

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\  
 Data File : BF086093.D  
 Acq On : 6 Apr 2016 12:43  
 Operator : UM/SJ  
 Sample : PB89565BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89565BL

Quant Time: Apr 07 01:32:36 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 112055   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.03  | 136  | 446658   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 209677   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 393986   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 13.89 | 240  | 300289   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.30 | 264  | 216792   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 779085   | 118.84 | ng    | -0.02    |
| 7) Phenol-d6                | 6.40  | 99   | 1001240  | 120.24 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 579921   | 76.57  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 227520   | 115.61 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 977078   | 77.48  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.85 | 244  | 1075372  | 84.18  | ng    | -0.02    |

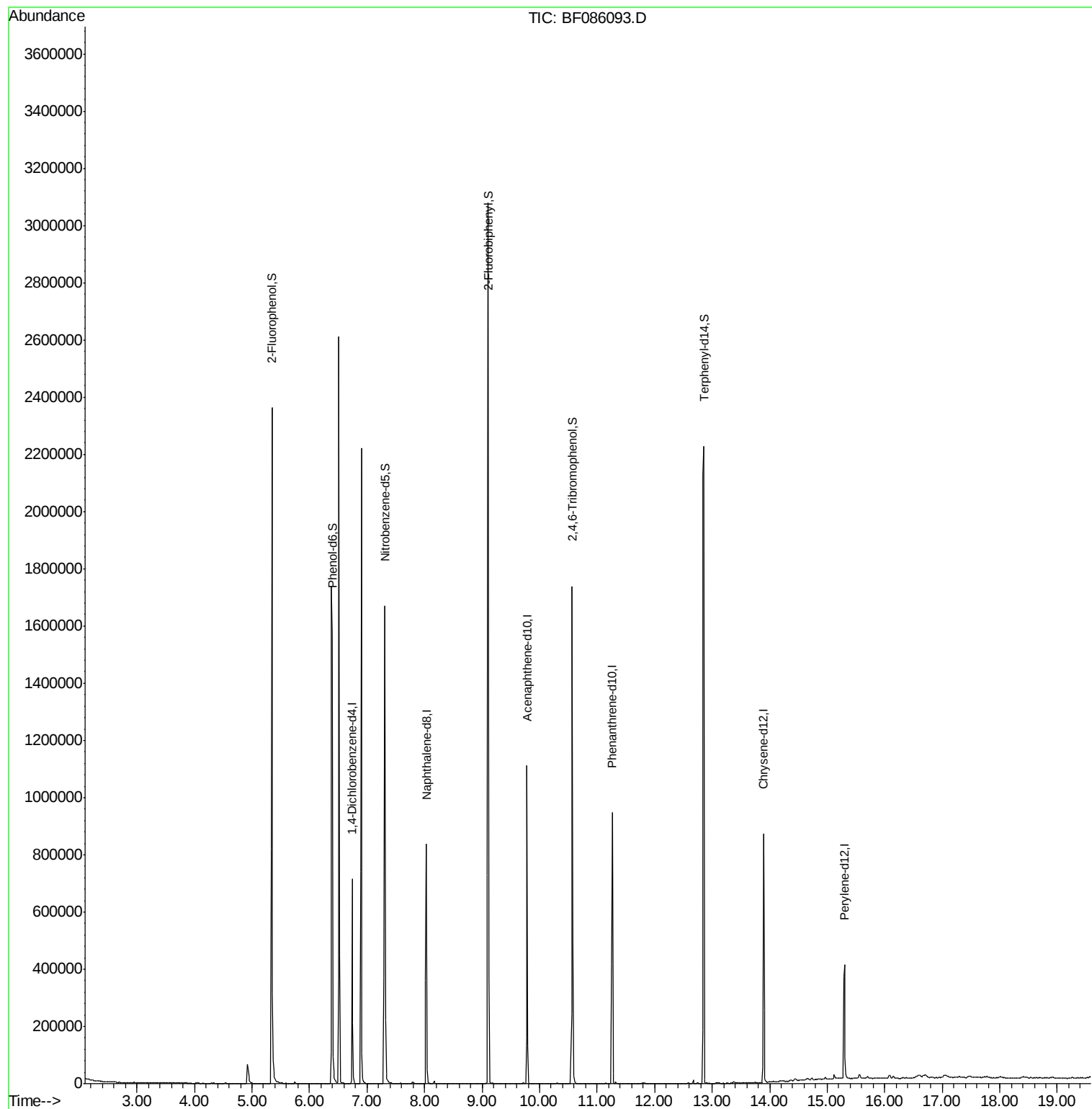
Target Compounds Qvalue

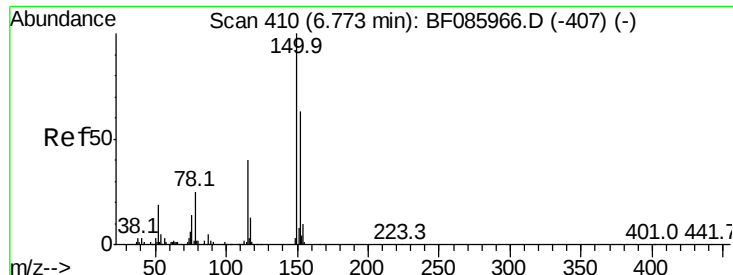
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 01 23:17:06 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

Instrument :

BNA\_F

ClientSampleId :

PB89565BL

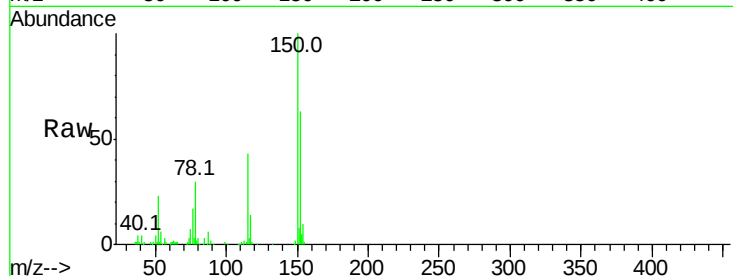
Tot Ion:152 Resp: 112055

Ion Ratio Lower Upper

152 100

150 157.7 124.2 186.2

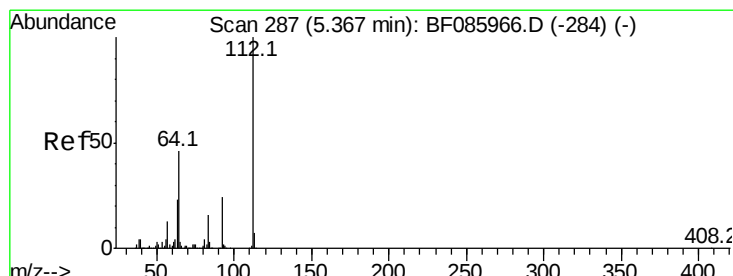
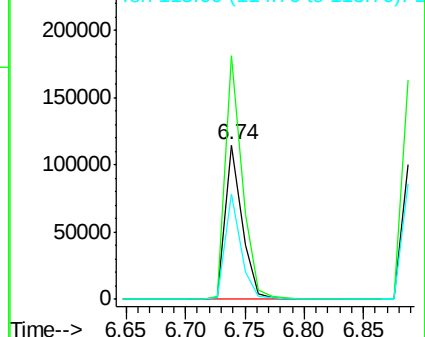
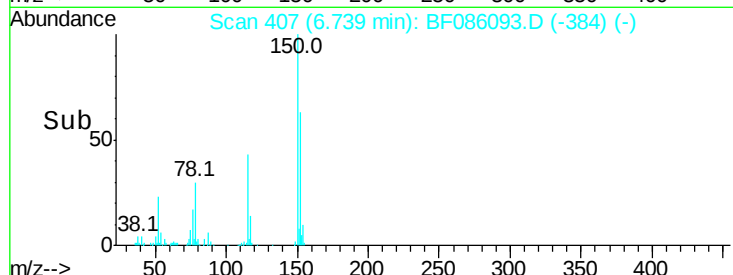
115 68.6 47.0 70.6



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: 118.84 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

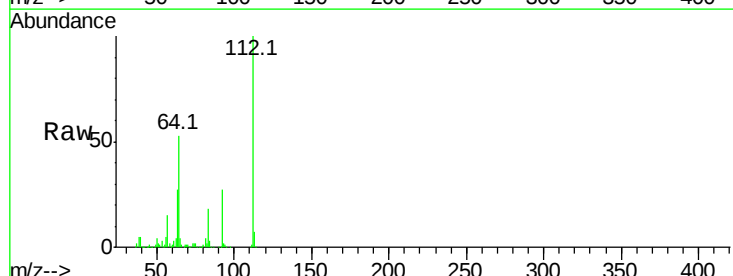
Tgt Ion:112 Resp: 779085

Ion Ratio Lower Upper

112 100

64 52.9 39.9 59.9

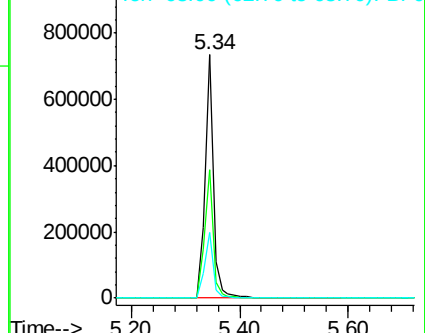
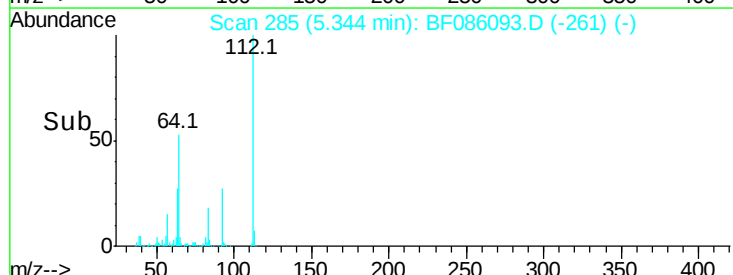
63 26.7 20.2 30.2

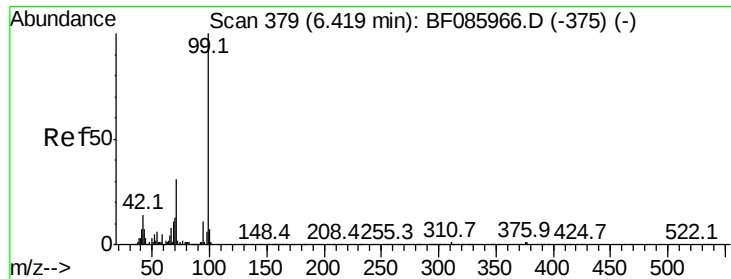


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.24 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

Instrument :

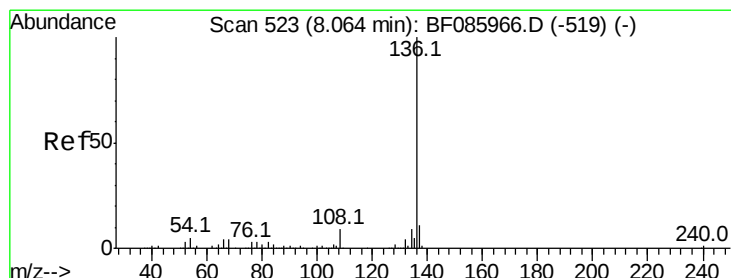
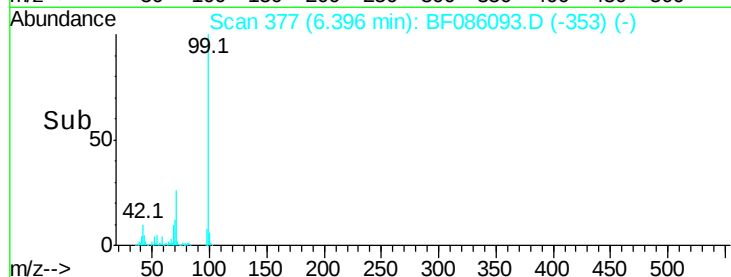
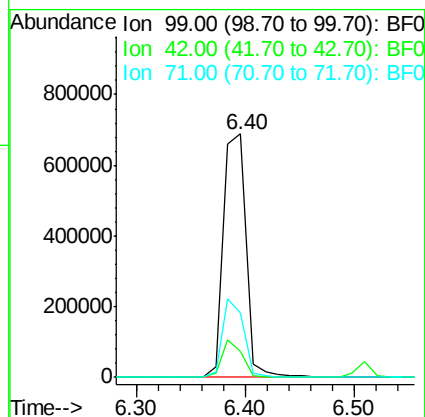
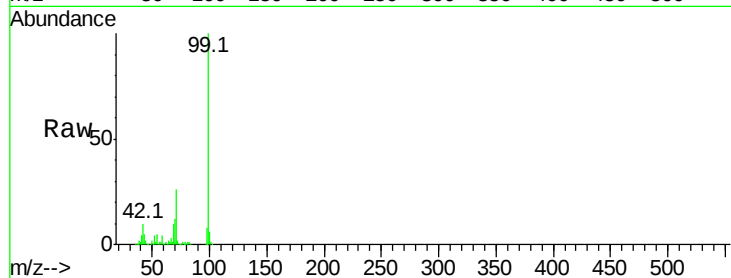
BNA\_F

ClientSampleId :

PB89565BL

Tot Ion: 99 Resp: 1001240

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.5  | 11.1  | 16.7# |
| 71  | 26.4  | 24.9  | 37.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

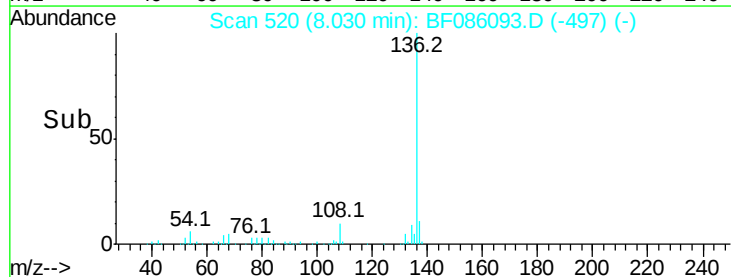
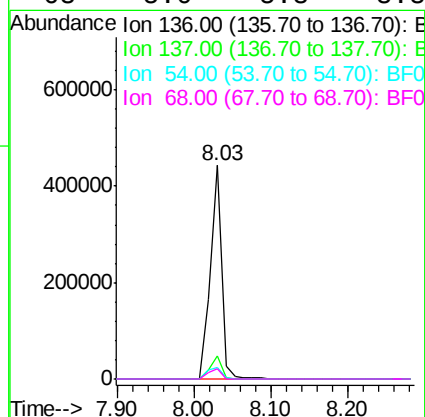
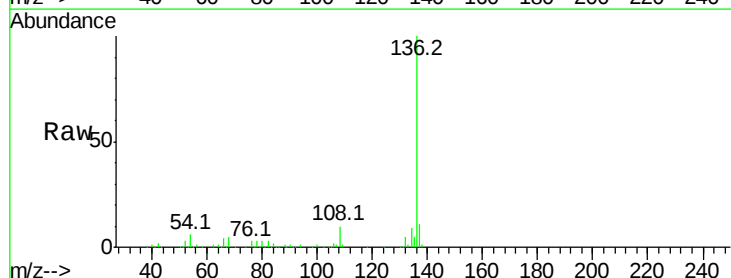
Delta R.T. -0.03 min

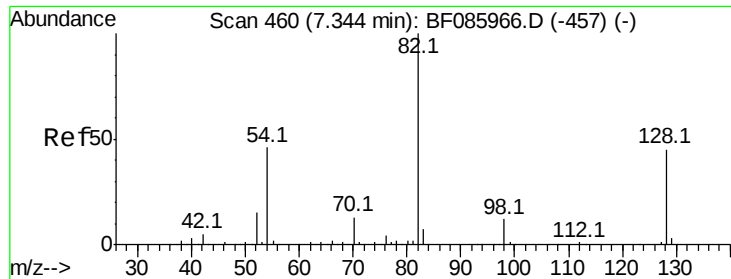
Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

Tgt Ion: 136 Resp: 446658

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.1   | 13.7  |
| 54  | 5.5   | 7.4   | 11.0# |
| 68  | 5.0   | 5.8   | 8.8#  |

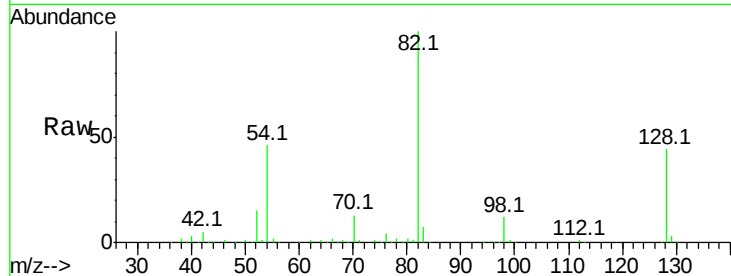




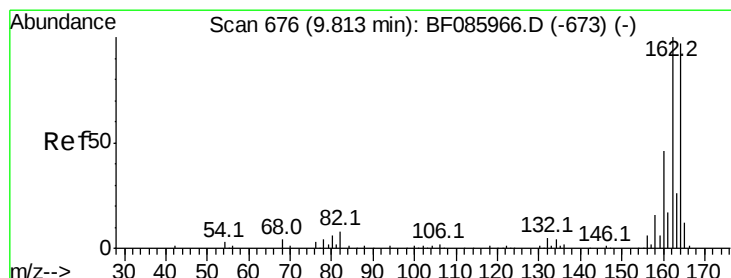
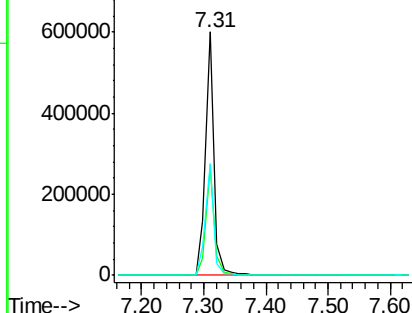
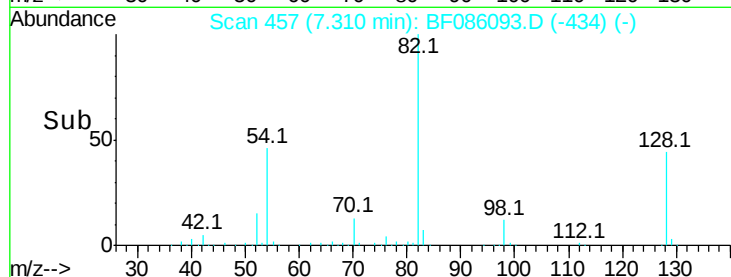
#23  
 Nitrobenzene-d5  
 Concen: 76.57 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89565BL

| Tot Ion   | 82   | Resp | 579921 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 41.8 |      |        |
| Upper     | 62.8 |      |        |
| 54        | 45.8 | 33.4 | 50.0   |

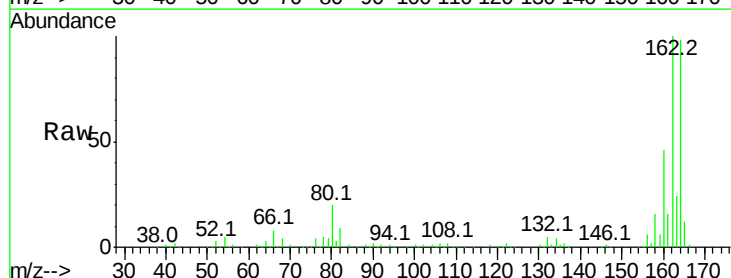


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

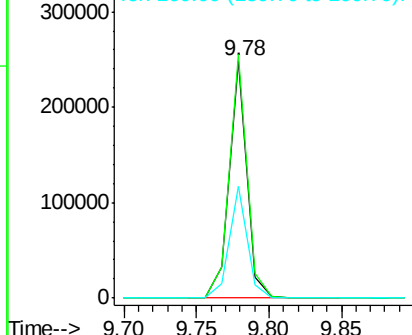
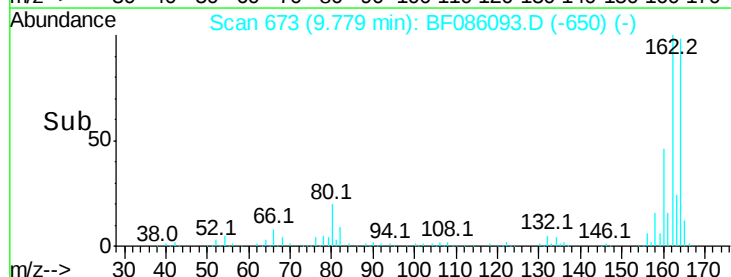


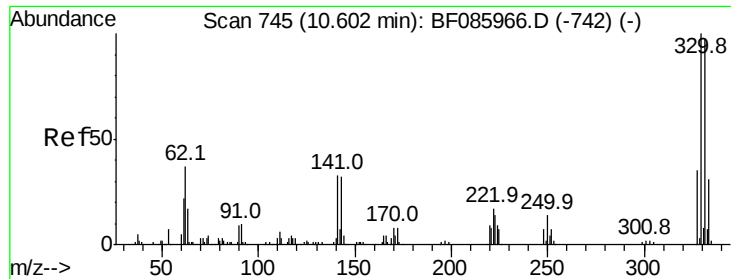
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

| Tgt Ion   | 164   | Resp | 209677 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 82.1  |      |        |
| Upper     | 123.1 |      |        |
| 162       | 102.4 | 37.4 | 56.2   |
| 160       | 47.2  |      |        |



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

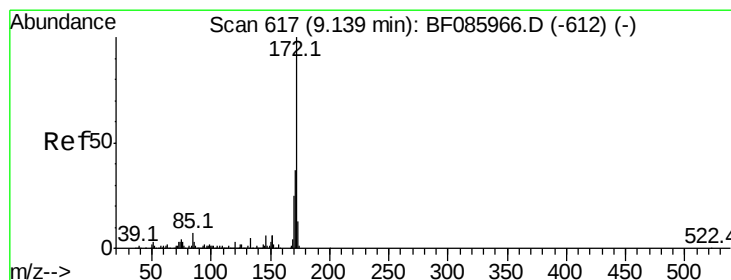
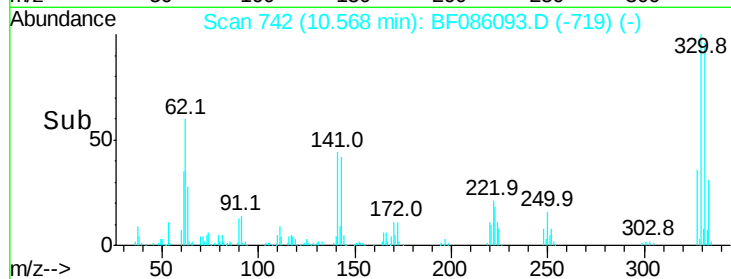
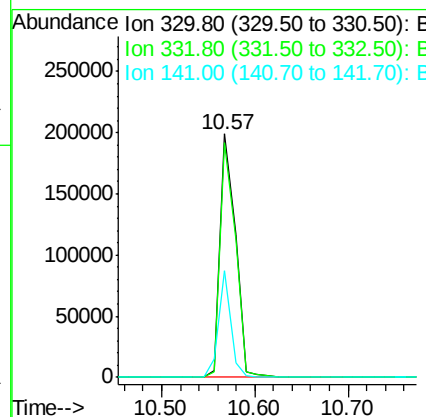
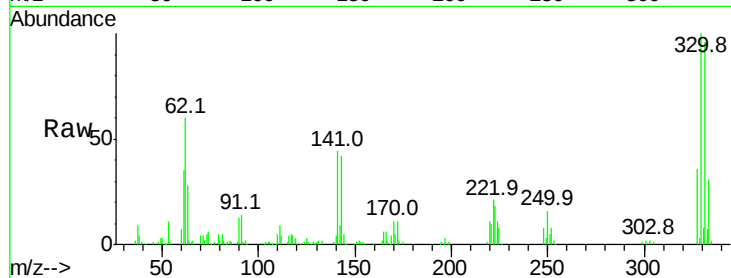




#41  
 2,4,6-Tribromophenol  
 Concen: 115.61 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

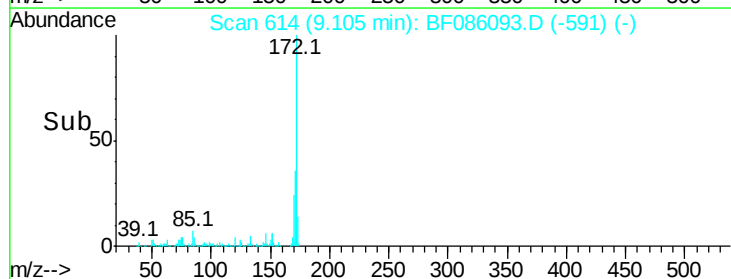
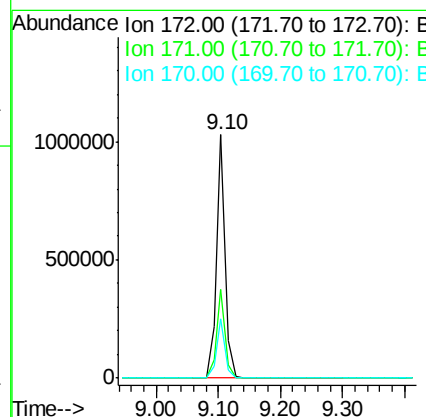
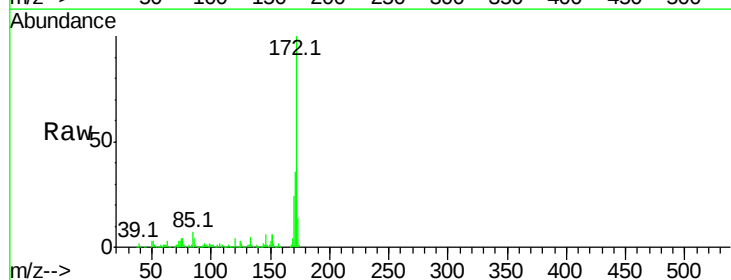
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89565BL

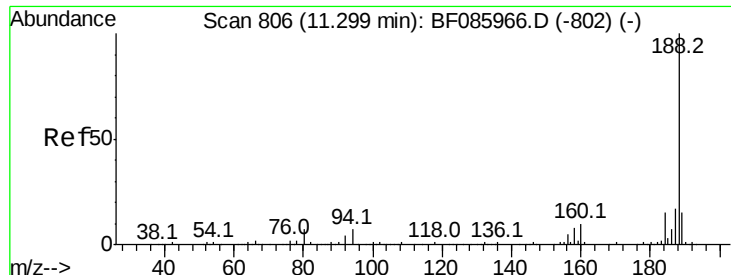
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 78.2  | 117.2 |
| 141     | 35.5  | 31.5  | 47.3  |



#44  
 2-Fluorobiphenyl  
 Concen: 77.48 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.4  | 44.2  |
| 170     | 24.5  | 19.8  | 29.6  |

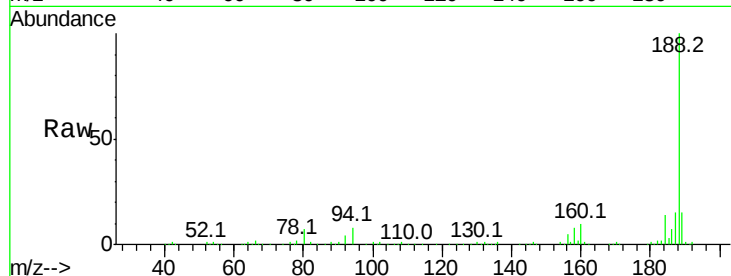




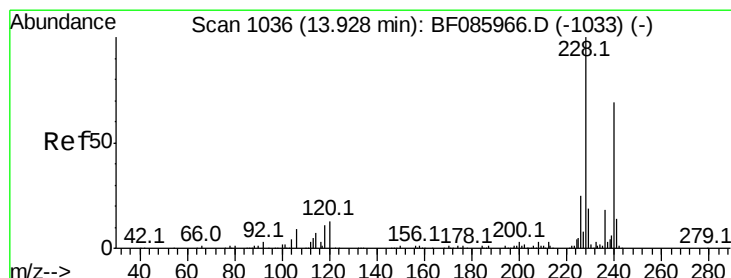
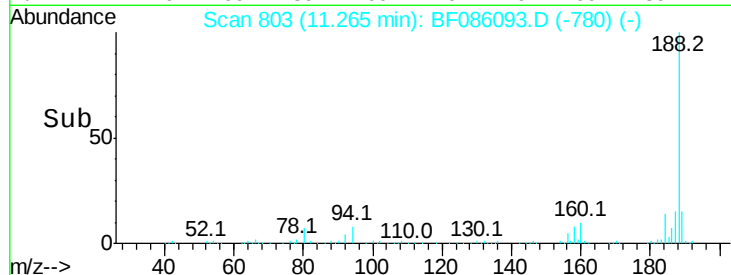
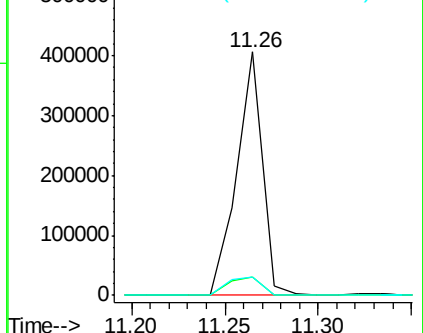
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.26 min Scan# 803  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB89565BL

Tot Ion:188 Resp: 393986  
 Ion Ratio Lower Upper  
 188 100  
 94 7.5 5.4 8.0  
 80 7.5 5.5 8.3

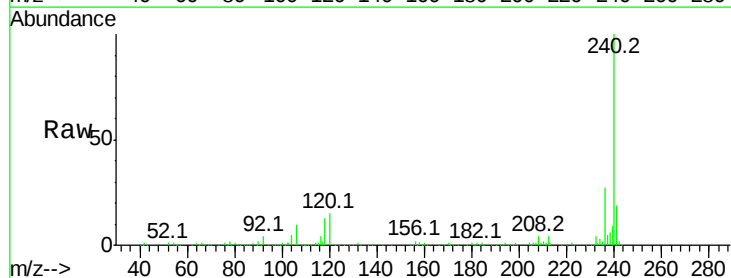


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

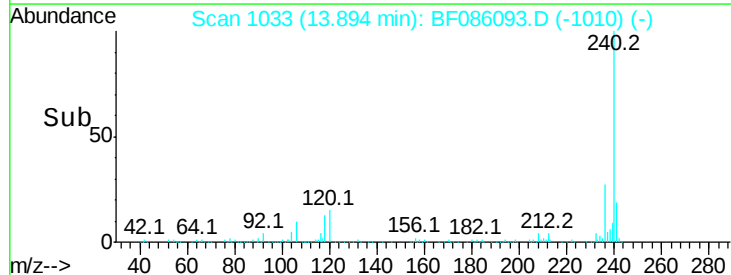
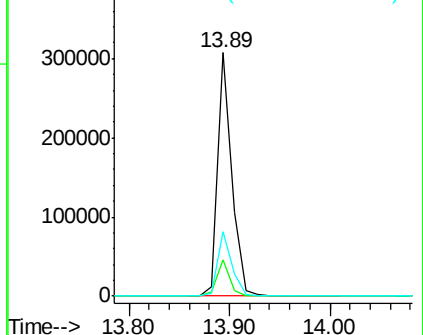


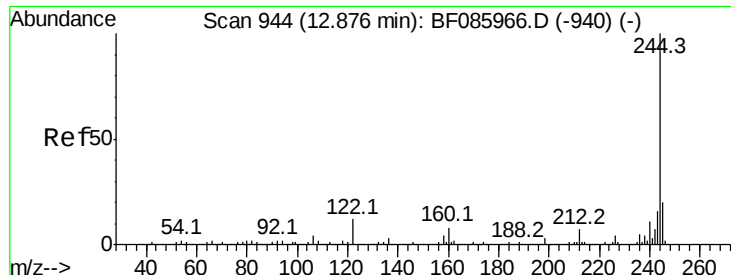
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.89 min Scan# 1033  
 Delta R.T. -0.03 min  
 Lab File: BF086093.D  
 Acq: 6 Apr 2016 12:43

Tgt Ion:240 Resp: 300289  
 Ion Ratio Lower Upper  
 240 100  
 120 14.9 13.8 20.8  
 236 26.6 20.6 30.8



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: 84.18 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

Instrument :

BNA\_F

ClientSampleId :

PB89565BL

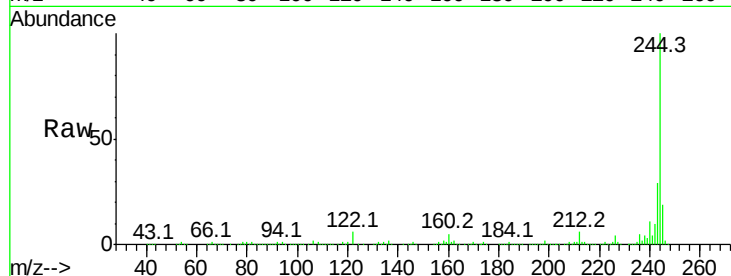
Tot Ion:244 Resp: 1075372

Ion Ratio Lower Upper

244 100

212 6.4 6.1 9.1

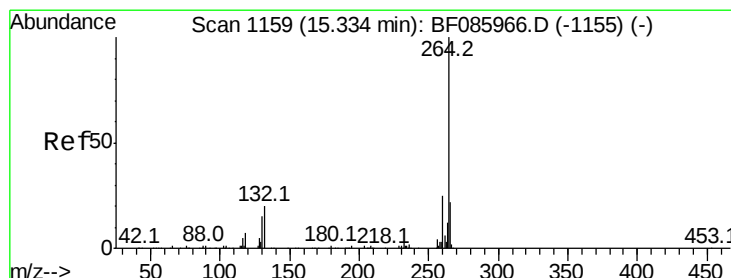
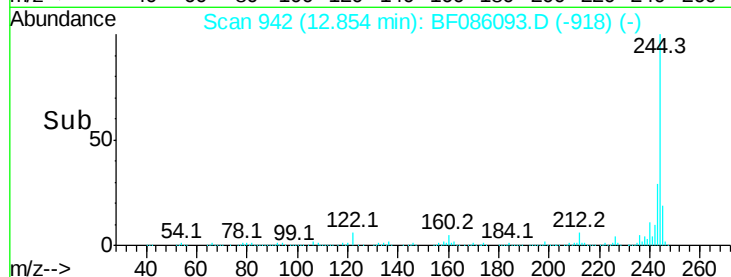
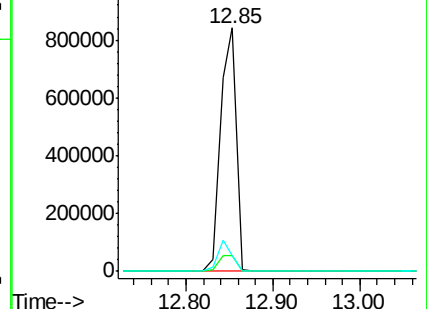
122 6.4 10.2 15.4#



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: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086093.D

Acq: 6 Apr 2016 12:43

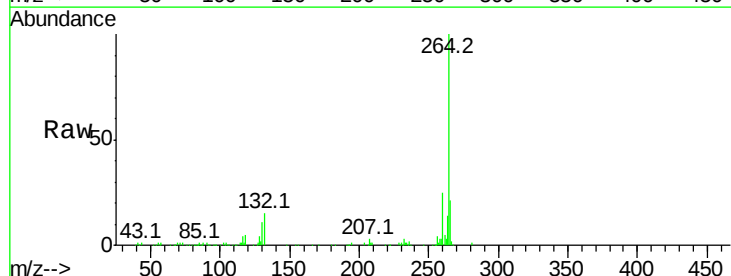
Tgt Ion:264 Resp: 216792

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 21.1 17.2 25.8



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

