

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071615\  
 Data File : BF080531.D  
 Acq On : 17 Jul 2015 2:24  
 Operator : TP/UM  
 Sample : G2973-17  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

Quant Time: Jul 17 08:15:01 2015  
 Quant Title :  
 QLast Update : Thu Jul 16 17:11:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.07  | 152  | 30539    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.36  | 136  | 129772   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.12 | 164  | 57141    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.61 | 188  | 115989   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.42 | 240  | 87113    | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 16.12 | 264  | 84777    | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 114916   | 64.15 | ng    | 0.01     |
| 7) Phenol-d6                | 6.72  | 99   | 151080   | 62.10 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.64  | 82   | 96434    | 43.62 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.91 | 330  | 33575    | 75.52 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.44  | 172  | 207171   | 49.34 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.22 | 244  | 207184   | 49.31 | ng    | -0.01    |

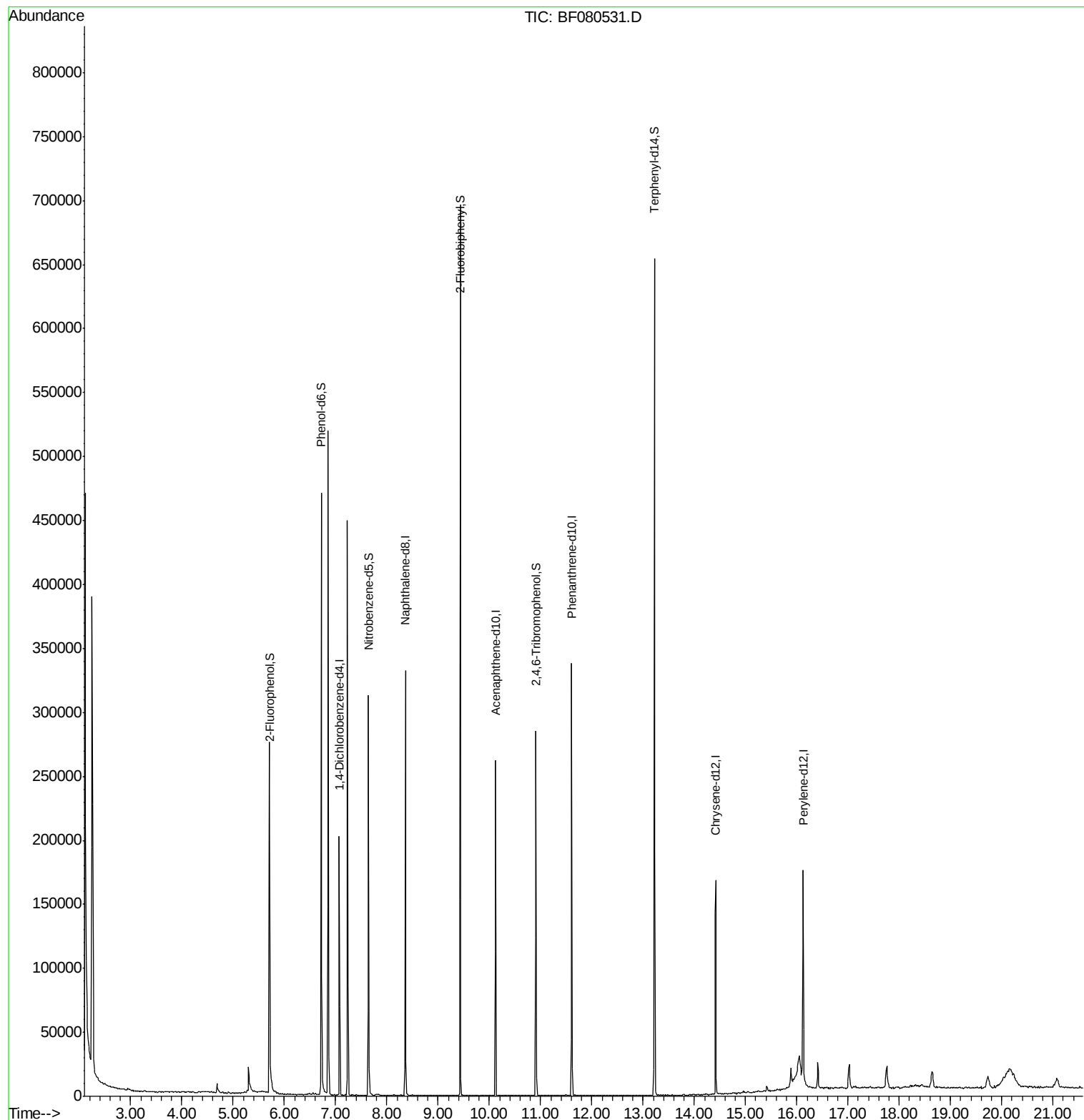
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

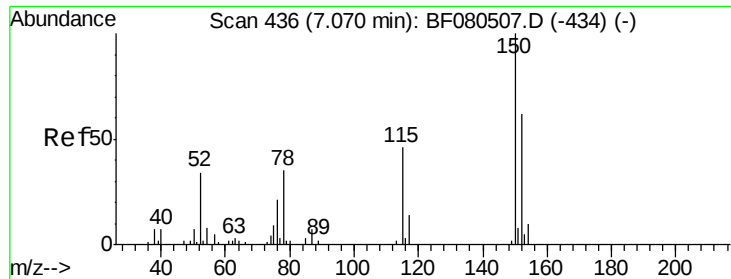
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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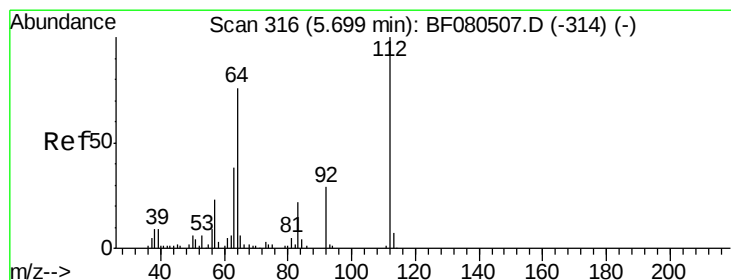
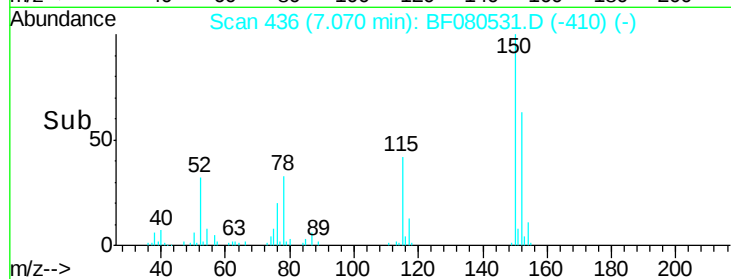
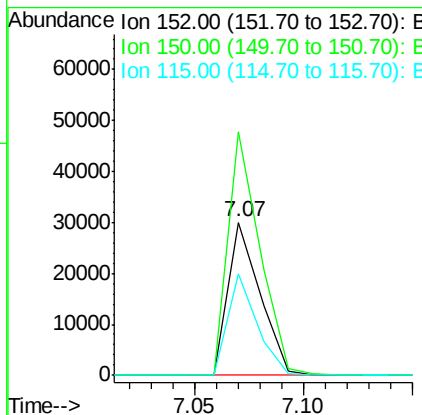
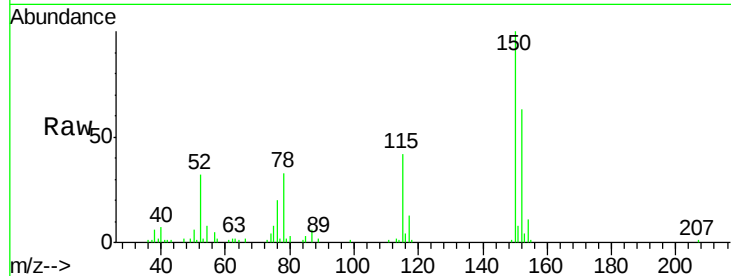


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.07 min Scan# 436  
 Delta R.T. 0.00 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

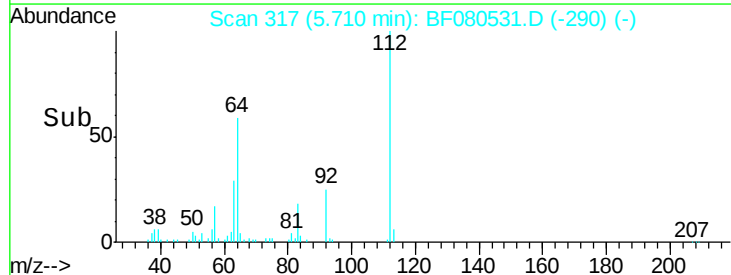
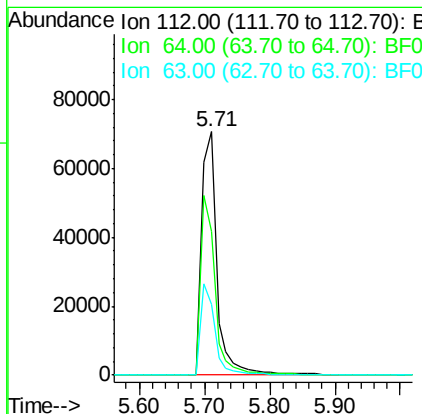
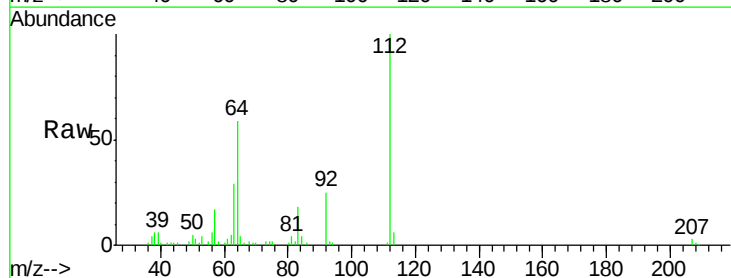
Tgt Ion:152 Resp: 30539  
 Ion Ratio Lower Upper  
 152 100  
 150 158.8 124.7 187.1  
 115 66.4 39.0 58.4#

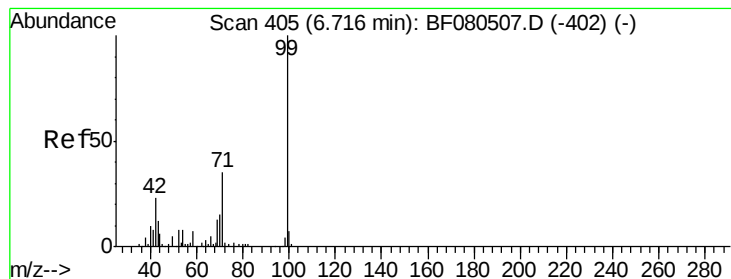


#5

2-Fluorophenol  
 Concen: 64.15 ng  
 RT: 5.71 min Scan# 317  
 Delta R.T. 0.01 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Tgt Ion:112 Resp: 114916  
 Ion Ratio Lower Upper  
 112 100  
 64 58.9 39.7 59.5  
 63 29.0 17.4 26.0#





#7

Phenol-d6

Concen: 62.10 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF080531.D

Acq: 17 Jul 2015 2:24

Instrument :

BNA\_F

ClientSampleId :

FB

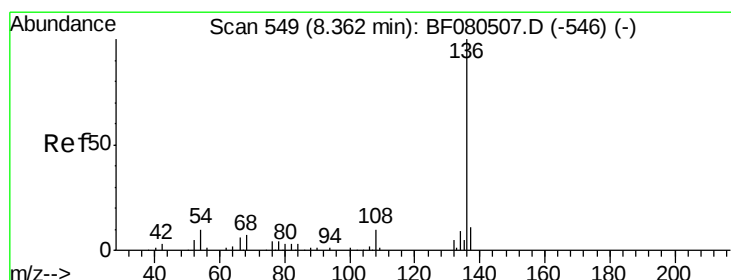
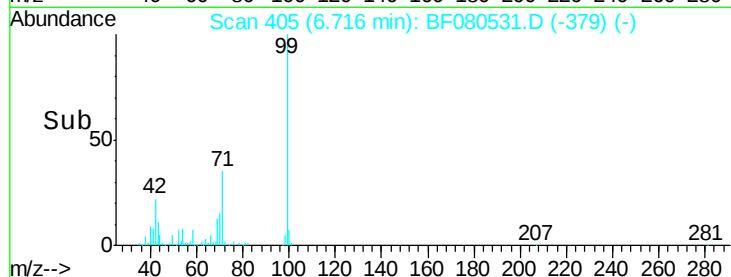
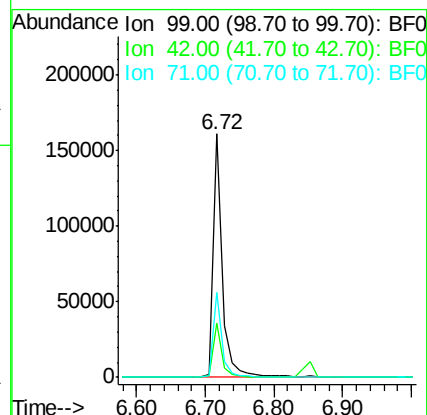
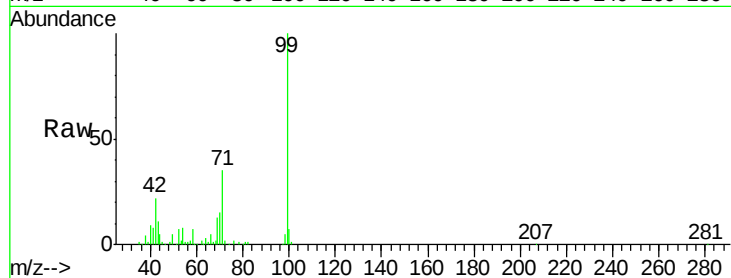
Tgt Ion: 99 Resp: 151080

Ion Ratio Lower Upper

99 100

42 22.2 13.7 20.5#

71 35.1 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.36 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF080531.D

Acq: 17 Jul 2015 2:24

Tgt Ion: 136 Resp: 129772

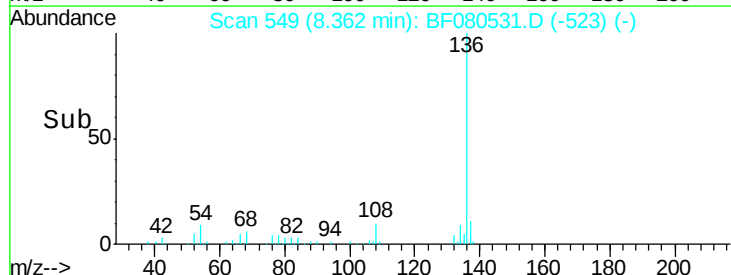
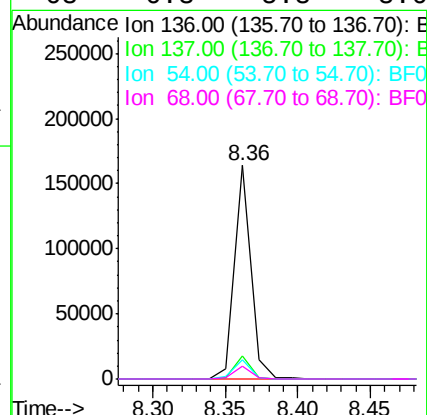
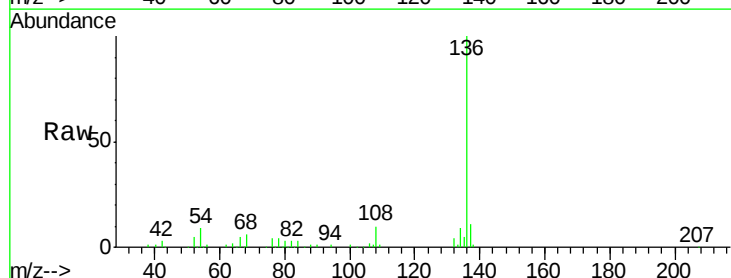
Ion Ratio Lower Upper

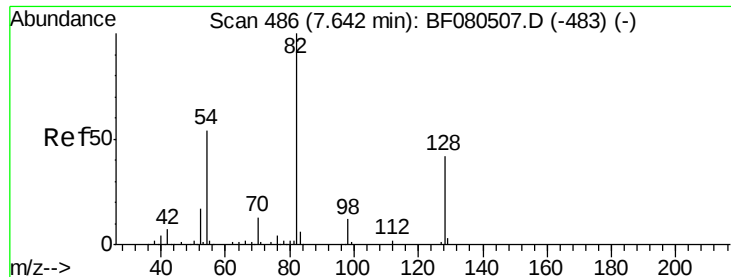
136 100

137 10.8 9.0 13.6

54 8.9 8.2 12.2

68 6.3 5.8 8.6

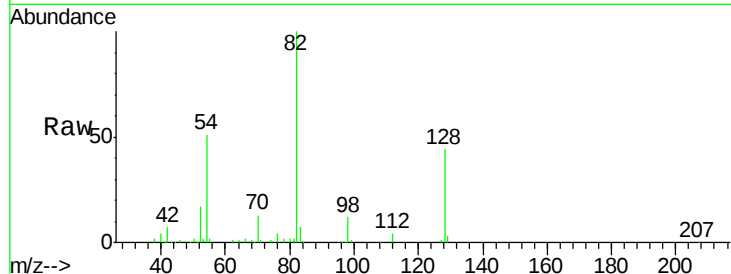




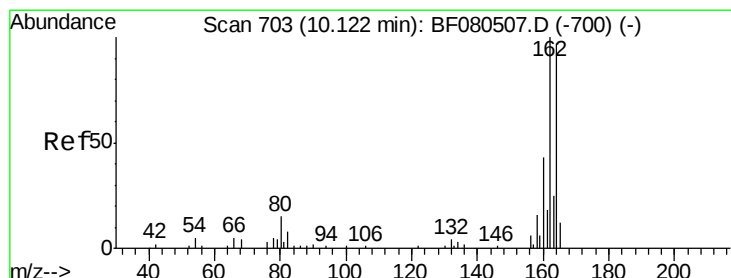
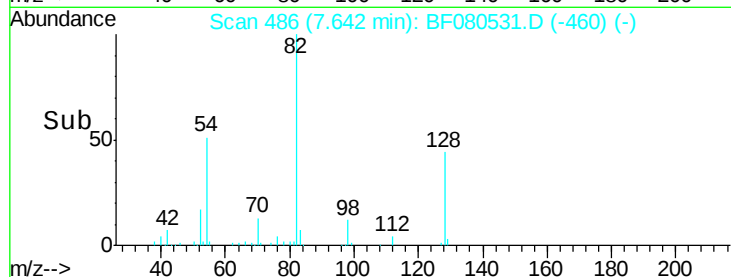
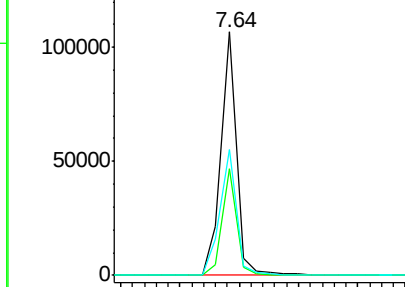
#23  
 Nitrobenzene-d5  
 Concen: 43.62 ng  
 RT: 7.64 min Scan# 486  
 Delta R.T. 0.00 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Instrument :  
 BNA\_F  
 ClientSampled :  
 FB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.8  | 51.0  | 76.6# |
| 54      | 51.5  | 47.5  | 71.3  |

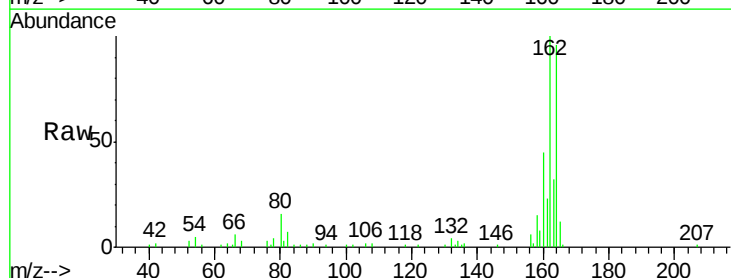


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

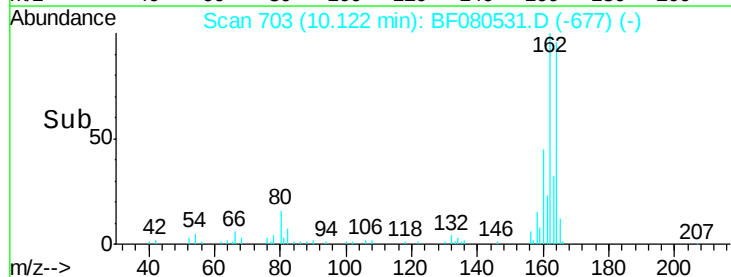
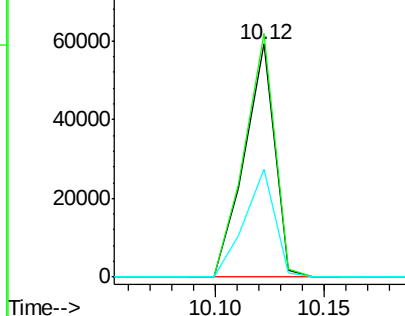


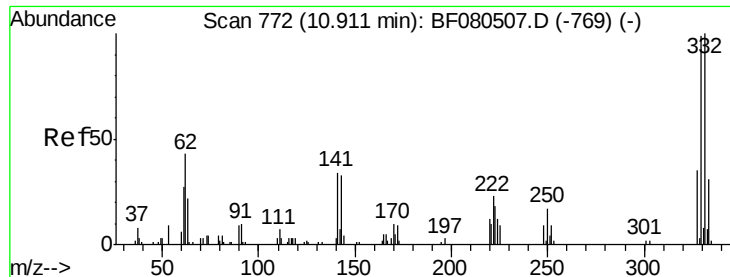
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.12 min Scan# 703  
 Delta R.T. 0.00 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.5 | 75.2  | 112.8 |
| 160     | 46.6  | 31.5  | 47.3  |



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

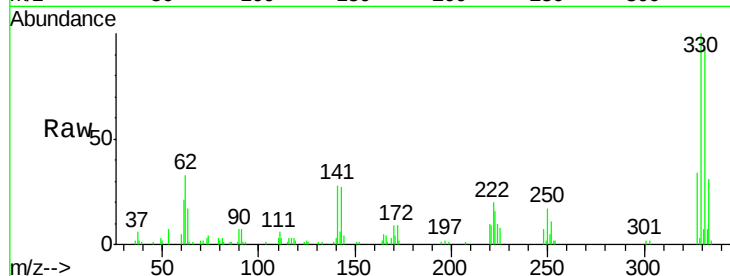




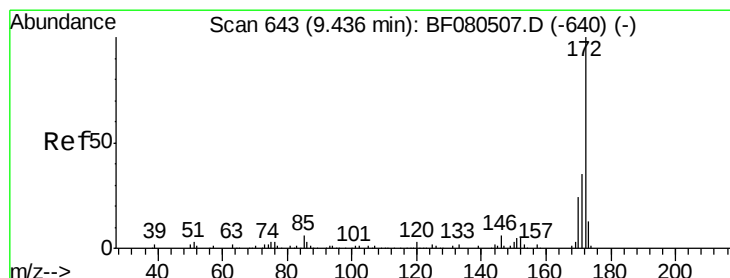
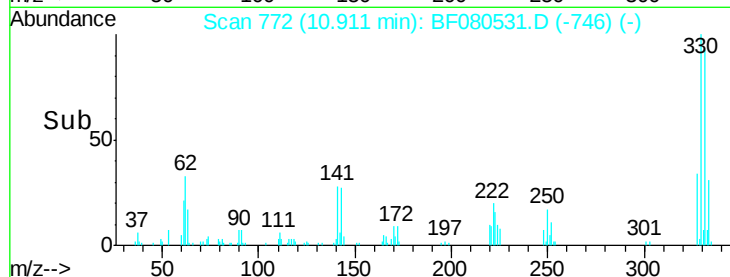
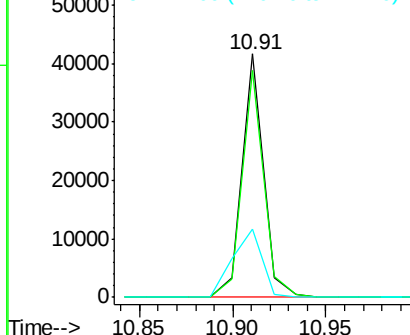
#41  
 2,4,6-Tribromophenol  
 Concen: 75.52 ng  
 RT: 10.91 min Scan# 772  
 Delta R.T. 0.00 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 76.6  | 114.8 |
| 141     | 38.9  | 29.7  | 44.5  |

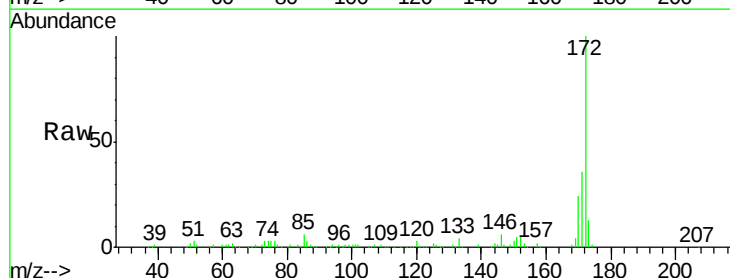


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

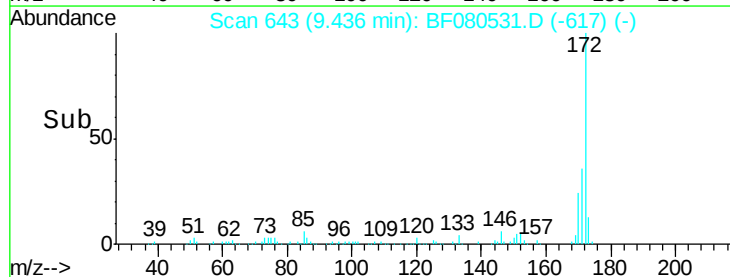
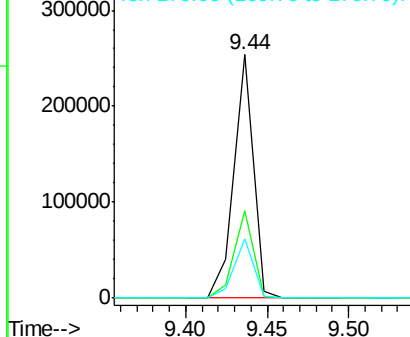


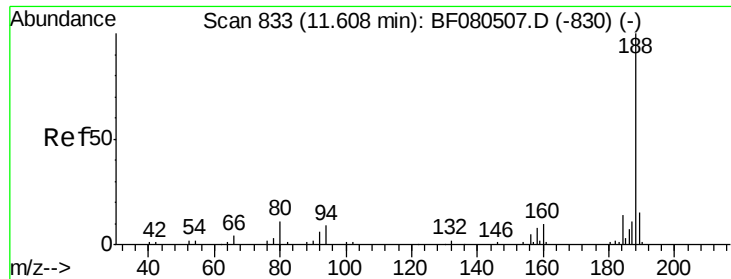
#44  
 2-Fluorobiphenyl  
 Concen: 49.34 ng  
 RT: 9.44 min Scan# 643  
 Delta R.T. 0.00 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 26.1  | 39.1  |
| 170     | 24.3  | 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: 11.61 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF080531.D

Acq: 17 Jul 2015 2:24

Instrument :

BNA\_F

ClientSampleId :

FB

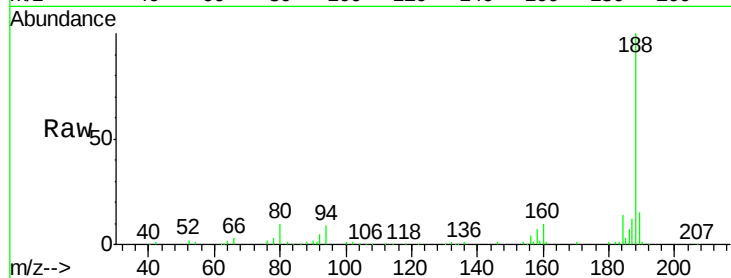
Tgt Ion:188 Resp: 115989

Ion Ratio Lower Upper

188 100

94 8.8 11.1 16.7#

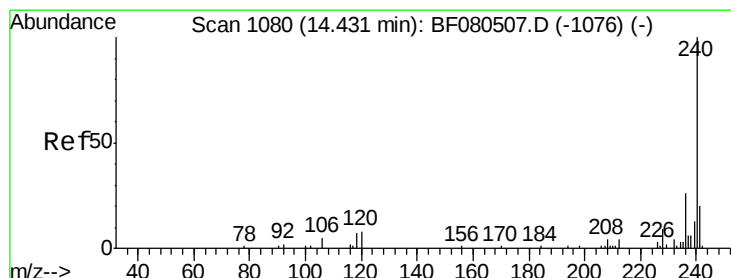
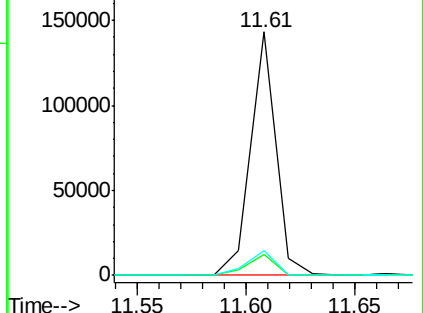
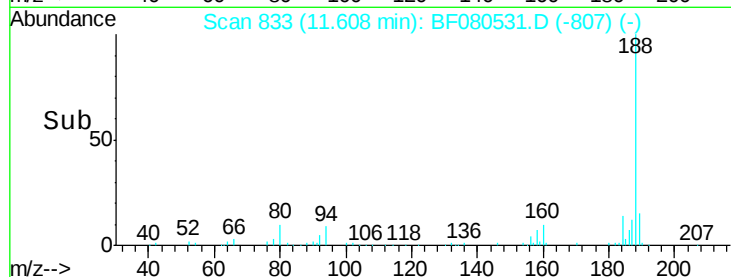
80 10.0 11.0 16.4#



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: 14.42 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BF080531.D

Acq: 17 Jul 2015 2:24

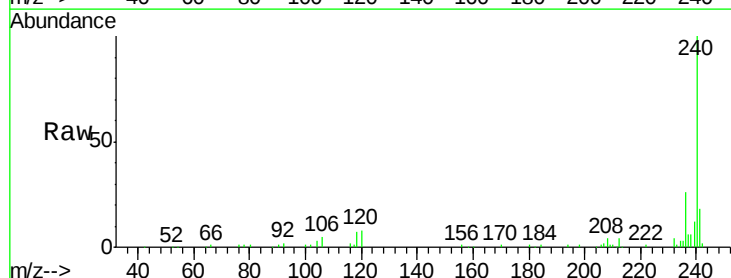
Tgt Ion:240 Resp: 87113

Ion Ratio Lower Upper

240 100

120 8.0 16.2 24.2#

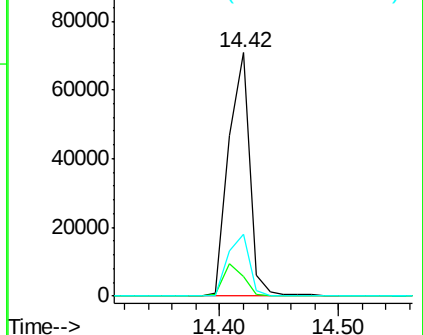
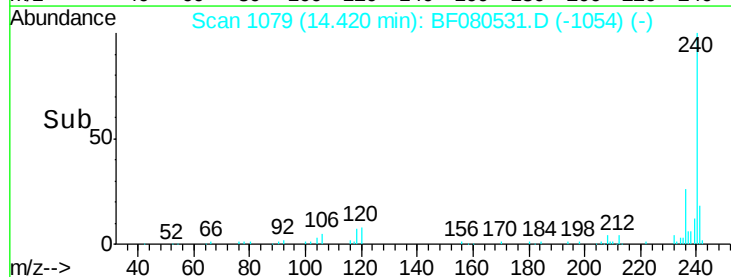
236 25.6 18.4 27.6

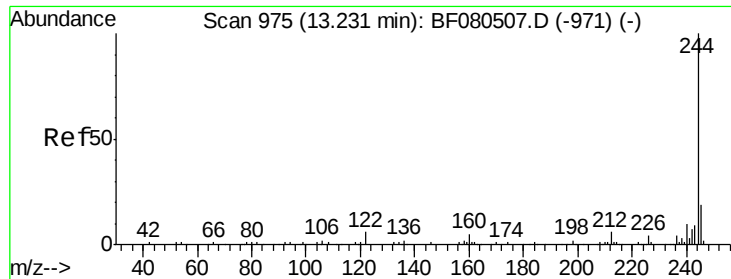


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

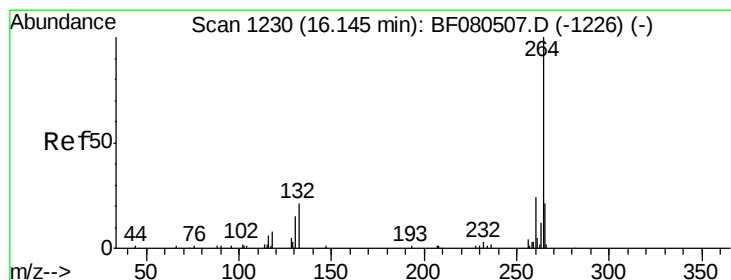
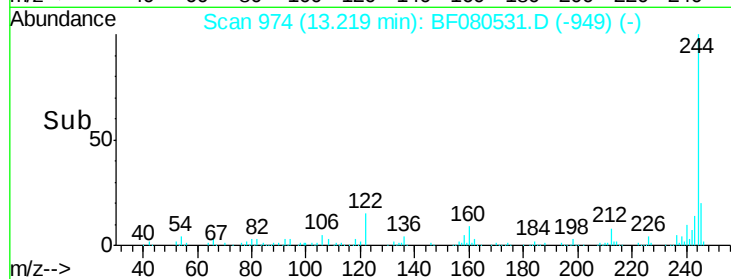
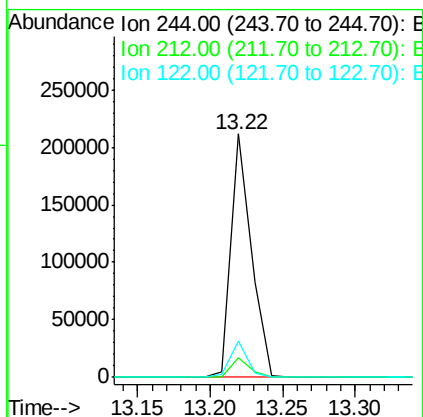
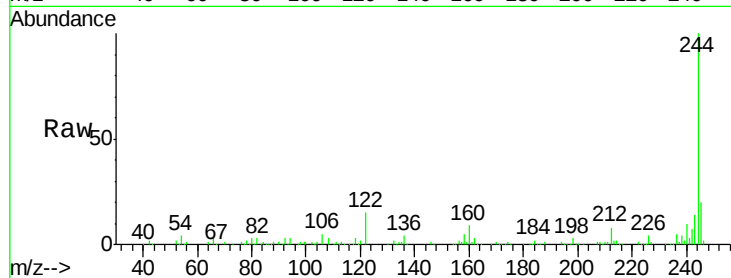




#78  
 Terphenyl-d14  
 Concen: 49.31 ng  
 RT: 13.22 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Instrument :  
 BNA\_F  
 ClientSampled :  
 FB

Tgt Ion:244 Resp: 207184  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 4.3 6.5#  
 122 15.0 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.12 min Scan# 1228  
 Delta R.T. -0.02 min  
 Lab File: BF080531.D  
 Acq: 17 Jul 2015 2:24

Tgt Ion:264 Resp: 84777  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 16.7 25.1  
 265 20.7 17.2 25.8

