

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012915\  
 Data File : BF077127.D  
 Acq On : 29 Jan 2015 17:03  
 Operator : TP/IZ  
 Sample : PB81546TB  
 Misc : W  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81546TB

Quant Time: Jan 30 01:26:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 30 01:18:33 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 29386    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.60 | 136  | 123173   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.71 | 164  | 64853    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.57 | 188  | 115359   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.08 | 240  | 118564   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.77 | 264  | 108587   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.70  | 112  | 188365   | 105.39 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 237640   | 105.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 142886   | 64.27  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.45 | 330  | 56589    | 107.50 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 285780   | 67.06  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.81 | 244  | 314900   | 61.14  | ng    | 0.00     |

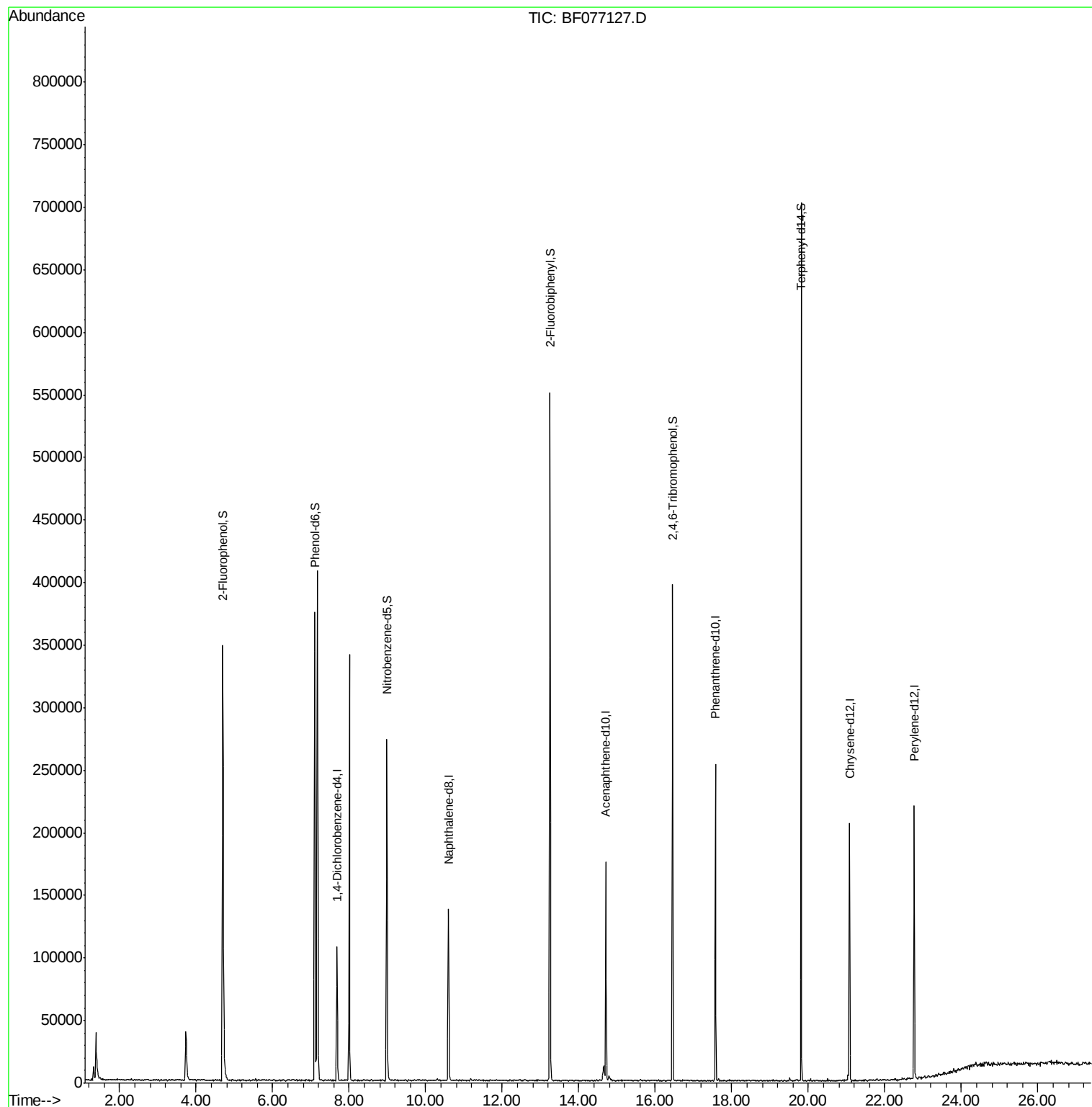
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012915\  
Data File : BF077127.D  
Acq On : 29 Jan 2015 17:03  
Operator : TP/IZ  
Sample : PB81546TB  
Misc : W  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB81546TB

Quant Time: Jan 30 01:26:19 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 30 01:18:33 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF077127.D

Acq: 29 Jan 2015 17:03

Instrument :

BNA\_F

ClientSampleId :

PB81546TB

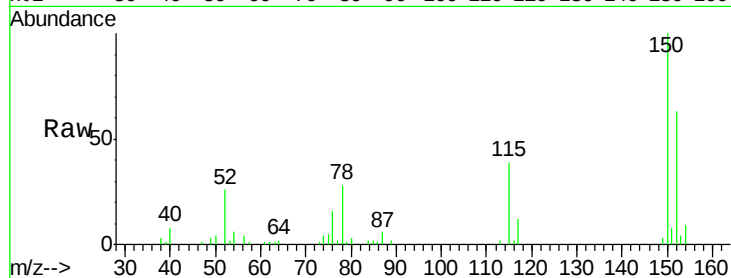
Tgt Ion:152 Resp: 29386

Ion Ratio Lower Upper

152 100

150 158.7 121.7 182.5

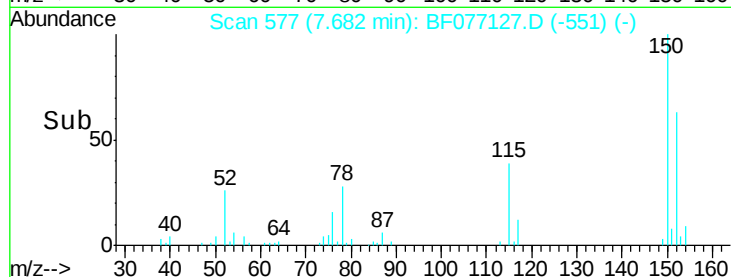
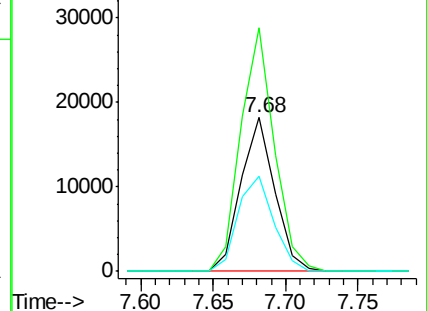
115 62.3 47.0 70.6



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: 105.39 ng

RT: 4.70 min Scan# 316

Delta R.T. -0.00 min

Lab File: BF077127.D

Acq: 29 Jan 2015 17:03

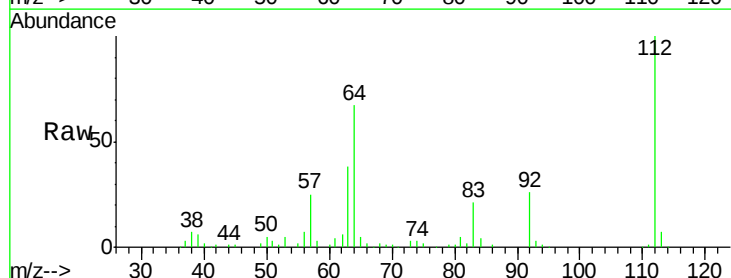
Tgt Ion:112 Resp: 188365

Ion Ratio Lower Upper

112 100

64 67.2 54.2 81.4

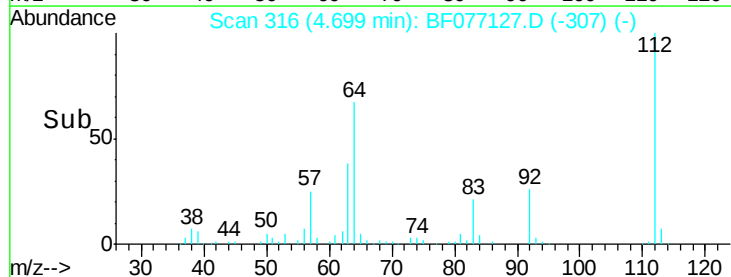
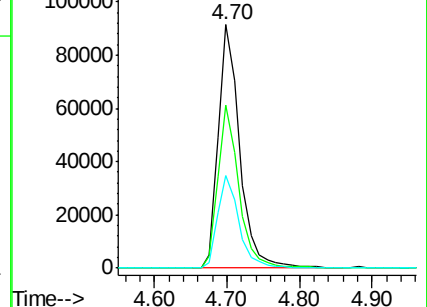
63 38.1 28.4 42.6

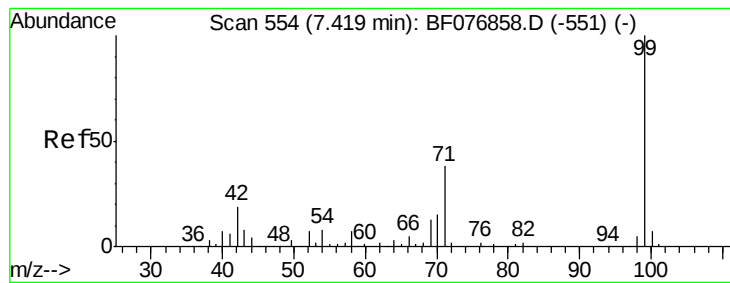


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.40 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF077127.D

Acq: 29 Jan 2015 17:03

Instrument :

BNA\_F

ClientSampleId :

PB81546TB

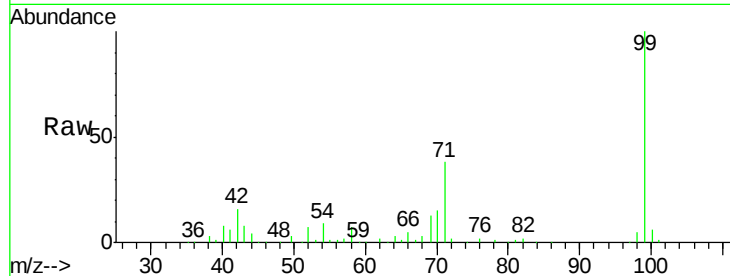
Tgt Ion: 99 Resp: 237640

Ion Ratio Lower Upper

99 100

42 16.3 15.0 22.4

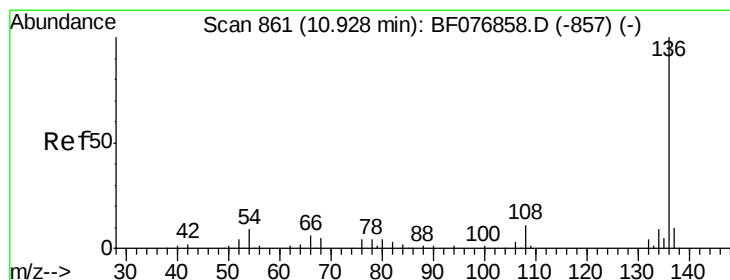
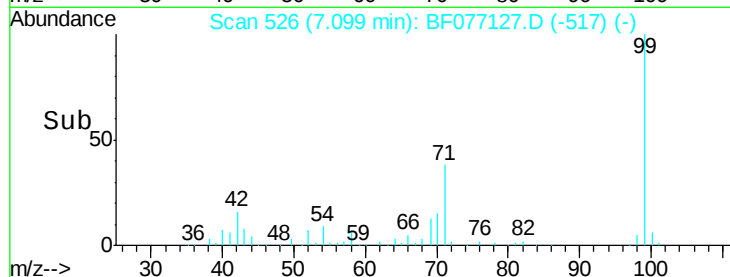
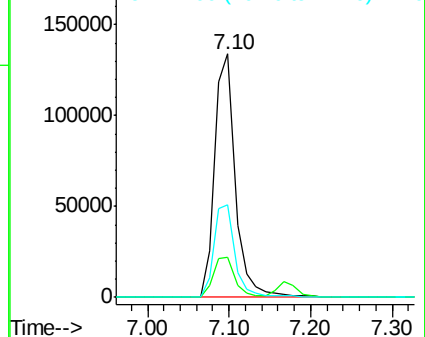
71 38.0 30.5 45.7



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: 10.60 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF077127.D

Acq: 29 Jan 2015 17:03

Tgt Ion: 136 Resp: 123173

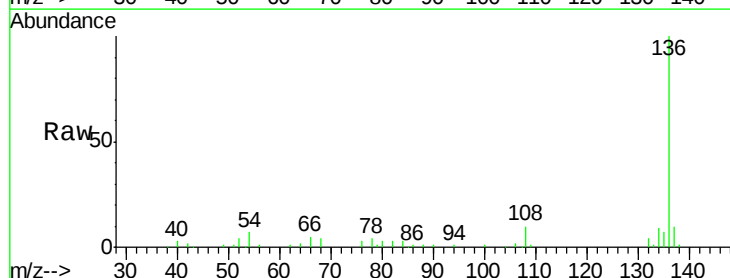
Ion Ratio Lower Upper

136 100

137 9.8 8.1 12.1

54 7.3 7.0 10.4

68 4.3 3.7 5.5

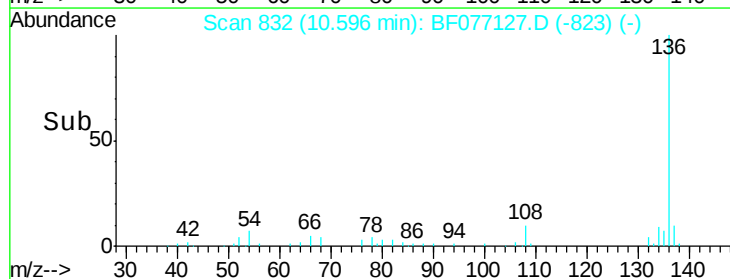
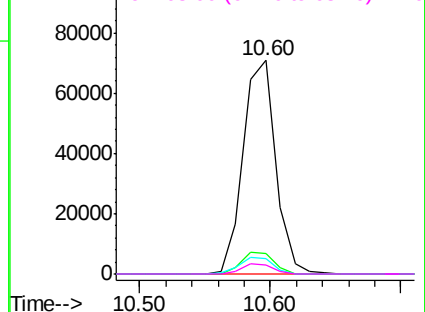


Abundance Ion 136.00 (135.70 to 136.70): E

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

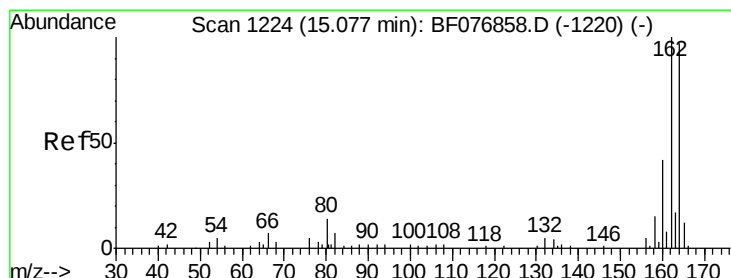
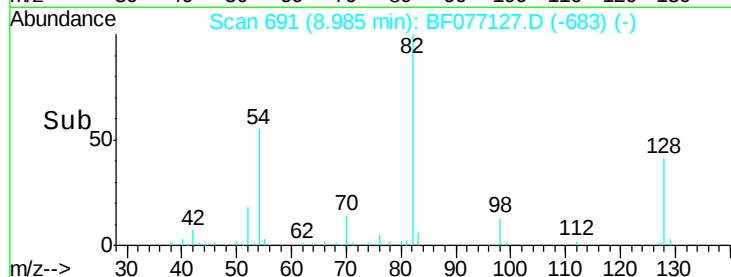
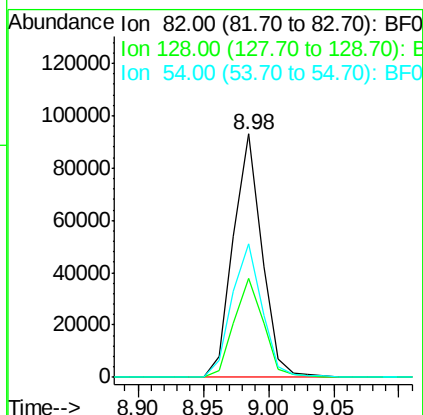
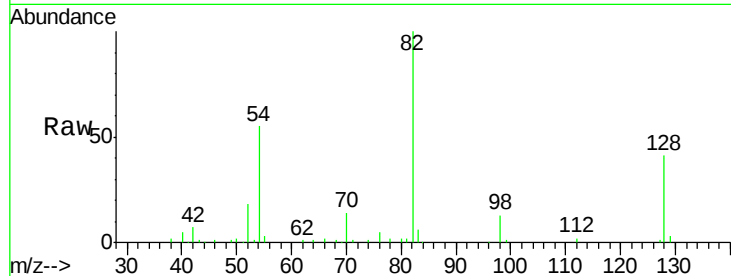




#23  
 Nitrobenzene-d5  
 Concen: 64.27 ng  
 RT: 8.98 min Scan# 691  
 Delta R.T. -0.01 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

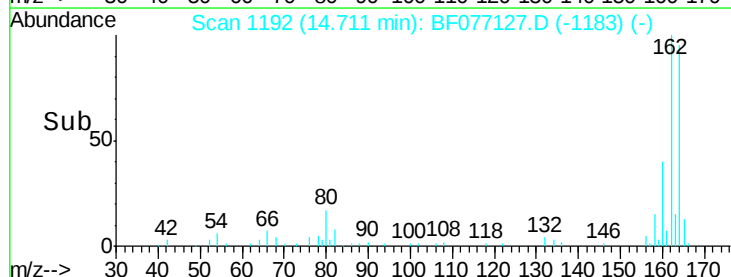
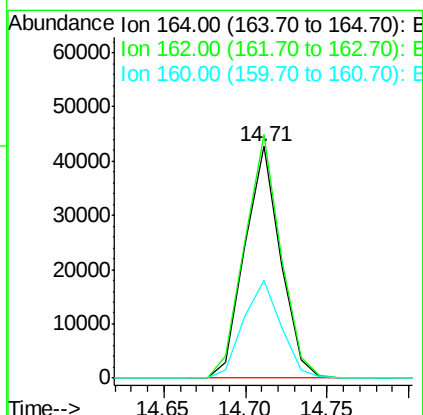
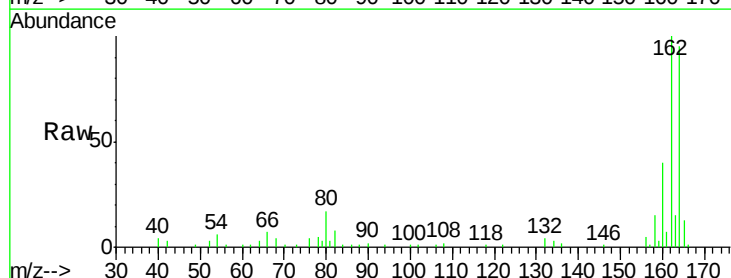
Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB81546TB

Tgt Ion: 82 Resp: 142886  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 33.1 49.7  
 54 55.0 48.3 72.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.71 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

Tgt Ion: 164 Resp: 64853  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 82.4 123.6  
 160 42.1 34.8 52.2

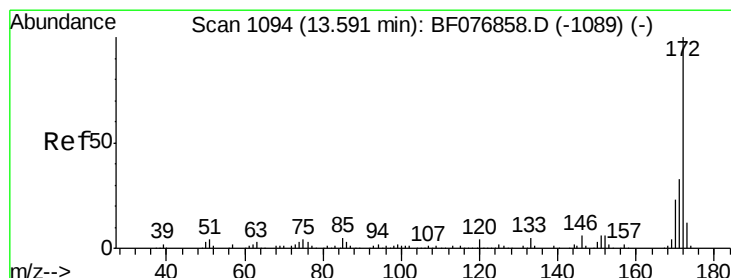
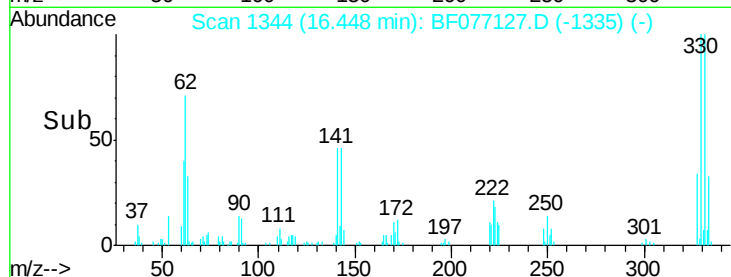
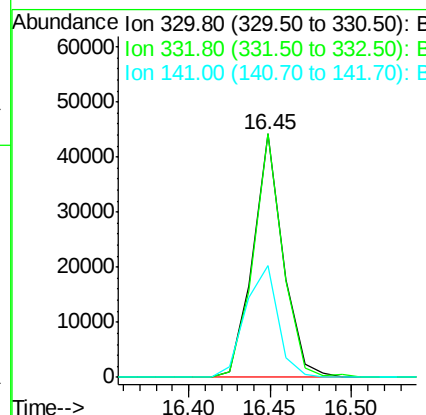
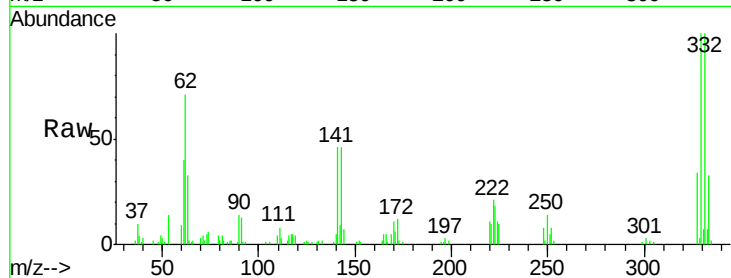




#41  
 2,4,6-Tribromophenol  
 Concen: 107.50 ng  
 RT: 16.45 min Scan# 1344  
 Delta R.T. -0.00 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

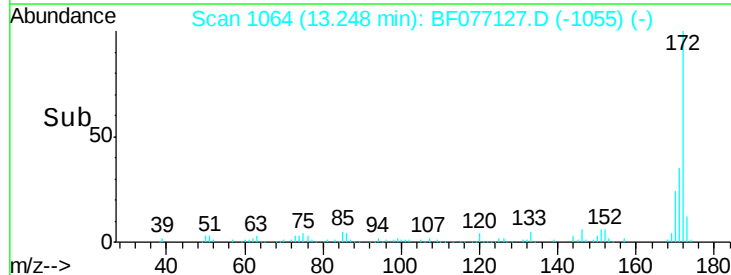
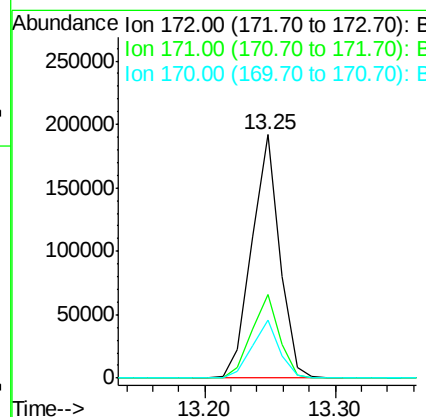
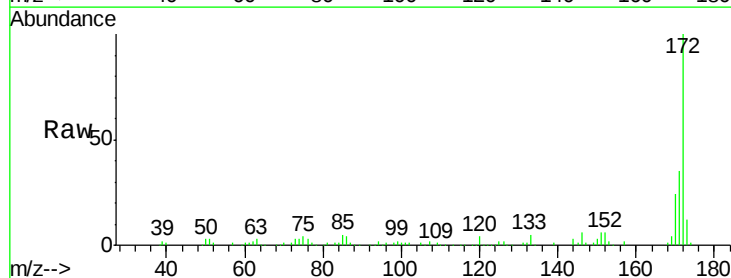
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81546TB

Tgt Ion:330 Resp: 56589  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 77.8 116.6  
 141 49.4 38.5 57.7



#44  
 2-Fluorobiphenyl  
 Concen: 67.06 ng  
 RT: 13.25 min Scan# 1064  
 Delta R.T. -0.00 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

Tgt Ion:172 Resp: 285780  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 26.6 40.0  
 170 23.8 18.0 27.0

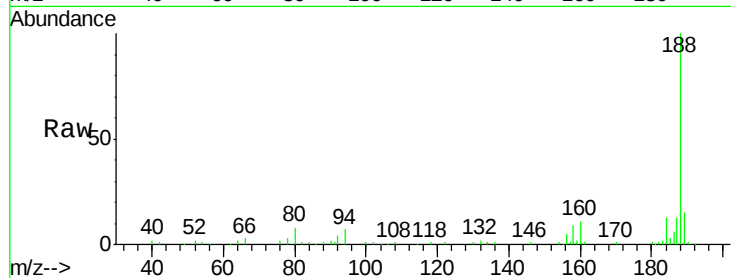




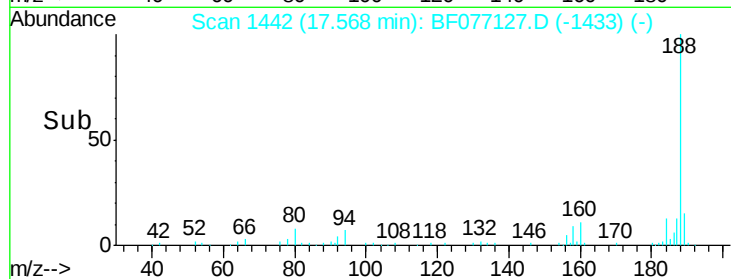
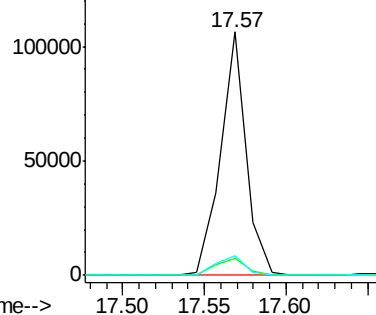
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 1442  
Delta R.T. -0.00 min  
Lab File: BF077127.D  
Acq: 29 Jan 2015 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB81546TB

Tgt Ion:188 Resp: 115359  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.0 9.0  
80 8.2 6.9 10.3

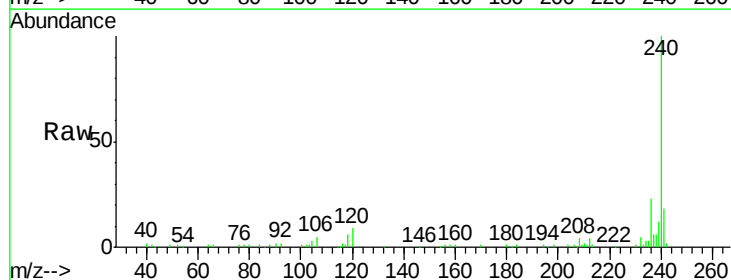


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

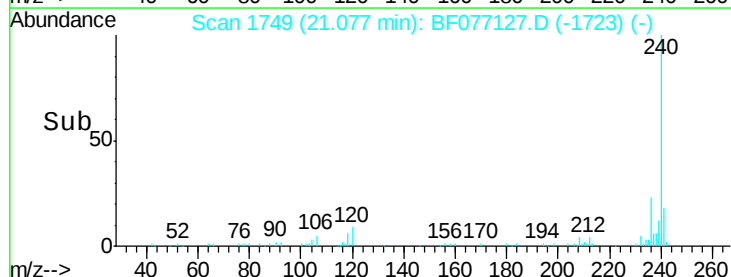
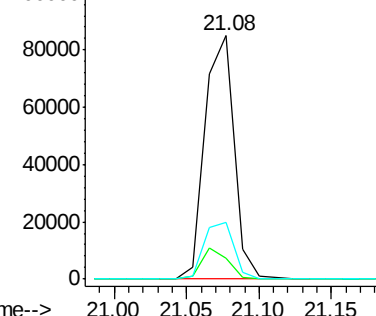


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.08 min Scan# 1749  
Delta R.T. -0.00 min  
Lab File: BF077127.D  
Acq: 29 Jan 2015 17:03

Tgt Ion:240 Resp: 118564  
Ion Ratio Lower Upper  
240 100  
120 8.7 10.4 15.6#  
236 23.5 20.2 30.2



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

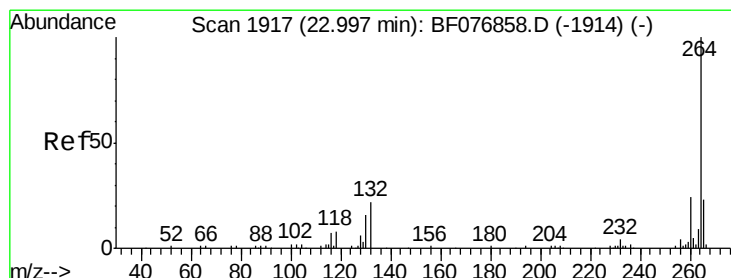
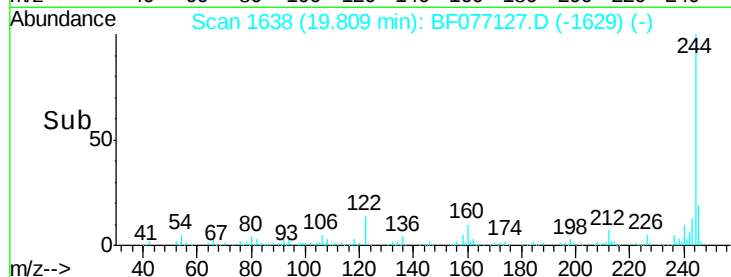
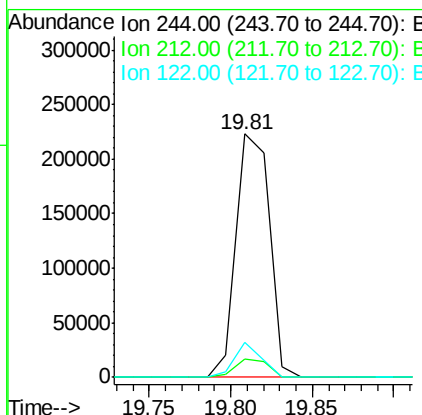
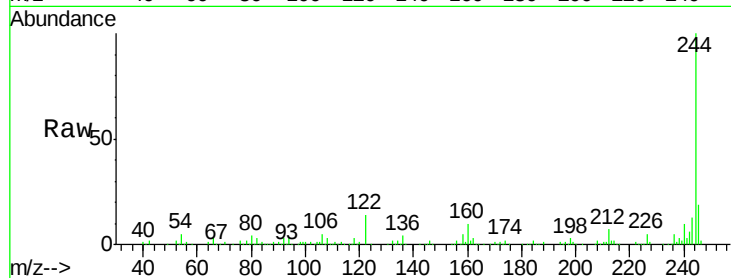




#78  
 Terphenyl-d14  
 Concen: 61.14 ng  
 RT: 19.81 min Scan# 1638  
 Delta R.T. -0.00 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81546TB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.3   | 9.5   |
| 122     | 14.3  | 10.1  | 15.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.77 min Scan# 1897  
 Delta R.T. 0.05 min  
 Lab File: BF077127.D  
 Acq: 29 Jan 2015 17:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 19.0  | 28.4  |
| 265     | 21.6  | 18.1  | 27.1  |

