

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111615\  
 Data File : BF082957.D  
 Acq On : 17 Nov 2015 00:21  
 Operator : UM/IZ  
 Sample : G4446-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111615-A263-E-U-M

Quant Time: Nov 17 07:51:46 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 17 04:41:30 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 225466   | 20.00 | ng    | -0.07    |
| 21) Naphthalene-d8          | 8.06  | 136  | 843536   | 20.00 | ng    | -0.08    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 504899   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 880501   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12            | 13.94 | 240  | 906976   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12            | 15.35 | 264  | 716007   | 20.00 | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 520475   | 35.92 | ng    | -0.06    |
| 7) Phenol-d6                | 6.43  | 99   | 461763   | 23.97 | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 1350429  | 69.66 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 370122   | 63.93 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 2047601  | 58.12 | ng    | -0.07    |
| 78) Terphenyl-d14           | 12.90 | 244  | 2420484  | 63.30 | ng    | -0.07    |

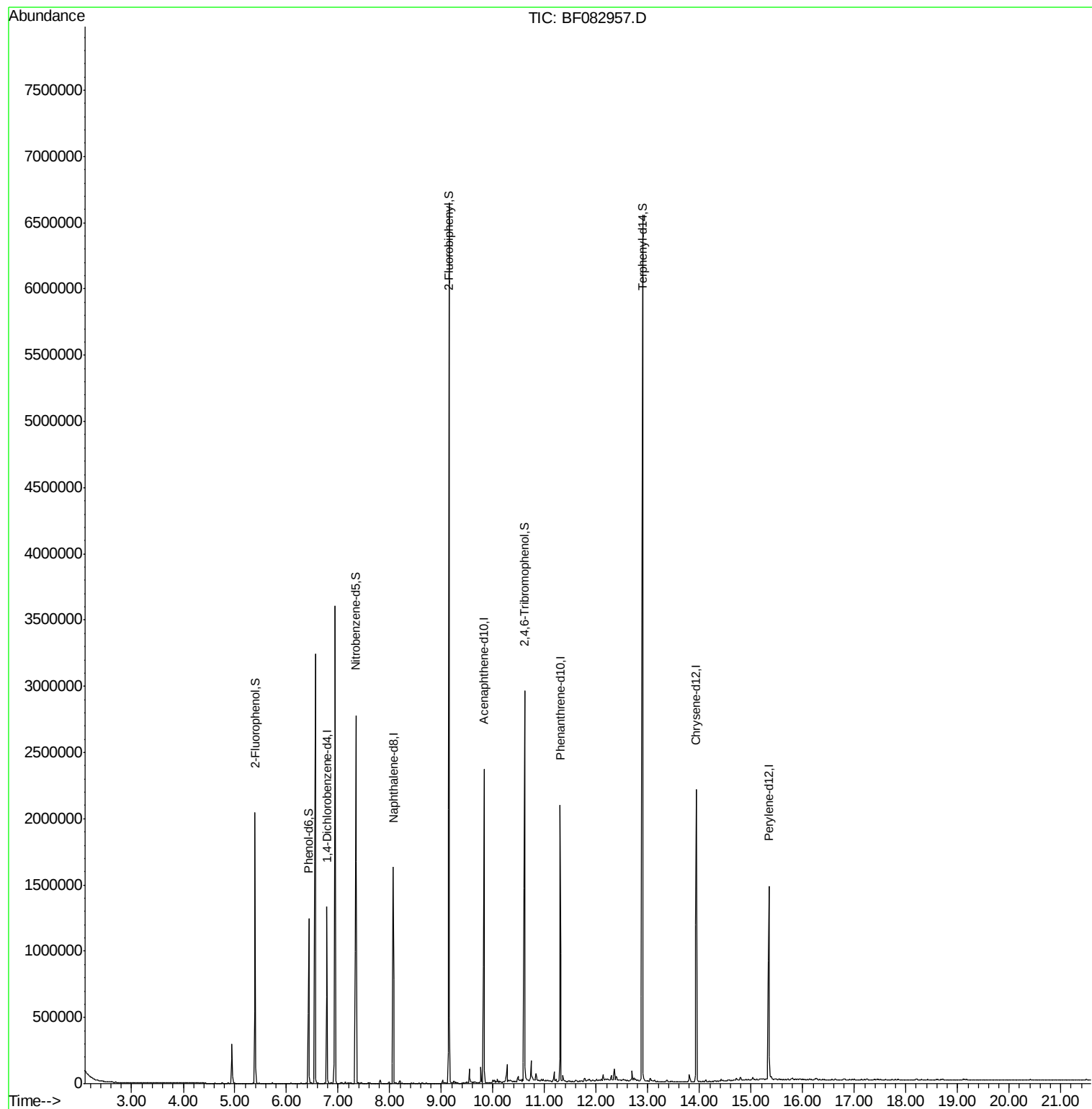
Target Compounds Qvalue

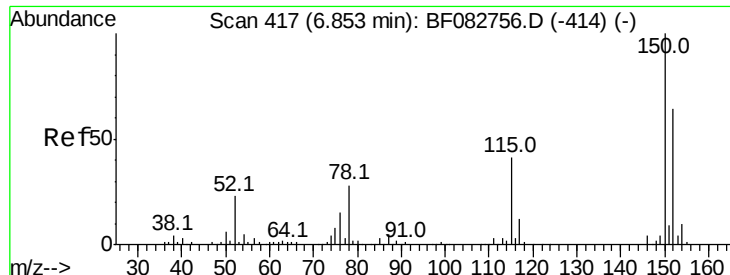
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 17 04:41:30 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA\_F

ClientSampleId :

111615-A263-E-U-M

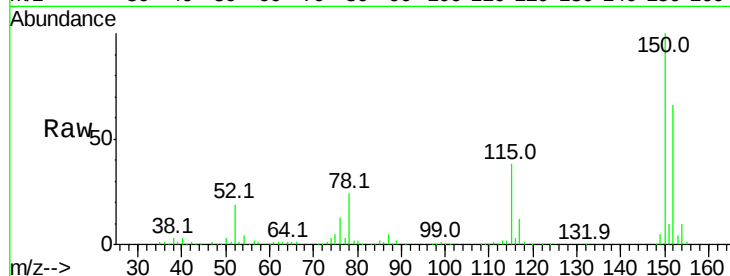
Tot Ion:152 Resp: 225466

Ion Ratio Lower Upper

152 100

150 152.5 127.0 190.4

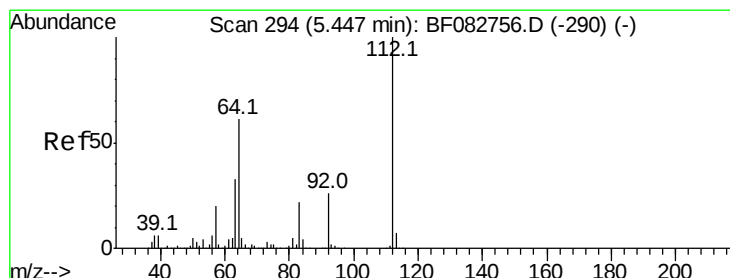
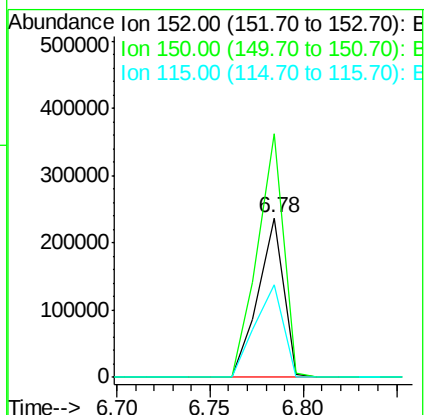
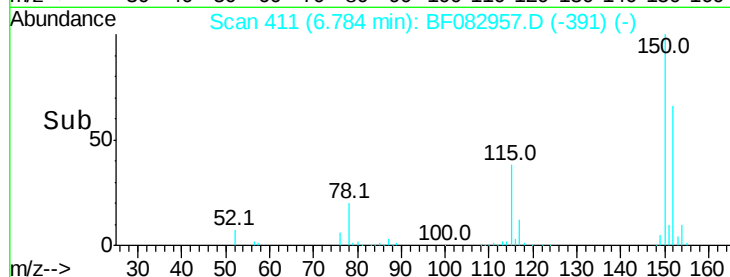
115 57.9 47.0 70.6



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: 35.92 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

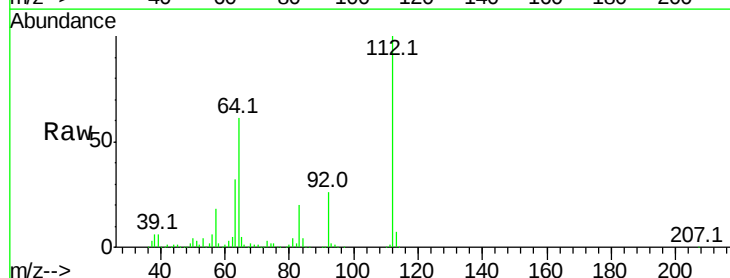
Tgt Ion:112 Resp: 520475

Ion Ratio Lower Upper

112 100

64 61.0 48.9 73.3

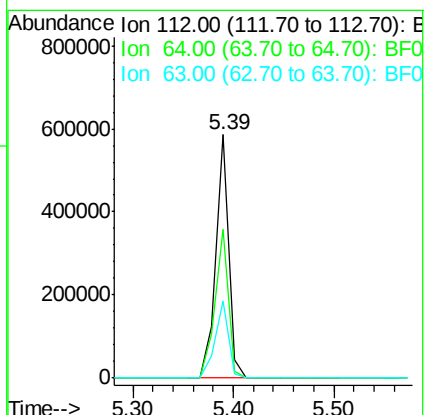
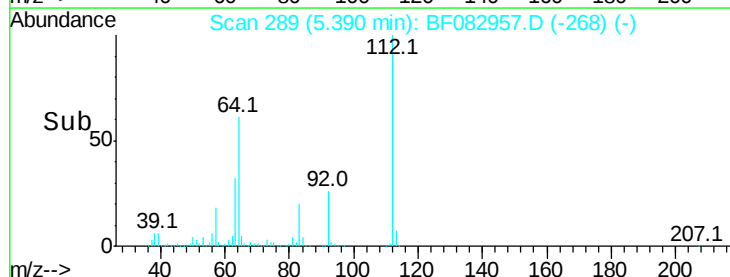
63 31.5 28.1 42.1

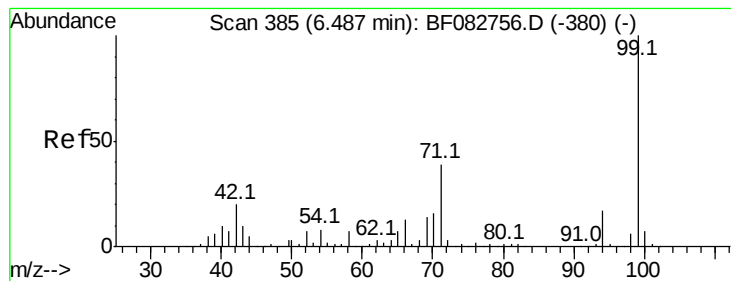


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.97 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA\_F

ClientSampleId :

111615-A263-E-U-M

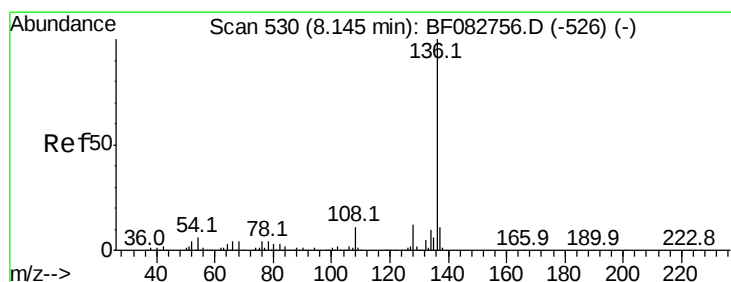
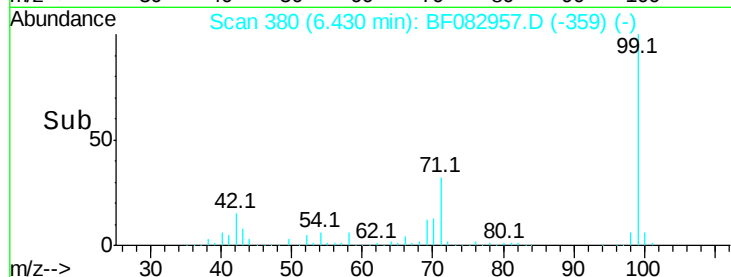
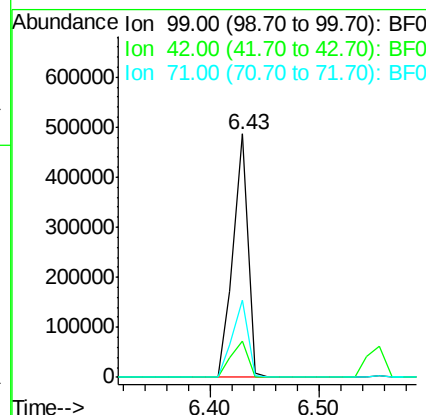
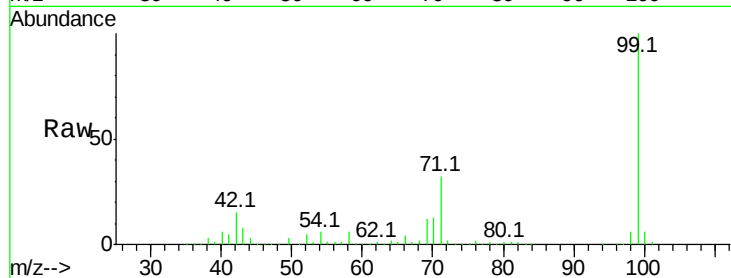
Tot Ion: 99 Resp: 461763

Ion Ratio Lower Upper

99 100

42 15.1 19.2 28.8#

71 31.5 35.0 52.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.08 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Tgt Ion: 136 Resp: 843536

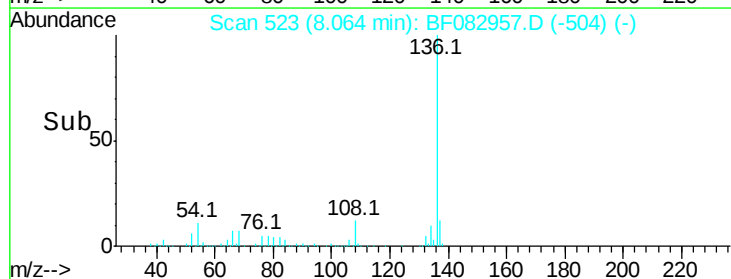
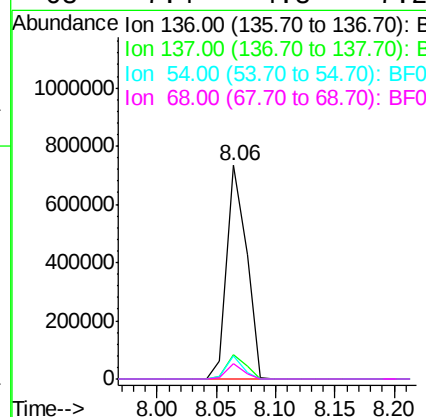
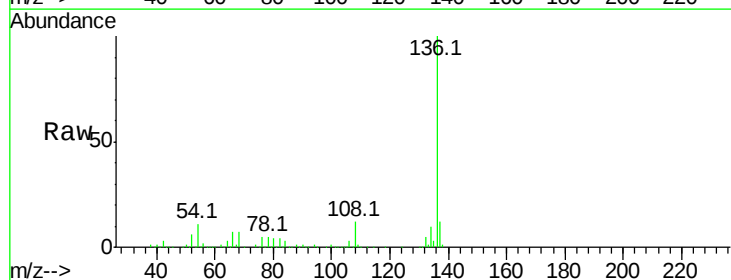
Ion Ratio Lower Upper

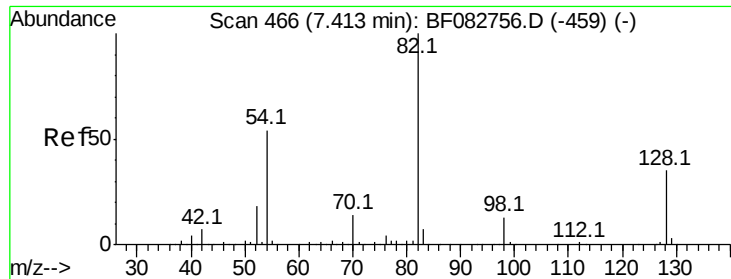
136 100

137 11.6 9.1 13.7

54 11.0 9.1 13.7

68 7.4 4.8 7.2#



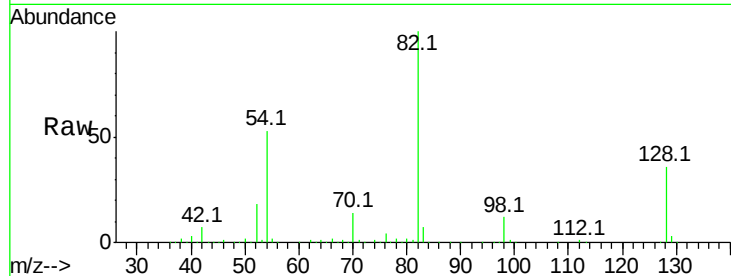


#23  
 Nitrobenzene-d5  
 Concen: 69.66 ng  
 RT: 7.34 min Scan# 460  
 Delta R.T. -0.07 min  
 Lab File: BF082957.D  
 Acq: 17 Nov 2015 00:21

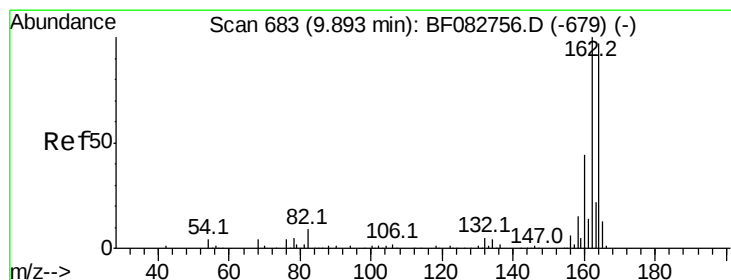
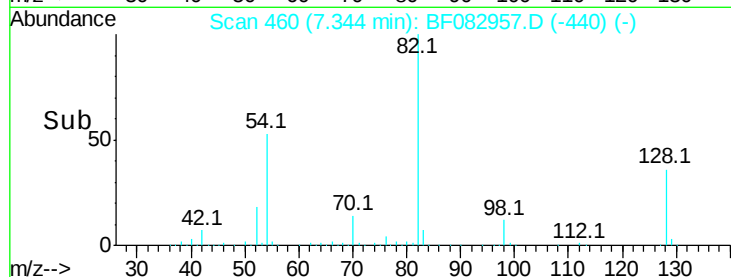
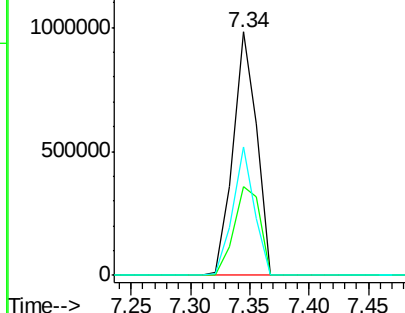
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111615-A263-E-U-M

Tot Ion: 82 Resp: 1350429  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.5  | 26.8  | 40.2  |
| 54  | 52.8  | 45.7  | 68.5  |



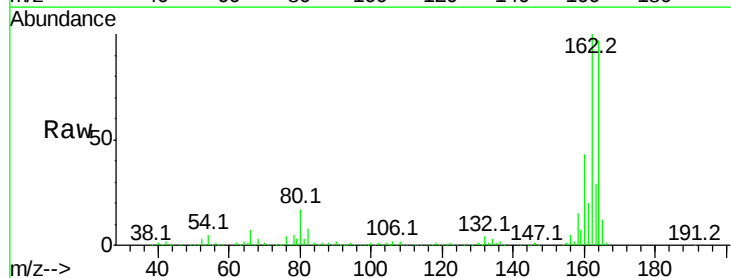
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0



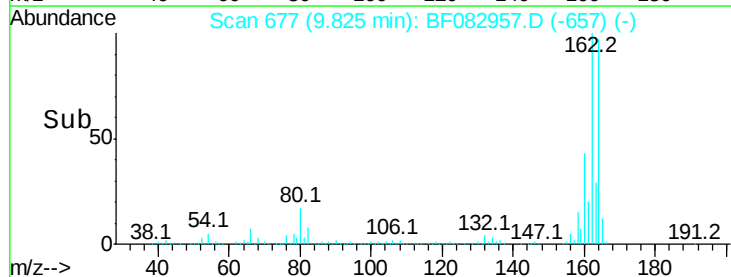
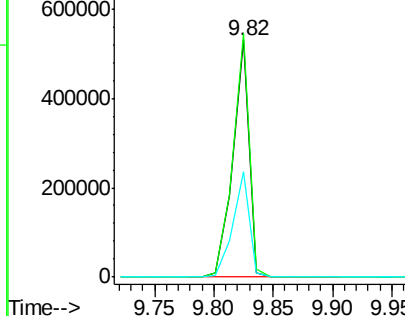
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 677  
 Delta R.T. -0.07 min  
 Lab File: BF082957.D  
 Acq: 17 Nov 2015 00:21

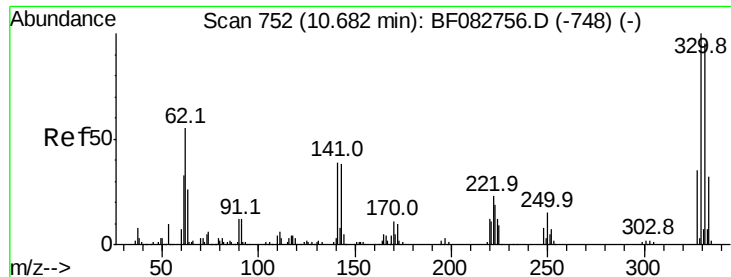
Tgt Ion:164 Resp: 504899  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.7 | 84.9  | 127.3 |
| 160 | 44.2  | 37.5  | 56.3  |



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

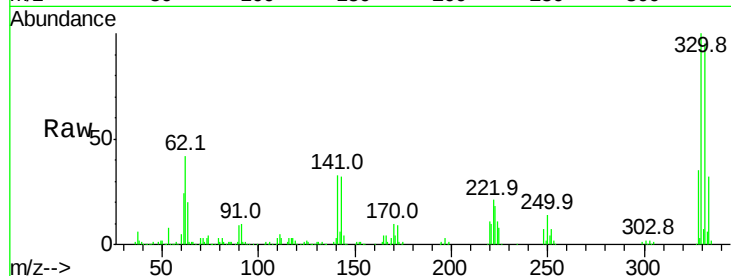




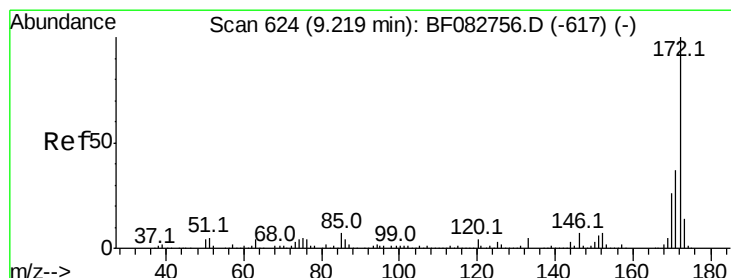
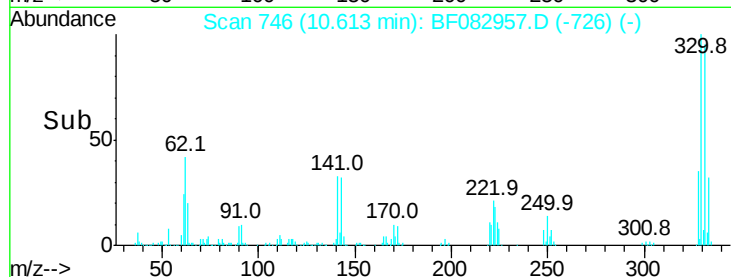
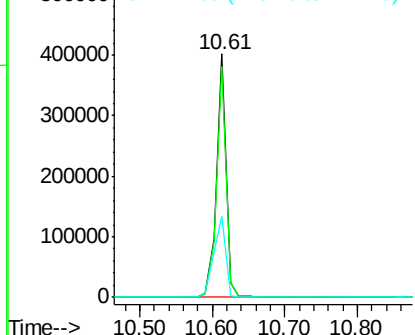
#41  
 2,4,6-Tribromophenol  
 Concen: 63.93 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. -0.07 min  
 Lab File: BF082957.D  
 Acq: 17 Nov 2015 00:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111615-A263-E-U-M

Tot Ion:330 Resp: 370122  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 76.6 114.8  
 141 41.1 41.2 61.8#

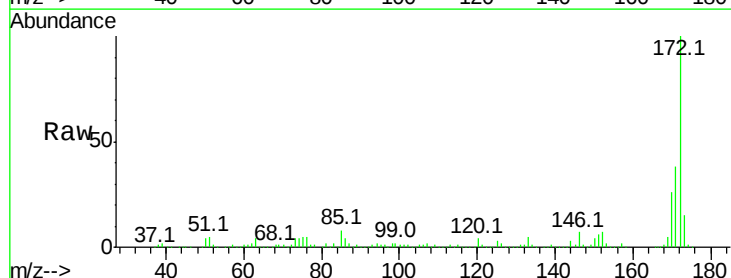


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

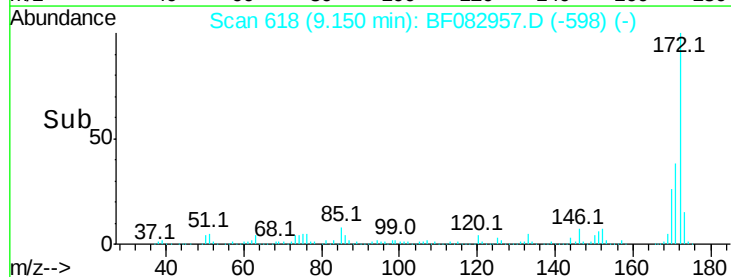
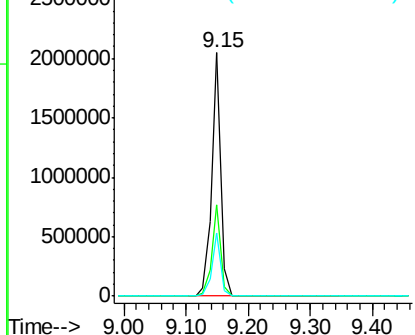


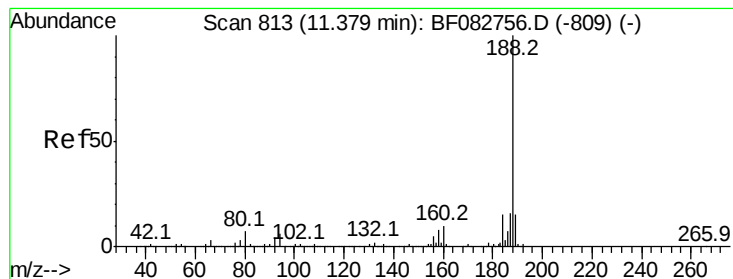
#44  
 2-Fluorobiphenyl  
 Concen: 58.12 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.07 min  
 Lab File: BF082957.D  
 Acq: 17 Nov 2015 00:21

Tgt Ion:172 Resp: 2047601  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 30.8 46.2  
 170 25.7 21.2 31.8



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: 11.30 min Scan# 806

Delta R.T. -0.08 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA\_F

ClientSampleId :

111615-A263-E-U-M

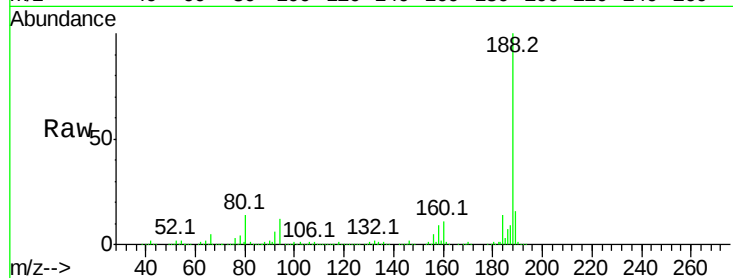
Tot Ion:188 Resp: 880501

Ion Ratio Lower Upper

188 100

94 11.8 6.1 9.1#

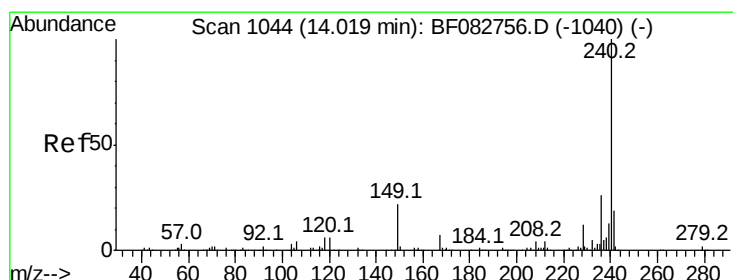
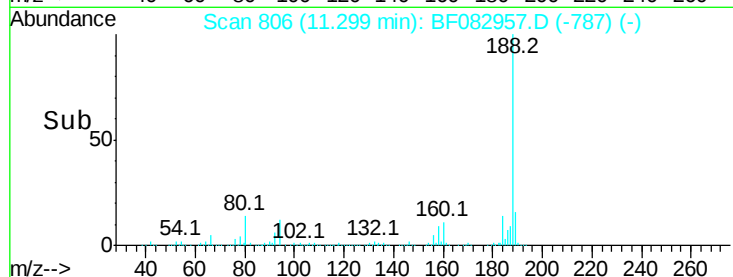
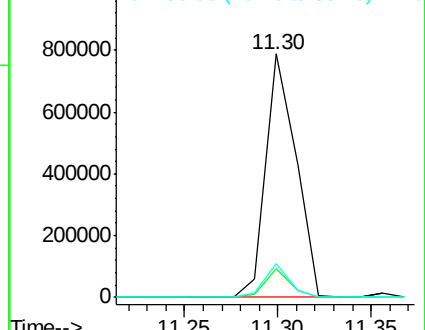
80 13.8 7.0 10.6#



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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

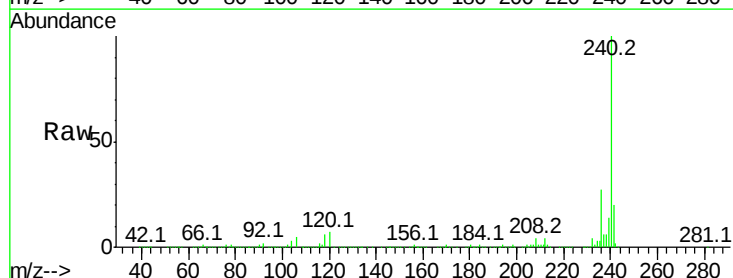
Tgt Ion:240 Resp: 906976

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

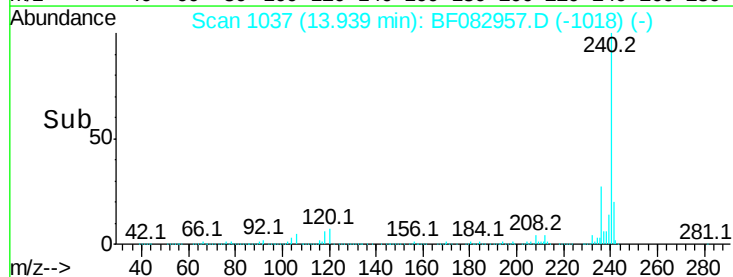
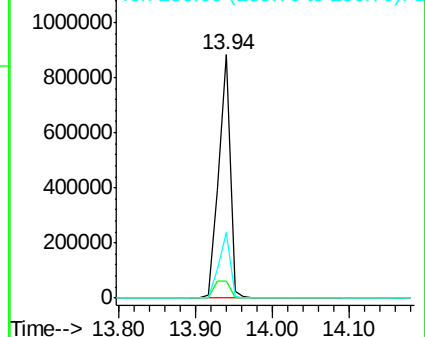
236 27.1 21.6 32.4

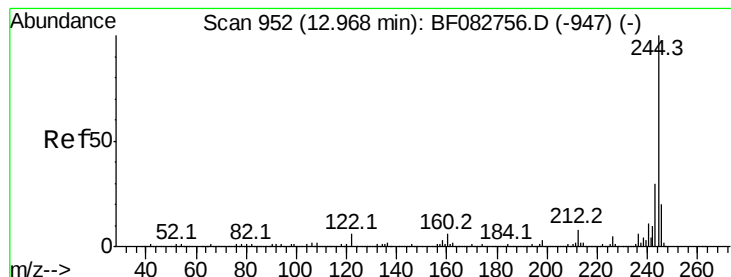


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.30 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.07 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

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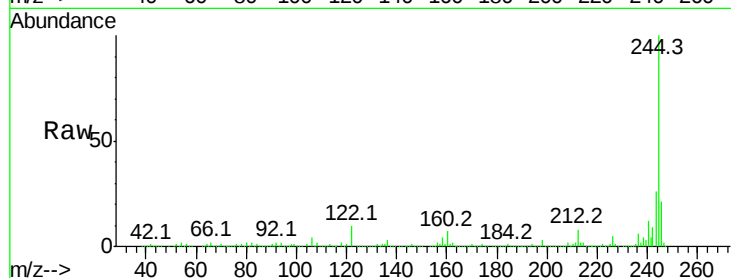
Tot Ion:244 Resp: 2420484

Ion Ratio Lower Upper

244 100

212 8.4 7.6 11.4

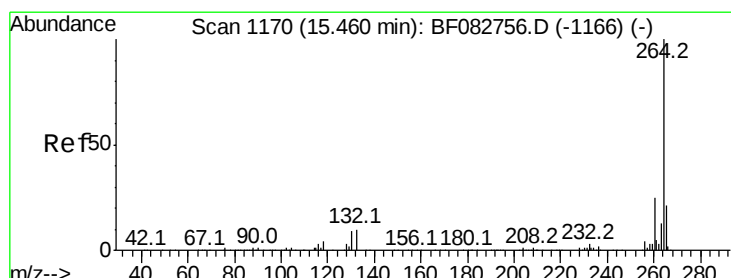
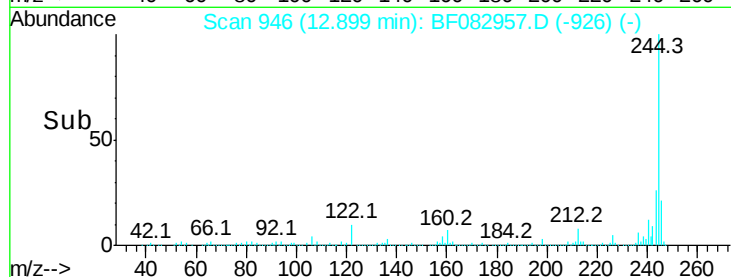
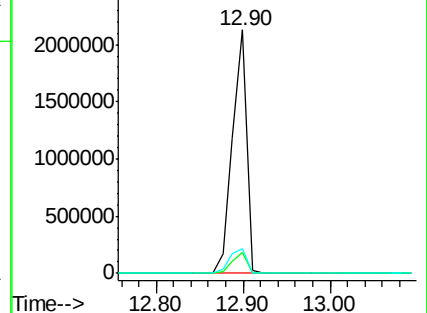
122 10.2 11.3 16.9#



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: 15.35 min Scan# 1160

Delta R.T. -0.11 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

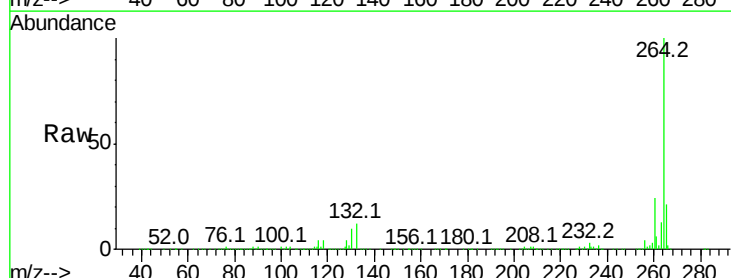
Tgt Ion:264 Resp: 716007

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

265 21.4 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

