

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\  
 Data File : BF086143.D  
 Acq On : 7 Apr 2016 21:31  
 Operator : UM/SJ  
 Sample : H2230-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3-040116

Quant Time: Apr 08 03:34:04 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  | 100610   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.02  | 136  | 410455   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.77  | 164  | 186062   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 369709   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.89 | 240  | 276816   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.29 | 264  | 186440   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 364985   | 62.01  | ng    | -0.03    |
| 7) Phenol-d6                | 6.38  | 99   | 278048   | 37.19  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 691193   | 99.31  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 282061   | 161.51 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1142193  | 102.07 | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.84 | 244  | 1079668  | 91.68  | ng    | -0.03    |

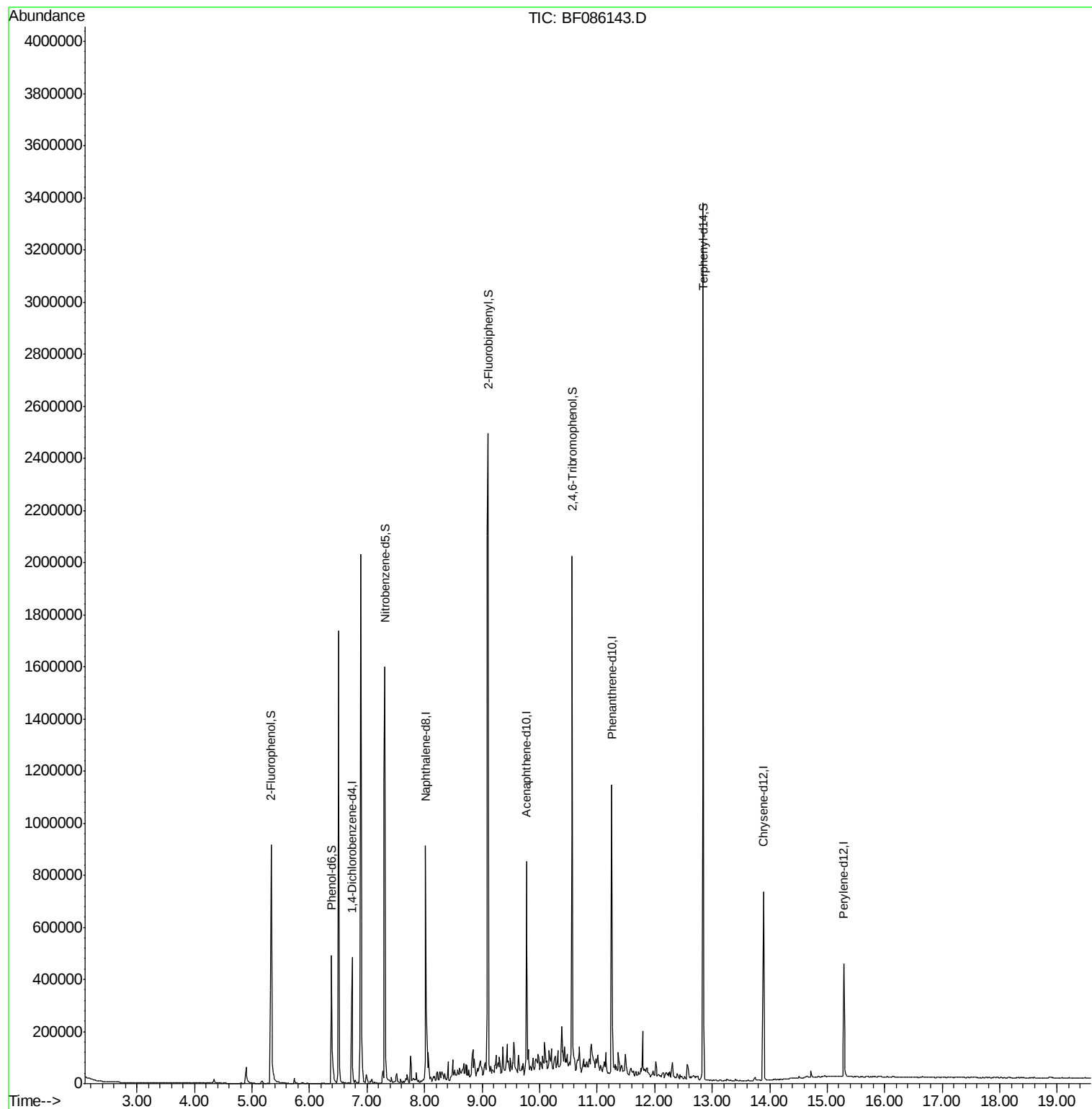
Target Compounds Qvalue

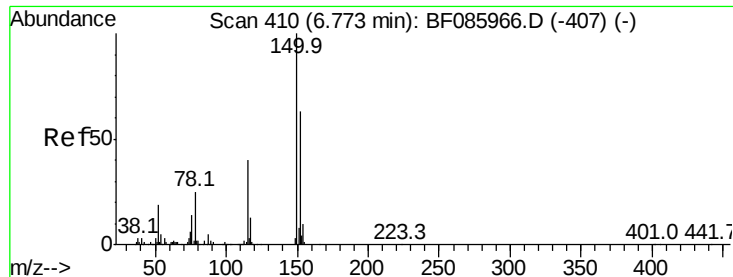
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086143.D

Acq: 7 Apr 2016 21:31

Instrument :

BNA\_F

ClientSampleId :

RW-3-040116

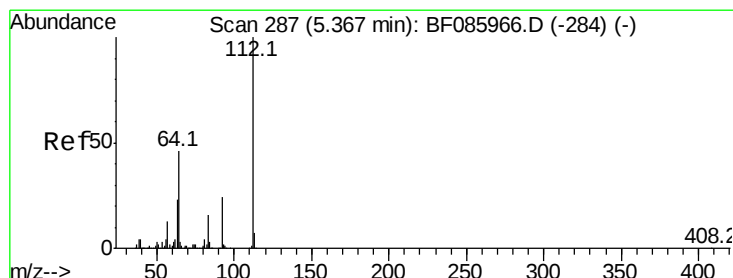
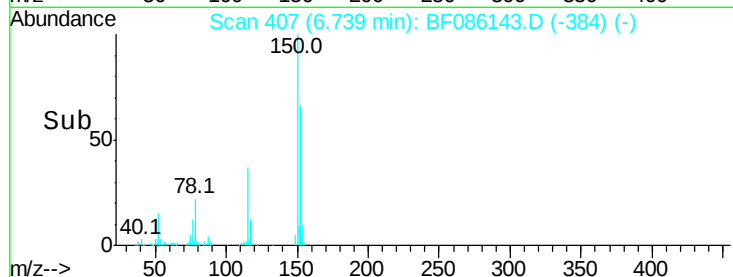
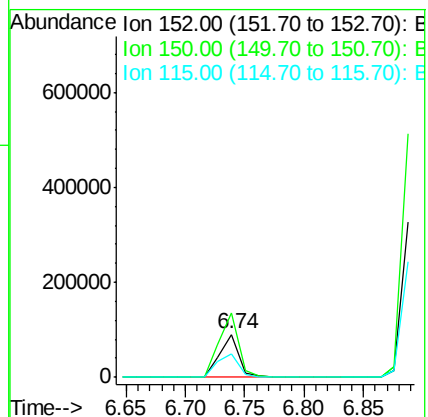
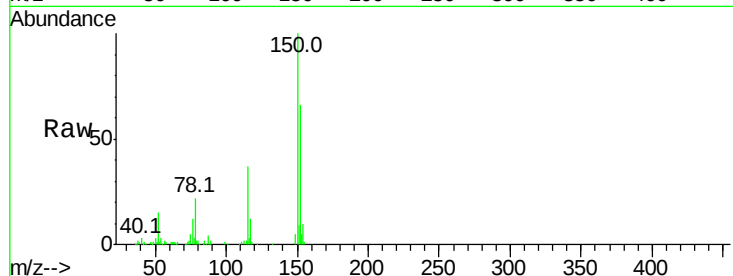
Tot Ion:152 Resp: 100610

Ion Ratio Lower Upper

152 100

150 151.4 124.2 186.2

115 56.2 47.0 70.6



#5

2-Fluorophenol

Concen: 62.01 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

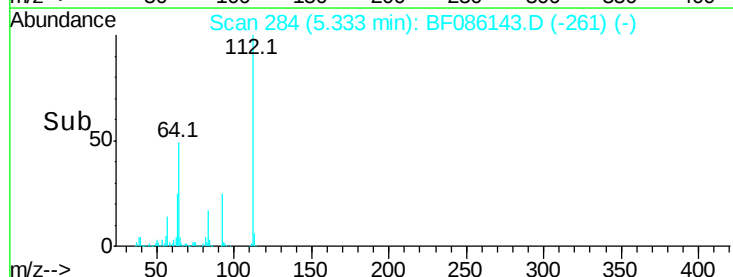
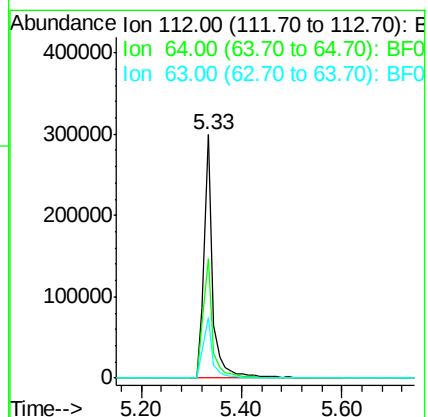
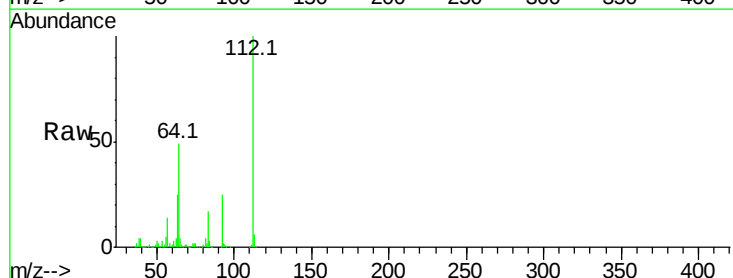
Tgt Ion:112 Resp: 364985

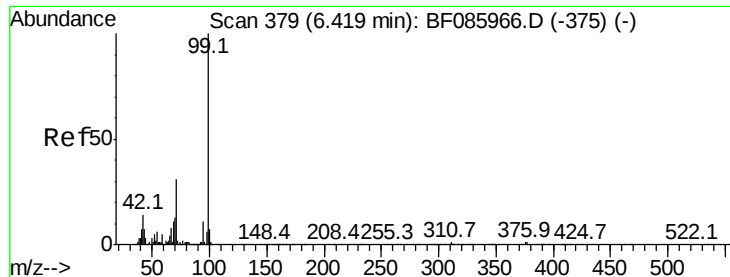
Ion Ratio Lower Upper

112 100

64 48.9 39.9 59.9

63 24.8 20.2 30.2





#7

Phenol-d6

Concen: 37.19 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

Instrument :

BNA\_F

ClientSampleId :

RW-3-040116

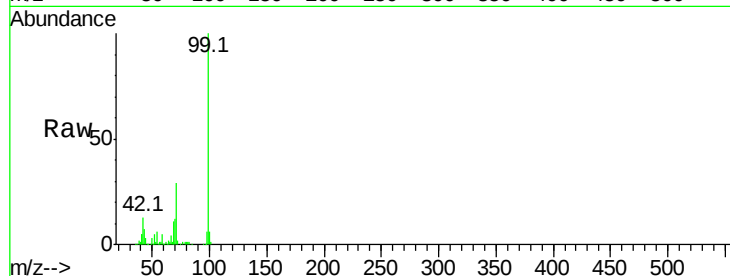
Tot Ion: 99 Resp: 278048

Ion Ratio Lower Upper

99 100

42 12.7 11.1 16.7

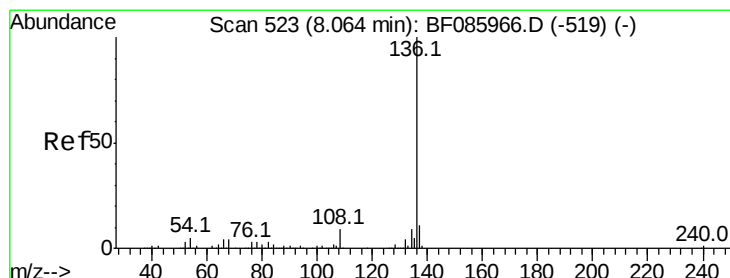
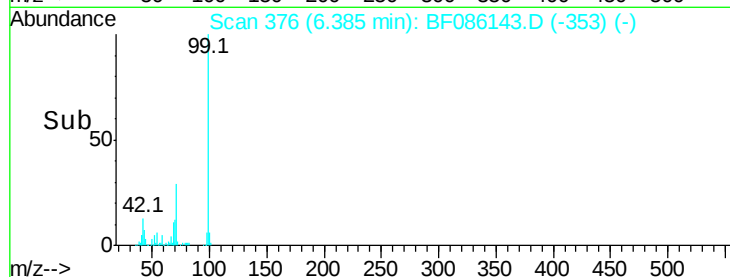
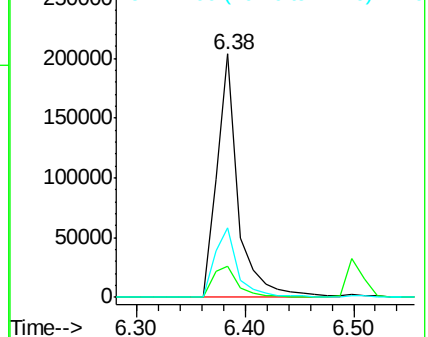
71 28.8 24.9 37.3



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: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

Tgt Ion: 136 Resp: 410455

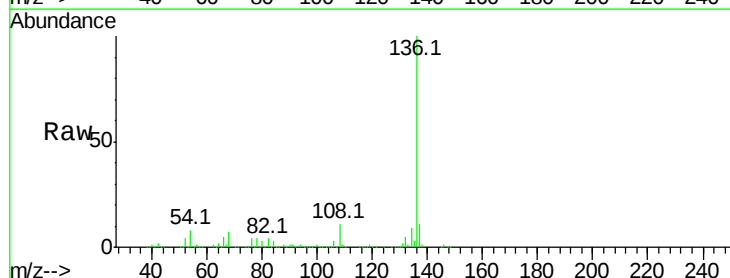
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.8 7.4 11.0

68 6.6 5.8 8.8

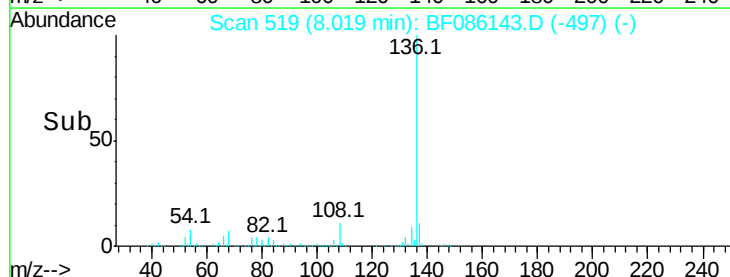
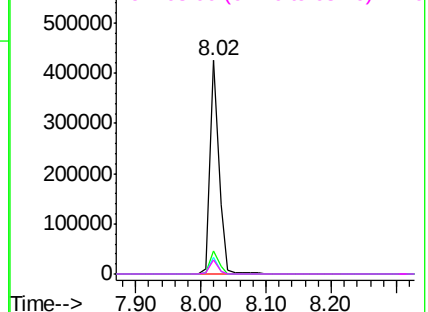


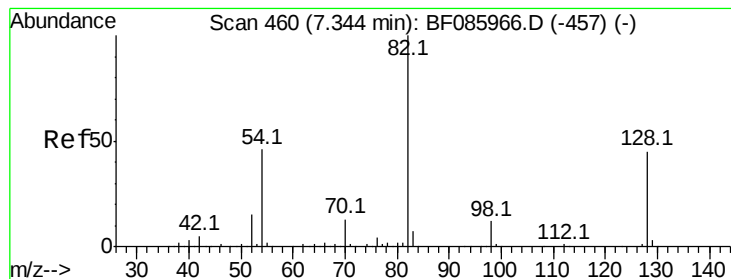
Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.31 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

Instrument :

BNA\_F

ClientSampleId :

RW-3-040116

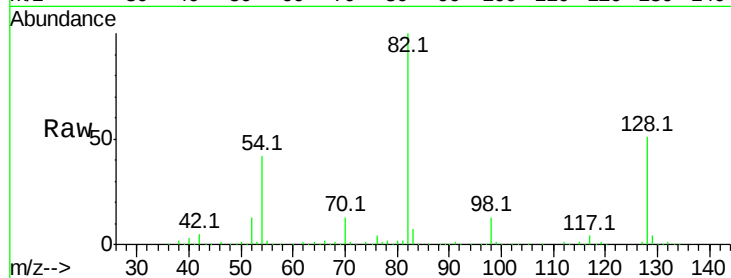
Tot Ion: 82 Resp: 691193

Ion Ratio Lower Upper

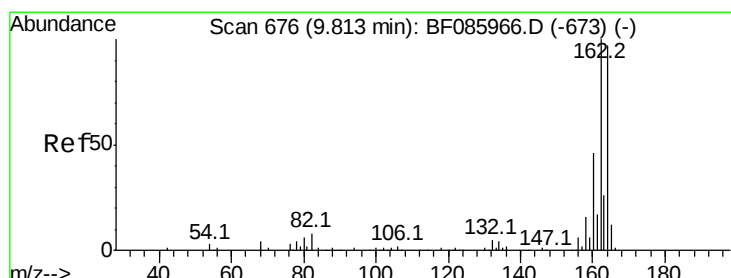
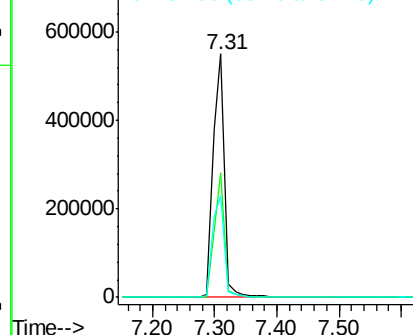
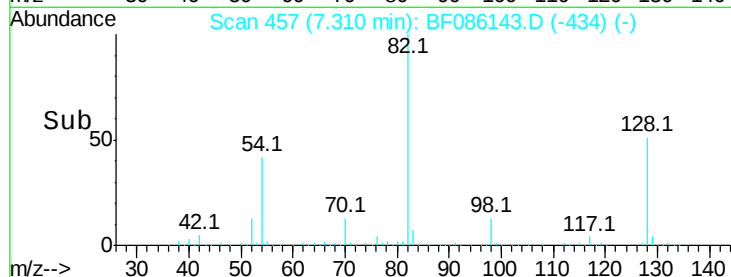
82 100

128 51.1 41.8 62.8

54 41.7 33.4 50.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

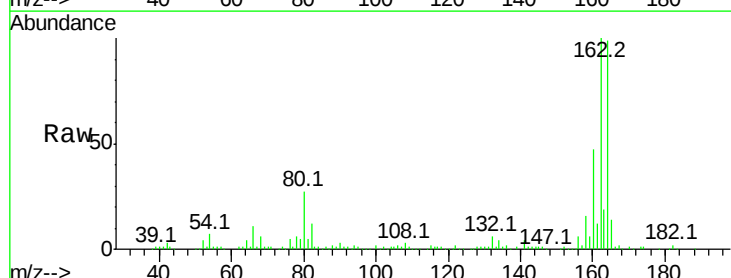
Tgt Ion:164 Resp: 186062

Ion Ratio Lower Upper

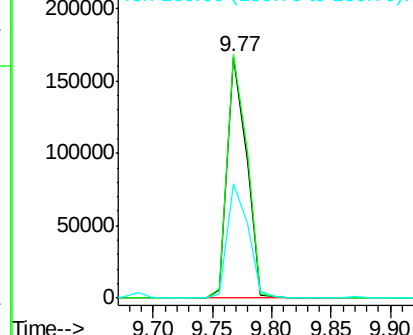
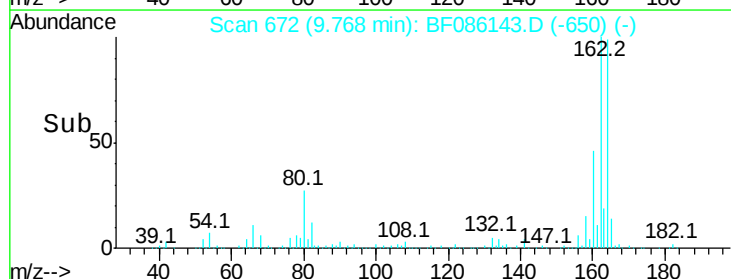
164 100

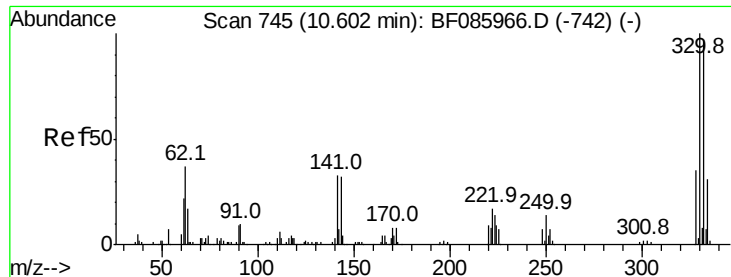
162 100.9 82.1 123.1

160 47.3 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B

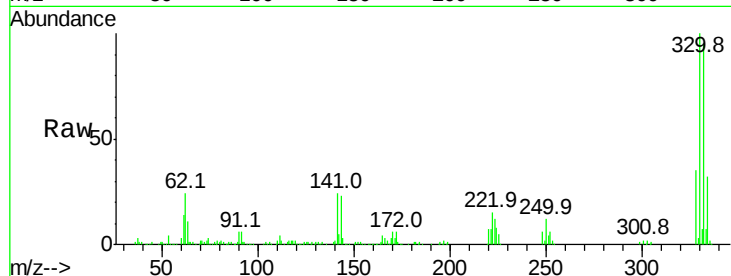




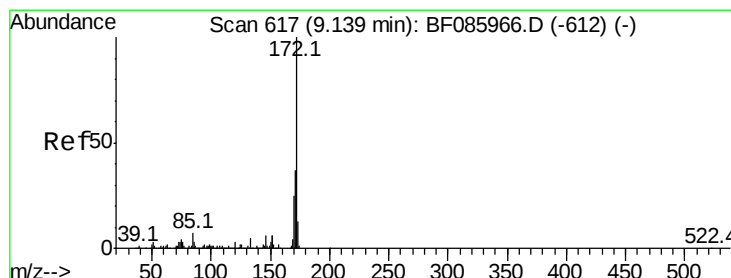
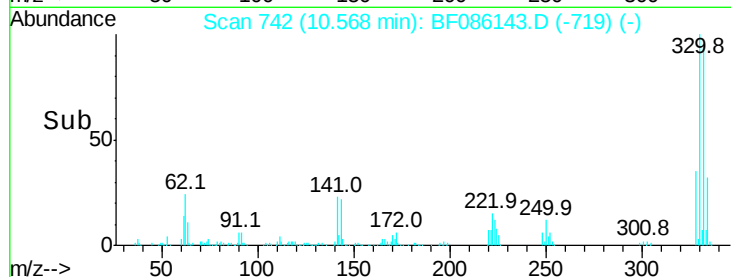
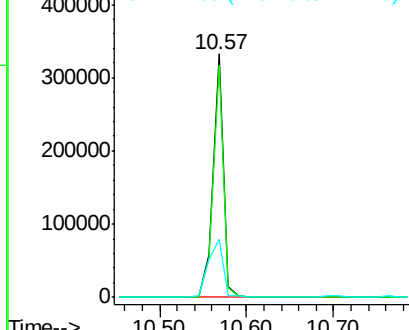
#41  
 2,4,6-Tribromophenol  
 Concen: 161.51 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086143.D  
 Acq: 7 Apr 2016 21:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3-040116

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 78.2  | 117.2 |
| 141     | 33.2  | 31.5  | 47.3  |

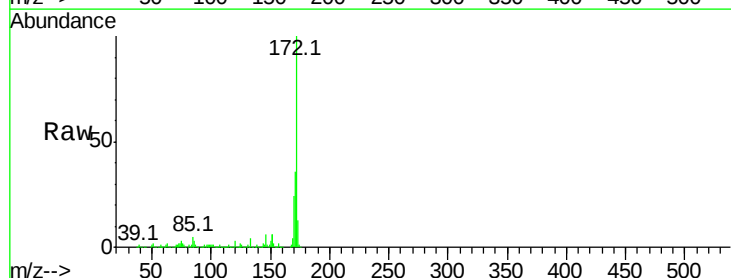


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

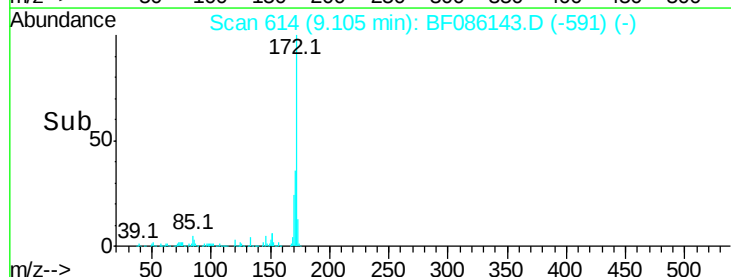
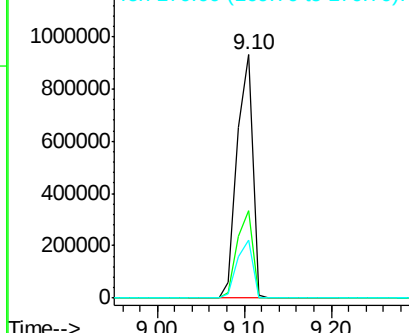


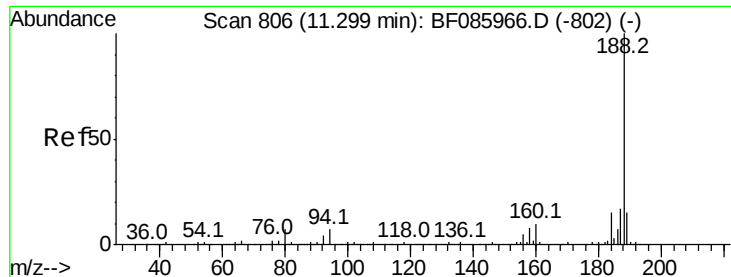
#44  
 2-Fluorobiphenyl  
 Concen: 102.07 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086143.D  
 Acq: 7 Apr 2016 21:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.4  | 44.2  |
| 170     | 23.8  | 19.8  | 29.6  |



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: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

Instrument :

BNA\_F

ClientSampleId :

RW-3-040116

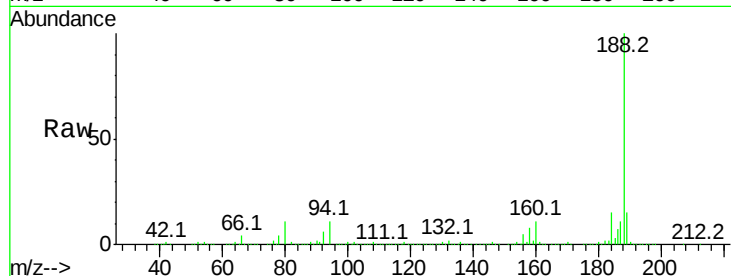
Tot Ion:188 Resp: 369709

Ion Ratio Lower Upper

188 100

94 10.8 5.4 8.0#

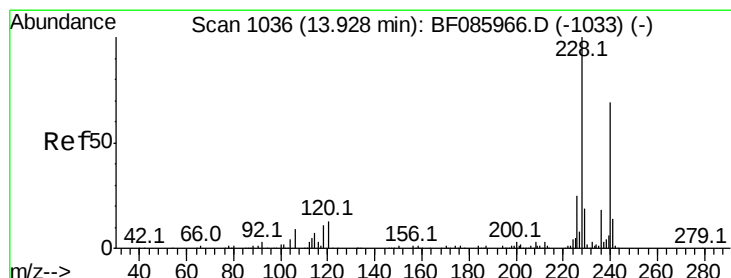
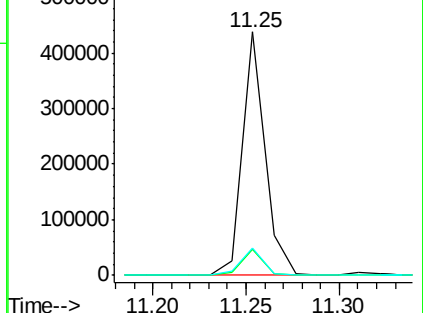
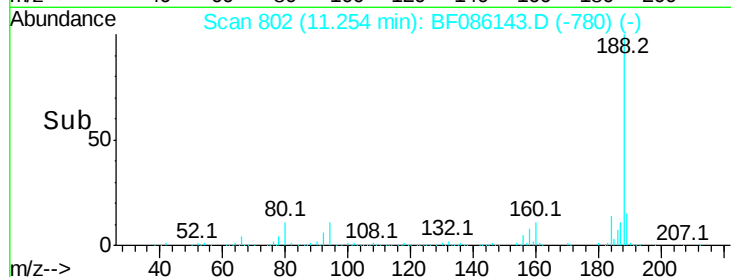
80 11.3 5.5 8.3#



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: BF086143.D

Acq: 7 Apr 2016 21:31

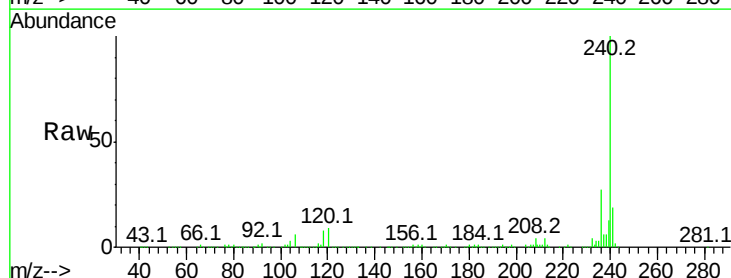
Tgt Ion:240 Resp: 276816

Ion Ratio Lower Upper

240 100

120 8.9 13.8 20.8#

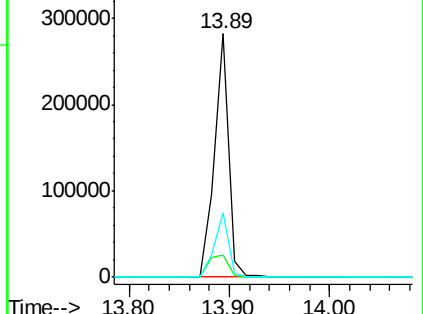
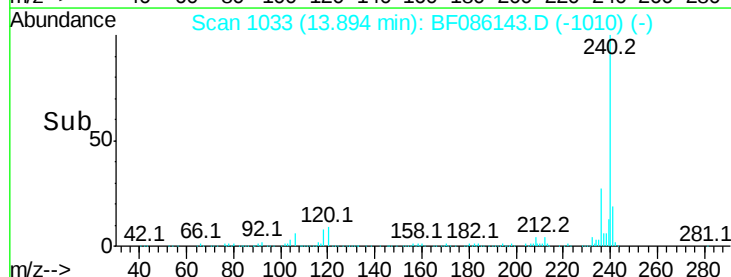
236 26.6 20.6 30.8

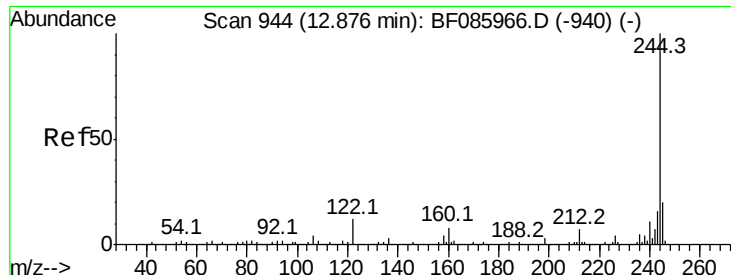


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.68 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

Instrument :

BNA\_F

ClientSampleId :

RW-3-040116

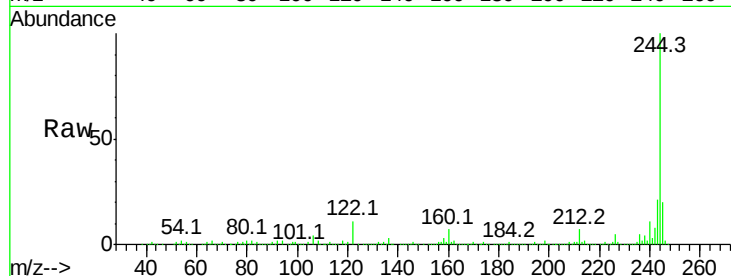
Tot Ion:244 Resp: 1079668

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

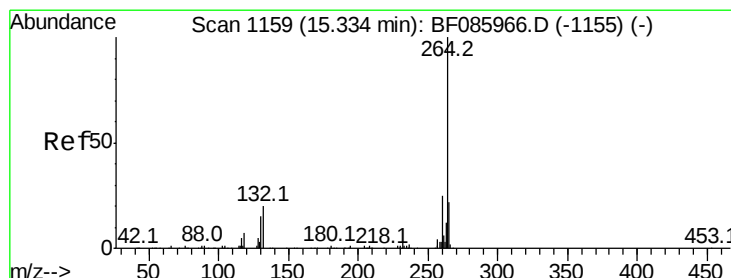
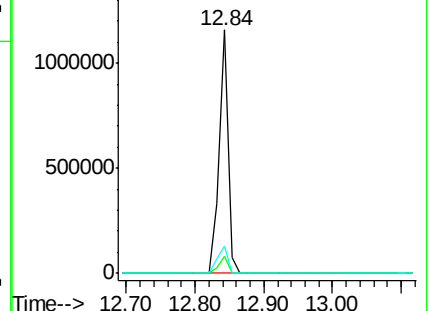
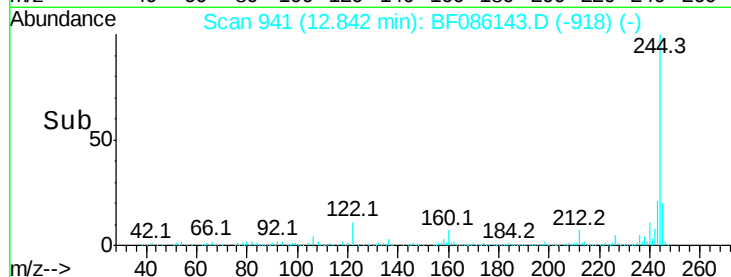
122 11.1 10.2 15.4



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: 15.29 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF086143.D

Acq: 7 Apr 2016 21:31

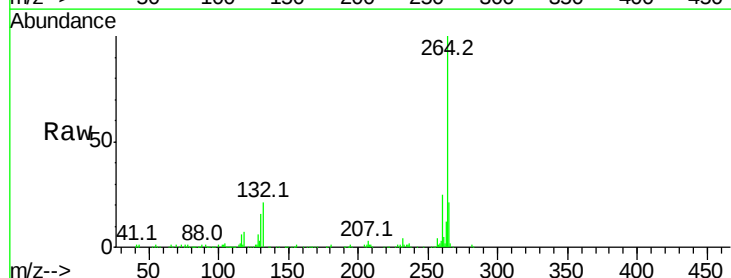
Tgt Ion:264 Resp: 186440

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 20.7 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

