

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\  
 Data File : BF090510.D  
 Acq On : 11 Oct 2016 19:03  
 Operator : UM/SJ  
 Sample : PB93889TB  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93889TB

Quant Time: Oct 12 00:57:23 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 16:14:43 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 179283   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 734079   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.99  | 164  | 400574   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 665048   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.12 | 240  | 621899   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.60 | 264  | 506592   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 1672573  | 145.14 | ng    | 0.01     |
| 7) Phenol-d6                | 6.58  | 99   | 2011094  | 138.29 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 1347743  | 99.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 523466   | 131.83 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 2333674  | 97.90  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 2816163  | 110.66 | ng    | 0.00     |

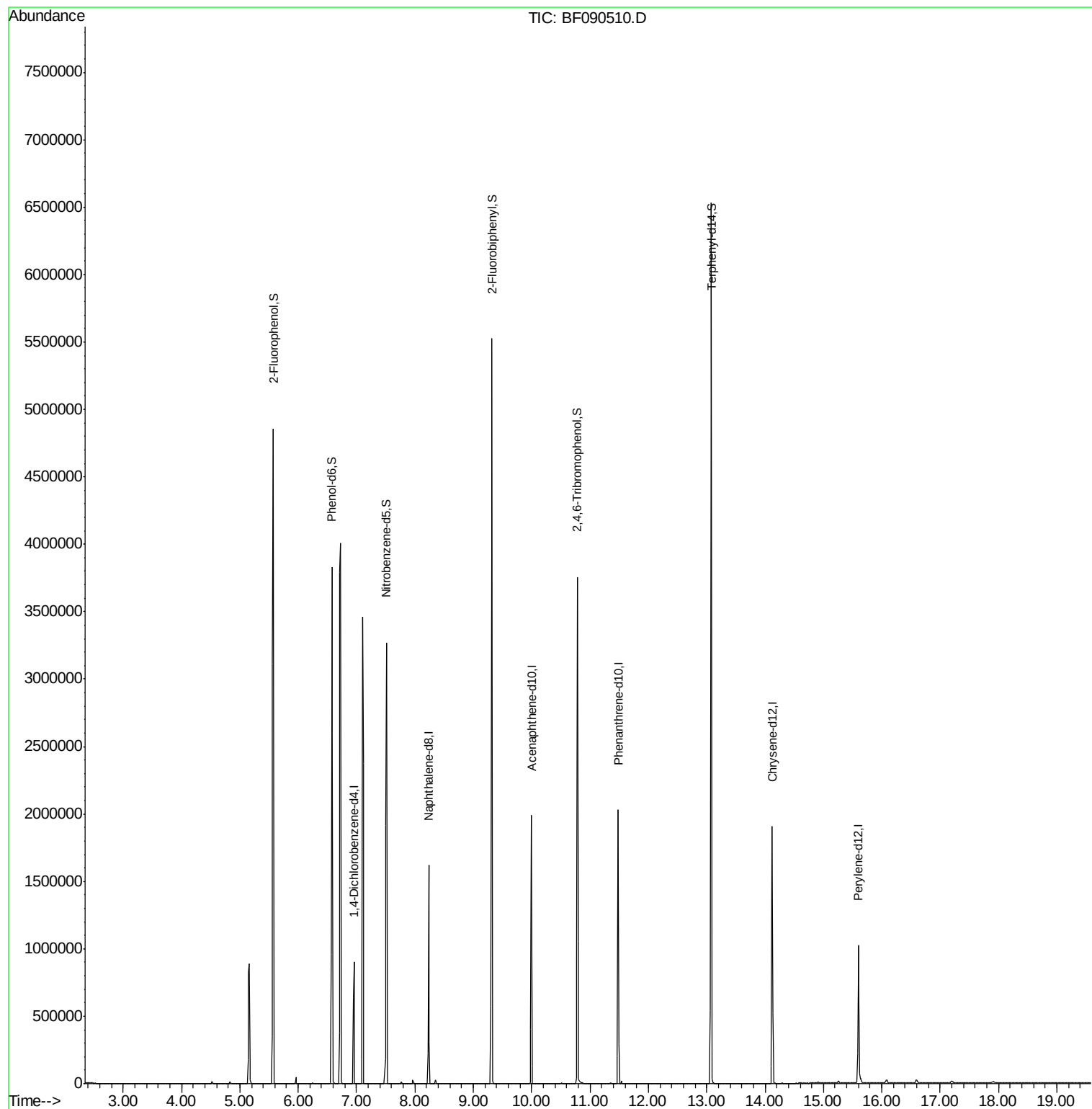
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

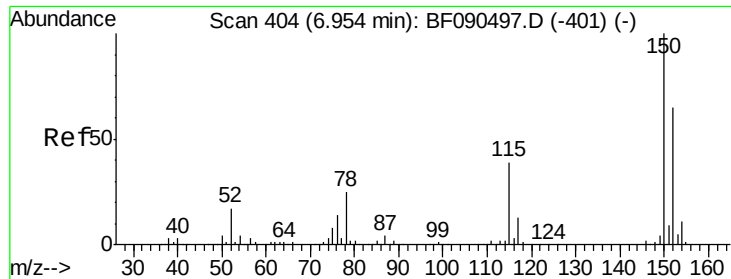
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 11 16:14:43 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090510.D

Acq: 11 Oct 2016 19:03

Instrument :

BNA\_F

ClientSampleId :

PB93889TB

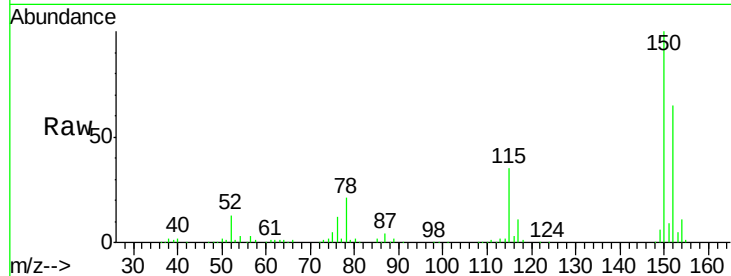
Tot Ion:152 Resp: 179283

Ion Ratio Lower Upper

152 100

150 154.7 124.6 186.8

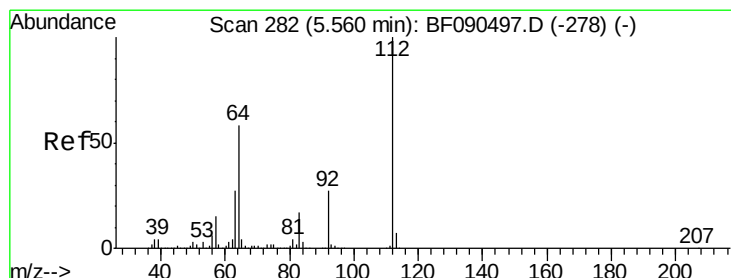
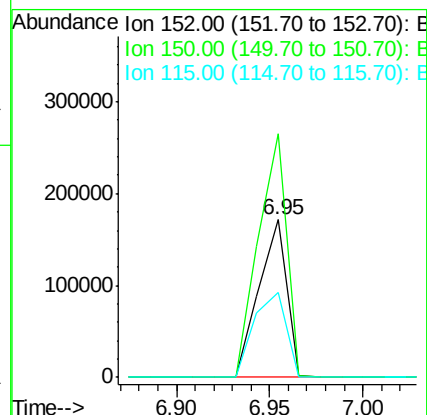
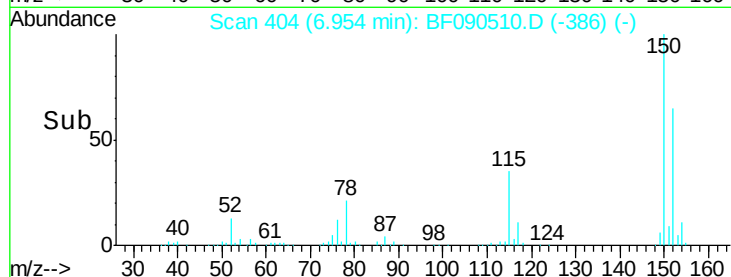
115 53.8 46.2 69.4



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: 145.14 ng

RT: 5.57 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF090510.D

Acq: 11 Oct 2016 19:03

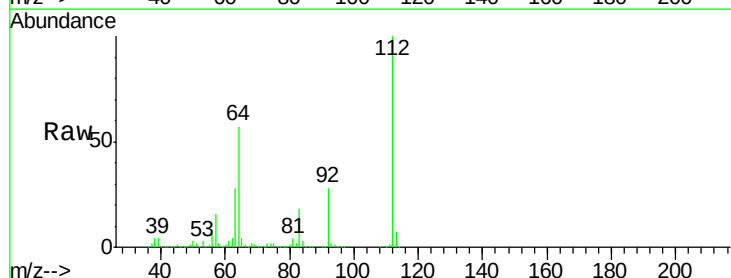
Tgt Ion:112 Resp: 1672573

Ion Ratio Lower Upper

112 100

64 57.4 57.9 86.9#

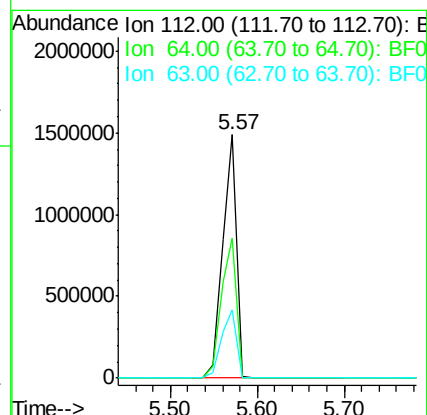
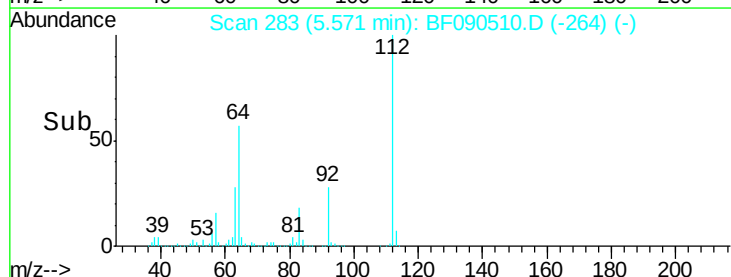
63 27.9 29.6 44.4#

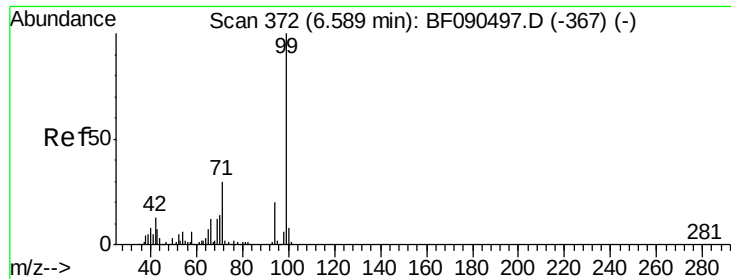


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.29 ng

RT: 6.58 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF090510.D

Acq: 11 Oct 2016 19:03

Instrument :

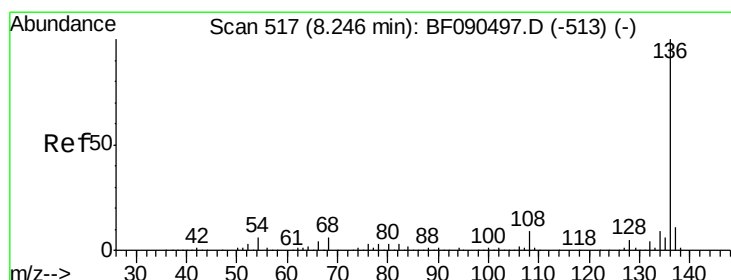
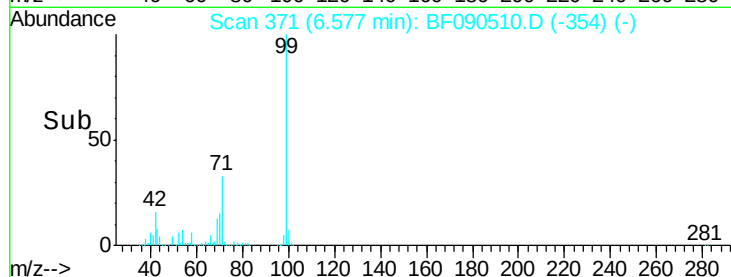
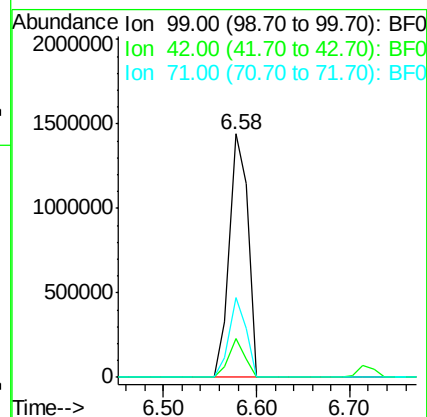
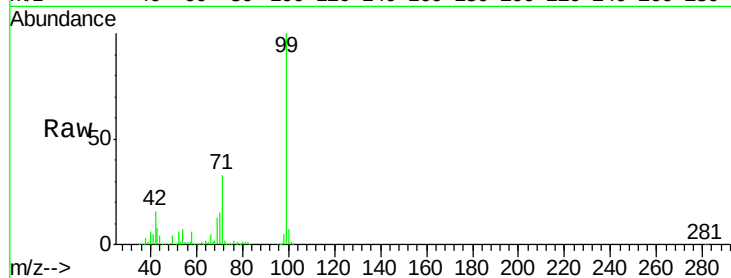
BNA\_F

ClientSampleId :

PB93889TB

Tot Ion: 99 Resp: 2011094

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.7  | 20.0  | 30.0# |
| 71  | 32.9  | 27.9  | 41.9  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 516

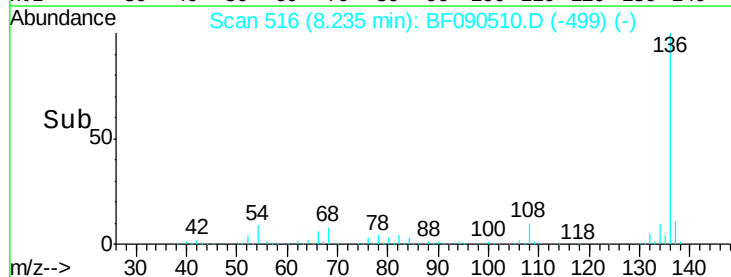
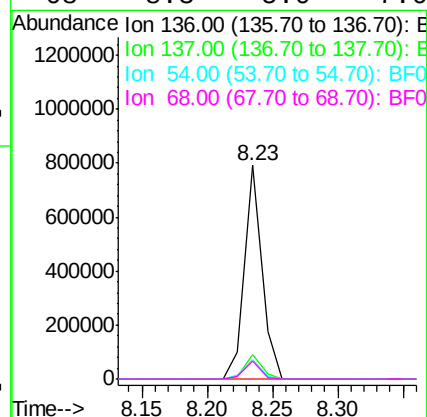
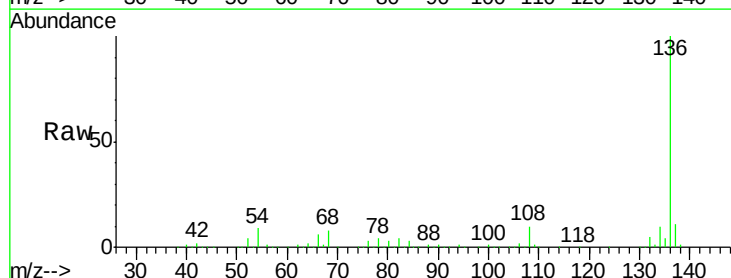
Delta R.T. -0.01 min

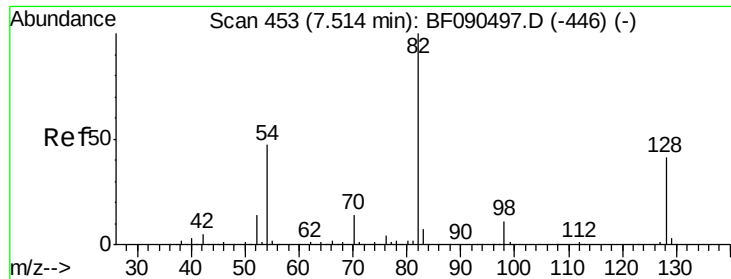
Lab File: BF090510.D

Acq: 11 Oct 2016 19:03

Tgt Ion: 136 Resp: 734079

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.0   | 13.6  |
| 54  | 9.0   | 6.6   | 10.0  |
| 68  | 8.3   | 5.0   | 7.6#  |

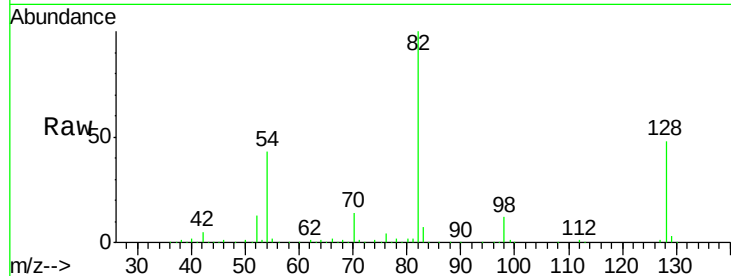




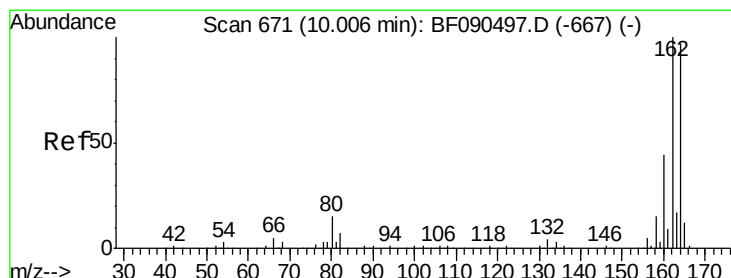
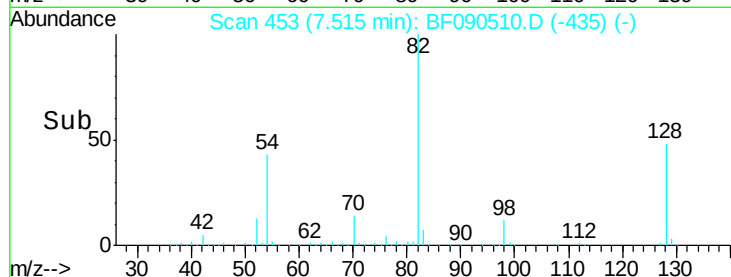
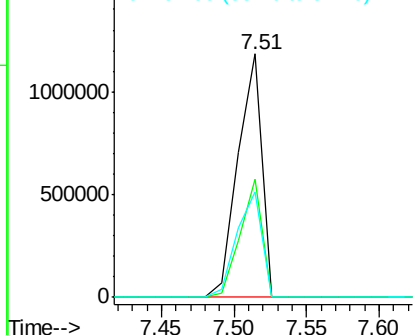
#23  
 Nitrobenzene-d5  
 Concen: 99.58 ng  
 RT: 7.51 min Scan# 453  
 Delta R.T. 0.00 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93889TB

Tot Ion: 82 Resp: 1347743  
 Ion Ratio Lower Upper  
 82 100  
 128 48.5 40.0 60.0  
 54 43.5 42.6 64.0

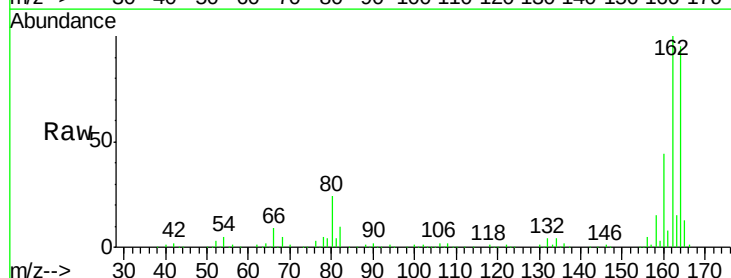


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

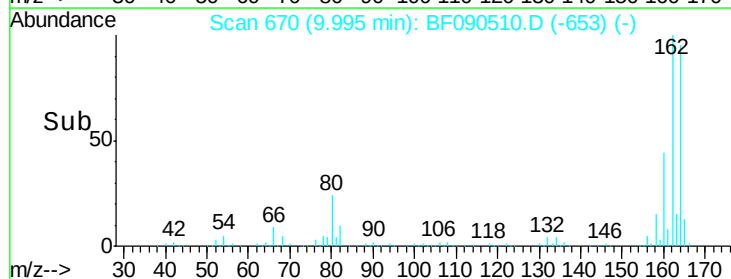
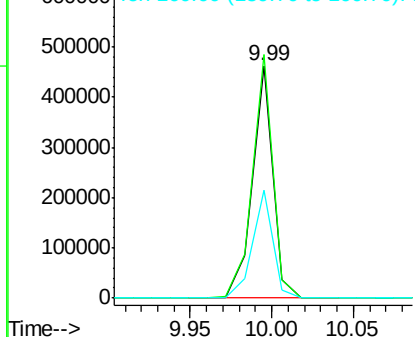


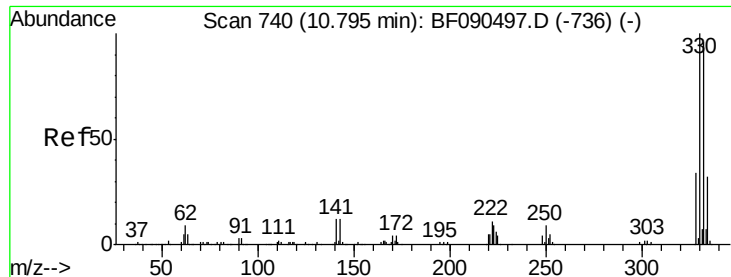
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 670  
 Delta R.T. -0.01 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

Tgt Ion:164 Resp: 400574  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 80.1 120.1  
 160 46.4 36.3 54.5



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

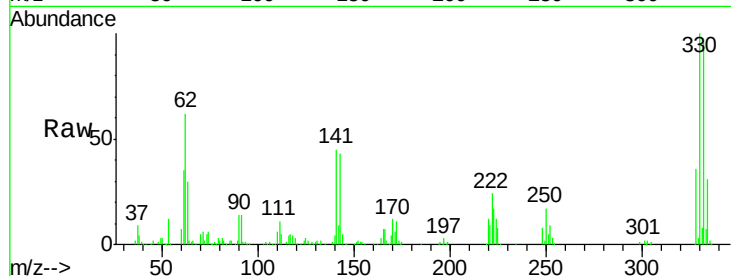




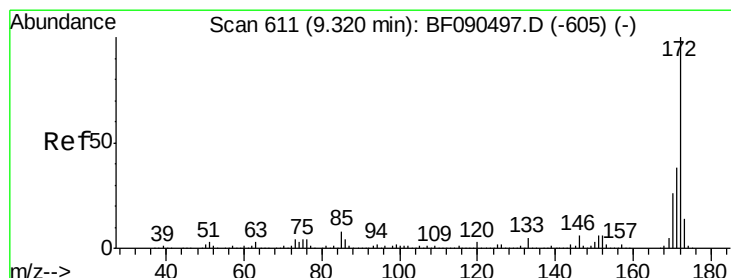
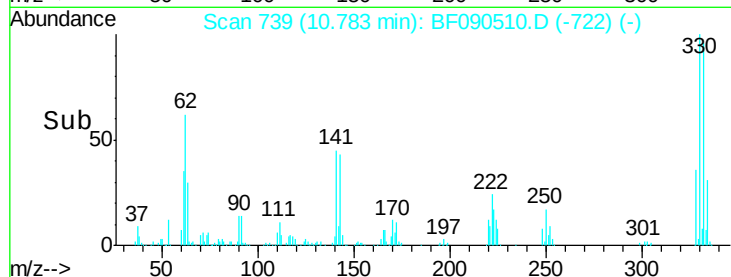
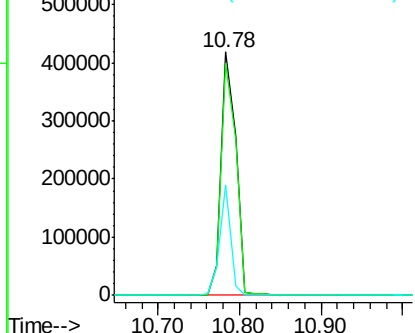
#41  
 2,4,6-Tribromophenol  
 Concen: 131.83 ng  
 RT: 10.78 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

Instrument :  
 BNA\_F  
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 PB93889TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 75.4  | 113.0 |
| 141     | 34.5  | 26.9  | 40.3  |

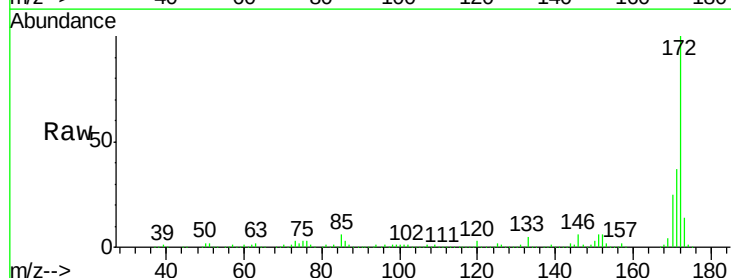


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

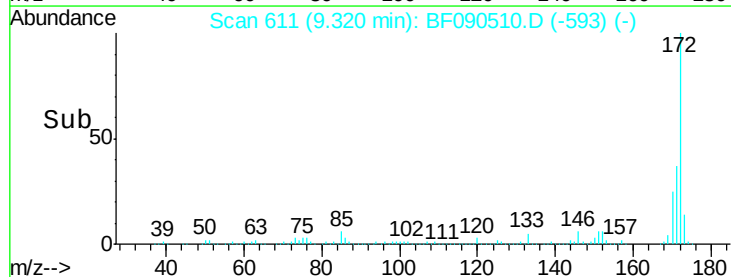
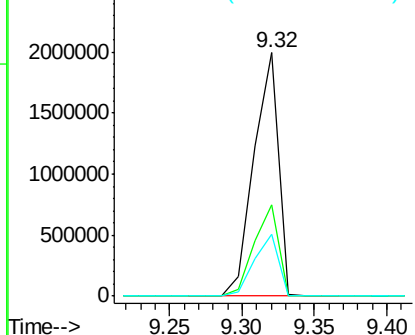


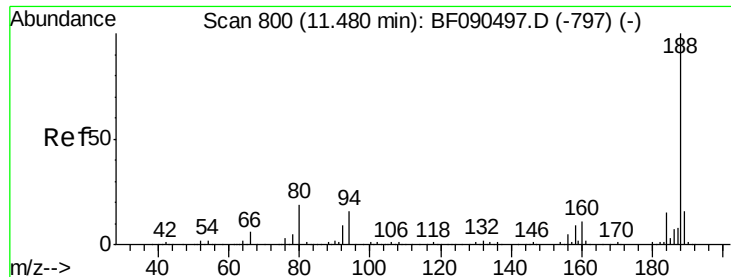
#44  
 2-Fluorobiphenyl  
 Concen: 97.90 ng  
 RT: 9.32 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 31.8  | 47.8  |
| 170     | 25.3  | 21.7  | 32.5  |



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

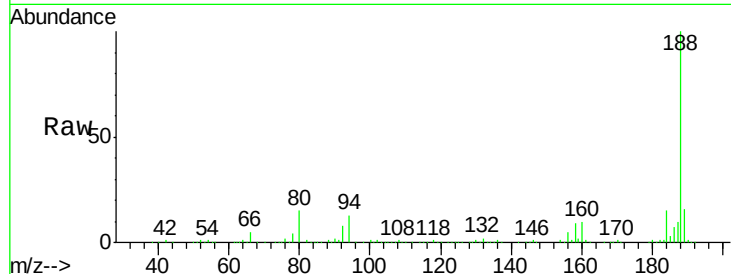




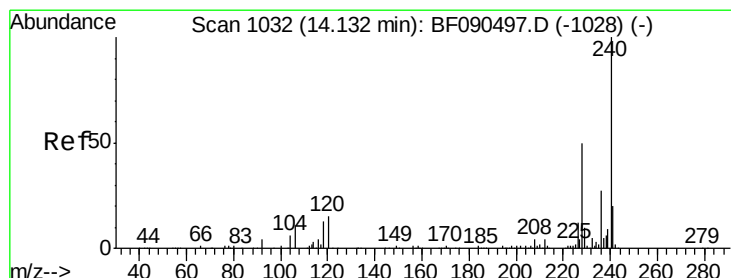
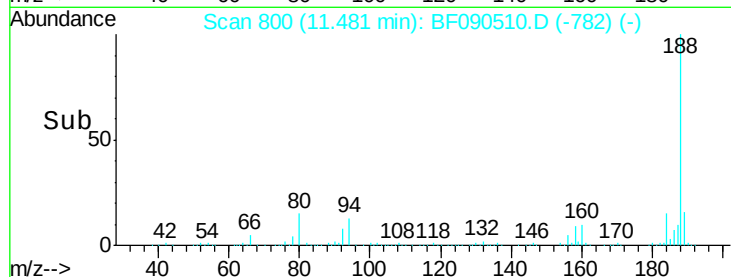
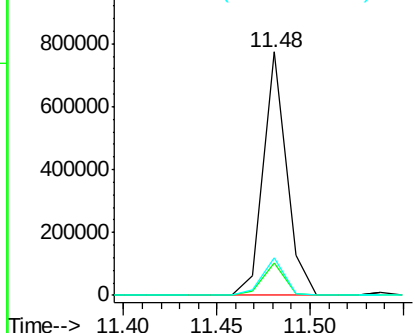
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF090510.D  
Acq: 11 Oct 2016 19:03

Instrument :  
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ClientSampleId :  
PB93889TB

Tot Ion:188 Resp: 665048  
Ion Ratio Lower Upper  
188 100  
94 13.5 8.2 12.2#  
80 15.2 8.8 13.2#

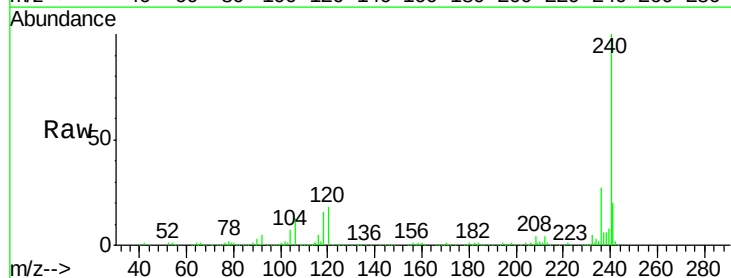


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

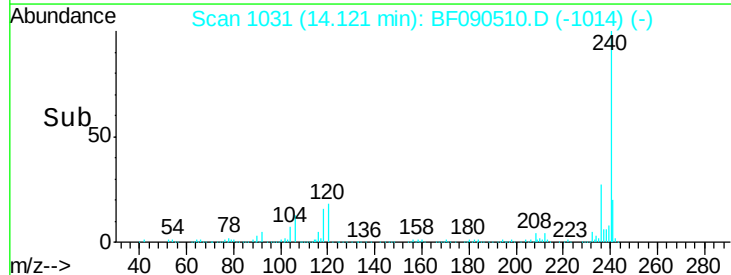
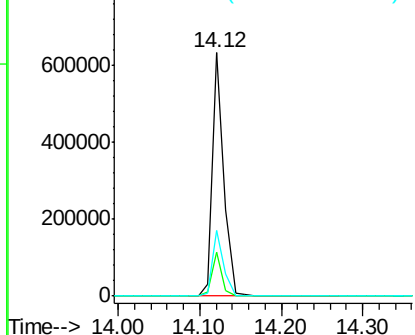


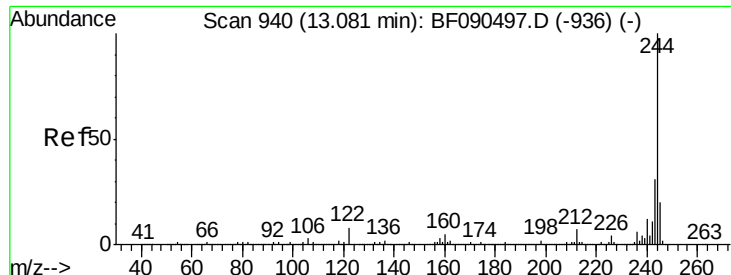
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.12 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF090510.D  
Acq: 11 Oct 2016 19:03

Tgt Ion:240 Resp: 621899  
Ion Ratio Lower Upper  
240 100  
120 18.2 8.6 13.0#  
236 27.2 21.6 32.4



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



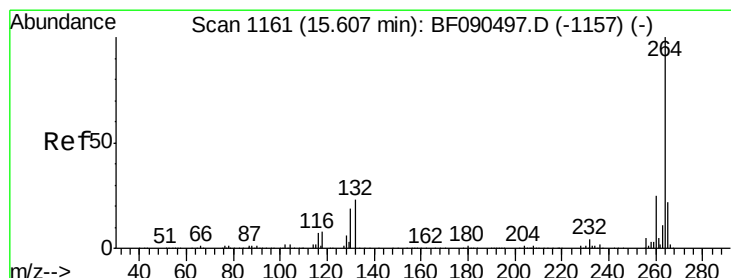
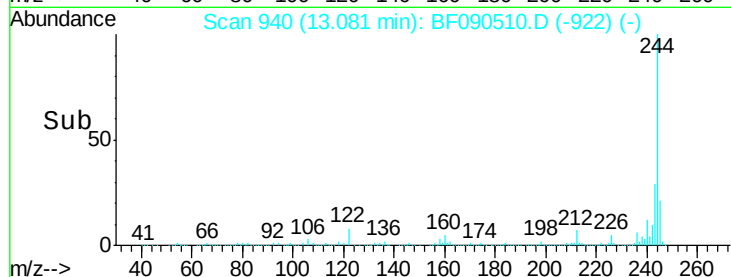
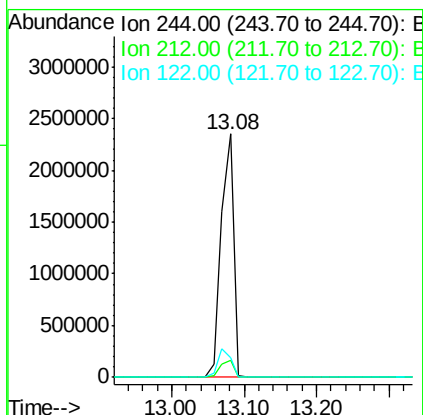
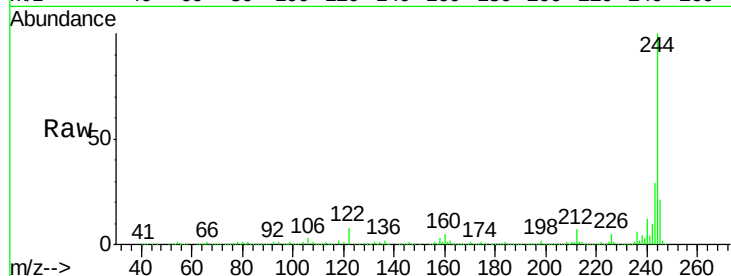


#78  
 Terphenyl-d14  
 Concen: 110.66 ng  
 RT: 13.08 min Scan# 940  
 Delta R.T. 0.00 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

Instrument :  
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Tot Ion:244 Resp: 2816163  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 6.8   | 10.2  |
| 122 | 8.2   | 13.3  | 19.9# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.60 min Scan# 1160  
 Delta R.T. -0.01 min  
 Lab File: BF090510.D  
 Acq: 11 Oct 2016 19:03

Tgt Ion:264 Resp: 506592  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 19.3  | 28.9  |
| 265 | 21.4  | 17.4  | 26.0  |

