

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033115\  
 Data File : BF078127.D  
 Acq On : 31 Mar 2015 21:29  
 Operator : TP/IZ  
 Sample : G1696-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0461

Quant Time: Apr 01 00:25:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 01 00:51:03 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.05  | 152  | 38001    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.62  | 136  | 154561   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.79 | 164  | 78695    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.63 | 188  | 158204   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.89 | 240  | 157327   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.56 | 264  | 148842   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 118652   | 54.50  | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 82369    | 30.62  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.74  | 82   | 239235   | 101.46 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.77 | 330  | 94830    | 125.95 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.97  | 172  | 511085   | 95.44  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.61 | 244  | 487218   | 75.65  | ng    | 0.00     |

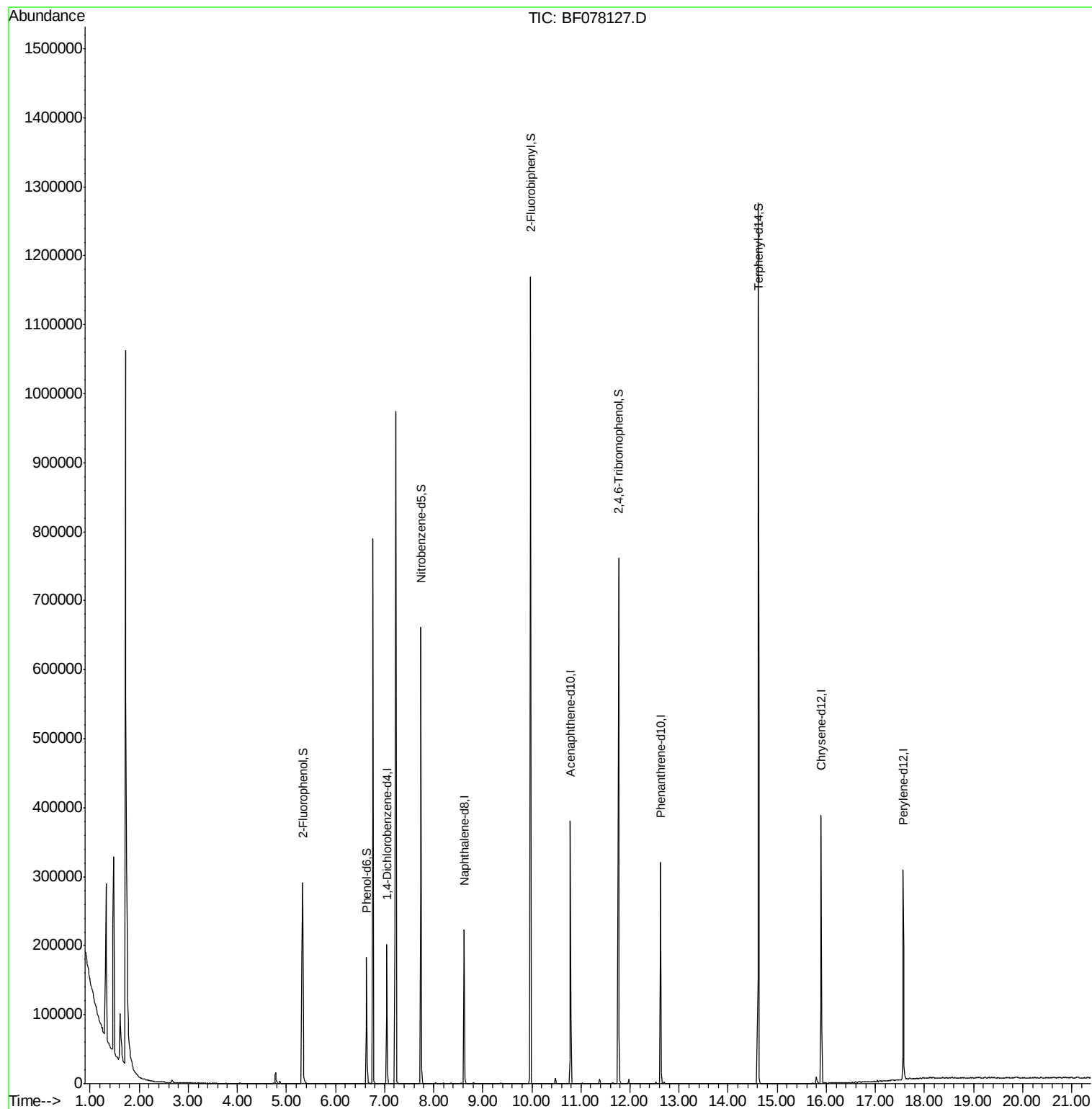
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

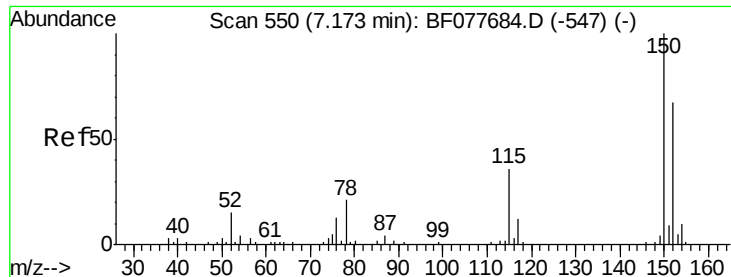
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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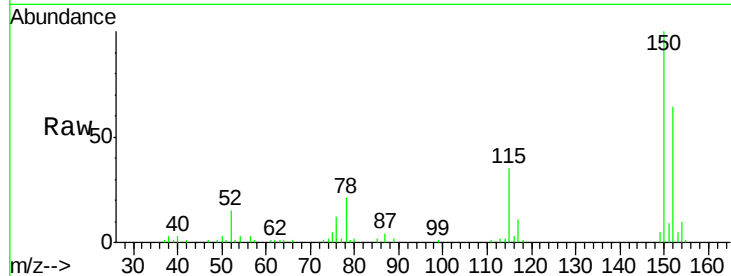




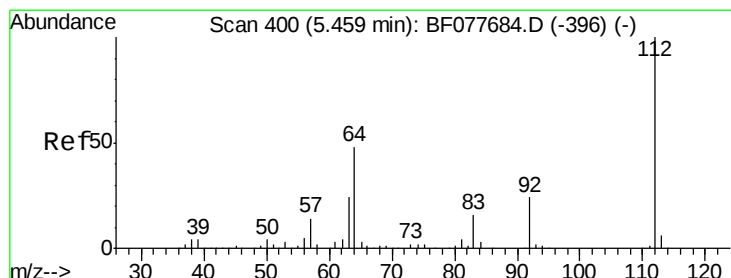
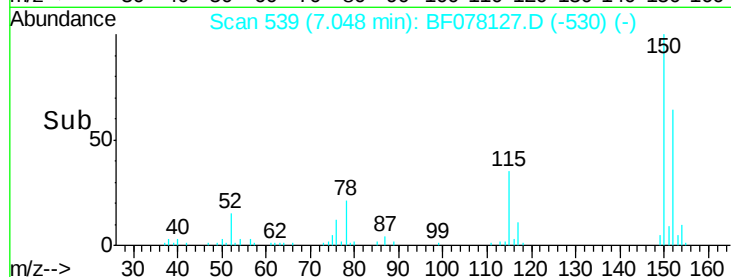
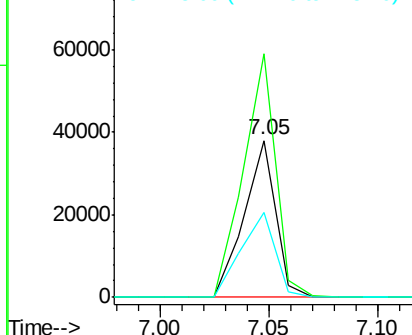
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.05 min Scan# 539  
 Delta R.T. 0.00 min  
 Lab File: BF078127.D  
 Acq: 31 Mar 2015 21:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S32-0461

Tgt Ion:152 Resp: 38001  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 119.5 179.3  
 115 54.2 43.0 64.4

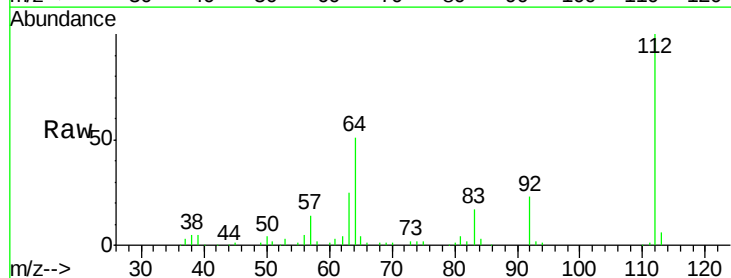


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

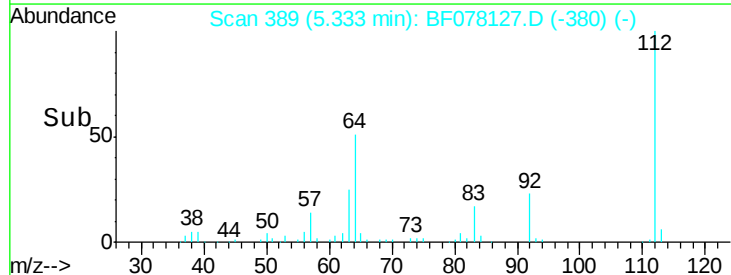
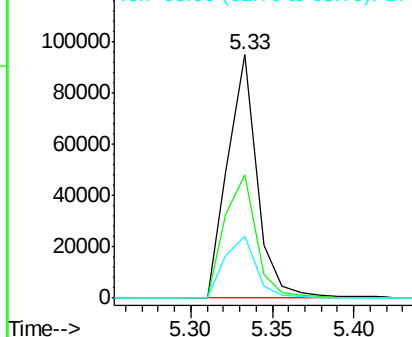


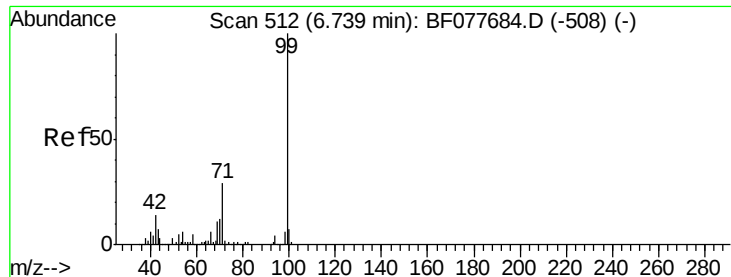
#5  
 2-Fluorophenol  
 Concen: 54.50 ng  
 RT: 5.33 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: BF078127.D  
 Acq: 31 Mar 2015 21:29

Tgt Ion:112 Resp: 118652  
 Ion Ratio Lower Upper  
 112 100  
 64 50.8 38.6 57.8  
 63 25.2 19.3 28.9



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: 30.62 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

Instrument :

BNA\_F

ClientSampleId :

S32-0461

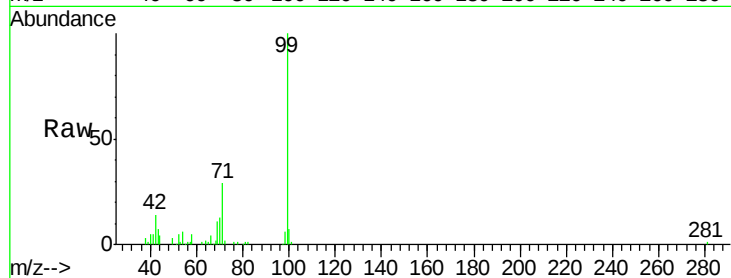
Tgt Ion: 99 Resp: 82369

Ion Ratio Lower Upper

99 100

42 14.2 11.0 16.4

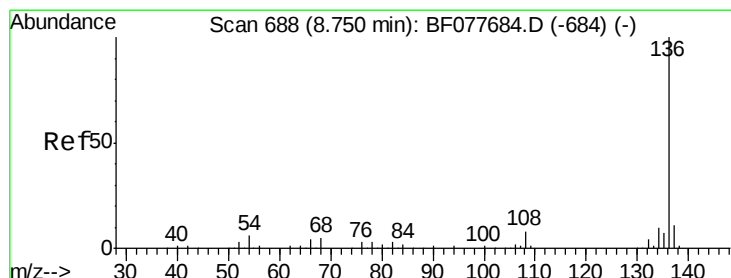
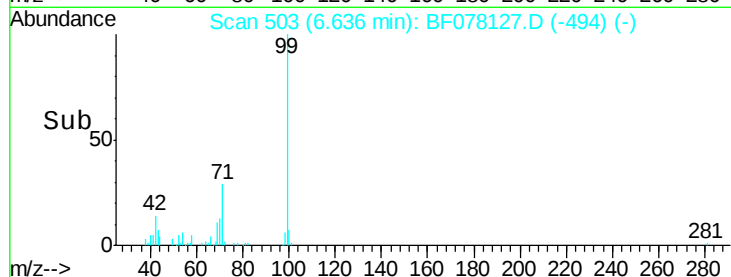
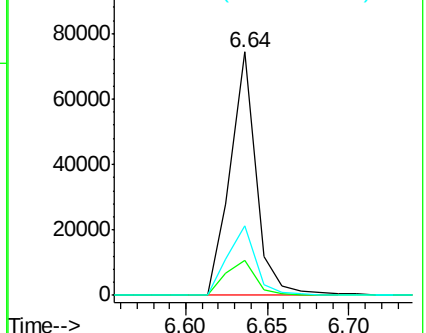
71 28.7 23.4 35.2



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: 8.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

Tgt Ion: 136 Resp: 154561

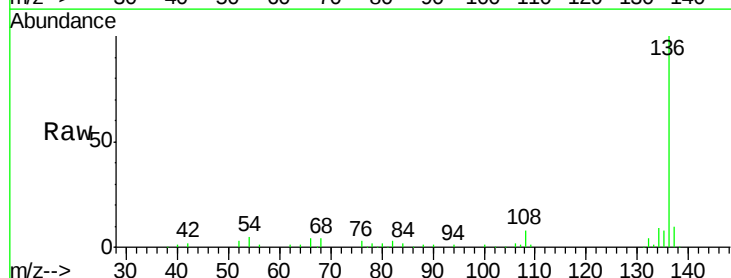
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 5.2 4.6 6.8

68 4.3 3.7 5.5

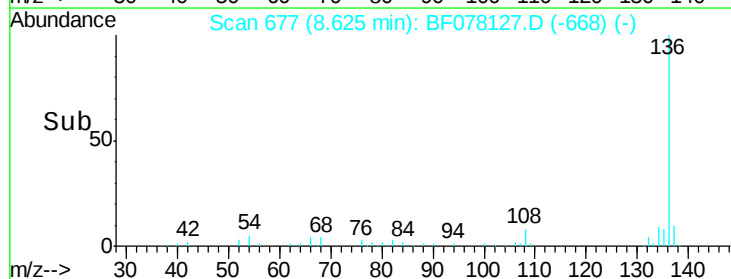
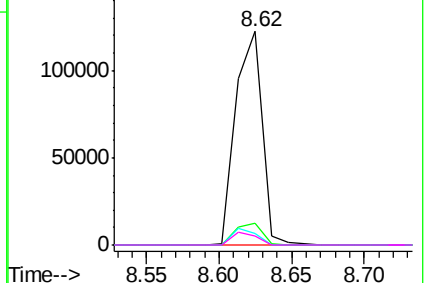


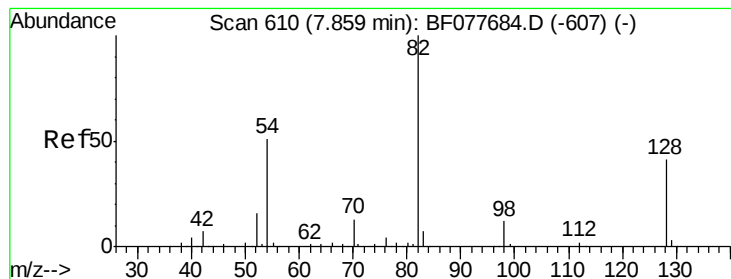
Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.46 ng

RT: 7.74 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

Instrument :

BNA\_F

ClientSampleId :

S32-0461

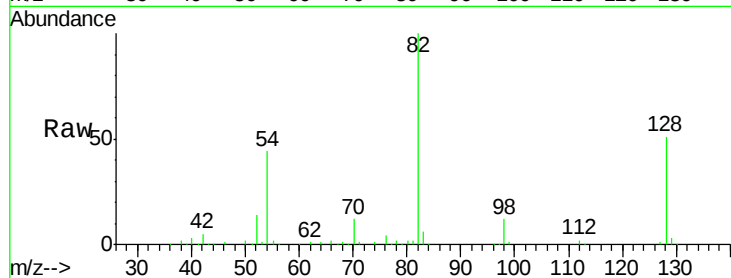
Tgt Ion: 82 Resp: 239235

Ion Ratio Lower Upper

82 100

128 50.7 32.8 49.2#

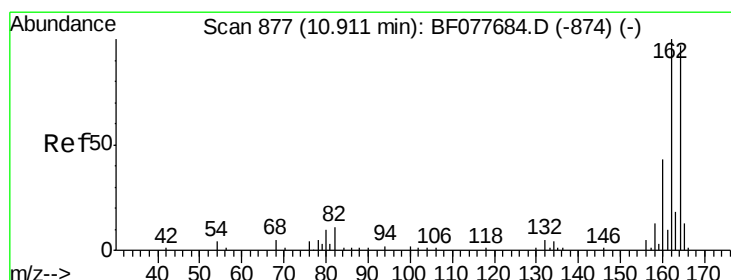
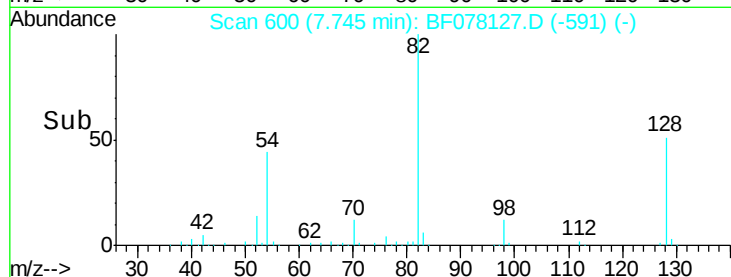
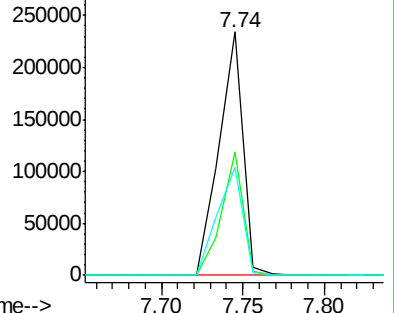
54 44.3 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF077684.D (-607) (-)

Ion 128.00 (127.70 to 128.70): BF077684.D (-607) (-)

Ion 54.00 (53.70 to 54.70): BF077684.D (-607) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.79 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

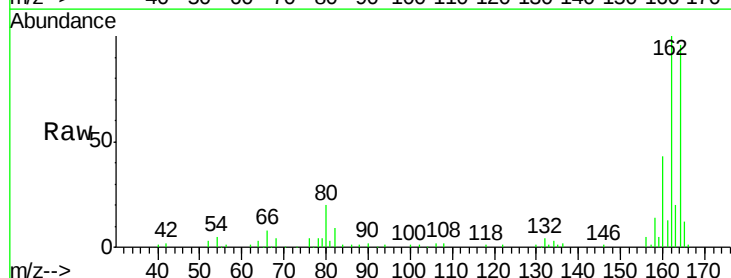
Tgt Ion: 164 Resp: 78695

Ion Ratio Lower Upper

164 100

162 104.5 82.4 123.6

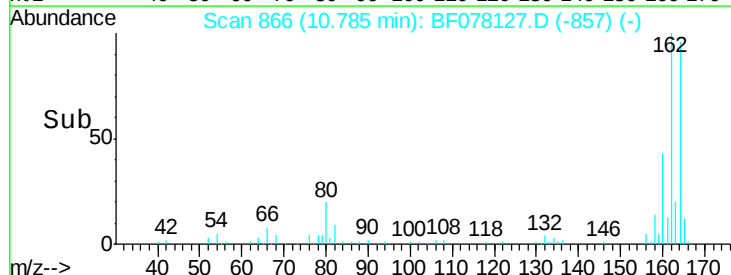
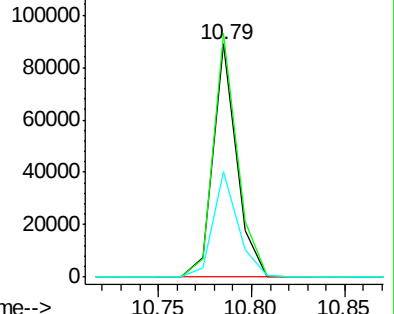
160 45.0 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF077684.D (-874) (-)

Ion 162.00 (161.70 to 162.70): BF077684.D (-874) (-)

Ion 160.00 (159.70 to 160.70): BF077684.D (-874) (-)

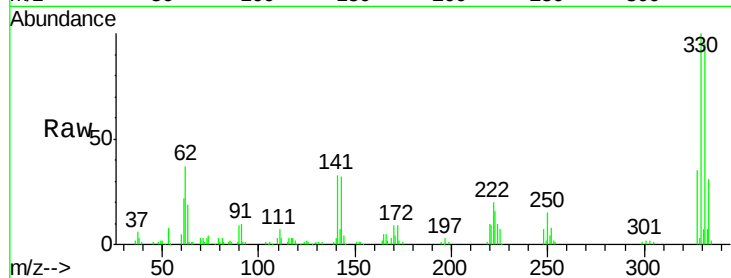




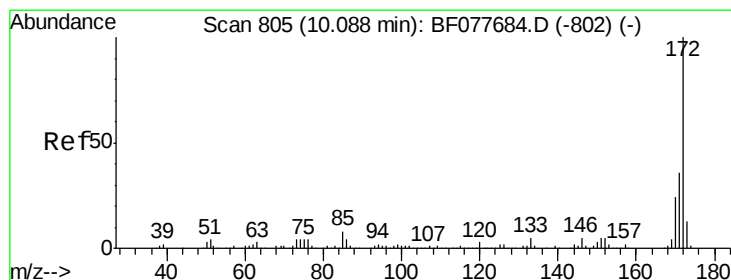
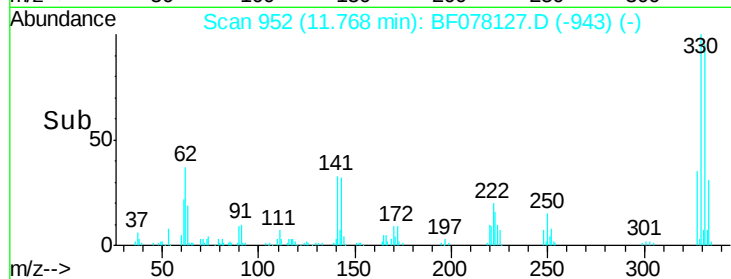
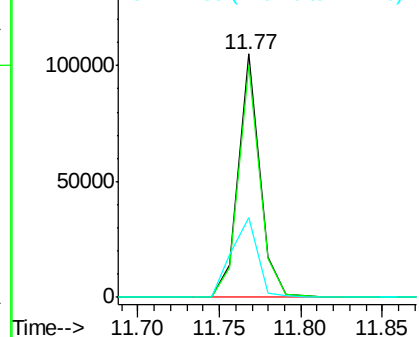
#41  
 2,4,6-Tribromophenol  
 Concen: 125.95 ng  
 RT: 11.77 min Scan# 952  
 Delta R.T. 0.00 min  
 Lab File: BF078127.D  
 Acq: 31 Mar 2015 21:29

Instrument :  
 BNA\_F  
 ClientSampled :  
 S32-0461

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 0.0   | 0.0#  |
| 141     | 39.7  | 0.0   | 0.0#  |

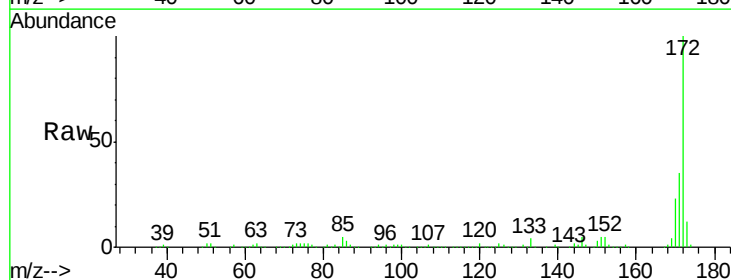


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

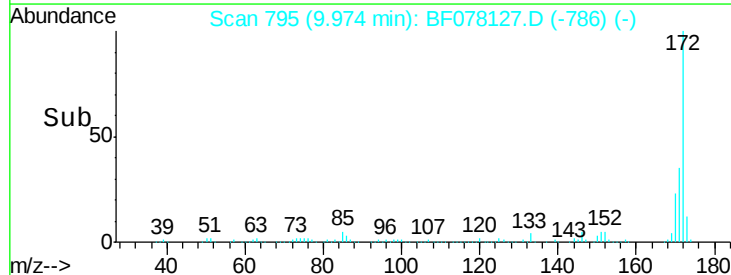
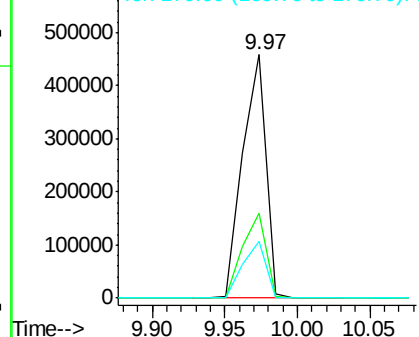


#44  
 2-Fluorobiphenyl  
 Concen: 95.44 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: BF078127.D  
 Acq: 31 Mar 2015 21:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |



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

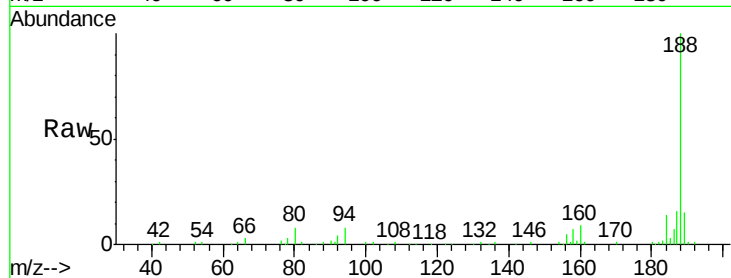




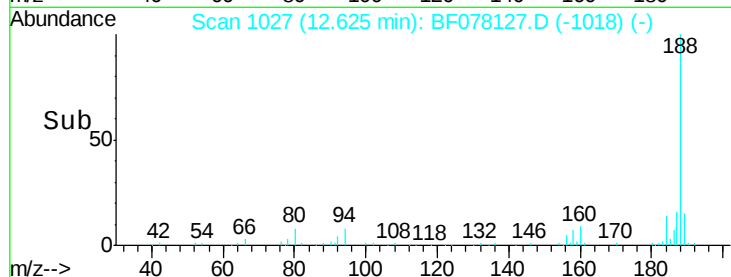
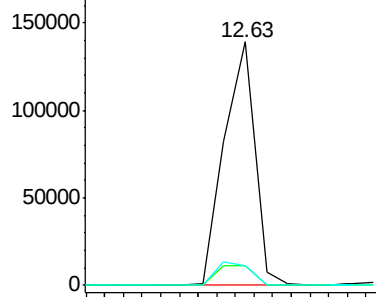
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.63 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BF078127.D  
Acq: 31 Mar 2015 21:29

Instrument :  
BNA\_F  
ClientSampleId :  
S32-0461

Tgt Ion:188 Resp: 158204  
Ion Ratio Lower Upper  
188 100  
94 7.9 8.7 13.1#  
80 8.1 9.3 13.9#

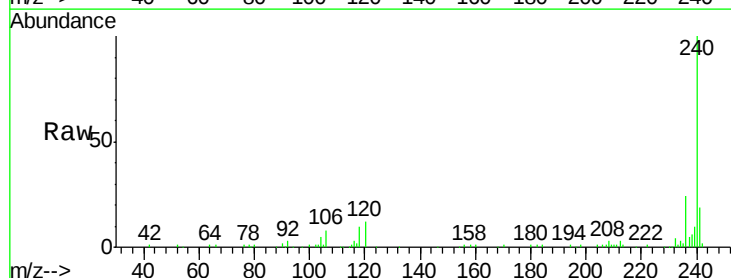


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

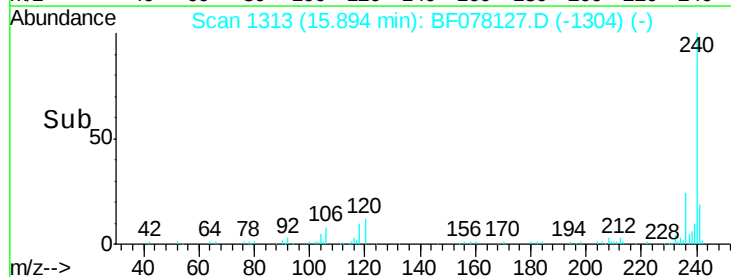
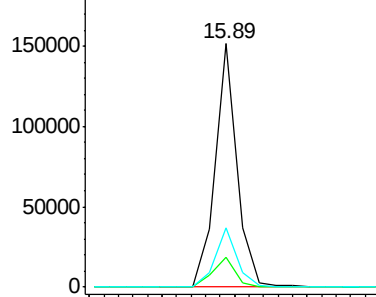


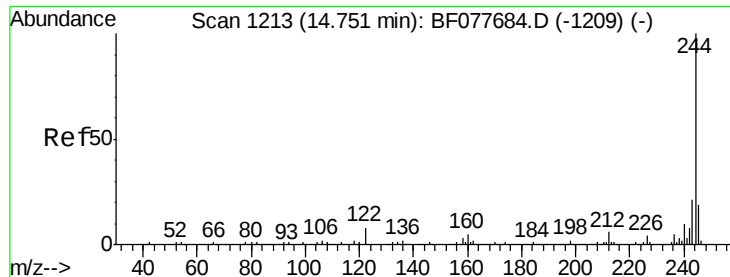
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.89 min Scan# 1313  
Delta R.T. 0.00 min  
Lab File: BF078127.D  
Acq: 31 Mar 2015 21:29

Tgt Ion:240 Resp: 157327  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.2 12.2#  
236 24.5 20.0 30.0



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: 75.65 ng

RT: 14.61 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

Instrument :

BNA\_F

ClientSampleId :

S32-0461

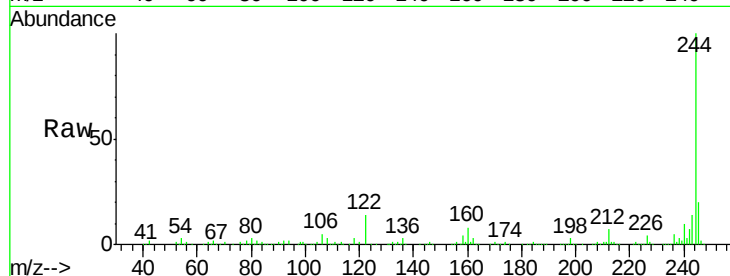
Tgt Ion:244 Resp: 487218

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3#

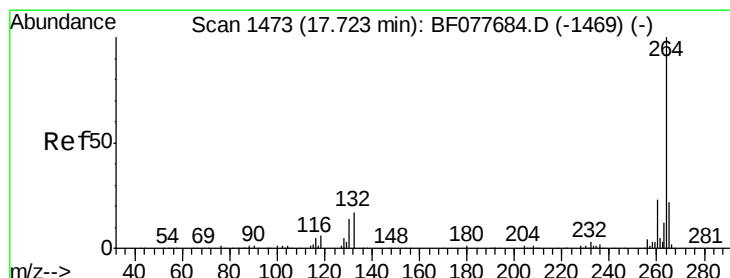
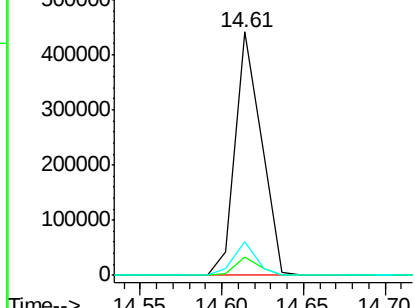
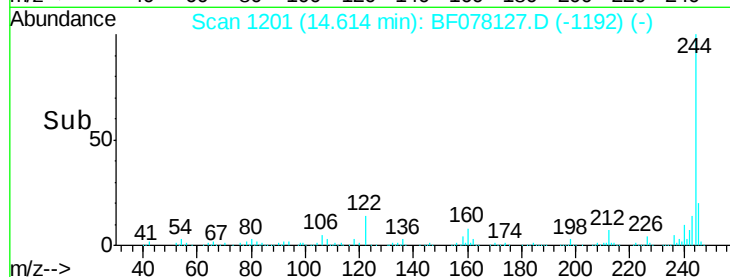
122 14.1 6.2 9.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 17.56 min Scan# 1459

Delta R.T. -0.05 min

Lab File: BF078127.D

Acq: 31 Mar 2015 21:29

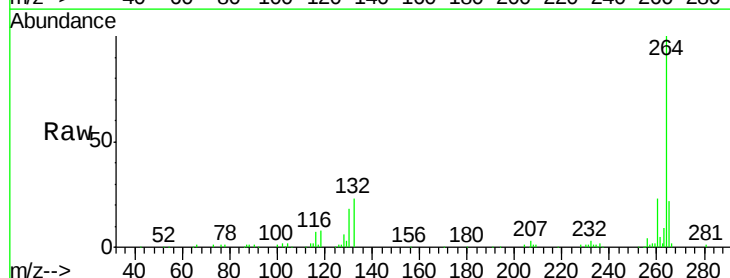
Tgt Ion:264 Resp: 148842

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 21.6 17.3 25.9



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

