

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\  
 Data File : BF075527.D  
 Acq On : 15 Nov 2014 8:18  
 Operator : TP / JJ  
 Sample : F4737-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-01

Quant Time: Nov 16 02:53:50 2014  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 16 02:30:12 2014  
 Response via : Initial Calibration

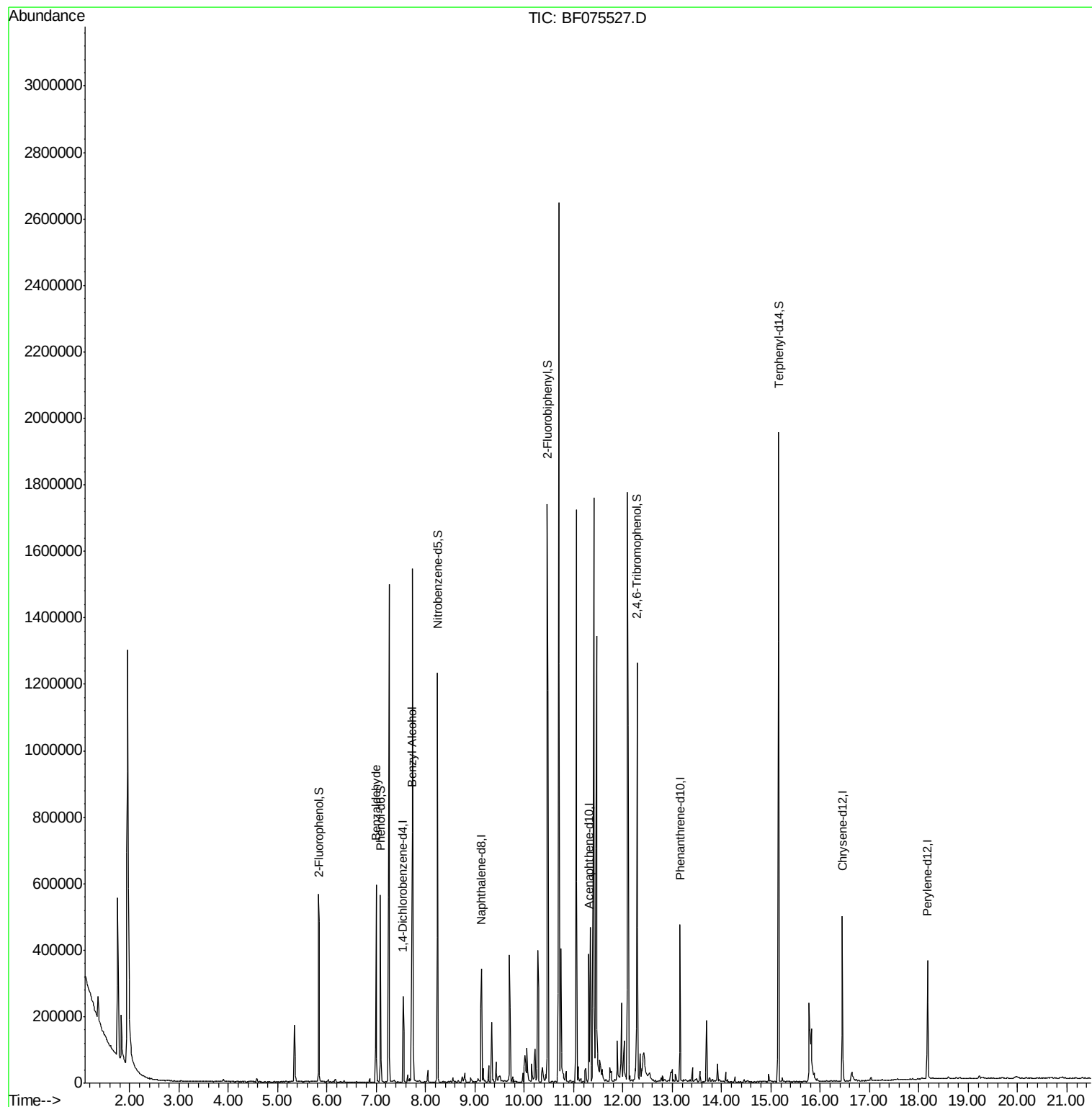
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 46399    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 9.13  | 136  | 201115   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.31 | 164  | 100465   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 13.16 | 188  | 174761   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.45 | 240  | 185340   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 18.17 | 264  | 179142   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 221349   | 84.28  | ng    | 0.01     |
| 7) Phenol-d6                | 7.09  | 99   | 170553   | 54.00  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 386151   | 140.77 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.29 | 330  | 156916   | 186.48 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.47 | 172  | 725539   | 130.50 | ng    | -0.01    |
| 78) Terphenyl-d14           | 15.16 | 244  | 795549   | 115.56 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde             | 7.00  | 77   | 105738   | 49.77  | ng    | 95       |
| 15) Benzyl Alcohol          | 7.73  | 79   | 93630    | 37.76  | ng    | 99       |

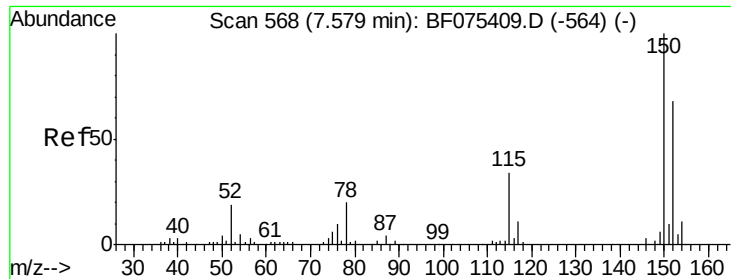
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\  
Data File : BF075527.D  
Acq On : 15 Nov 2014 8:18  
Operator : TP / JJ  
Sample : F4737-01  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EB-01

Quant Time: Nov 16 02:53:50 2014  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 16 02:30:12 2014  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

Instrument :

BNA\_F

ClientSampleId :

EB-01

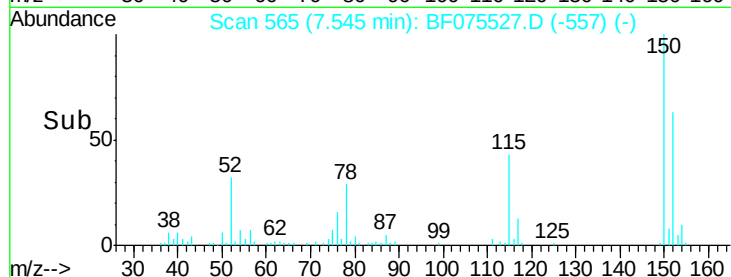
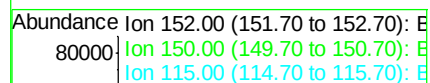
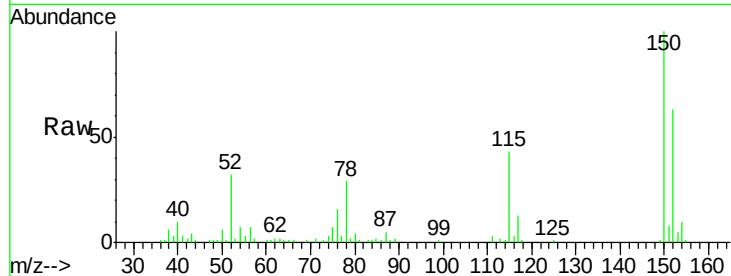
Tot Ion:152 Resp: 46399

Ion Ratio Lower Upper

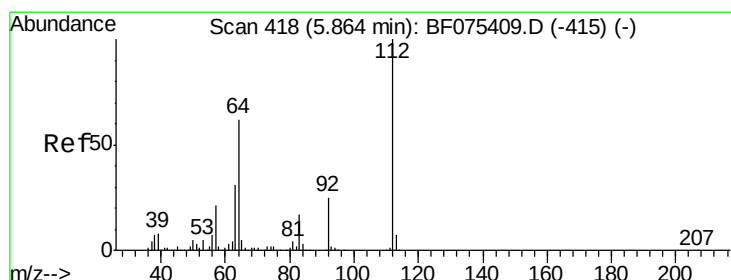
152 100

150 159.4 127.2 190.8

115 67.9 57.1 85.7



Time-->



#5

2-Fluorophenol

Concen: 84.28 ng

RT: 5.84 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

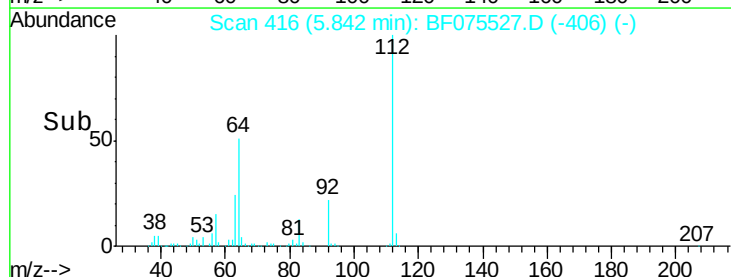
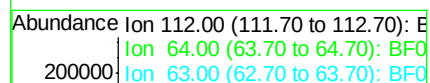
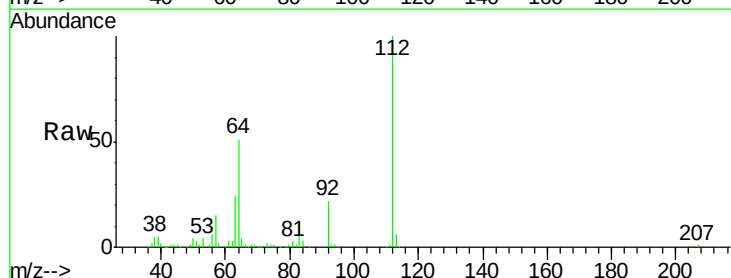
Tgt Ion:112 Resp: 221349

Ion Ratio Lower Upper

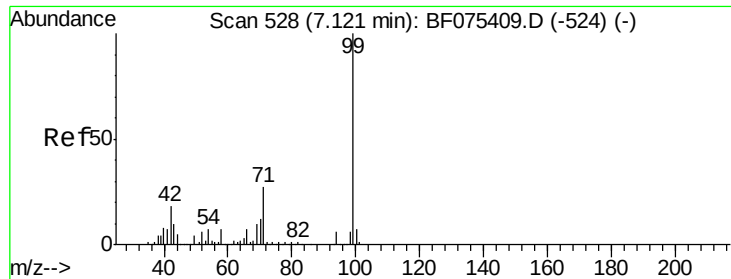
112 100

64 51.4 45.8 68.6

63 24.4 22.7 34.1



Time-->



#7

Phenol-d6

Concen: 54.00 ng

RT: 7.09 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

Instrument :

BNA\_F

ClientSampleId :

EB-01

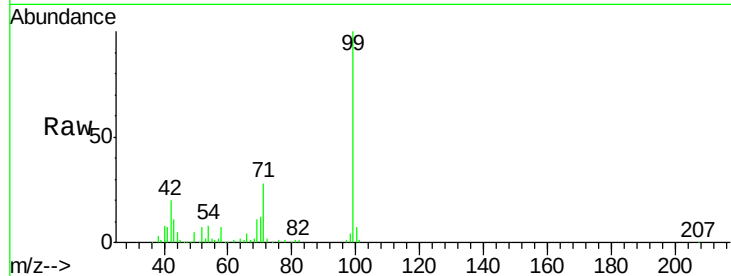
Tot Ion: 99 Resp: 170553

Ion Ratio Lower Upper

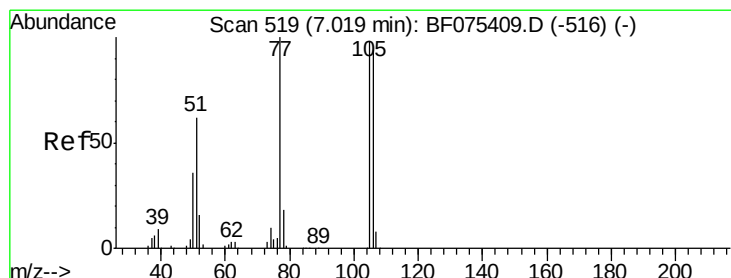
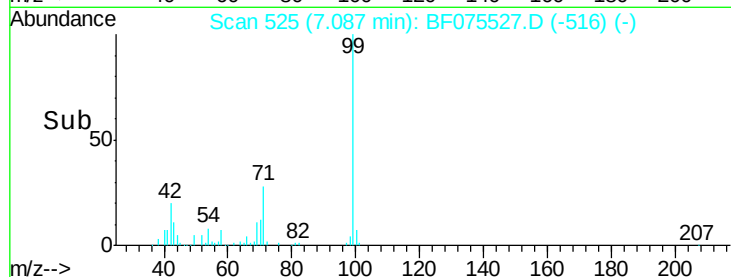
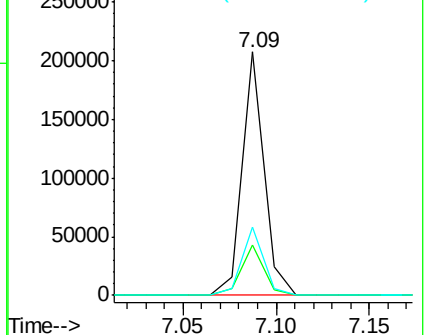
99 100

42 20.5 19.8 29.6

71 27.8 25.5 38.3



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



#9

Benzaldehyde

Concen: 49.77 ng

RT: 7.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

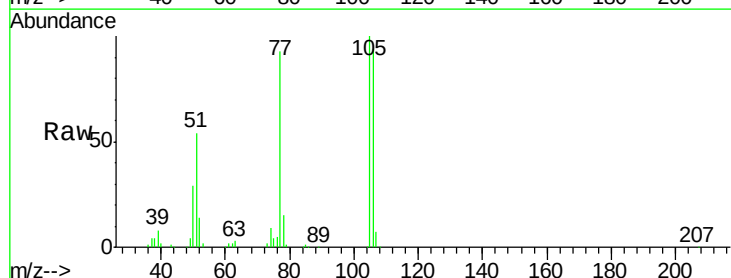
Tgt Ion: 77 Resp: 105738

Ion Ratio Lower Upper

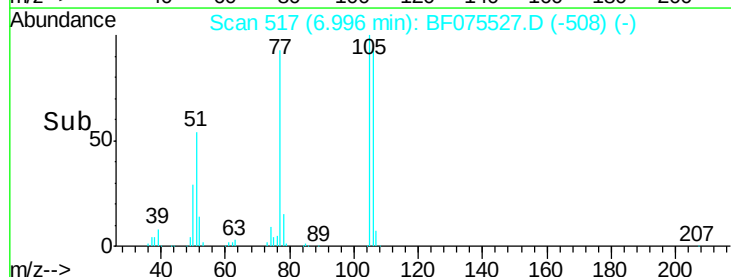
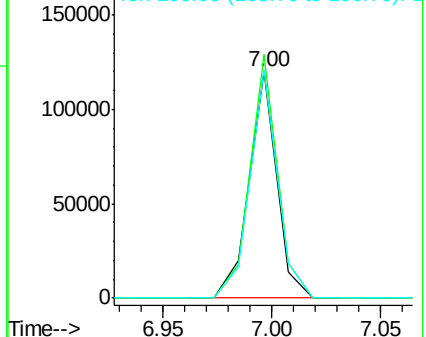
77 100

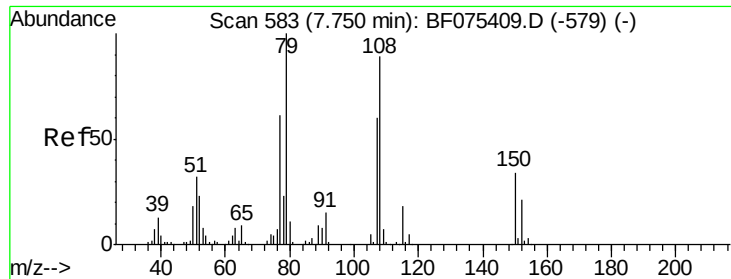
105 107.4 81.6 121.6

106 100.7 77.5 117.5



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 37.76 ng

RT: 7.73 min Scan# 581

Delta R.T. 0.00 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

Instrument :

BNA\_F

ClientSampleId :

EB-01

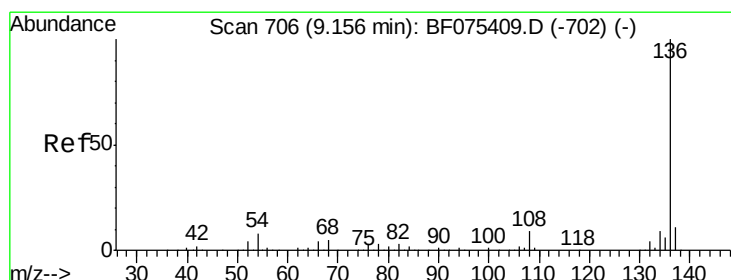
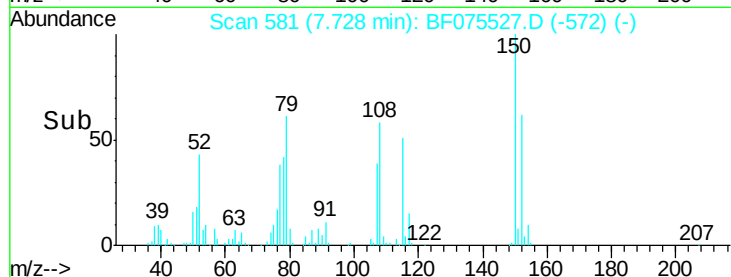
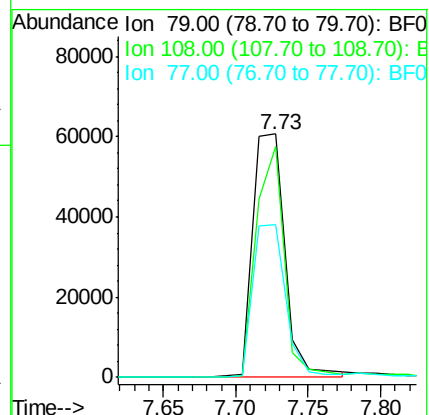
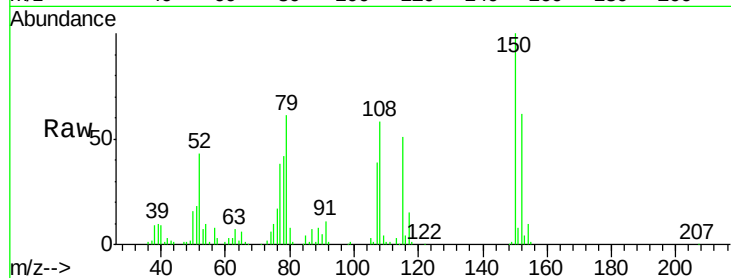
Tot Ion: 79 Resp: 93630

Ion Ratio Lower Upper

79 100

108 94.6 75.5 113.3

77 62.9 52.1 78.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF075527.D

Acq: 15 Nov 2014 8:18

Tgt Ion: 136 Resp: 201115

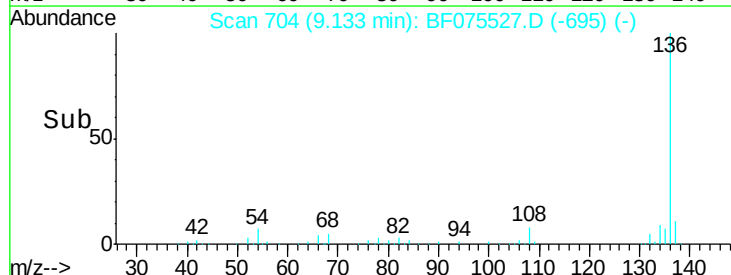
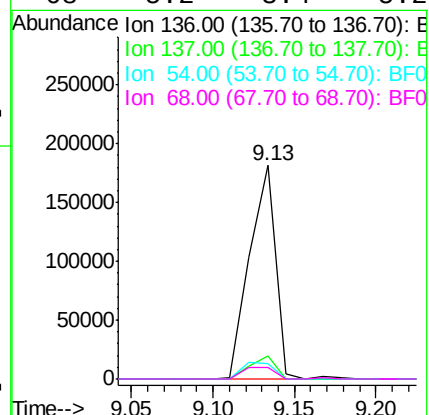
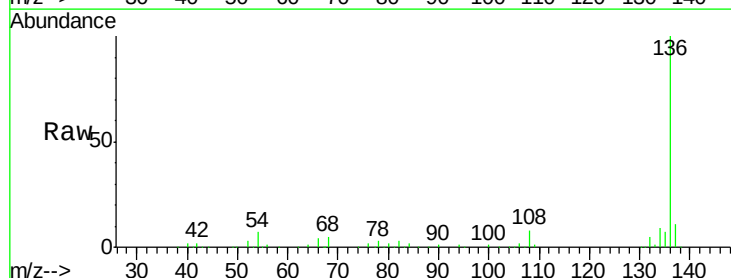
Ion Ratio Lower Upper

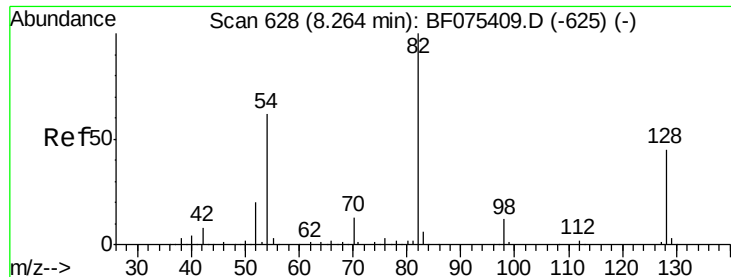
136 100

137 10.6 8.2 12.4

54 7.1 6.2 9.4

68 5.2 3.4 5.2#

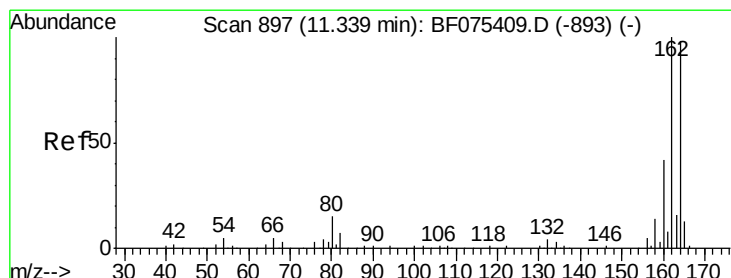
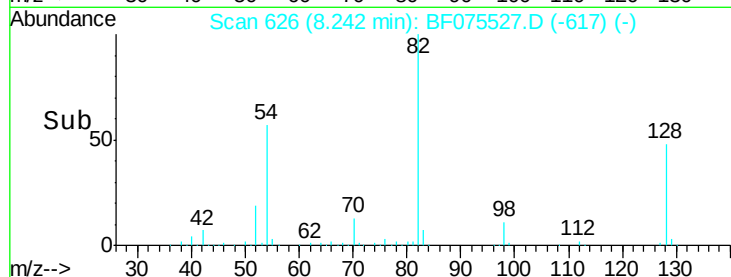
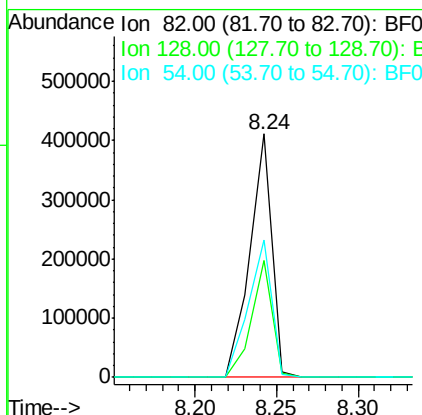
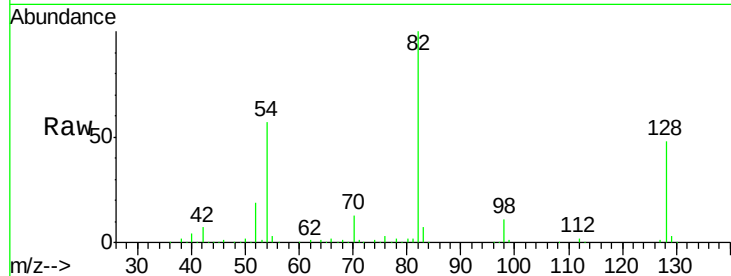




#23  
 Nitrobenzene-d5  
 Concen: 140.77 ng  
 RT: 8.24 min Scan# 626  
 Delta R.T. 0.00 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

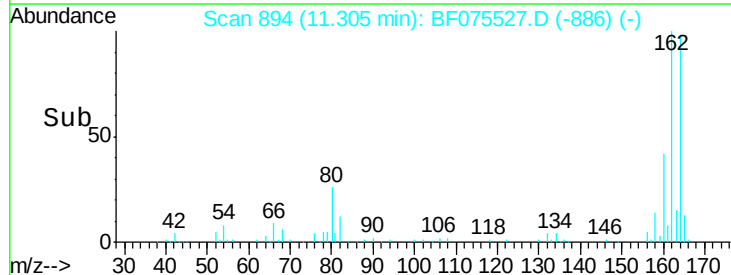
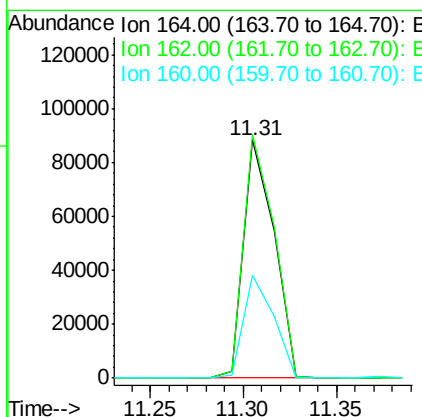
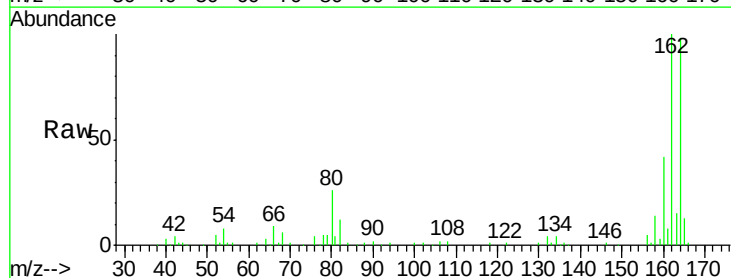
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-01

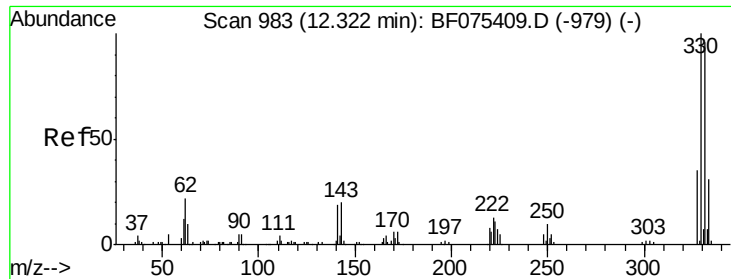
Tot Ion: 82 Resp: 386151  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 37.8 56.6  
 54 56.5 49.8 74.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.31 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

Tgt Ion:164 Resp: 100465  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 79.1 118.7  
 160 43.1 34.6 51.8

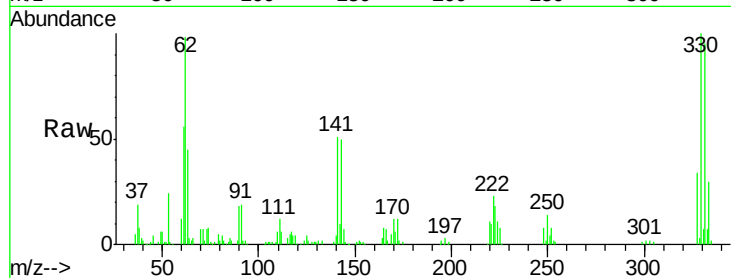




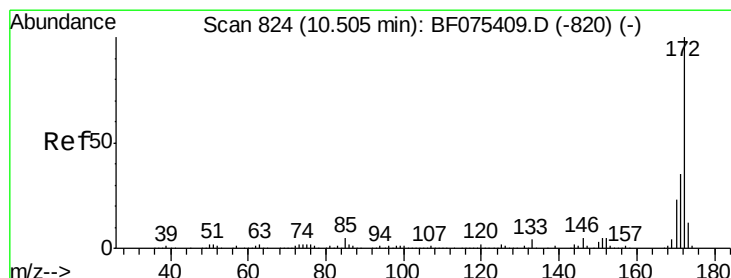
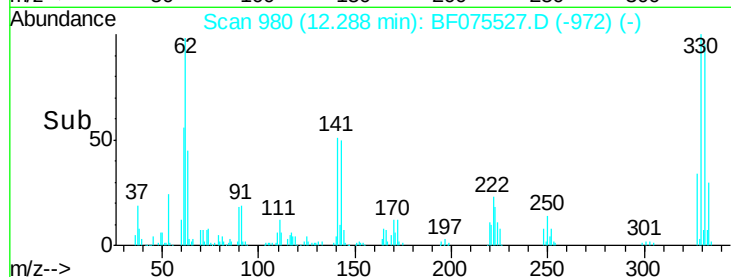
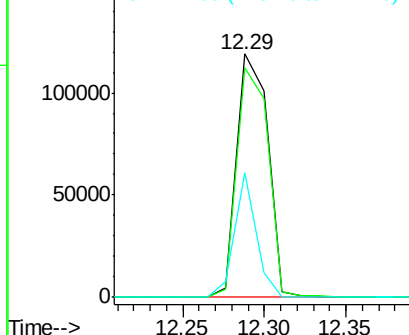
#41  
 2,4,6-Tribromophenol  
 Concen: 186.48 ng  
 RT: 12.29 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 74.5  | 111.7 |
| 141     | 35.6  | 30.7  | 46.1  |

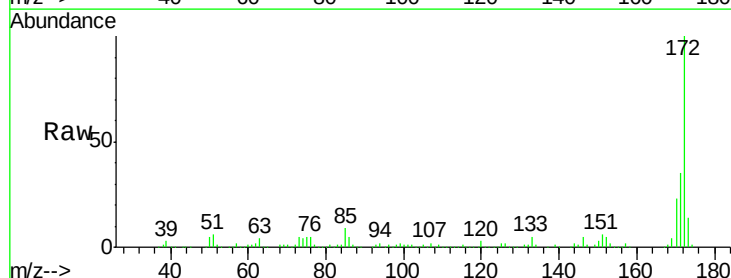


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

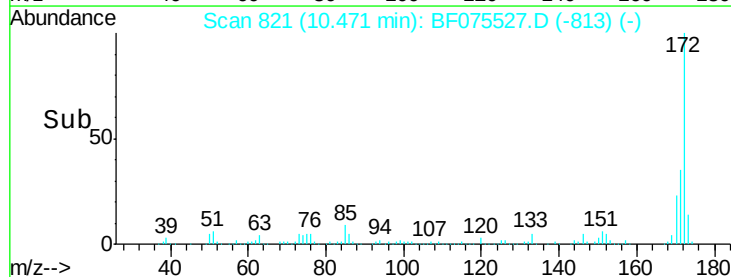
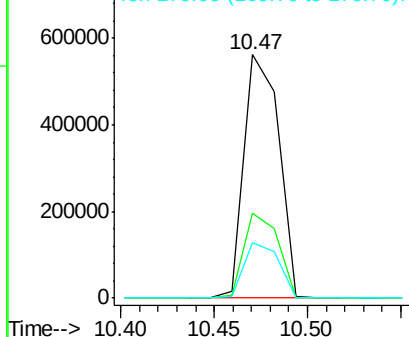


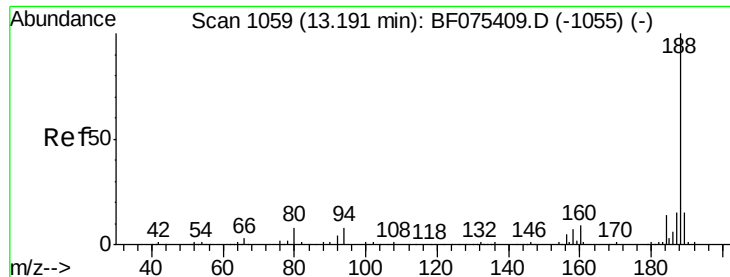
#44  
 2-Fluorobiphenyl  
 Concen: 130.50 ng  
 RT: 10.47 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 27.3  | 40.9  |
| 170     | 23.0  | 18.4  | 27.6  |



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

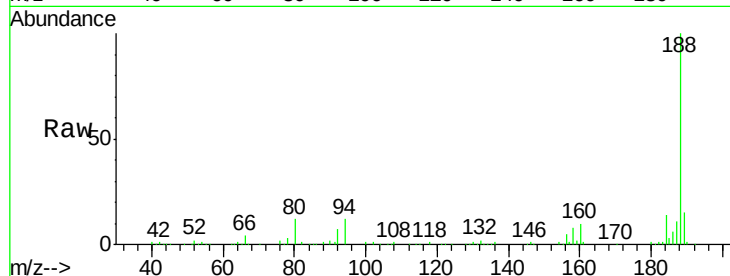




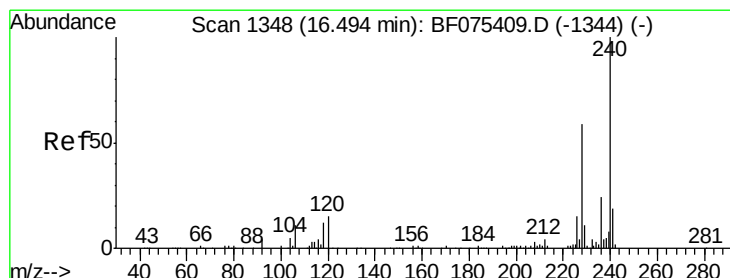
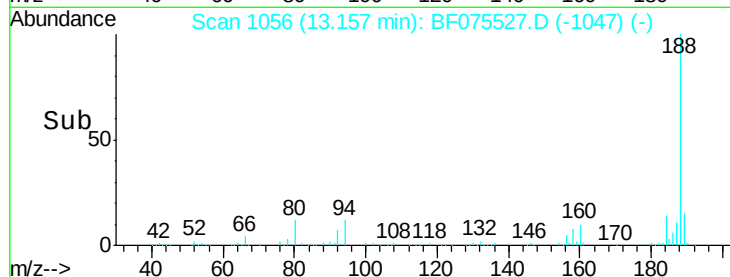
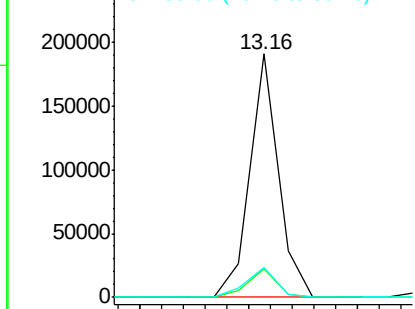
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.16 min Scan# 1056  
Delta R.T. 0.00 min  
Lab File: BF075527.D  
Acq: 15 Nov 2014 8:18

Instrument :  
BNA\_F  
ClientSampled :  
EB-01

Tot Ion:188 Resp: 174761  
Ion Ratio Lower Upper  
188 100  
94 12.0 7.8 11.6#  
80 12.5 8.0 12.0#

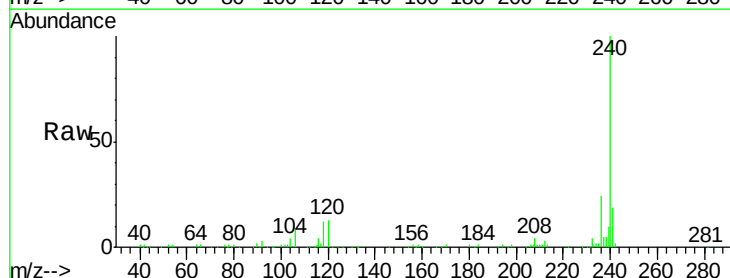


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

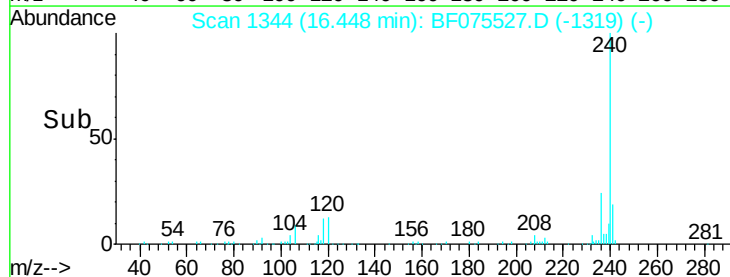
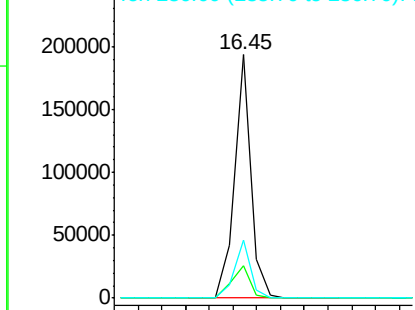


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.45 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BF075527.D  
Acq: 15 Nov 2014 8:18

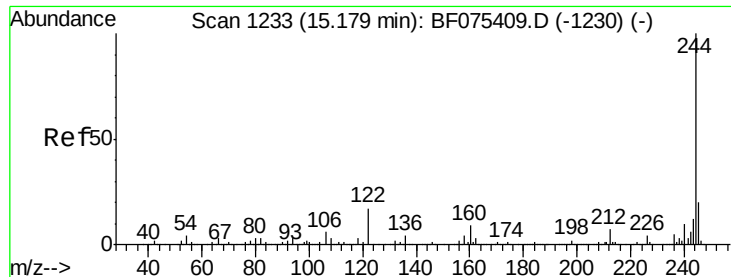
Tgt Ion:240 Resp: 185340  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.6 14.4  
236 23.9 18.9 28.3



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



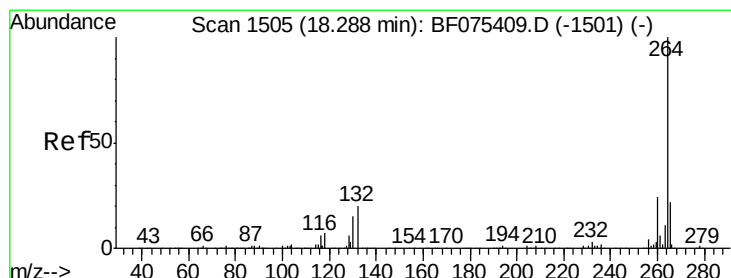
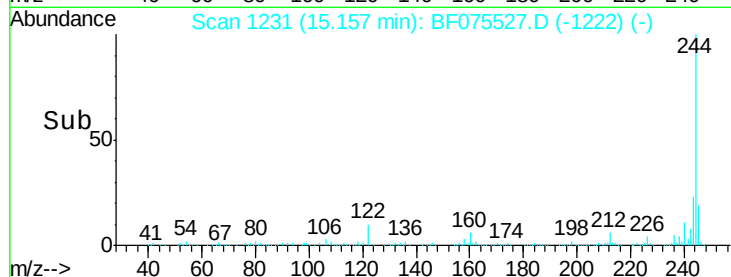
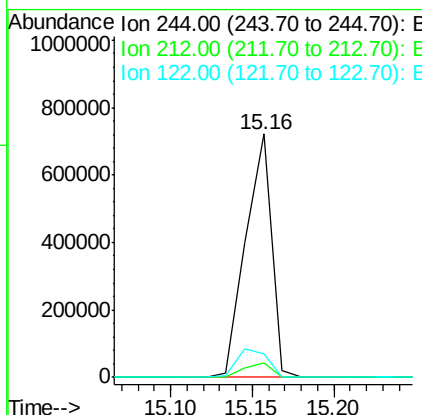
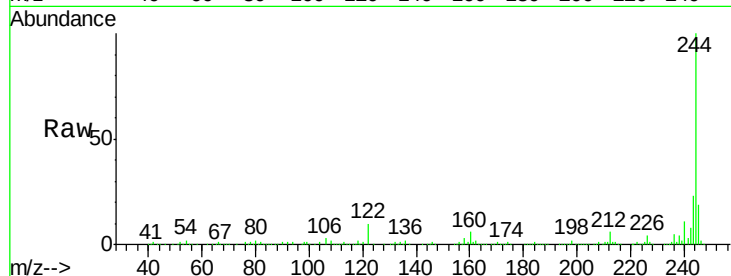




#78  
 Terphenyl-d14  
 Concen: 115.56 ng  
 RT: 15.16 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.0   | 5.5   | 8.3   |
| 122     | 9.8   | 9.7   | 14.5  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.17 min Scan# 1495  
 Delta R.T. -0.06 min  
 Lab File: BF075527.D  
 Acq: 15 Nov 2014 8:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.9  | 26.9  |
| 265     | 21.9  | 16.3  | 24.5  |

