

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\  
 Data File : BF086314.D  
 Acq On : 20 Apr 2016 17:47  
 Operator : UM/SJ  
 Sample : H2625-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5

Quant Time: Apr 21 01:24:45 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 20 15:45:26 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 267999   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.14  | 136  | 1107918  | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.89  | 164  | 480697   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 822184   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.01 | 240  | 508818   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 15.44 | 264  | 458697   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 909601   | 59.22  | ng    | -0.03    |
| 7) Phenol-d6                | 6.49  | 99   | 789551   | 39.28  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1616822  | 83.58  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 524447   | 139.98 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 2581839  | 109.11 | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.97 | 244  | 1787645  | 83.63  | ng    | -0.03    |

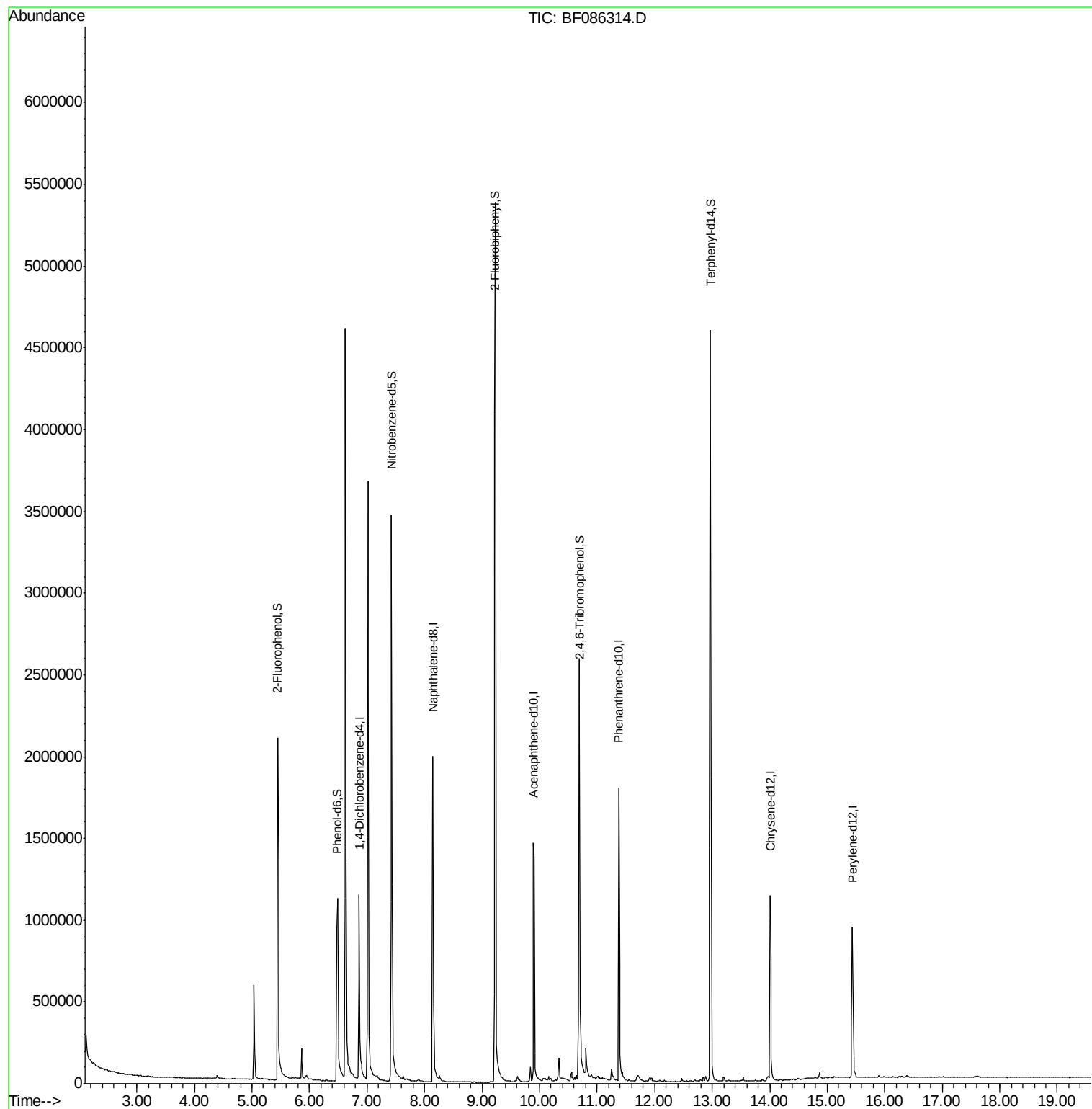
Target Compounds Qvalue

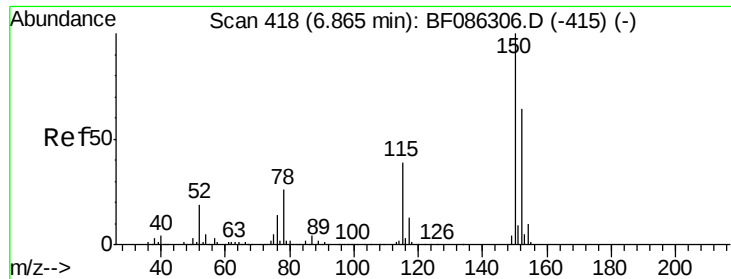
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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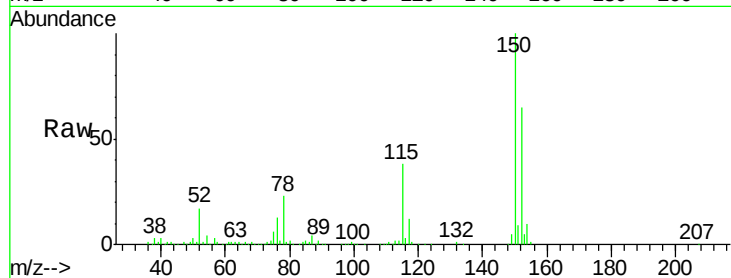


#1

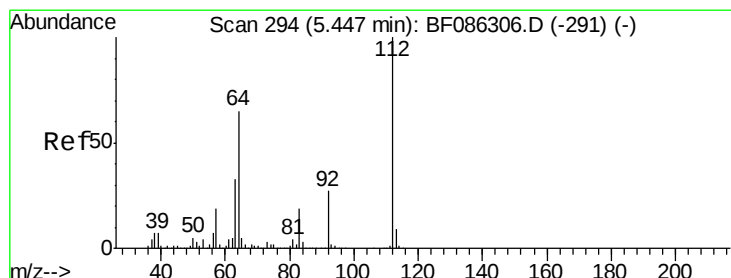
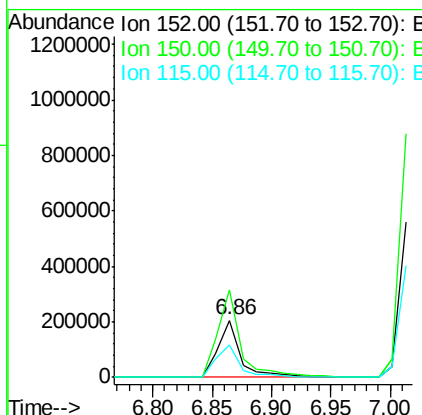
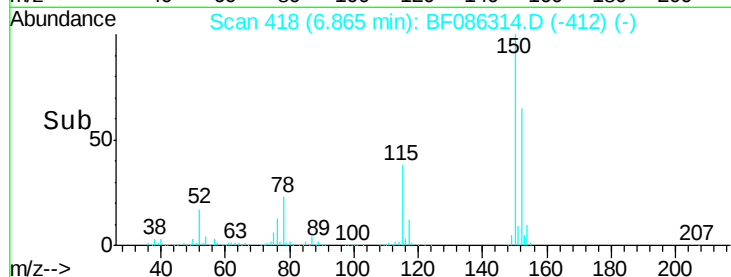
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.86 min Scan# 418  
Delta R.T. -0.03 min  
Lab File: BF086314.D  
Acq: 20 Apr 2016 17:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 124.1 | 186.1 |
| 115     | 57.7  | 43.9  | 65.9  |



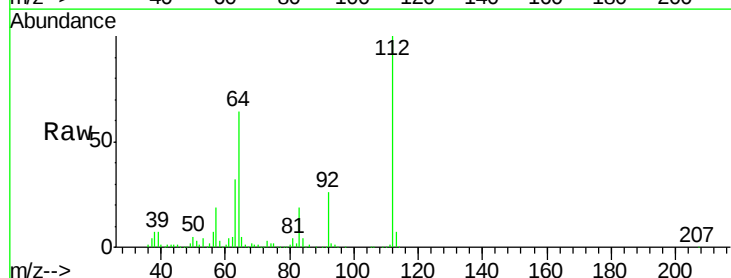
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



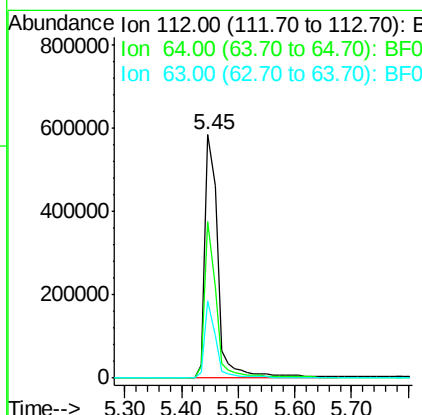
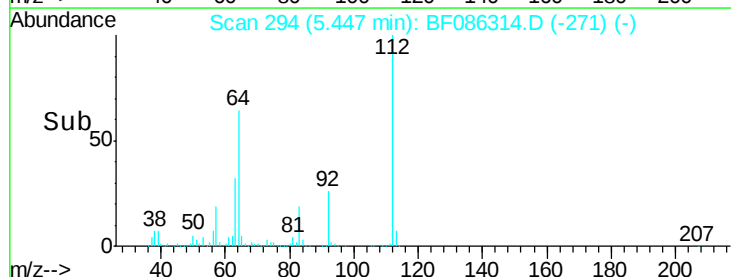
#5

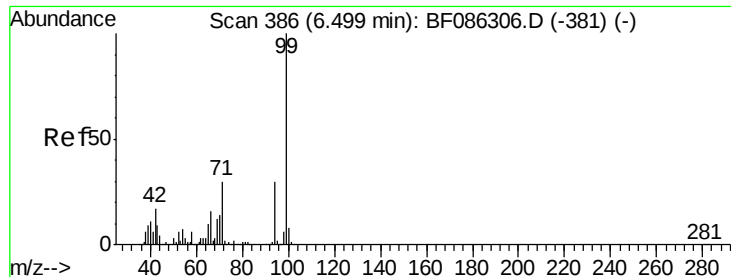
2-Fluorophenol  
Concen: 59.22 ng  
RT: 5.45 min Scan# 294  
Delta R.T. -0.03 min  
Lab File: BF086314.D  
Acq: 20 Apr 2016 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.2  | 48.1  | 72.1  |
| 63      | 31.9  | 25.5  | 38.3  |



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: 39.28 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-5

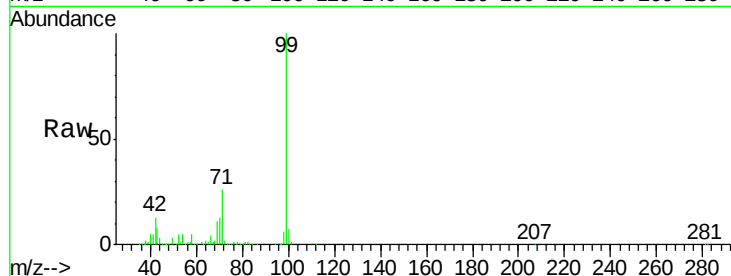
Tot Ion: 99 Resp: 789551

Ion Ratio Lower Upper

99 100

42 13.3 15.4 23.2#

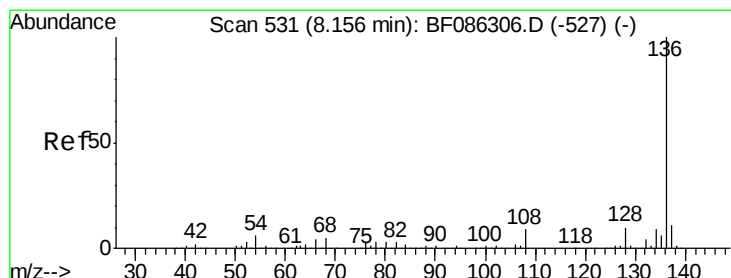
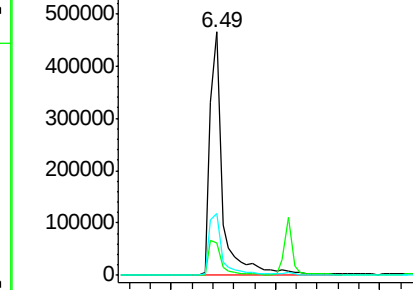
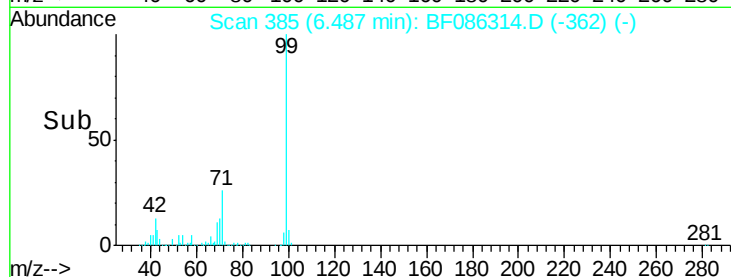
71 25.7 25.6 38.4



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: 8.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

Tgt Ion: 136 Resp: 1107918

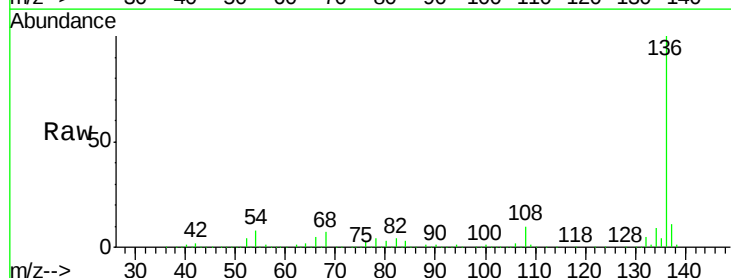
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.2 7.3 10.9

68 7.0 5.7 8.5

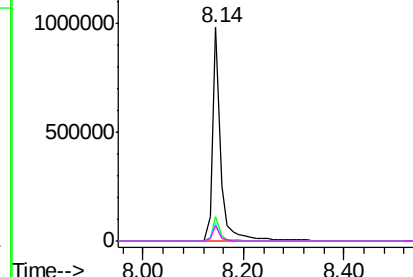
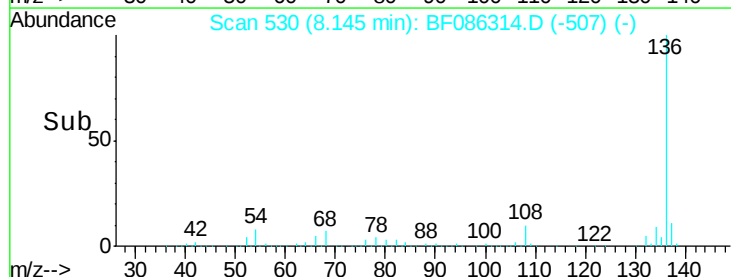


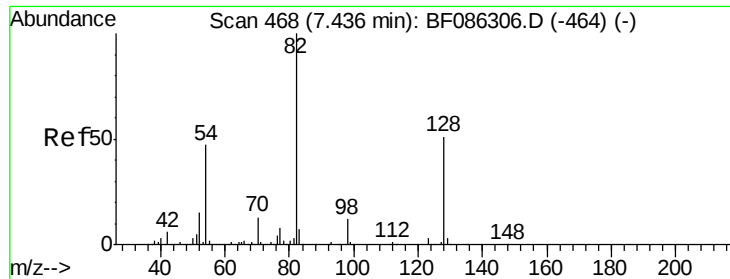
Abundance Ion 136.00 (135.70 to 136.70): E

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

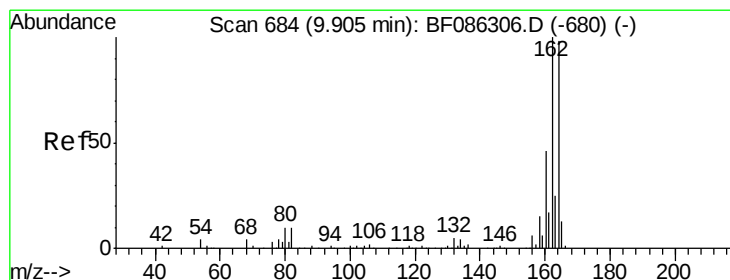
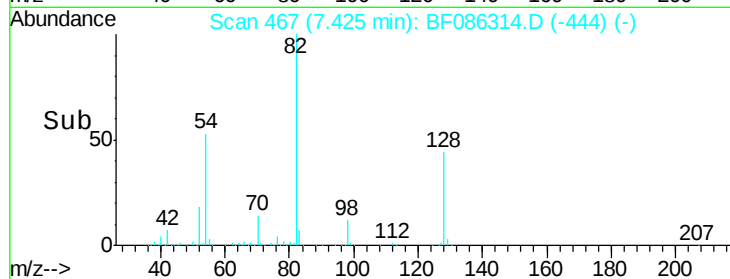
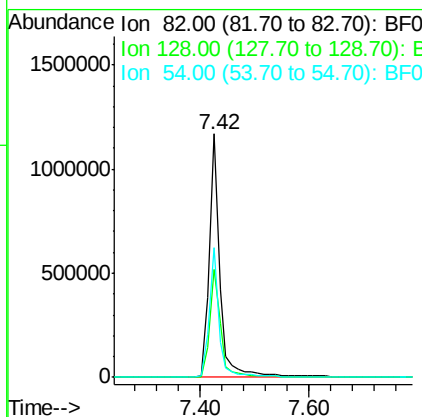
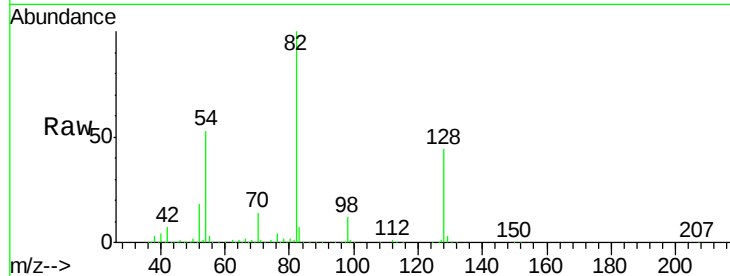




#23  
 Nitrobenzene-d5  
 Concen: 83.58 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.03 min  
 Lab File: BF086314.D  
 Acq: 20 Apr 2016 17:47

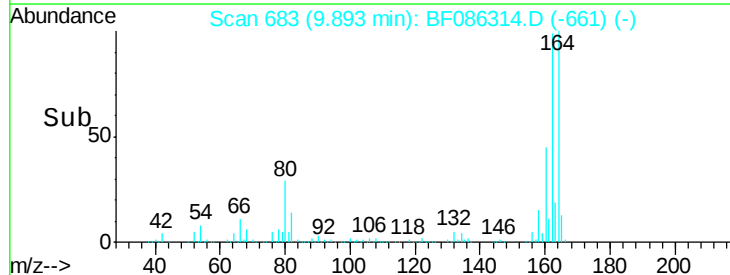
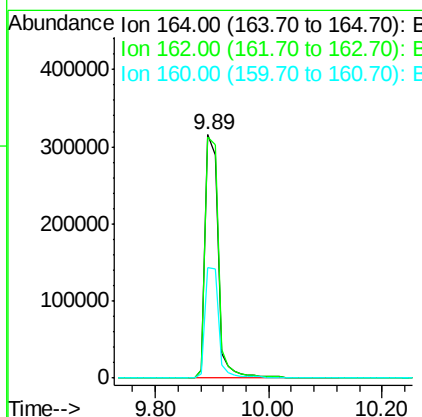
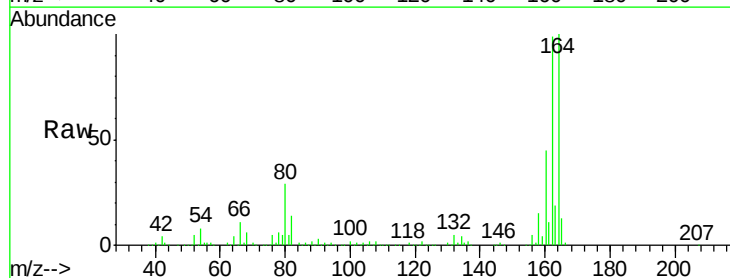
Instrument :  
 BNA\_F  
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 MW-5

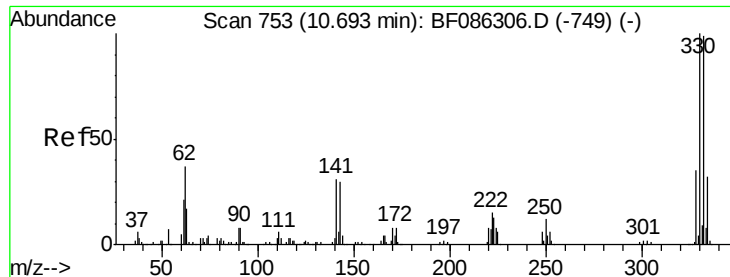
Tot Ion: 82 Resp: 1616822  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 35.4 53.2  
 54 53.3 43.4 65.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. -0.05 min  
 Lab File: BF086314.D  
 Acq: 20 Apr 2016 17:47

Tgt Ion:164 Resp: 480697  
 Ion Ratio Lower Upper  
 164 100  
 162 99.0 82.8 124.2  
 160 45.3 38.9 58.3

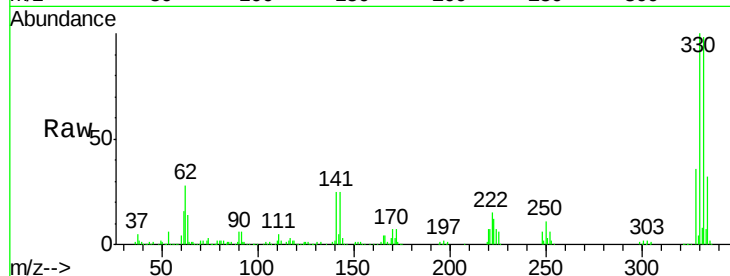




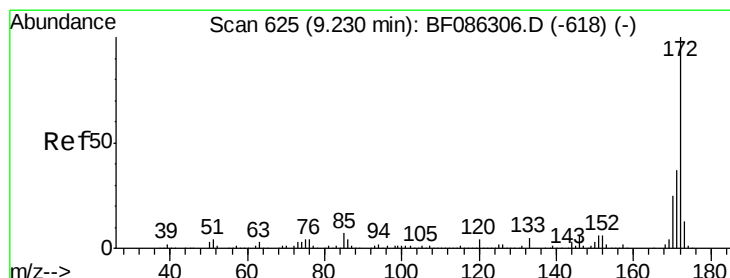
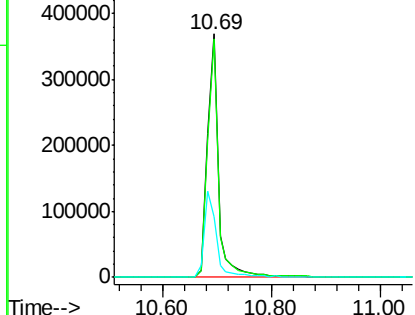
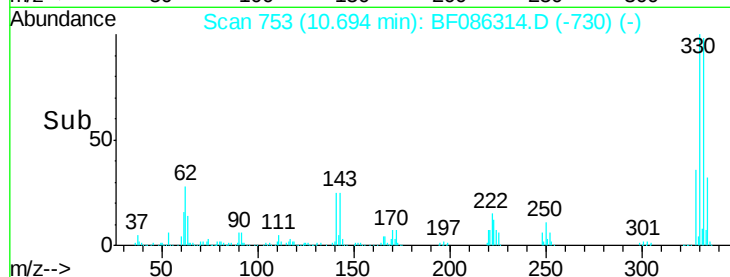
#41  
 2,4,6-Tribromophenol  
 Concen: 139.98 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.03 min  
 Lab File: BF086314.D  
 Acq: 20 Apr 2016 17:47

Instrument :  
 BNA\_F  
 ClientSampleID :  
 MW-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 78.7  | 118.1 |
| 141     | 39.1  | 28.6  | 42.8  |

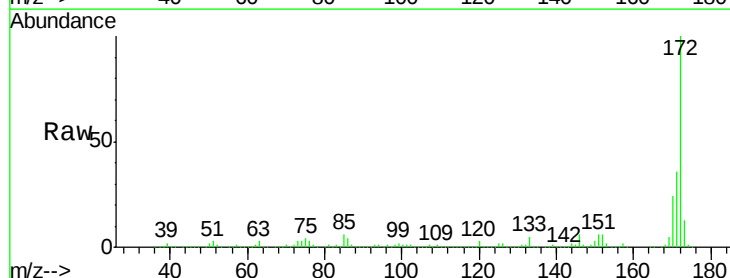


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

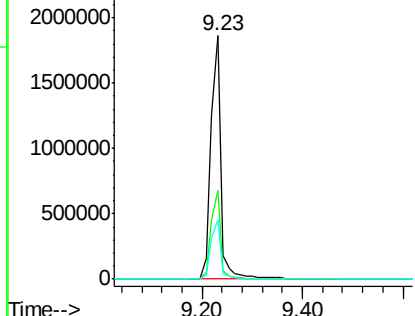
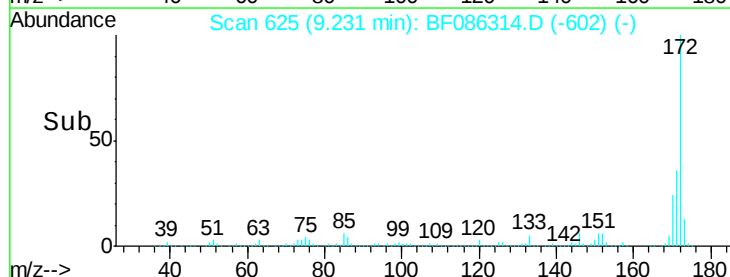


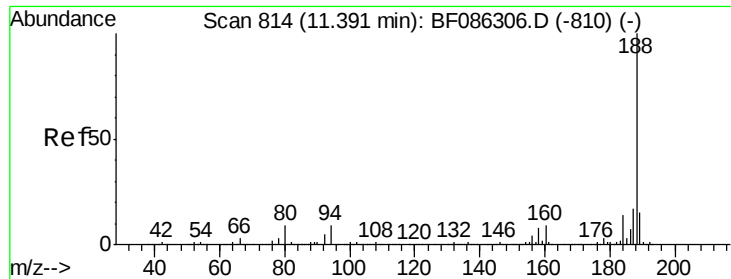
#44  
 2-Fluorobiphenyl  
 Concen: 109.11 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF086314.D  
 Acq: 20 Apr 2016 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.1  | 43.7  |
| 170     | 24.5  | 19.9  | 29.9  |



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: 11.38 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-5

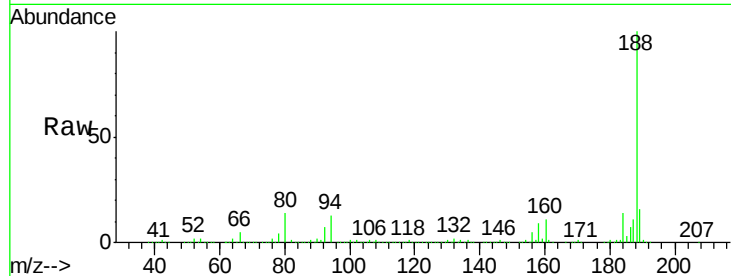
Tot Ion:188 Resp: 822184

Ion Ratio Lower Upper

188 100

94 12.8 9.8 14.8

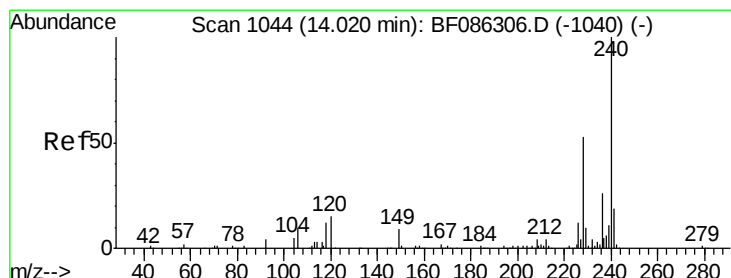
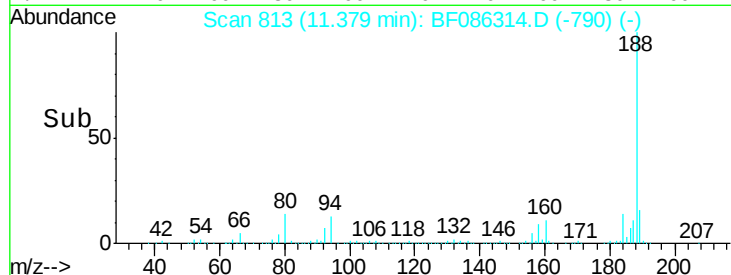
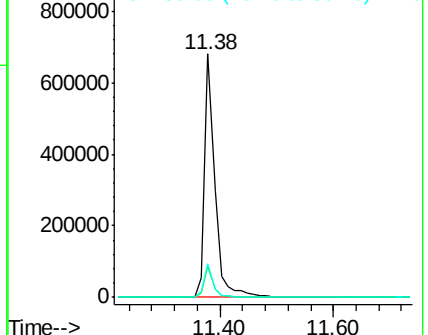
80 14.1 10.5 15.7



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: 14.01 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

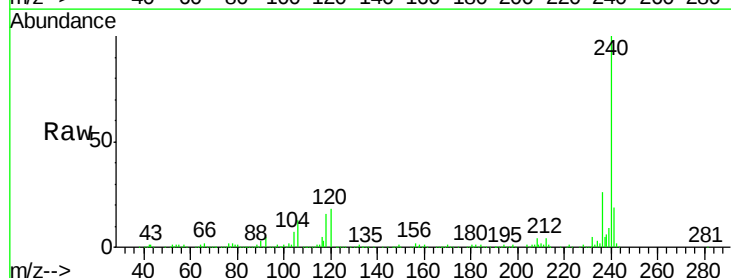
Tgt Ion:240 Resp: 508818

Ion Ratio Lower Upper

240 100

120 18.5 9.3 13.9#

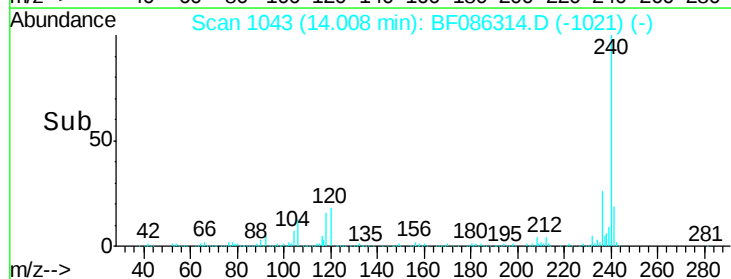
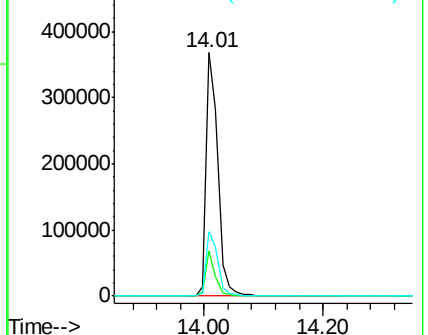
236 26.3 21.1 31.7

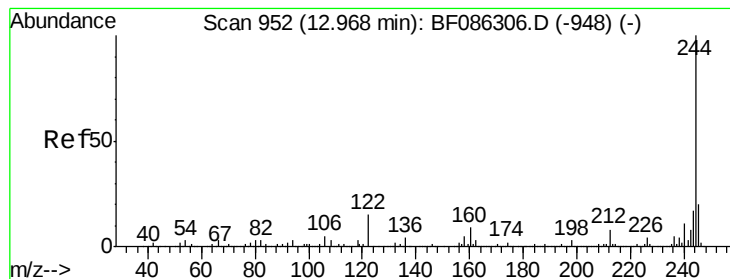


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.63 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

Instrument :

BNA\_F

ClientSampleId :

MW-5

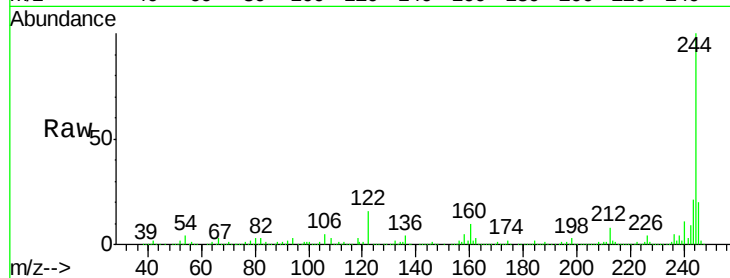
Tot Ion:244 Resp: 1787645

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

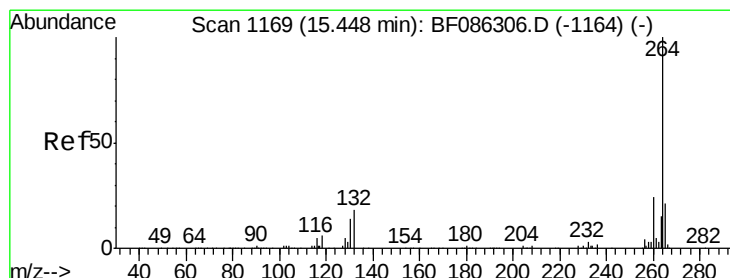
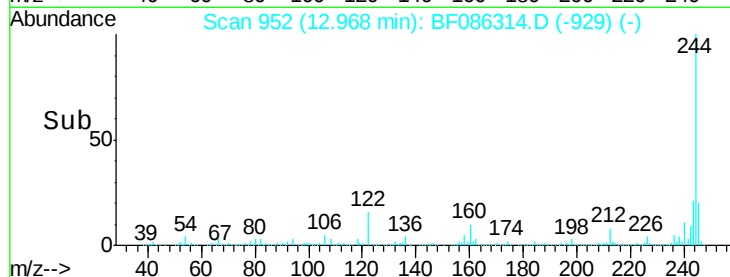
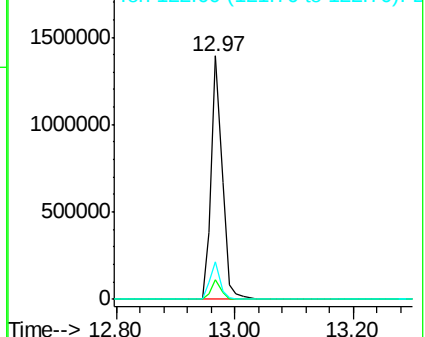
122 15.7 11.7 17.5



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: 15.44 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF086314.D

Acq: 20 Apr 2016 17:47

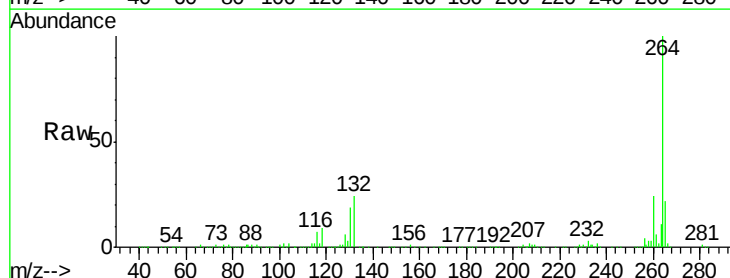
Tgt Ion:264 Resp: 458697

Ion Ratio Lower Upper

264 100

260 24.2 20.0 30.0

265 22.0 17.4 26.0



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

