

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\  
 Data File : BF090719.D  
 Acq On : 21 Oct 2016 19:08  
 Operator : UM/SJ  
 Sample : PB94209BL  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

Quant Time: Oct 21 23:54:56 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 21 17:36:31 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 222513   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.14  | 136  | 937644   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 497813   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 806165   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.02 | 240  | 614493   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.45 | 264  | 419750   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1904775  | 138.06 | ng    | 0.02     |
| 7) Phenol-d6                | 6.50  | 99   | 2446110  | 130.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1671898  | 97.80  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 606557   | 153.94 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2466390  | 76.91  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.97 | 244  | 2449664  | 91.36  | ng    | 0.00     |

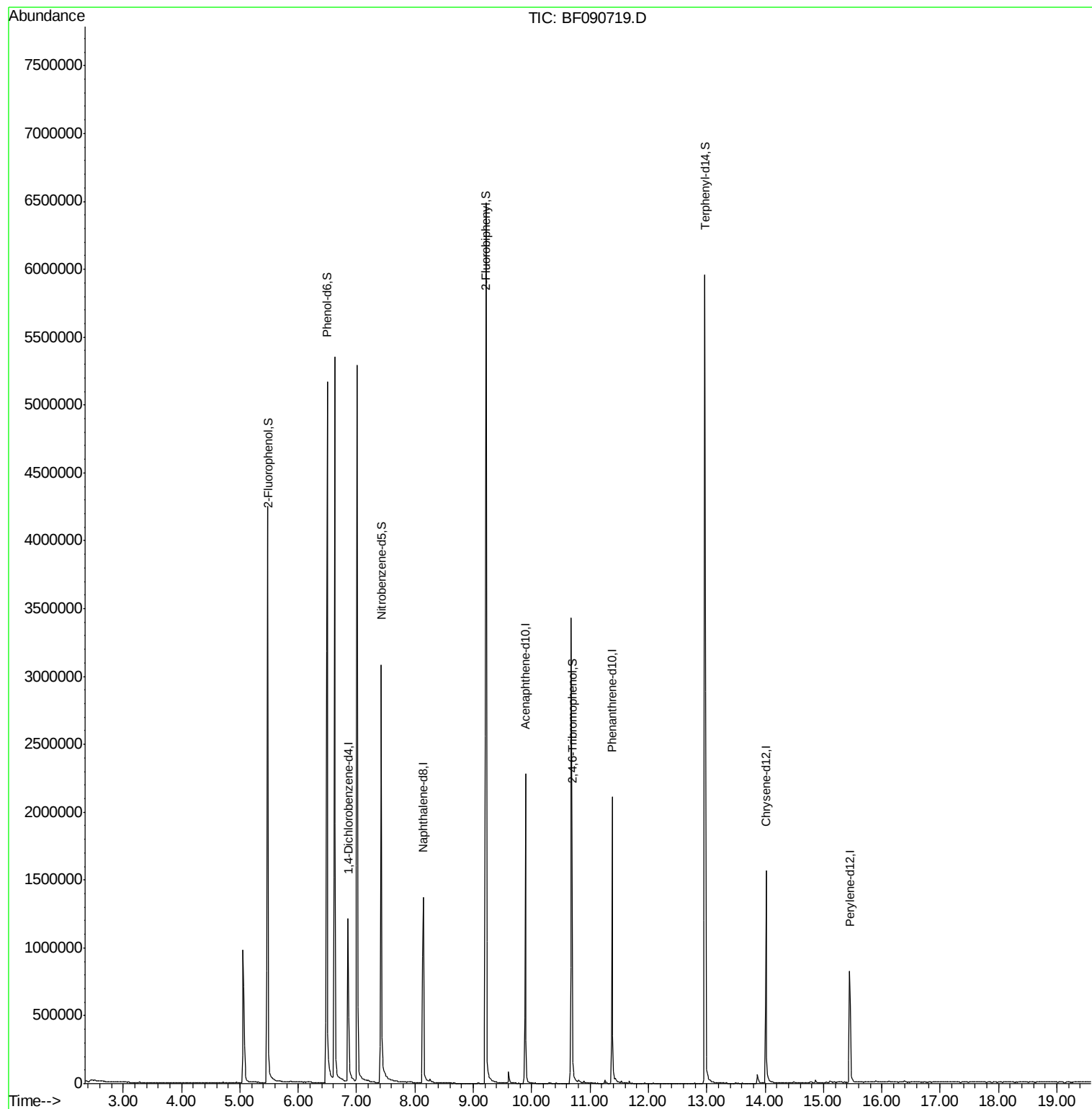
Target Compounds Qvalue

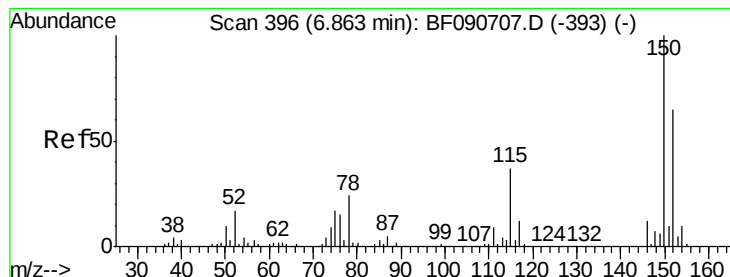
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 63 Sample Multiplier: 1

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QLast Update : Fri Oct 21 17:36:31 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090719.D

Acq: 21 Oct 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

PB94209BL

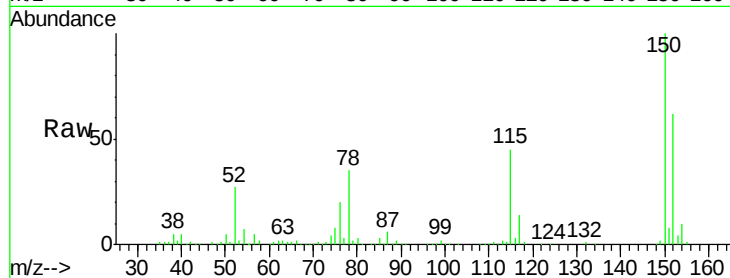
Tot Ion:152 Resp: 222513

Ion Ratio Lower Upper

152 100

150 160.1 124.7 187.1

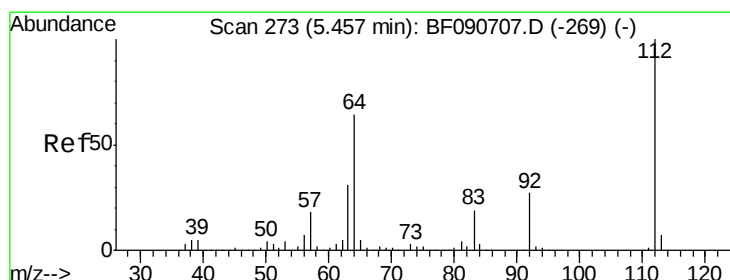
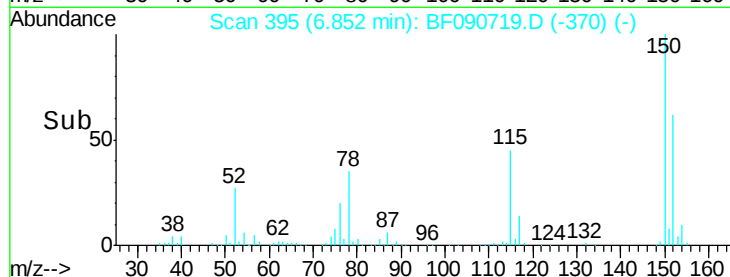
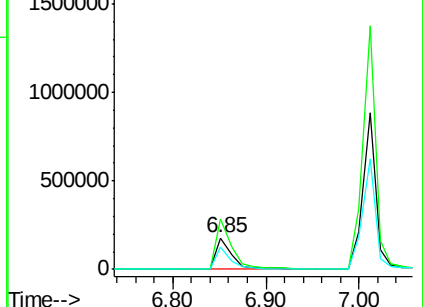
115 72.8 39.0 58.4#



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: 138.06 ng

RT: 5.48 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF090719.D

Acq: 21 Oct 2016 19:08

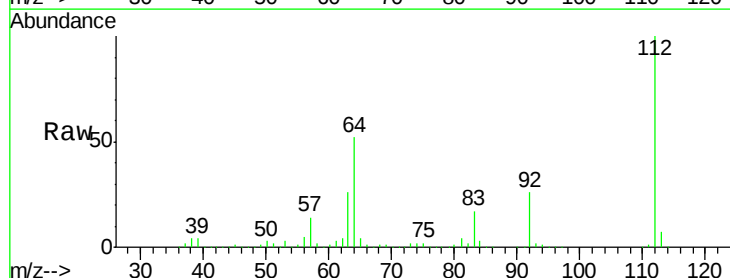
Tgt Ion:112 Resp: 1904775

Ion Ratio Lower Upper

112 100

64 52.5 39.7 59.5

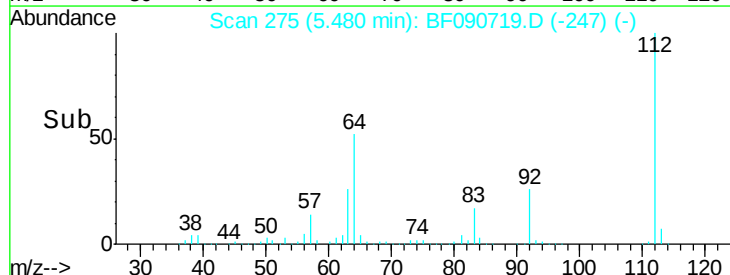
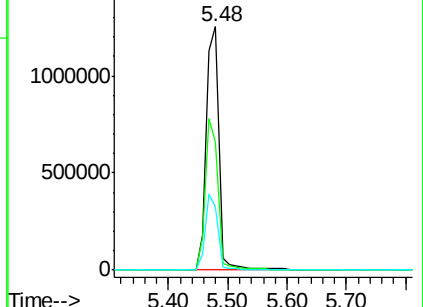
63 25.9 17.4 26.0



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: 130.89 ng

RT: 6.50 min Scan# 364

Delta R.T. 0.00 min

Lab File: BF090719.D

Acq: 21 Oct 2016 19:08

Instrument :

BNA\_F

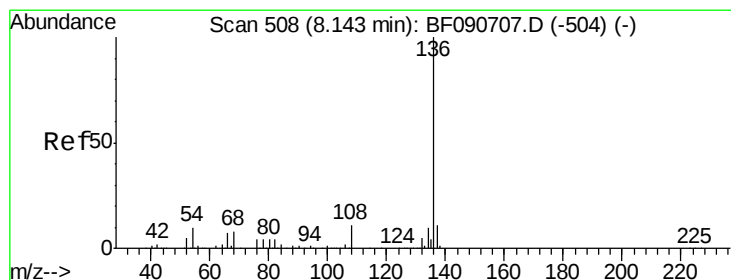
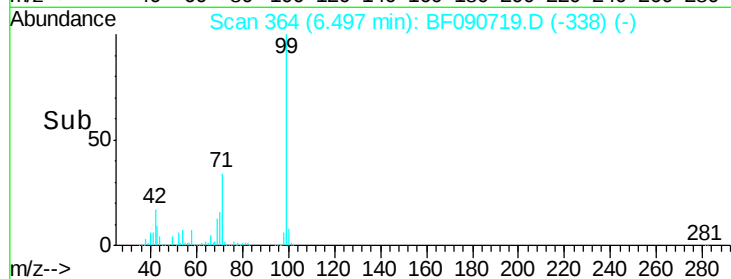
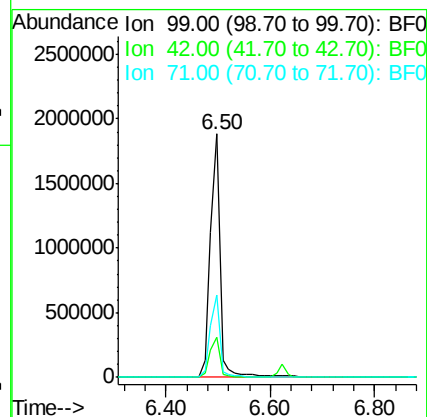
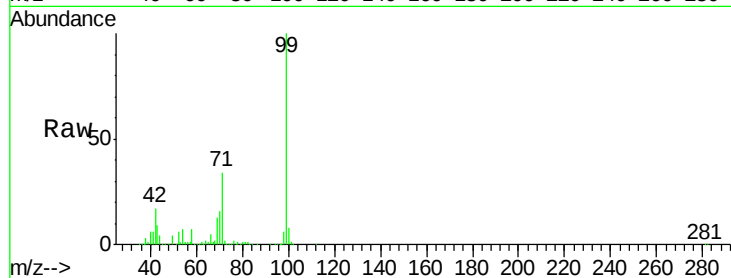
ClientSampleId :

PB94209BL

Tot Ion: 99 Resp: 2446110

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.5  | 13.7  | 20.5  |
| 71  | 34.0  | 14.2  | 21.2  |

|    |      |      |      |
|----|------|------|------|
| 99 | 100  |      |      |
| 42 | 16.5 | 13.7 | 20.5 |
| 71 | 34.0 | 14.2 | 21.2 |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.00 min

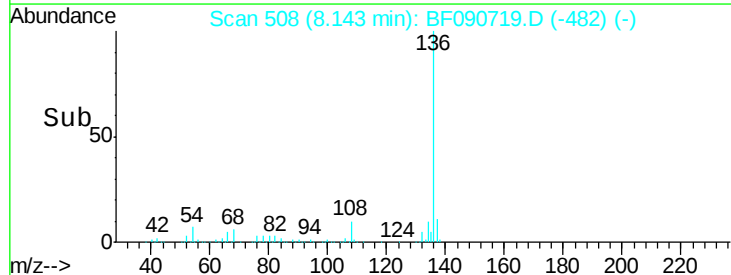
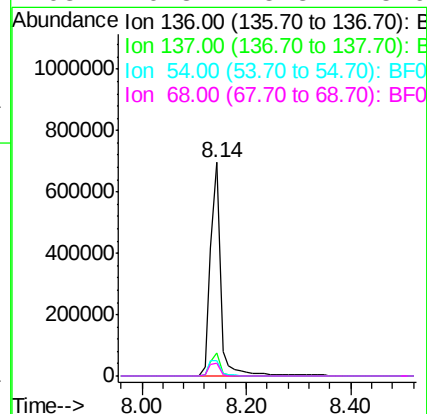
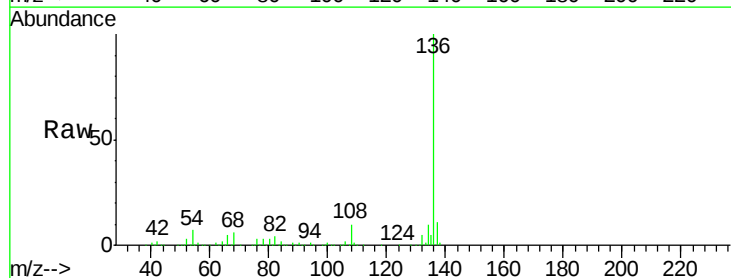
Lab File: BF090719.D

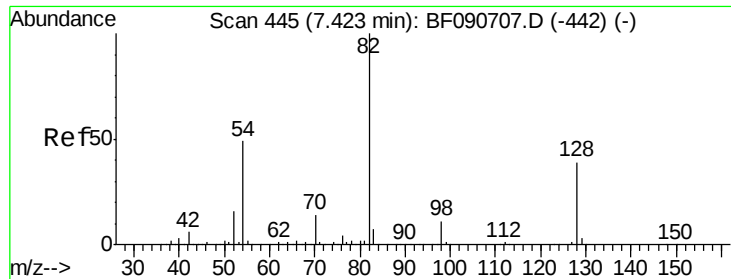
Acq: 21 Oct 2016 19:08

Tgt Ion: 136 Resp: 937644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.0   | 13.6  |
| 54  | 7.5   | 8.2   | 12.2  |
| 68  | 6.3   | 5.8   | 8.6   |

|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 10.8 | 9.0 | 13.6 |
| 54  | 7.5  | 8.2 | 12.2 |
| 68  | 6.3  | 5.8 | 8.6  |

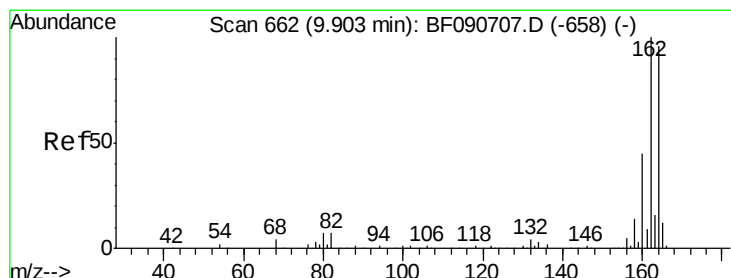
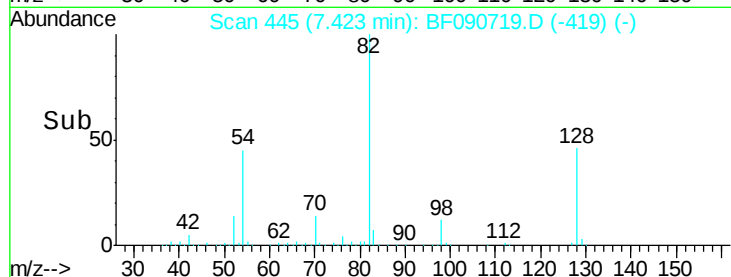
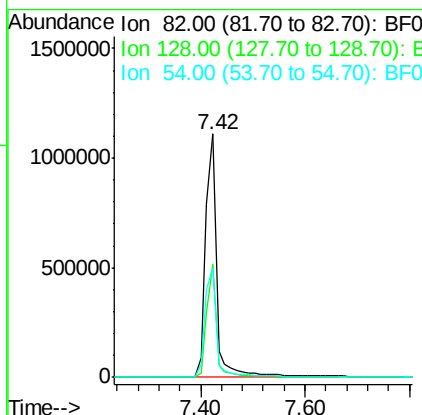
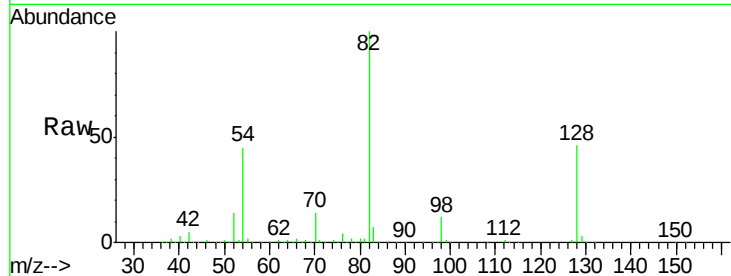




#23  
 Nitrobenzene-d5  
 Concen: 97.80 ng  
 RT: 7.42 min Scan# 445  
 Delta R.T. 0.00 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

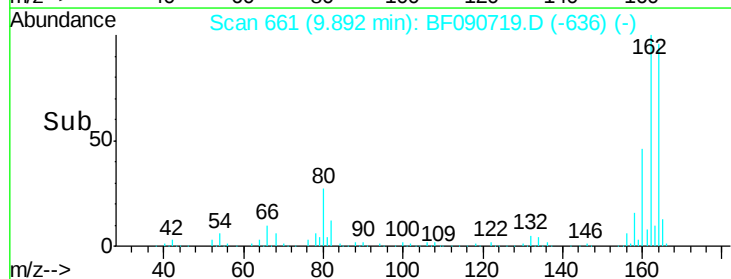
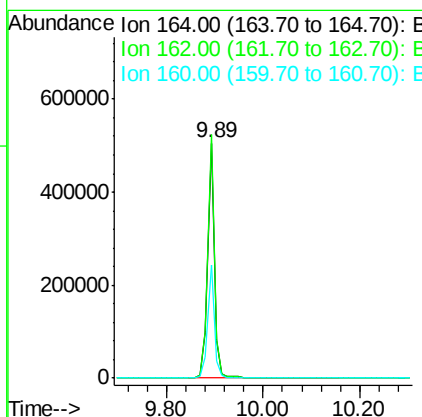
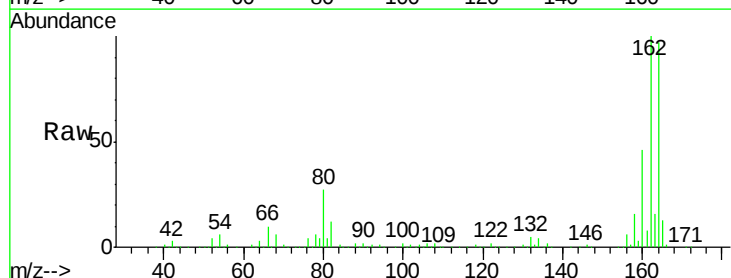
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB94209BL

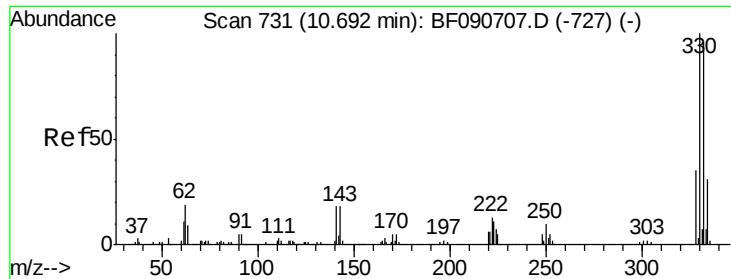
Tot Ion: 82 Resp: 1671898  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 51.0 76.6#  
 54 44.9 47.5 71.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 661  
 Delta R.T. -0.01 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

Tgt Ion:164 Resp: 497813  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 75.2 112.8  
 160 47.9 31.5 47.3#

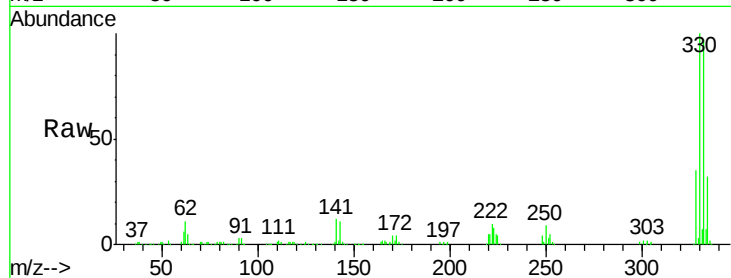




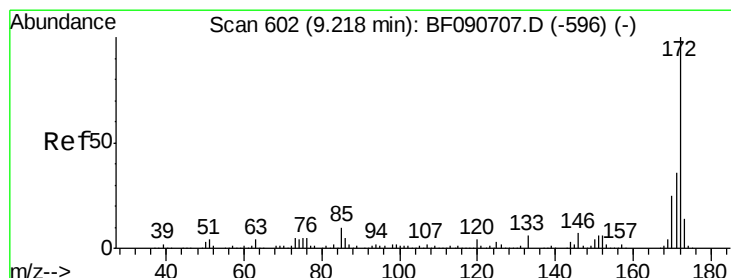
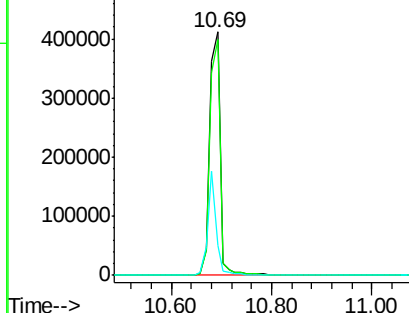
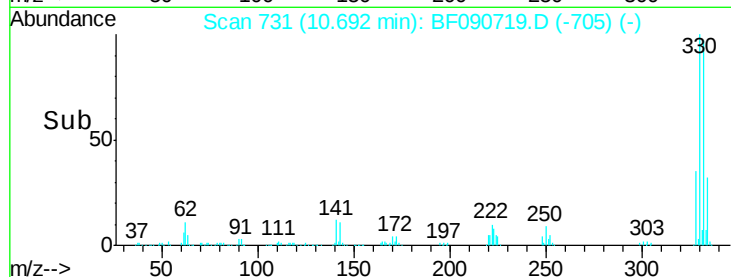
#41  
 2,4,6-Tribromophenol  
 Concen: 153.94 ng  
 RT: 10.69 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

Tot Ion:330 Resp: 606557  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.6 114.8  
 141 34.5 29.7 44.5

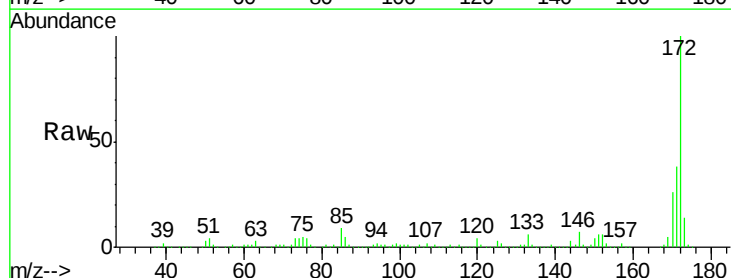


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

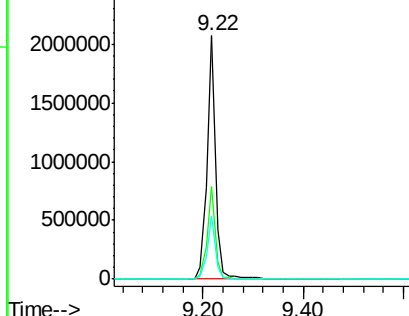
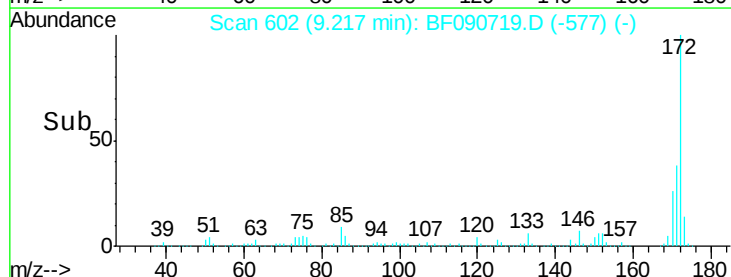


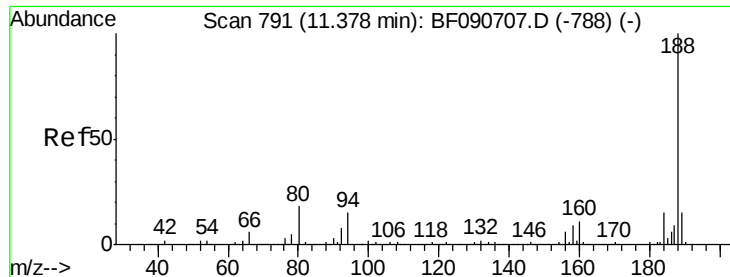
#44  
 2-Fluorobiphenyl  
 Concen: 76.91 ng  
 RT: 9.22 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

Tgt Ion:172 Resp: 2466390  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 26.1 39.1  
 170 25.7 17.4 26.2



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

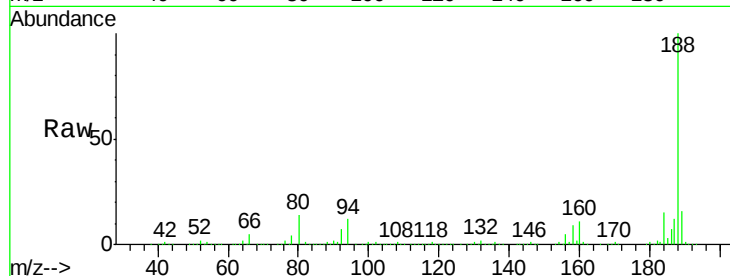




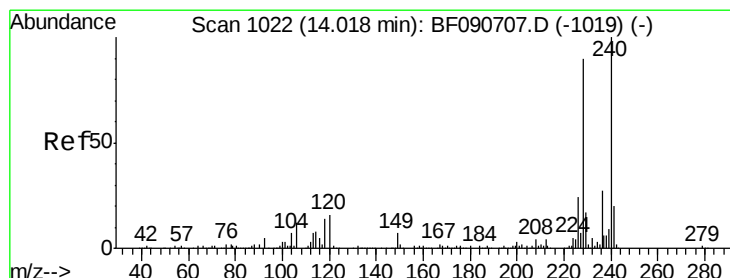
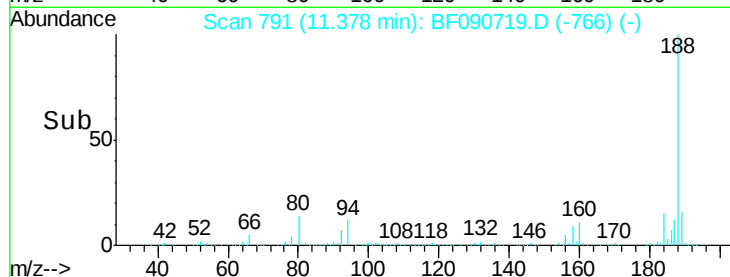
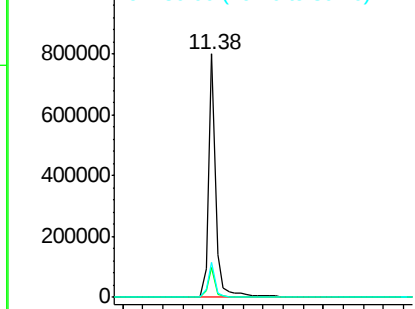
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 791  
Delta R.T. -0.01 min  
Lab File: BF090719.D  
Acq: 21 Oct 2016 19:08

Instrument :  
BNA\_F  
ClientSampled :  
PB94209BL

Tot Ion:188 Resp: 806165  
Ion Ratio Lower Upper  
188 100  
94 12.5 11.1 16.7  
80 14.2 11.0 16.4

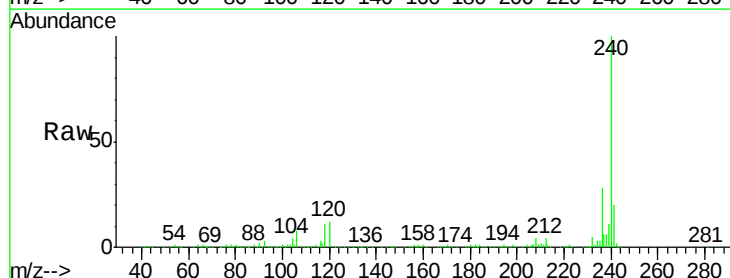


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

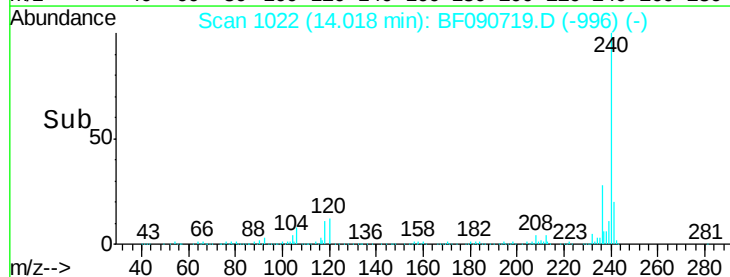
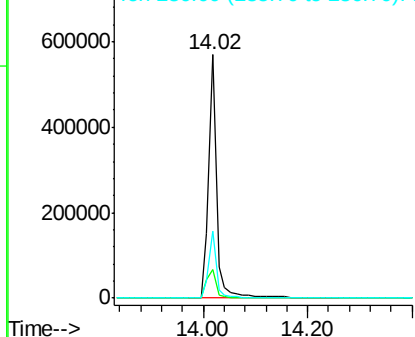


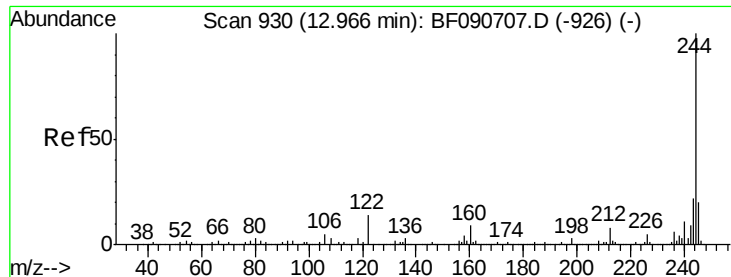
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 1022  
Delta R.T. 0.00 min  
Lab File: BF090719.D  
Acq: 21 Oct 2016 19:08

Tgt Ion:240 Resp: 614493  
Ion Ratio Lower Upper  
240 100  
120 12.0 16.2 24.2#  
236 27.7 18.4 27.6#



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

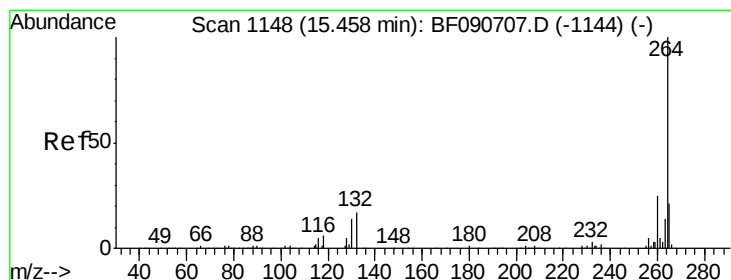
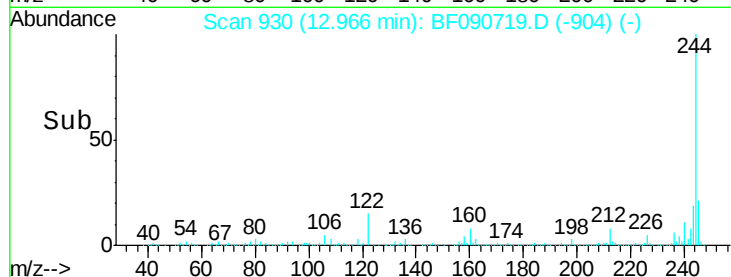
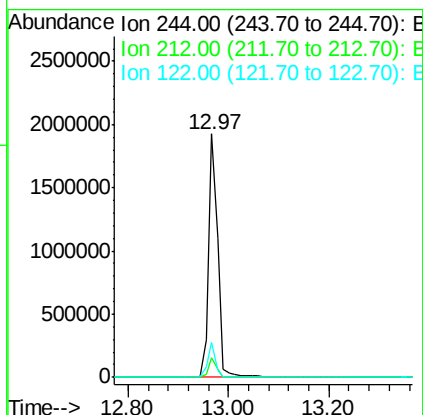
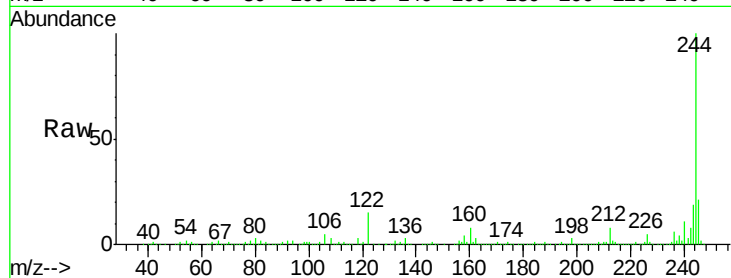




#78  
 Terphenyl-d14  
 Concen: 91.36 ng  
 RT: 12.97 min Scan# 930  
 Delta R.T. 0.00 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

Tot Ion:244 Resp: 2449664  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 4.3 6.5#  
 122 14.5 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF090719.D  
 Acq: 21 Oct 2016 19:08

Tgt Ion:264 Resp: 419750  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 16.7 25.1#  
 265 21.8 17.2 25.8

