

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\  
 Data File : BF084491.D  
 Acq On : 15 Jan 2016 15:21  
 Operator : SJ/UM  
 Sample : PB87835BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87835BL

Quant Time: Jan 16 02:22:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 16 01:26:38 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 288206   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.11  | 136  | 1227276  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 530068   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 951800   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 719327   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.40 | 264  | 582793   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 2045048  | 114.77 | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 2479290  | 110.79 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 1879320  | 85.22  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 704694   | 131.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 2857066  | 95.61  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.93 | 244  | 2554685  | 79.28  | ng    | 0.00     |

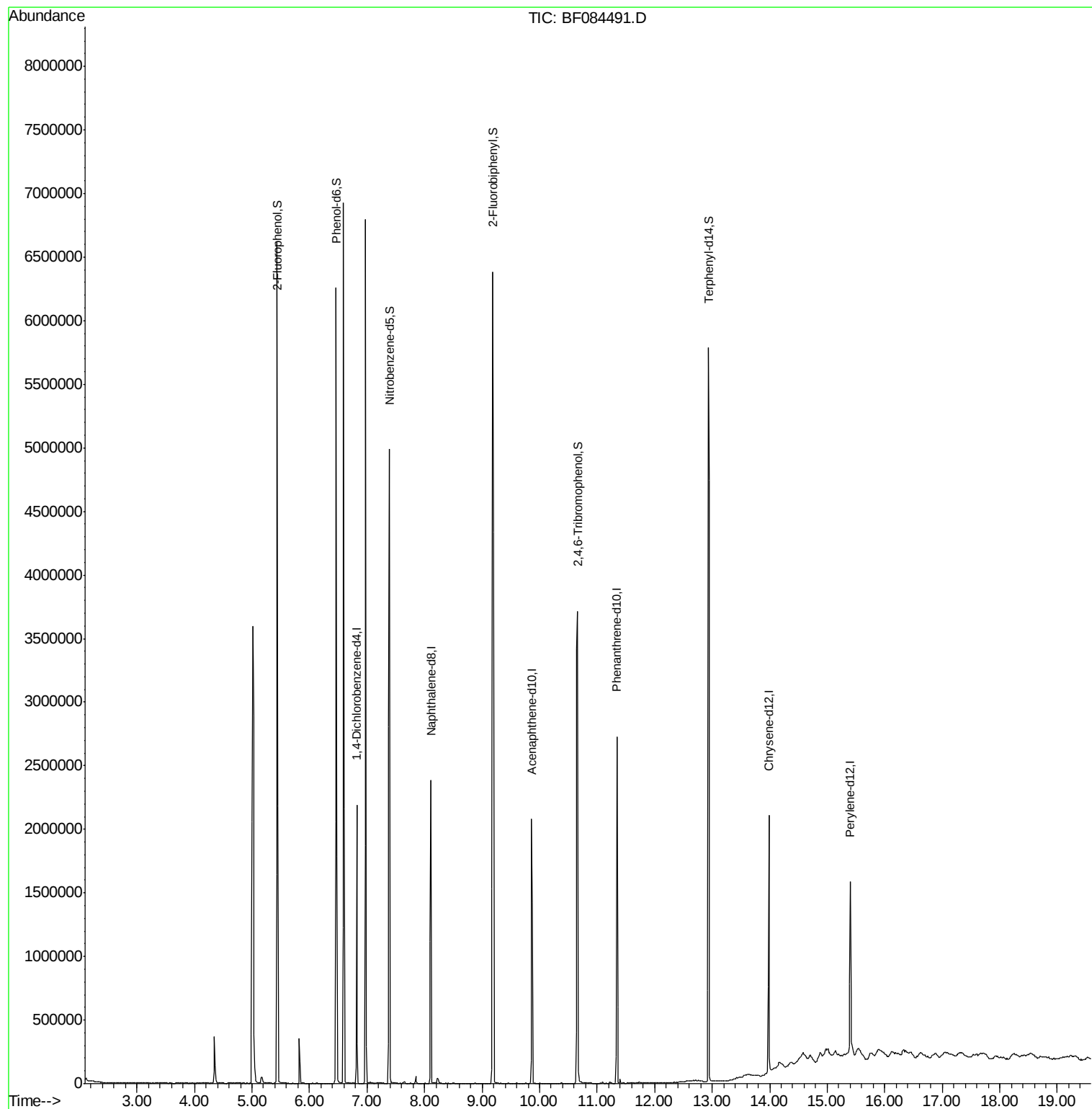
Target Compounds Qvalue

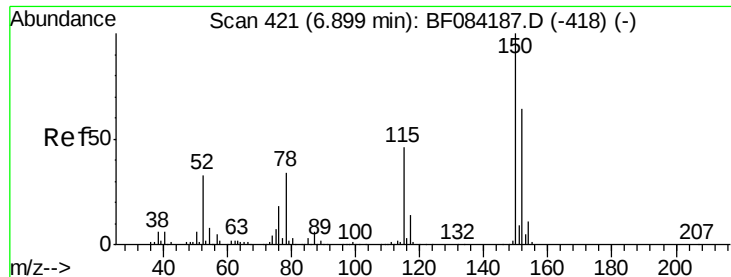
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 02:22:11 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jan 16 01:26:38 2016  
Response via : Initial Calibration



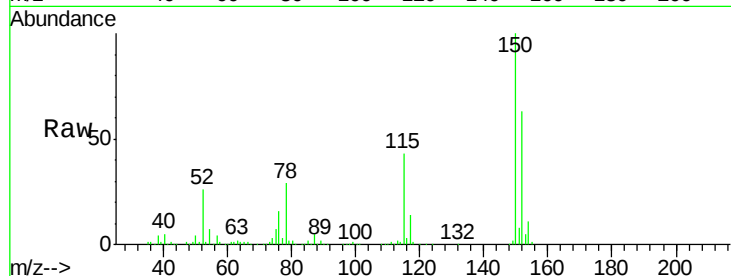


#1

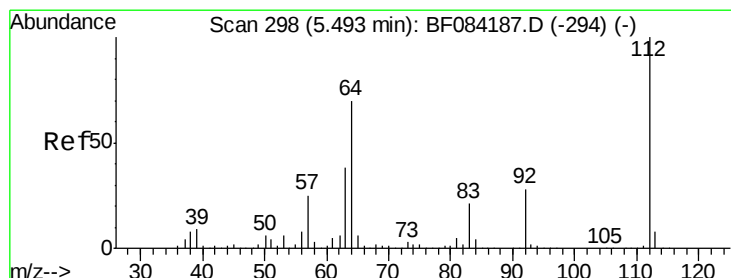
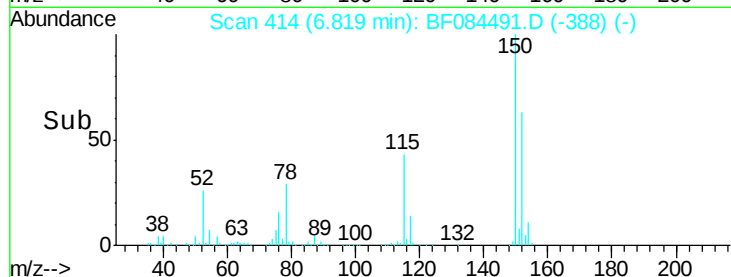
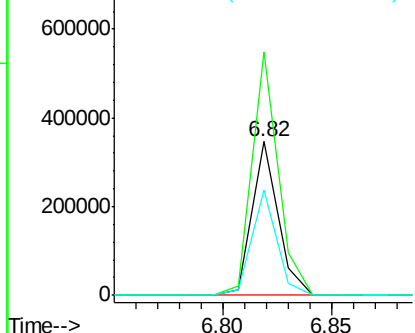
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 414  
Delta R.T. 0.00 min  
Lab File: BF084491.D  
Acq: 15 Jan 2016 15:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB87835BL

Tot Ion:152 Resp: 288206  
Ion Ratio Lower Upper  
152 100  
150 158.4 123.0 184.4  
115 68.9 51.4 77.2



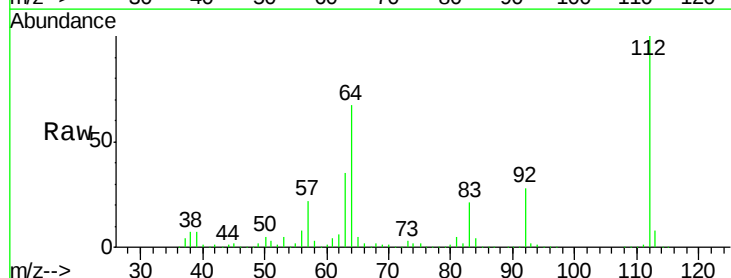
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



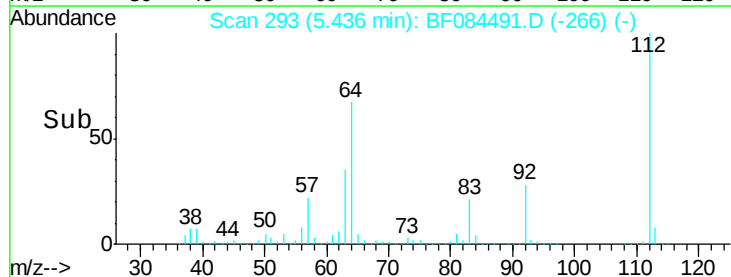
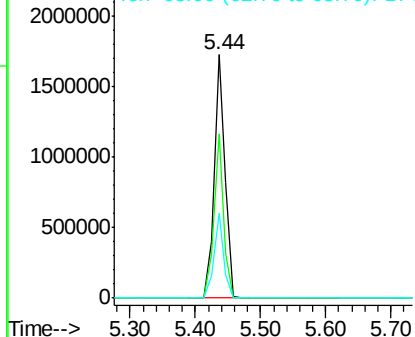
#5

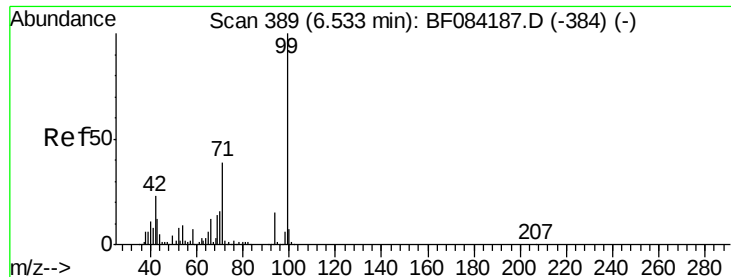
2-Fluorophenol  
Concen: 114.77 ng  
RT: 5.44 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: BF084491.D  
Acq: 15 Jan 2016 15:21

Tgt Ion:112 Resp: 2045048  
Ion Ratio Lower Upper  
112 100  
64 67.3 36.6 55.0#  
63 35.1 19.4 29.0#



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: 110.79 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF084491.D

Acq: 15 Jan 2016 15:21

Instrument :

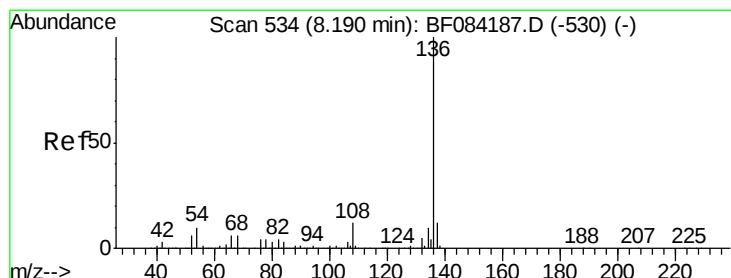
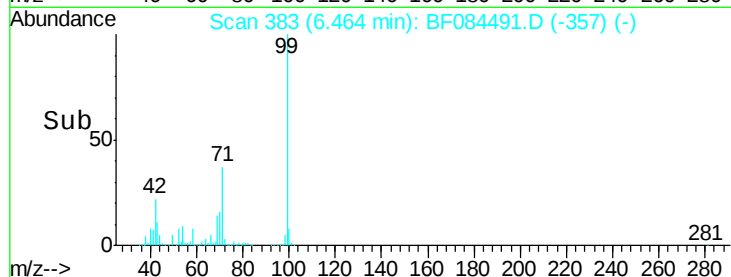
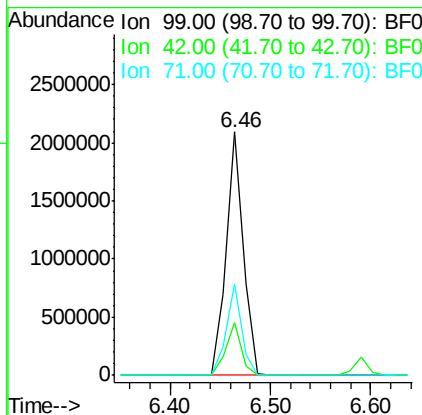
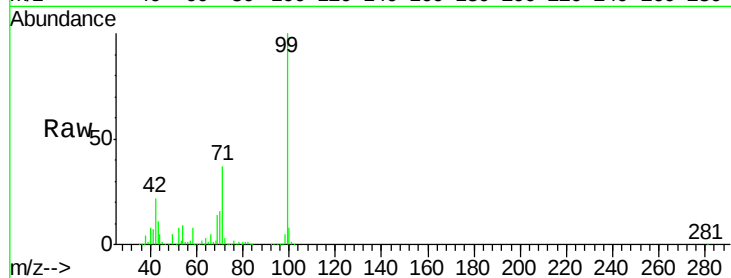
BNA\_F

ClientSampled :

PB87835BL

Tot Ion: 99 Resp: 2479290

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.6  | 12.8  | 19.2# |
| 71  | 37.4  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

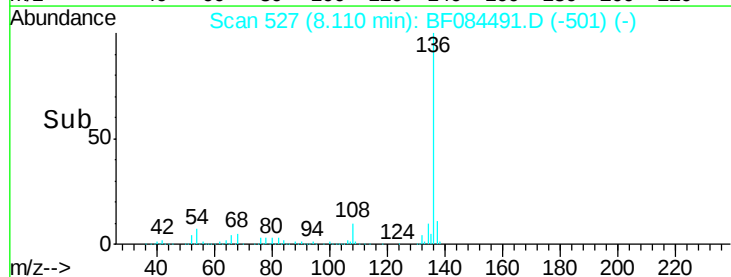
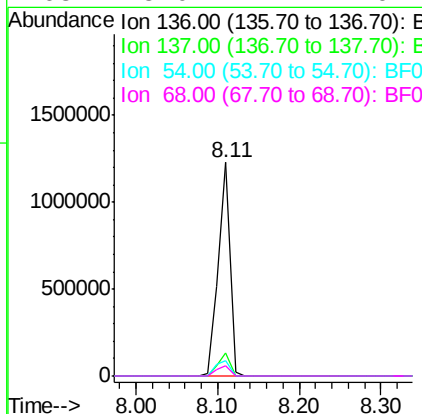
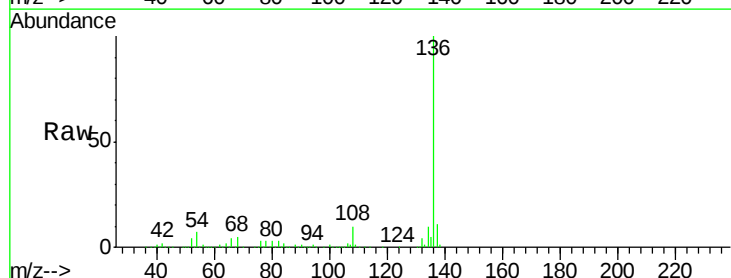
Delta R.T. 0.00 min

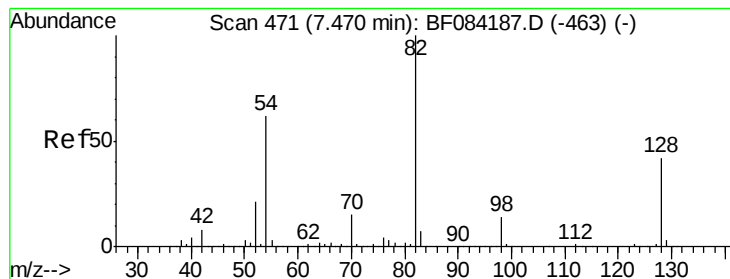
Lab File: BF084491.D

Acq: 15 Jan 2016 15:21

Tgt Ion: 136 Resp: 1227276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.7   | 13.1  |
| 54  | 7.3   | 5.8   | 8.8   |
| 68  | 5.0   | 4.2   | 6.2   |





#23

Nitrobenzene-d5

Concen: 85.22 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF084491.D

Acq: 15 Jan 2016 15:21

Instrument :

BNA\_F

ClientSampled :

PB87835BL

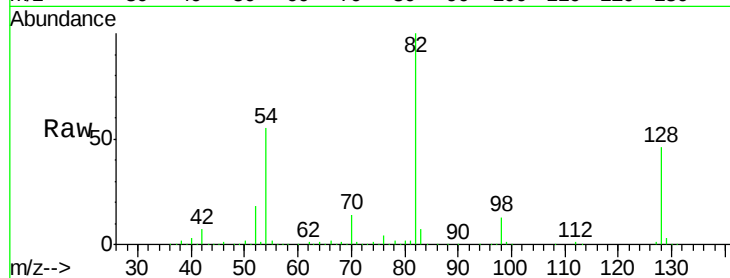
Tot Ion: 82 Resp: 1879320

Ion Ratio Lower Upper

82 100

128 46.4 34.6 51.8

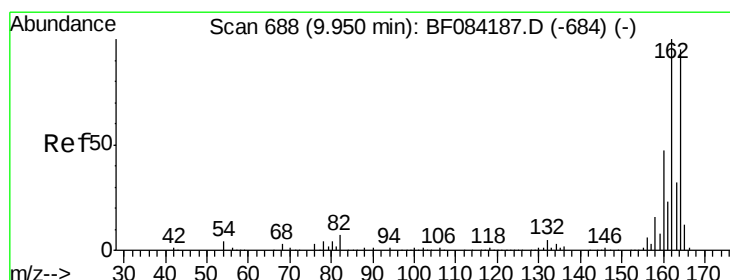
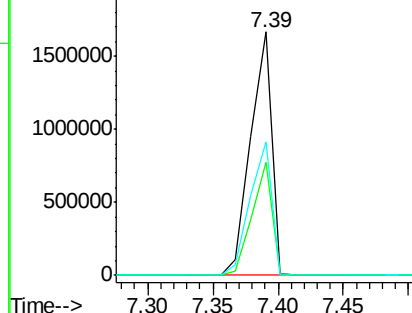
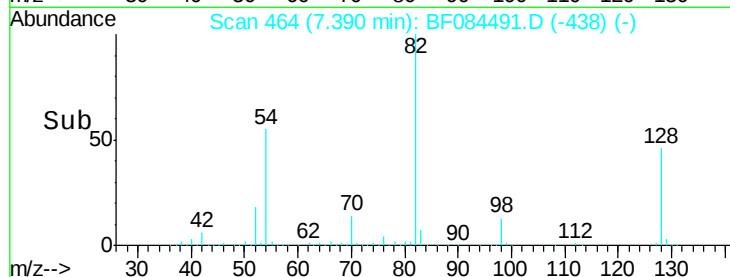
54 55.0 38.4 57.6



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: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084491.D

Acq: 15 Jan 2016 15:21

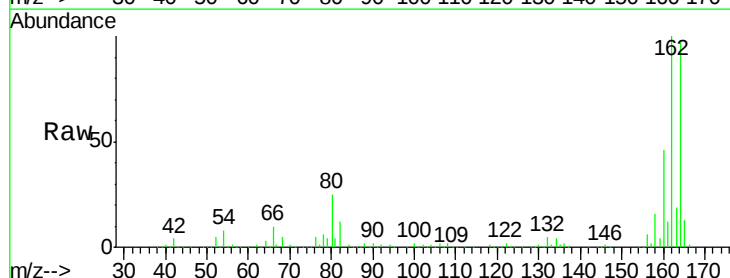
Tgt Ion:164 Resp: 530068

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

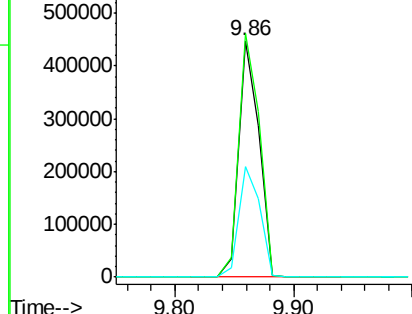
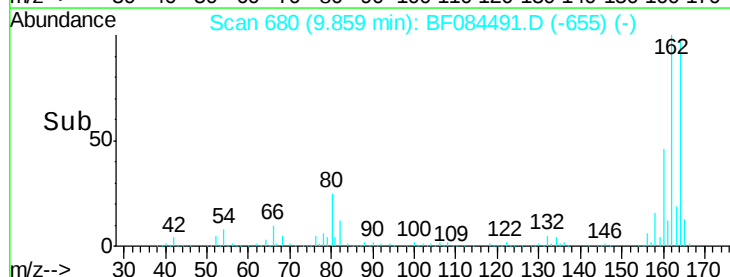
160 47.0 37.5 56.3

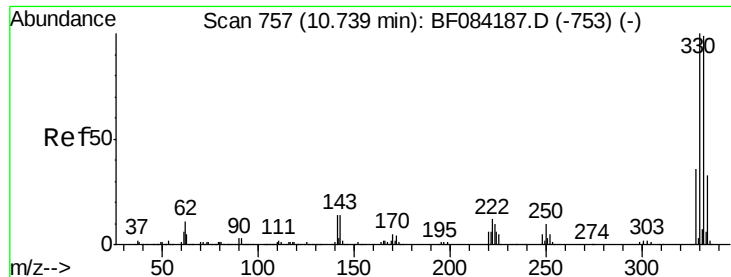


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

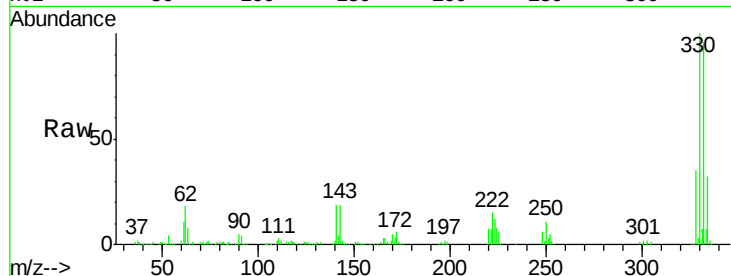




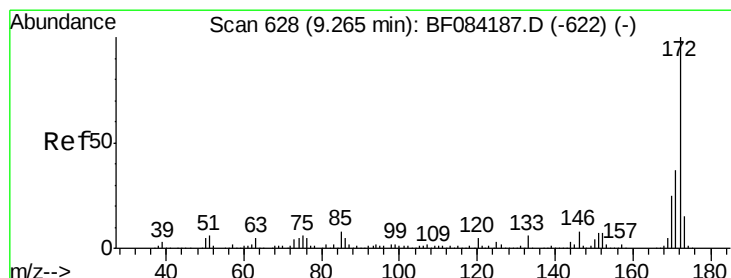
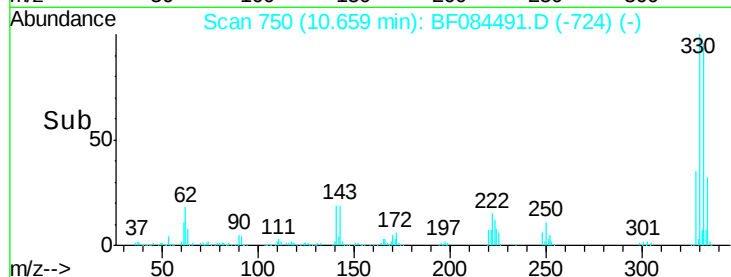
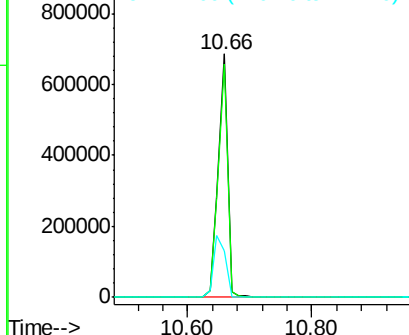
#41  
 2,4,6-Tribromophenol  
 Concen: 131.68 ng  
 RT: 10.66 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: BF084491.D  
 Acq: 15 Jan 2016 15:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87835BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 76.6  | 114.8 |
| 141     | 32.7  | 27.8  | 41.6  |

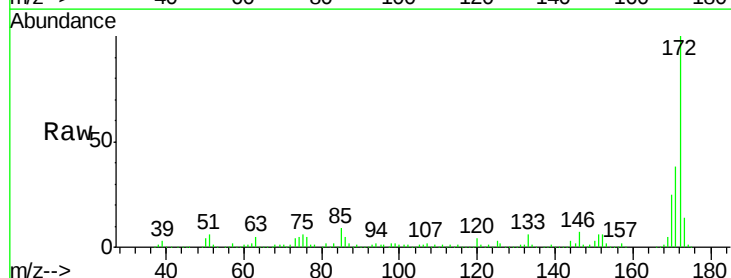


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

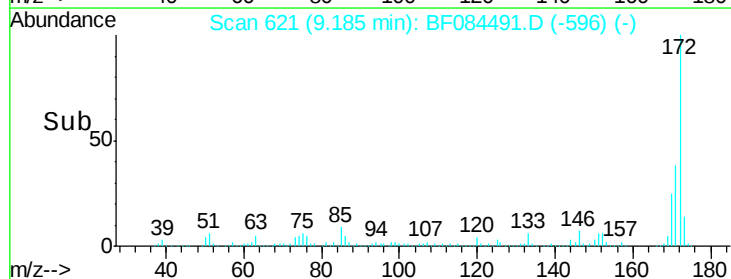
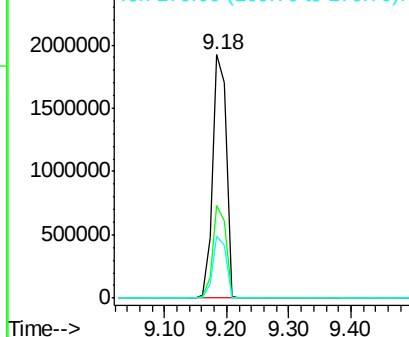


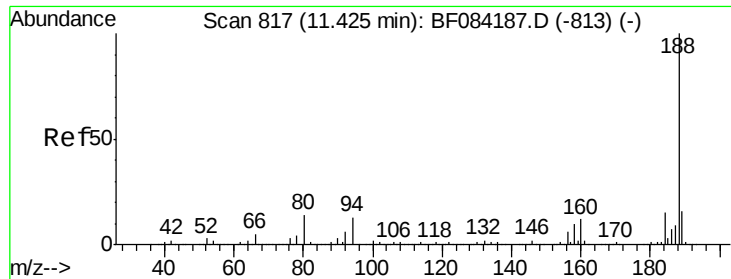
#44  
 2-Fluorobiphenyl  
 Concen: 95.61 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.01 min  
 Lab File: BF084491.D  
 Acq: 15 Jan 2016 15:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 28.9  | 43.3  |
| 170     | 25.4  | 18.6  | 27.8  |



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

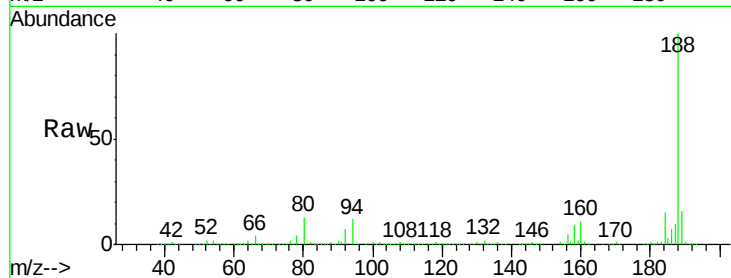




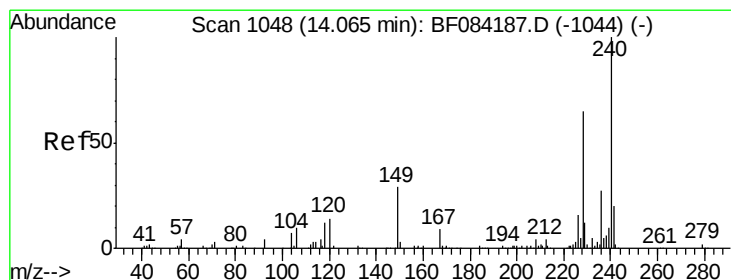
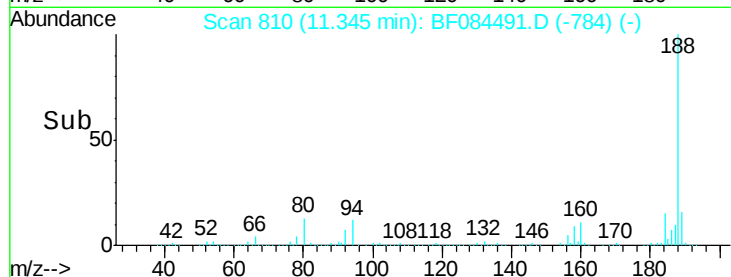
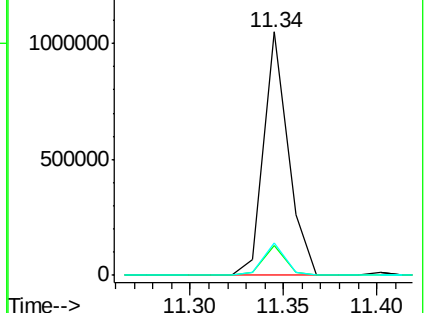
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF084491.D  
Acq: 15 Jan 2016 15:21

Instrument :  
BNA\_F  
ClientSampled :  
PB87835BL

Tot Ion:188 Resp: 951800  
Ion Ratio Lower Upper  
188 100  
94 12.1 9.0 13.4  
80 13.1 9.6 14.4

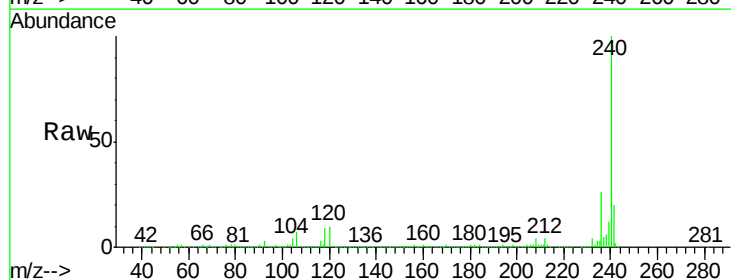


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

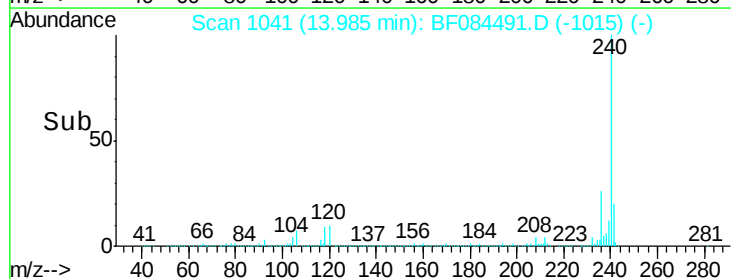
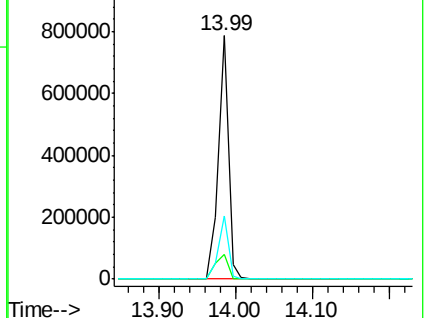


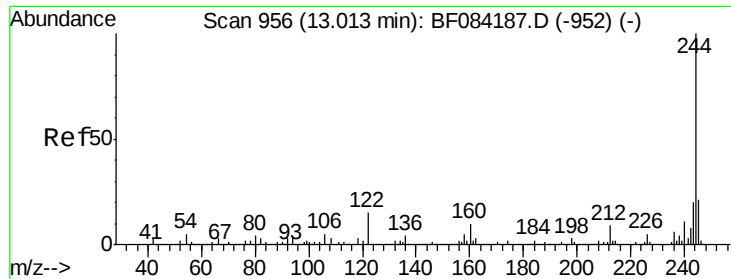
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.99 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BF084491.D  
Acq: 15 Jan 2016 15:21

Tgt Ion:240 Resp: 719327  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.5 14.3  
236 25.7 20.6 31.0



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

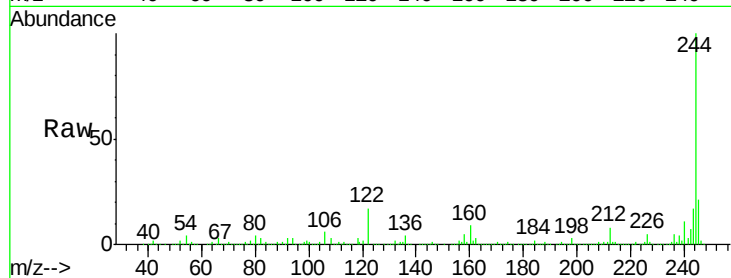




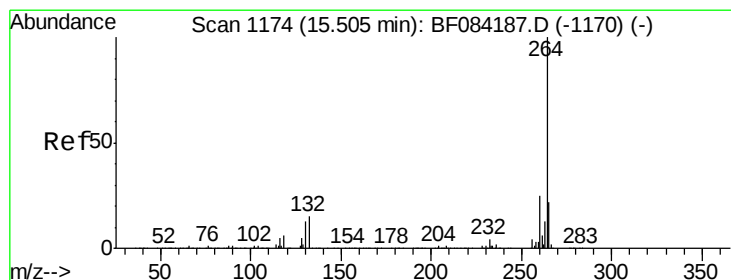
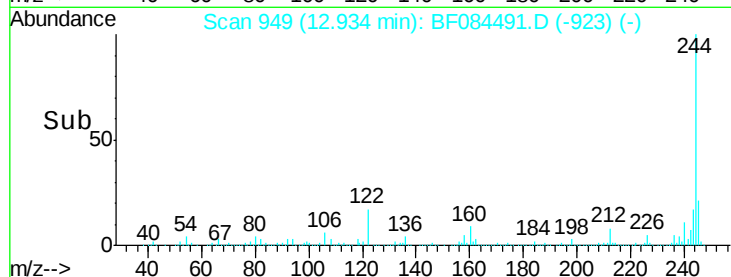
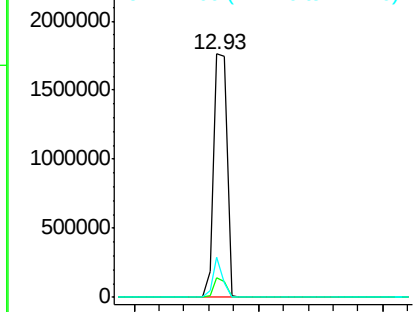
#78  
 Terphenyl-d14  
 Concen: 79.28 ng  
 RT: 12.93 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: BF084491.D  
 Acq: 15 Jan 2016 15:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87835BL

Tot Ion:244 Resp: 2554685  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.7 8.5  
 122 16.5 7.4 11.0#

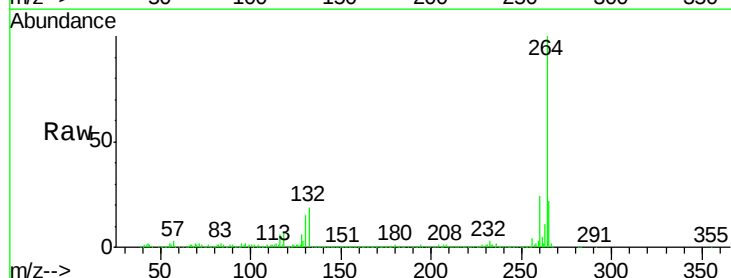


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1165  
 Delta R.T. 0.00 min  
 Lab File: BF084491.D  
 Acq: 15 Jan 2016 15:21

Tgt Ion:264 Resp: 582793  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.4 29.2  
 265 22.4 17.8 26.6



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

