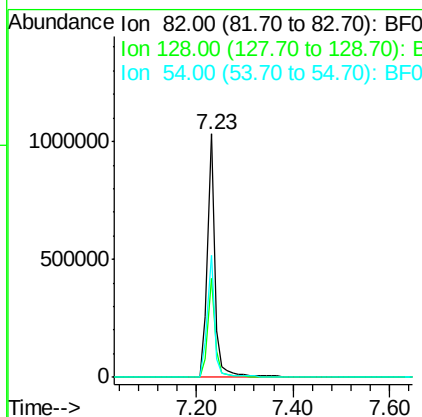
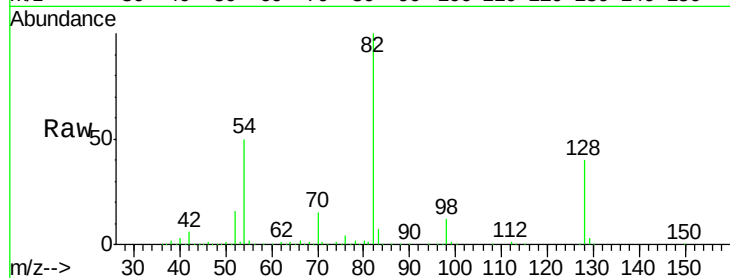




#23  
 Nitrobenzene-d5  
 Concen: 87.93 ng  
 RT: 7.23 min Scan# 485  
 Delta R.T. -0.01 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

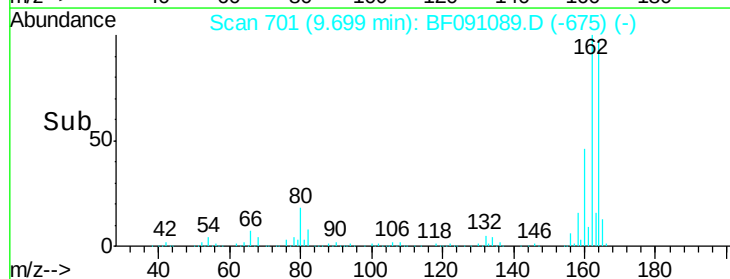
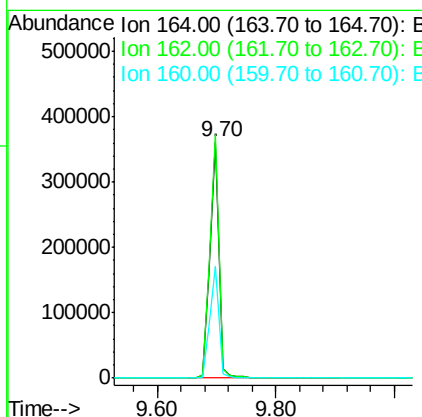
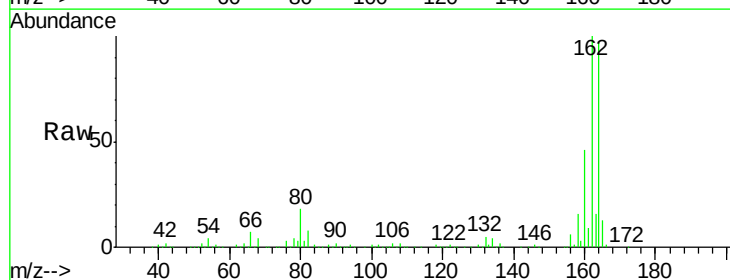
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW27

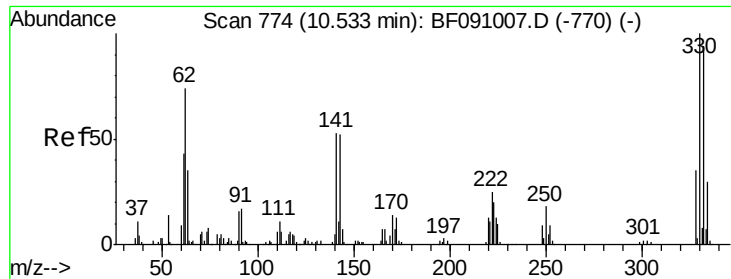
Tot Ion: 82 Resp: 1147978  
 Ion Ratio Lower Upper  
 82 100  
 128 40.4 32.4 48.6  
 54 49.9 39.2 58.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.70 min Scan# 701  
 Delta R.T. -0.00 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

Tgt Ion: 164 Resp: 380730  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 83.6 125.4  
 160 47.5 37.9 56.9

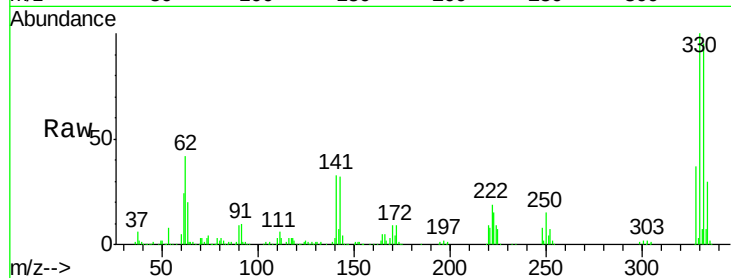




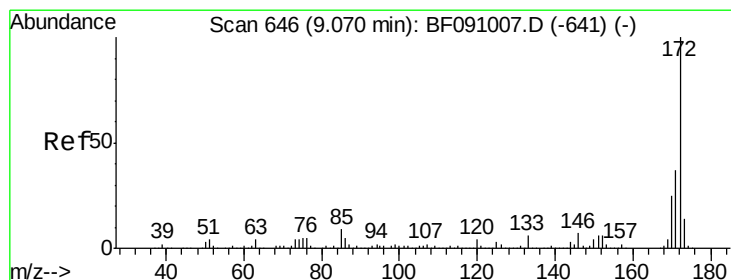
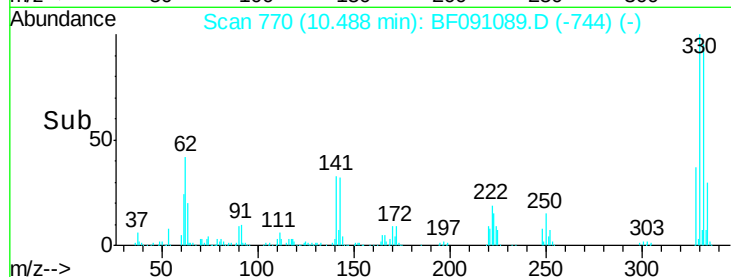
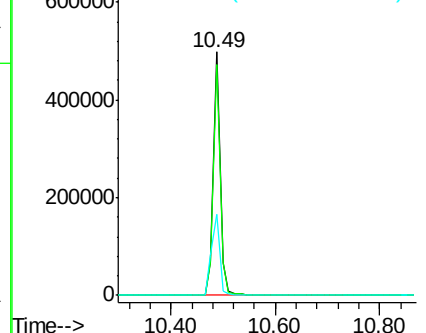
#41  
 2,4,6-Tribromophenol  
 Concen: 132.08 ng  
 RT: 10.49 min Scan# 770  
 Delta R.T. -0.00 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW27

Tot Ion:330 Resp: 454641  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 75.9 113.9  
 141 41.0 36.1 54.1

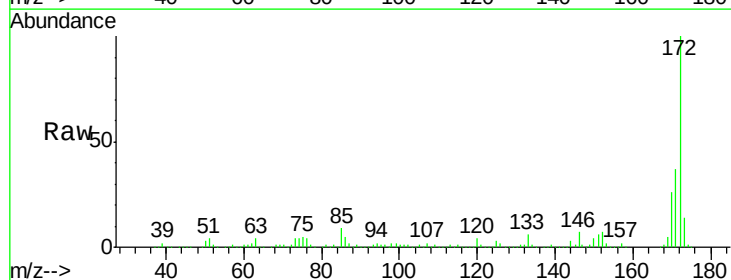


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

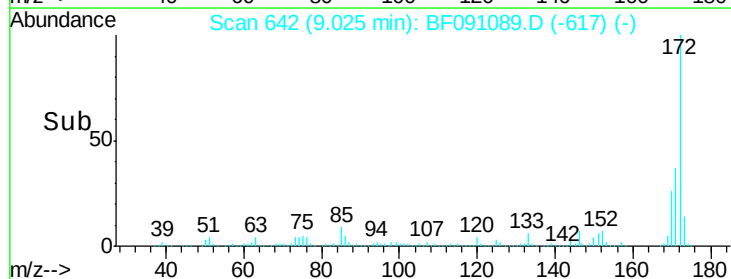
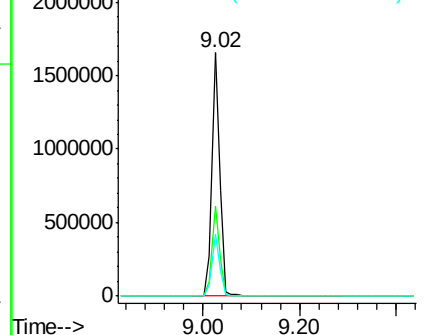


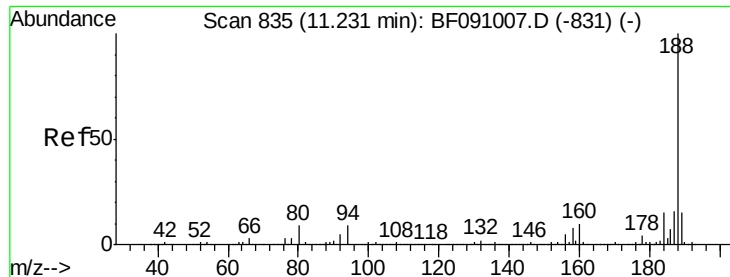
#44  
 2-Fluorobiphenyl  
 Concen: 85.34 ng  
 RT: 9.02 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

Tgt Ion:172 Resp: 1887213  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.8 44.6  
 170 25.5 20.3 30.5



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

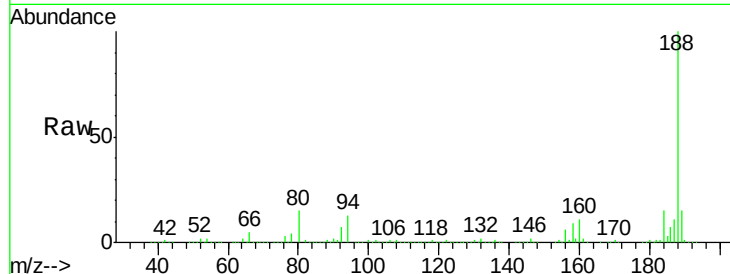




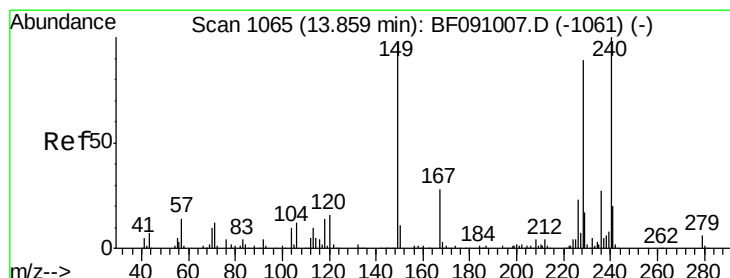
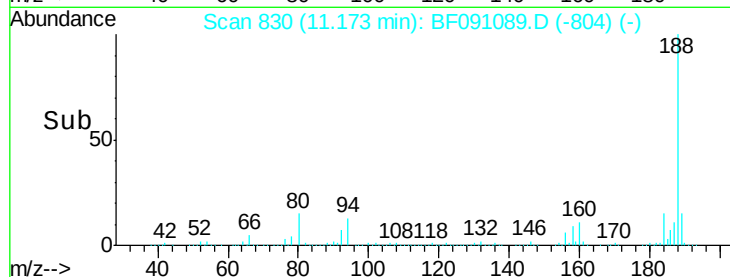
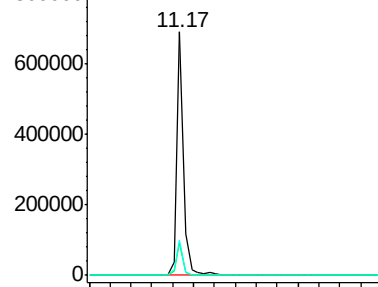
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BF091089.D  
Acq: 8 Nov 2016 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
MW27

Tot Ion:188 Resp: 624472  
Ion Ratio Lower Upper  
188 100  
94 13.1 7.0 10.4#  
80 14.6 7.5 11.3#

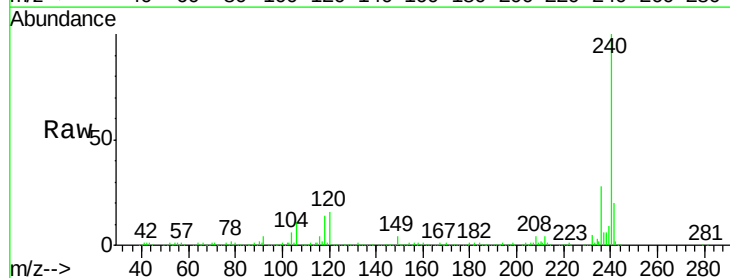


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

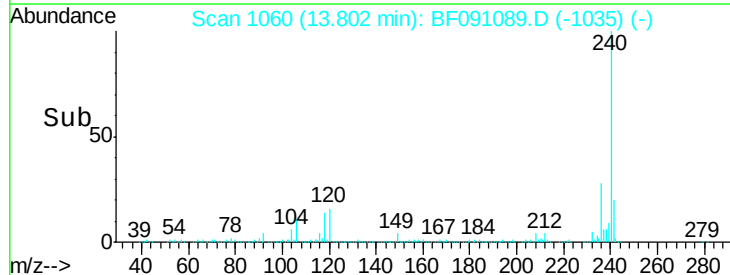
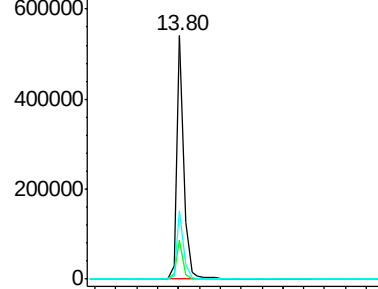


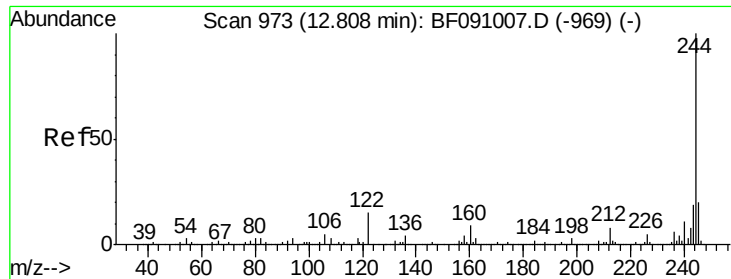
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.80 min Scan# 1060  
Delta R.T. -0.01 min  
Lab File: BF091089.D  
Acq: 8 Nov 2016 18:33

Tgt Ion:240 Resp: 509275  
Ion Ratio Lower Upper  
240 100  
120 16.0 12.9 19.3  
236 27.8 21.9 32.9



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

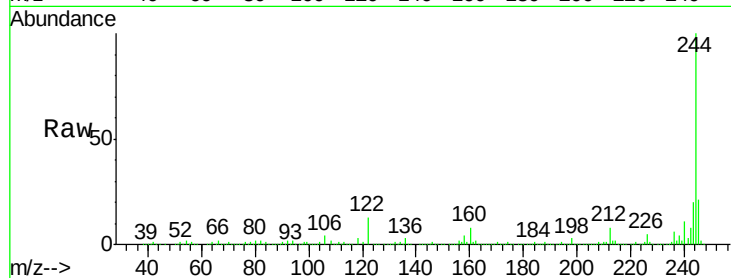




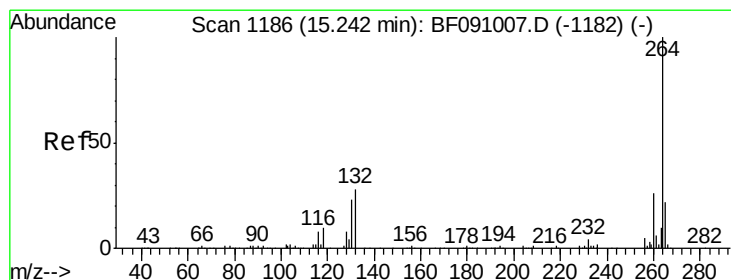
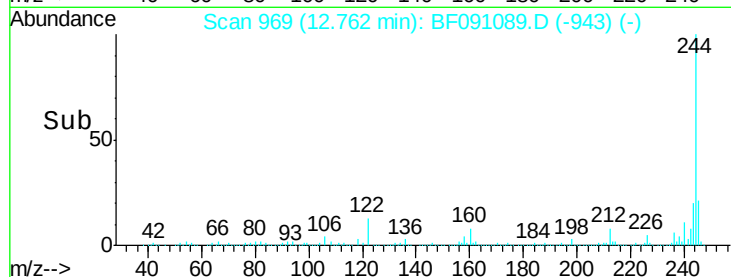
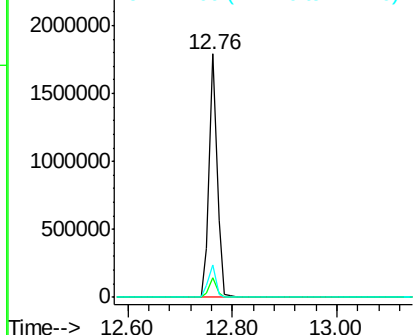
#78  
 Terphenyl-d14  
 Concen: 93.48 ng  
 RT: 12.76 min Scan# 969  
 Delta R.T. -0.00 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW27

Tot Ion:244 Resp: 1907855  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.4 9.6  
 122 13.1 12.3 18.5

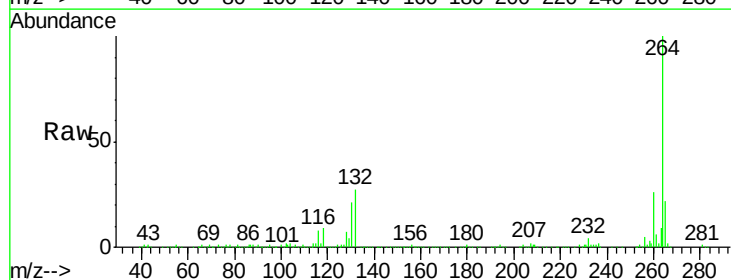


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF091089.D  
 Acq: 8 Nov 2016 18:33

Tgt Ion:264 Resp: 377243  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 20.6 30.8  
 265 22.0 17.8 26.8



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

