

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\  
 Data File : BF086034.D  
 Acq On : 3 Apr 2016 1:53  
 Operator : UM/SJ  
 Sample : H2027-08  
 Misc :  
 ALS Vial : 68 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-17COMP

Quant Time: Apr 04 04:16:59 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

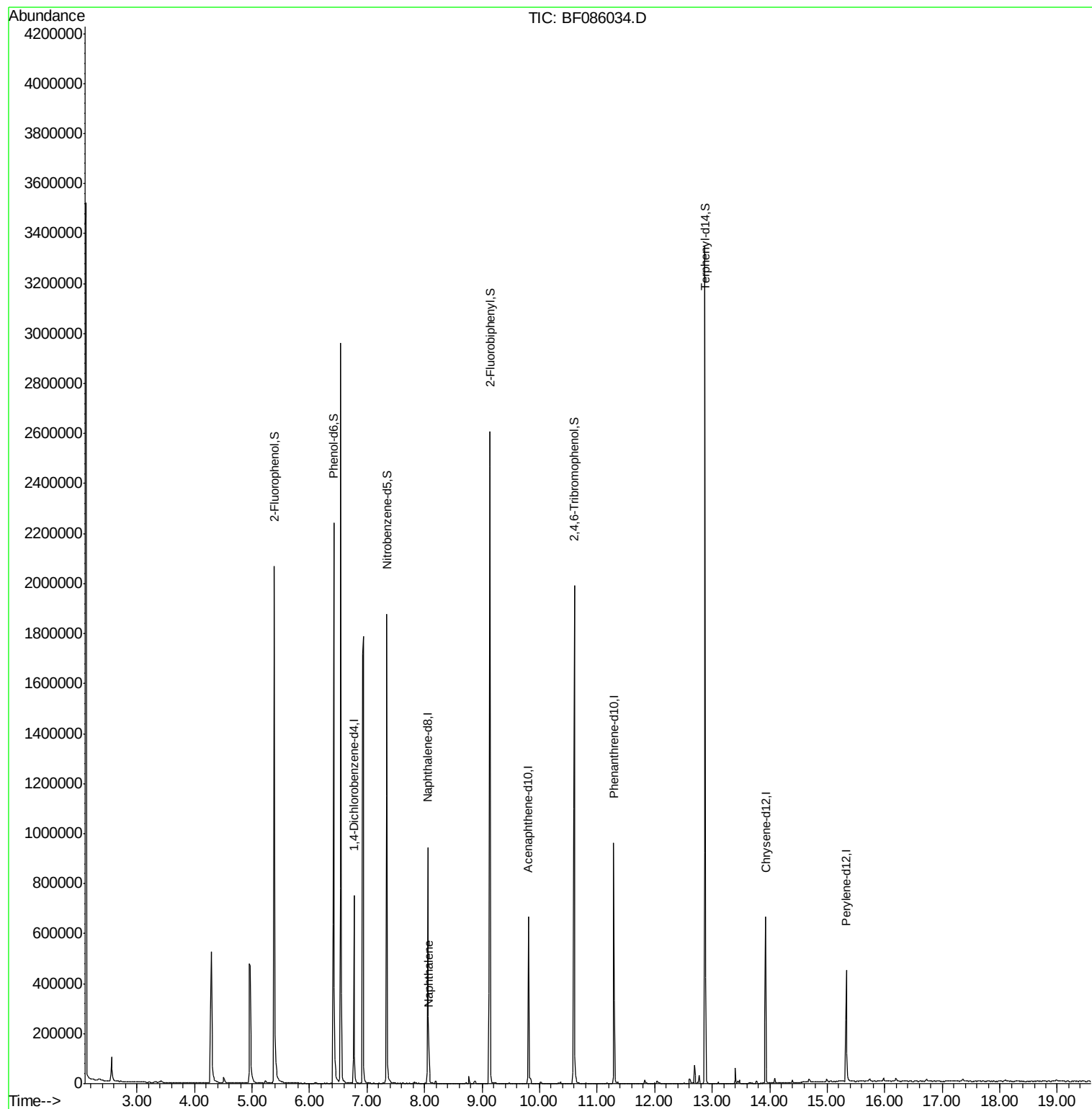
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 114690   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.05  | 136  | 444323   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.80  | 164  | 195489   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.29 | 188  | 370426   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.93 | 240  | 248169   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.33 | 264  | 210079   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.39  | 112  | 921677   | 137.36 | ng    | 0.02         |
| 7) Phenol-d6                | 6.42  | 99   | 932216   | 109.38 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 795498   | 105.58 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 320667   | 174.77 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1312577  | 111.64 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.88 | 244  | 1087136  | 102.97 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.08  | 128  | 59760    | 2.67   | ng    | Qvalue<br>98 |

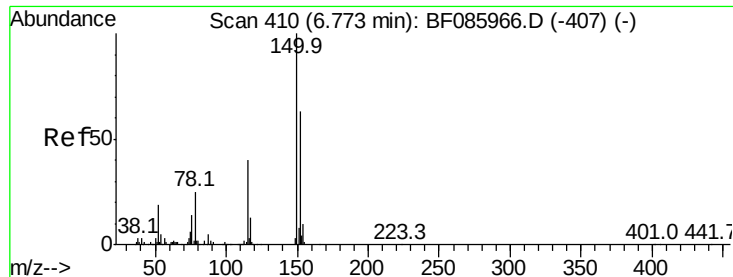
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

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BNA\_F

ClientSampleId :

GRID-17COMP

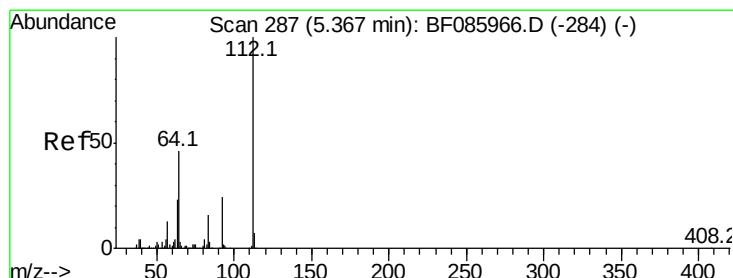
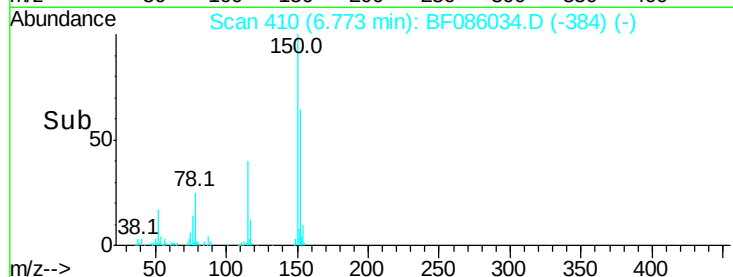
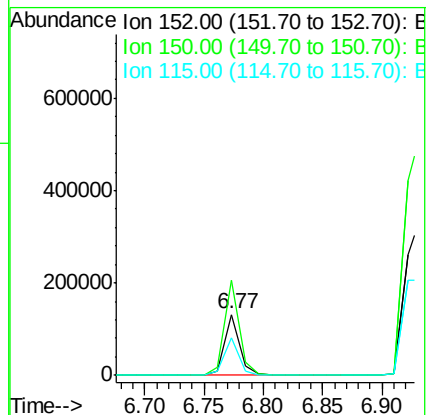
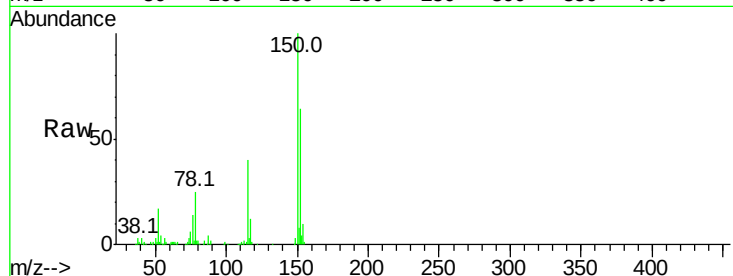
Tot Ion:152 Resp: 114690

Ion Ratio Lower Upper

152 100

150 155.9 124.2 186.2

115 61.8 47.0 70.6



#5

2-Fluorophenol

Concen: 137.36 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.02 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

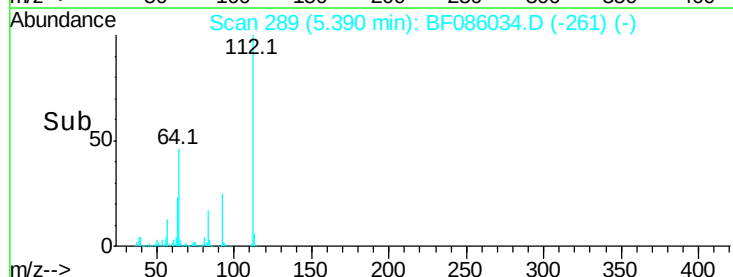
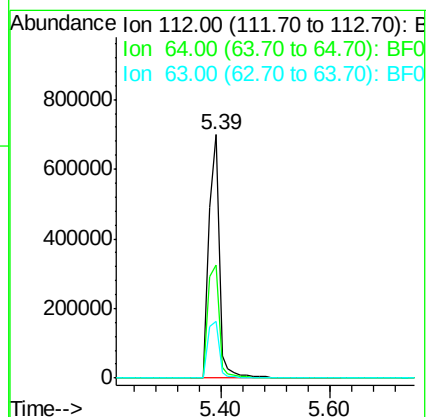
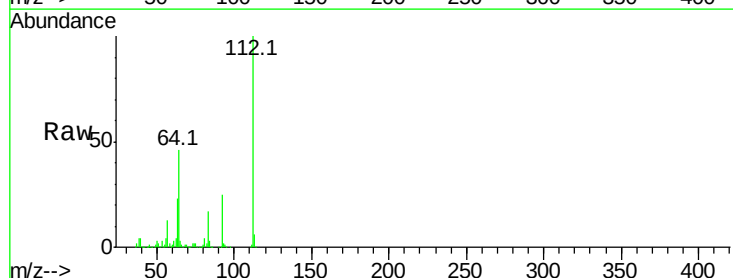
Tgt Ion:112 Resp: 921677

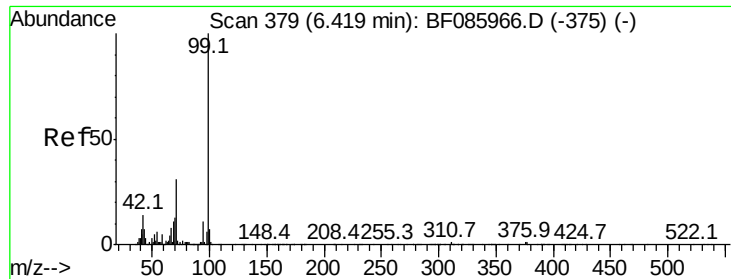
Ion Ratio Lower Upper

112 100

64 46.2 39.9 59.9

63 23.3 20.2 30.2





#7

Phenol-d6

Concen: 109.38 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

GRID-17COMP

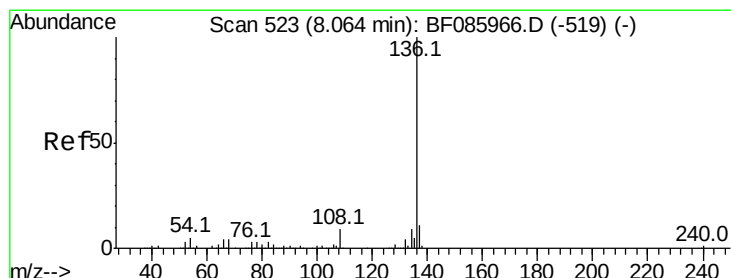
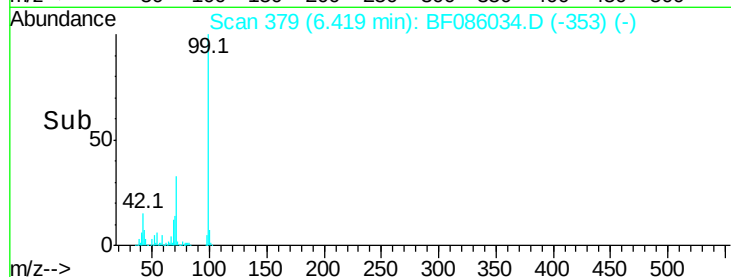
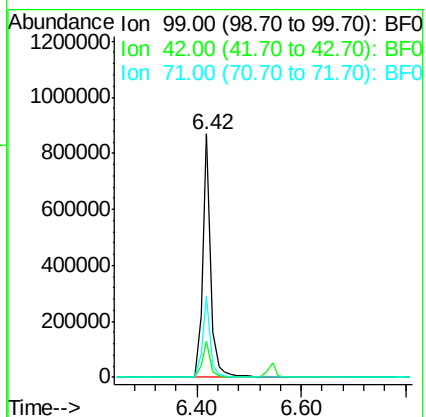
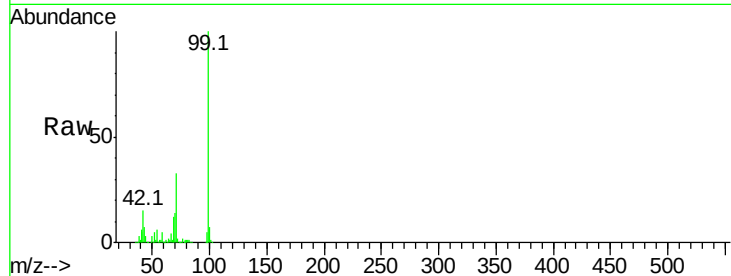
Tot Ion: 99 Resp: 932216

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

71 33.1 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Tgt Ion: 136 Resp: 444323

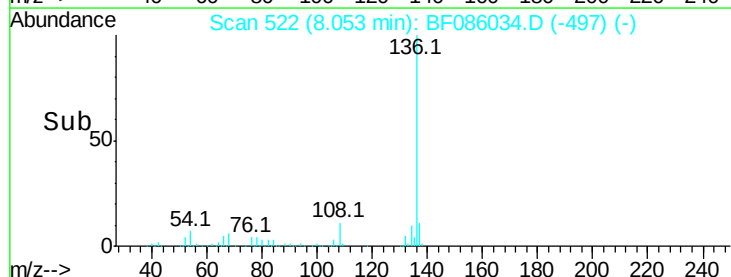
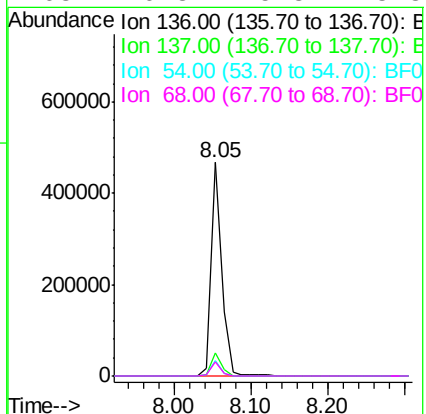
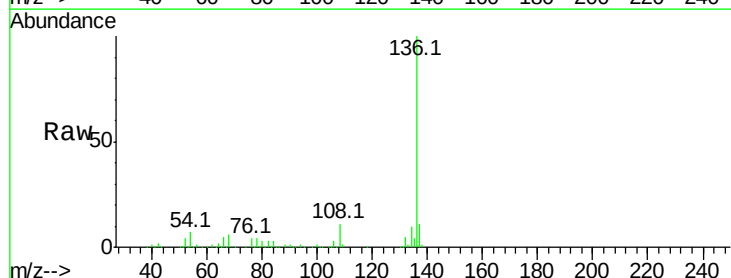
Ion Ratio Lower Upper

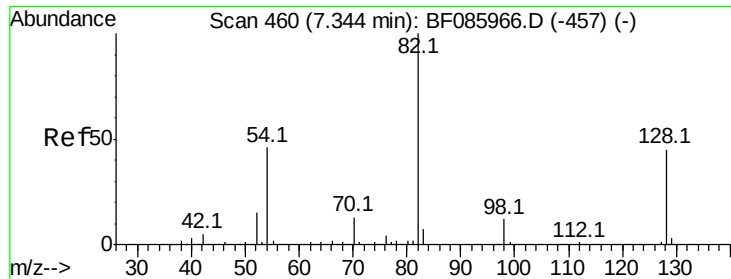
136 100

137 11.0 9.1 13.7

54 7.5 7.4 11.0

68 6.3 5.8 8.8

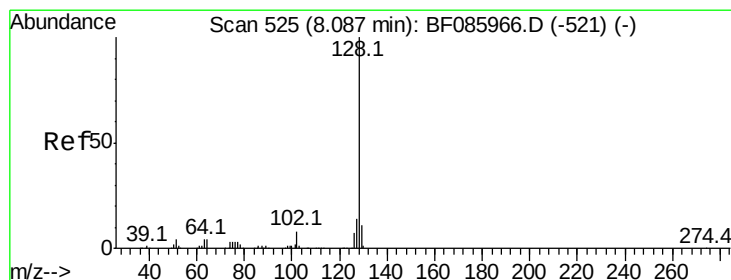
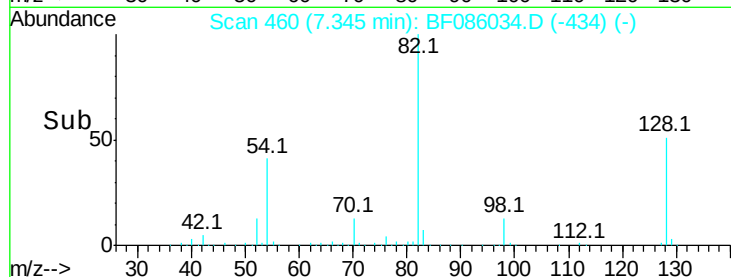
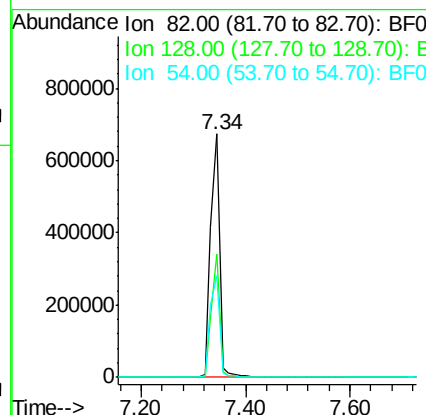
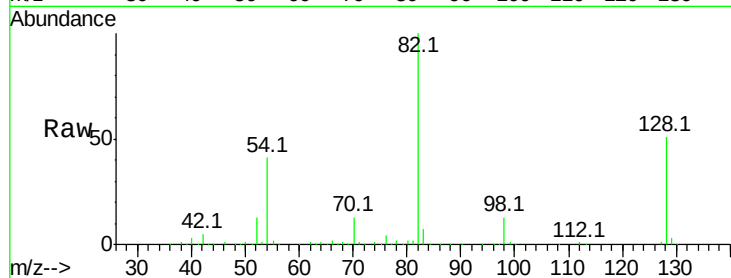




#23  
 Nitrobenzene-d5  
 Concen: 105.58 ng  
 RT: 7.34 min Scan# 460  
 Delta R.T. 0.00 min  
 Lab File: BF086034.D  
 Acq: 3 Apr 2016 1:53

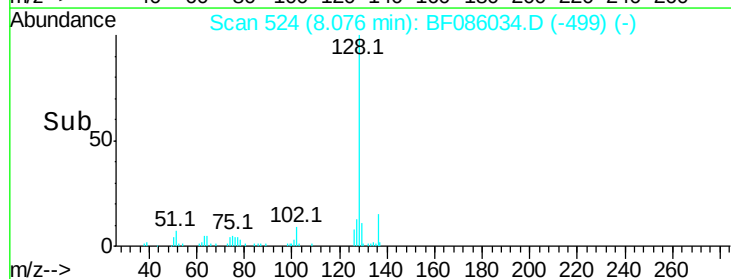
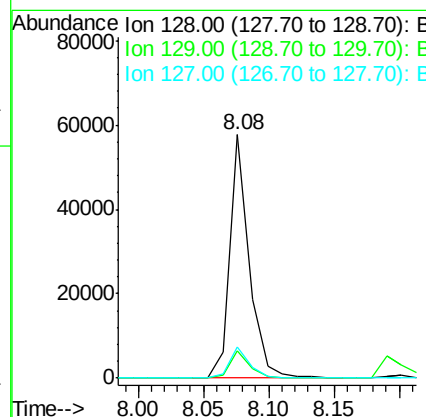
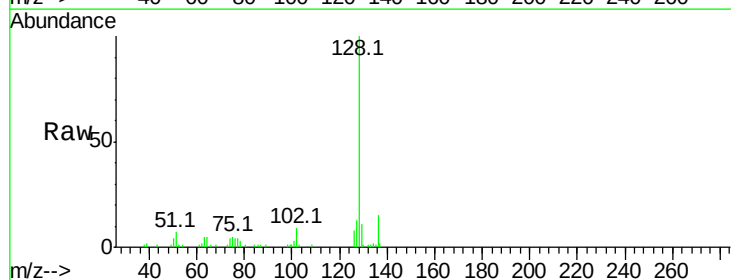
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-17COMP

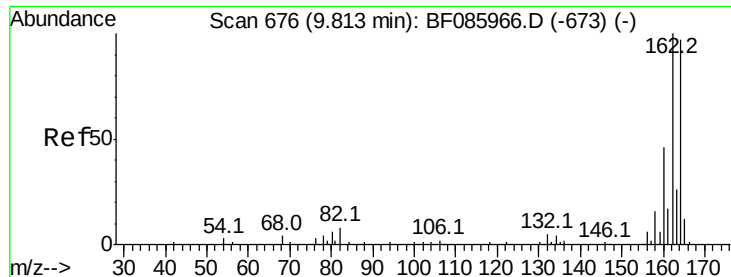
Tot Ion: 82 Resp: 795498  
 Ion Ratio Lower Upper  
 82 100  
 128 50.9 41.8 62.8  
 54 41.5 33.4 50.0



#31  
 Naphthalene  
 Concen: 2.67 ng  
 RT: 8.08 min Scan# 524  
 Delta R.T. -0.01 min  
 Lab File: BF086034.D  
 Acq: 3 Apr 2016 1:53

Tgt Ion:128 Resp: 59760  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 9.4 14.0  
 127 12.9 11.0 16.6

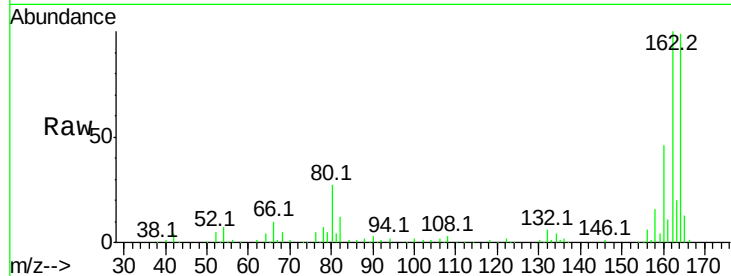




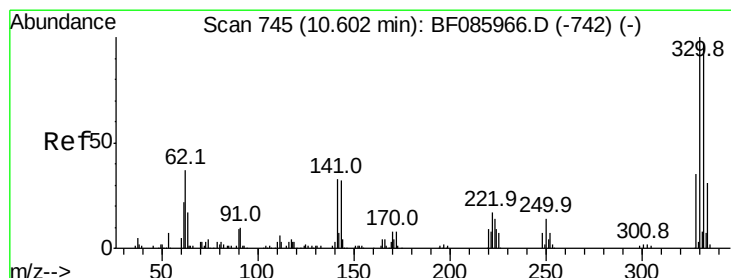
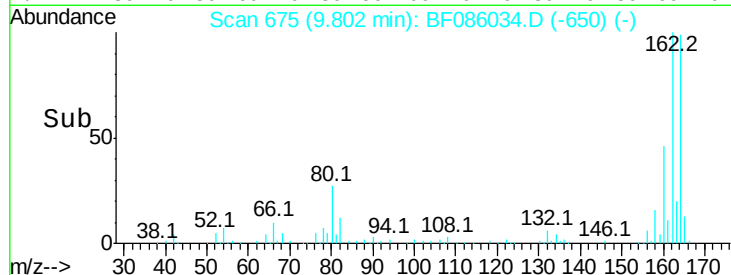
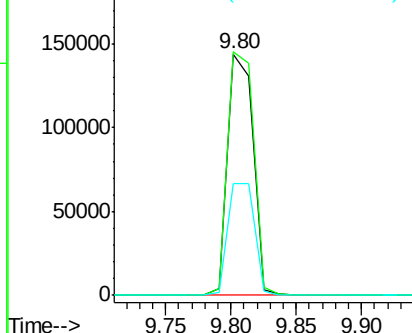
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.80 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: BF086034.D  
Acq: 3 Apr 2016 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-17COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.8 | 82.1  | 123.1 |
| 160     | 46.4  | 37.4  | 56.2  |

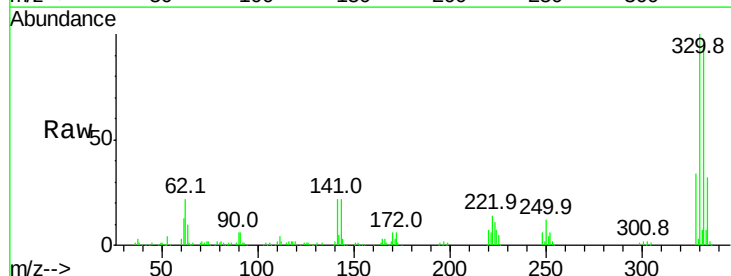


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

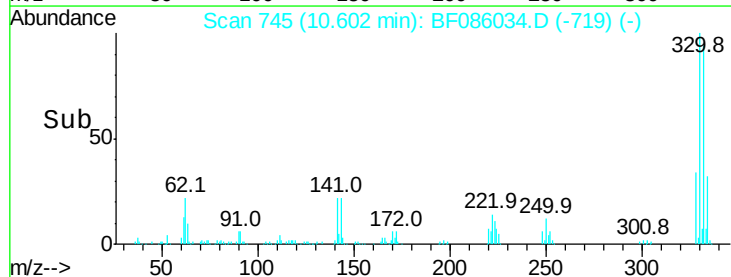
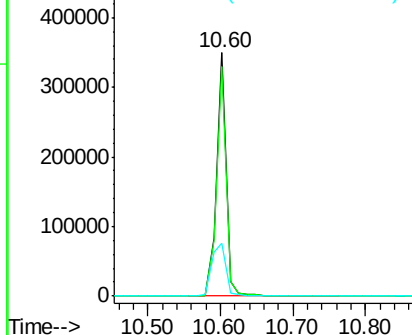


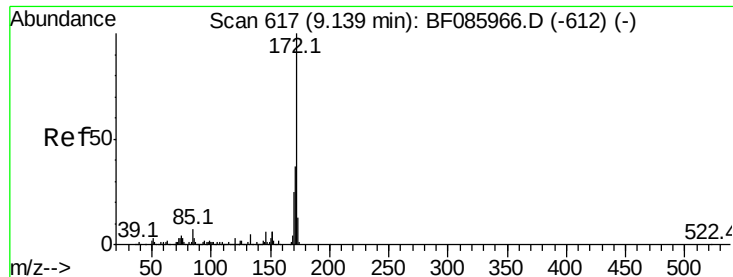
#41  
2,4,6-Tribromophenol  
Concen: 174.77 ng  
RT: 10.60 min Scan# 745  
Delta R.T. 0.00 min  
Lab File: BF086034.D  
Acq: 3 Apr 2016 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 78.2  | 117.2 |
| 141     | 32.2  | 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: 111.64 ng

RT: 9.14 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

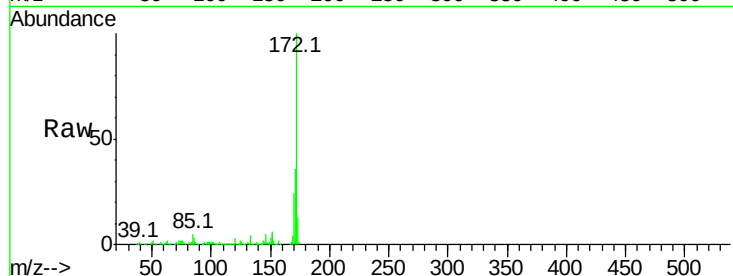
BNA\_F

ClientSampleId :

GRID-17COMP

Tot Ion:172 Resp: 1312577

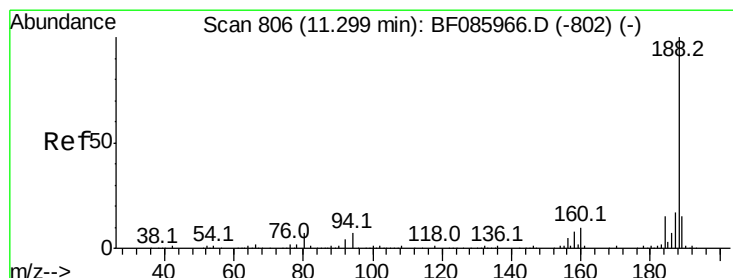
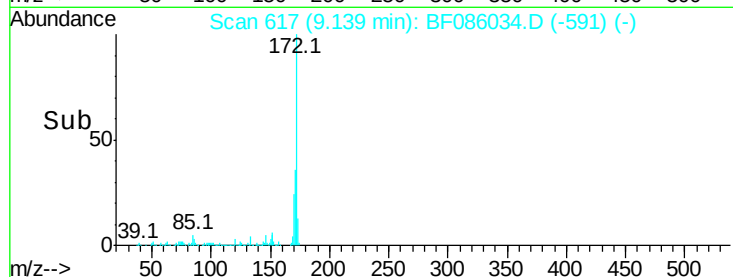
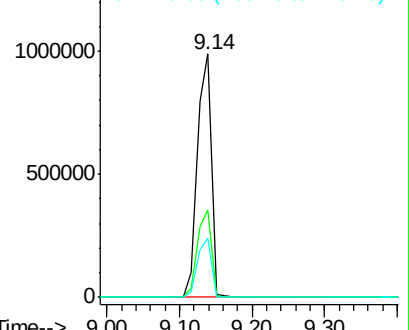
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.0  | 29.4  | 44.2  |
| 170 | 24.2  | 19.8  | 29.6  |



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: 11.29 min Scan# 805

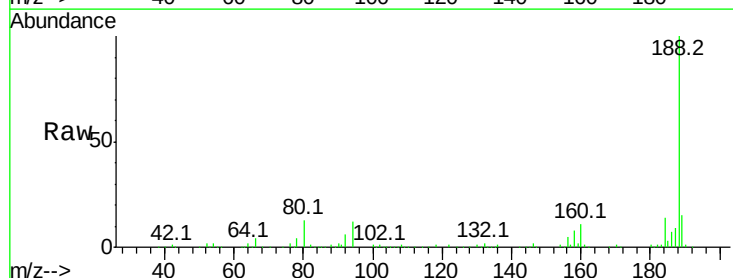
Delta R.T. -0.01 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Tgt Ion:188 Resp: 370426

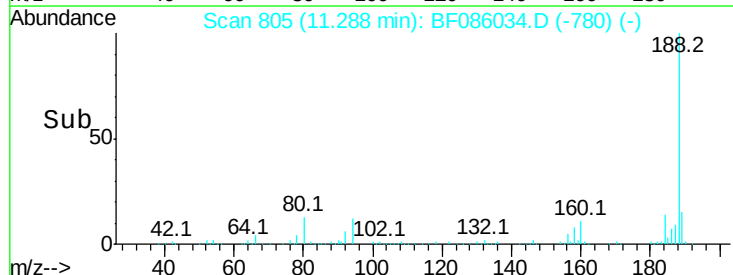
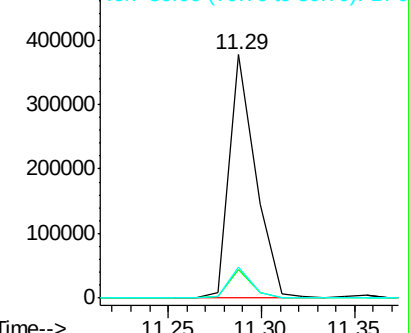
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 11.9  | 5.4   | 8.0#  |
| 80  | 12.8  | 5.5   | 8.3#  |

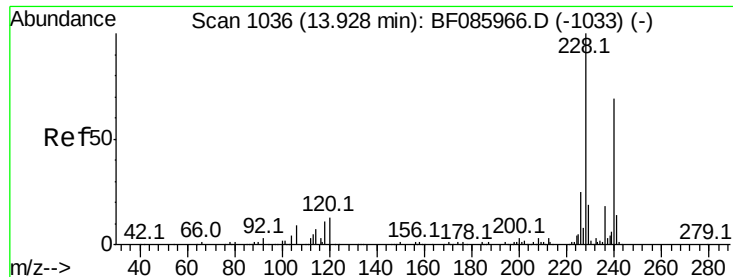


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

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ClientSampleId :

GRID-17COMP

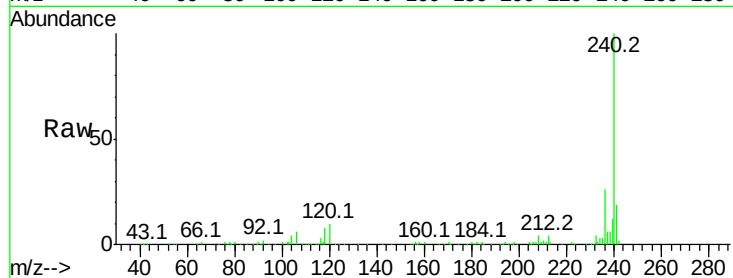
Tot Ion:240 Resp: 248169

Ion Ratio Lower Upper

240 100

120 9.9 13.8 20.8#

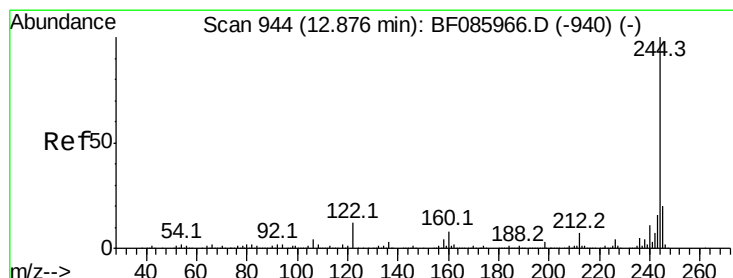
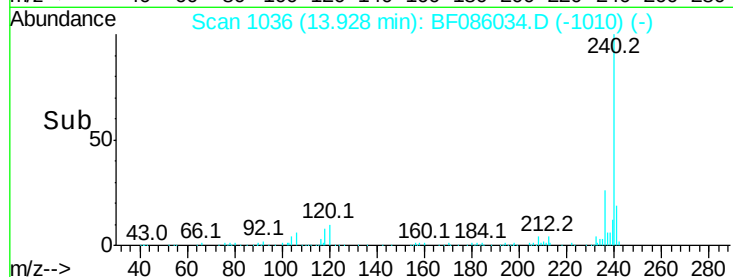
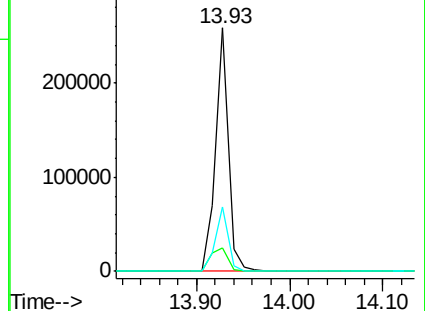
236 26.4 20.6 30.8



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: 102.97 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

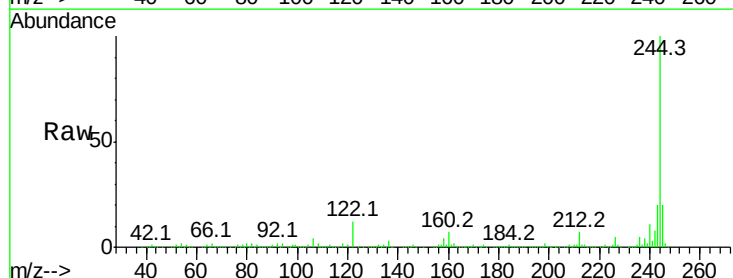
Tgt Ion:244 Resp: 1087136

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

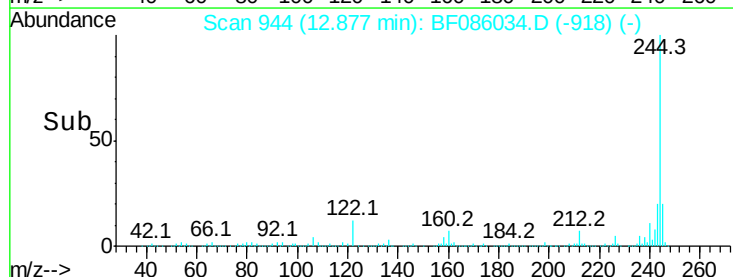
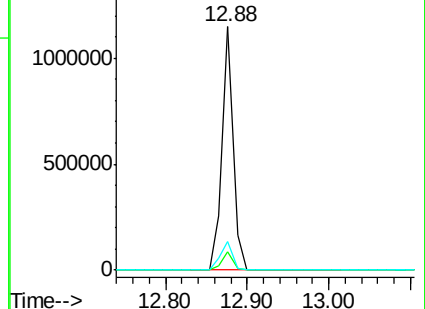
122 11.5 10.2 15.4



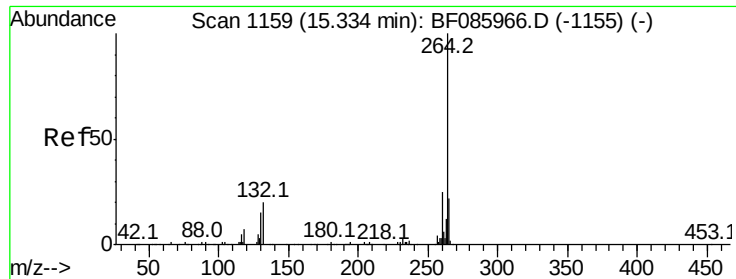
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.33 min Scan# 1159  
Delta R.T. 0.00 min  
Lab File: BF086034.D  
Acq: 3 Apr 2016 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-17COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 21.2  | 17.2  | 25.8  |

