

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\  
 Data File : BF083721.D  
 Acq On : 12 Dec 2015 3:29  
 Operator : UM/IZ  
 Sample : G4648-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01(21-24.75)

Quant Time: Dec 12 04:28:17 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 11 19:24:37 2015  
 Response via : Initial Calibration

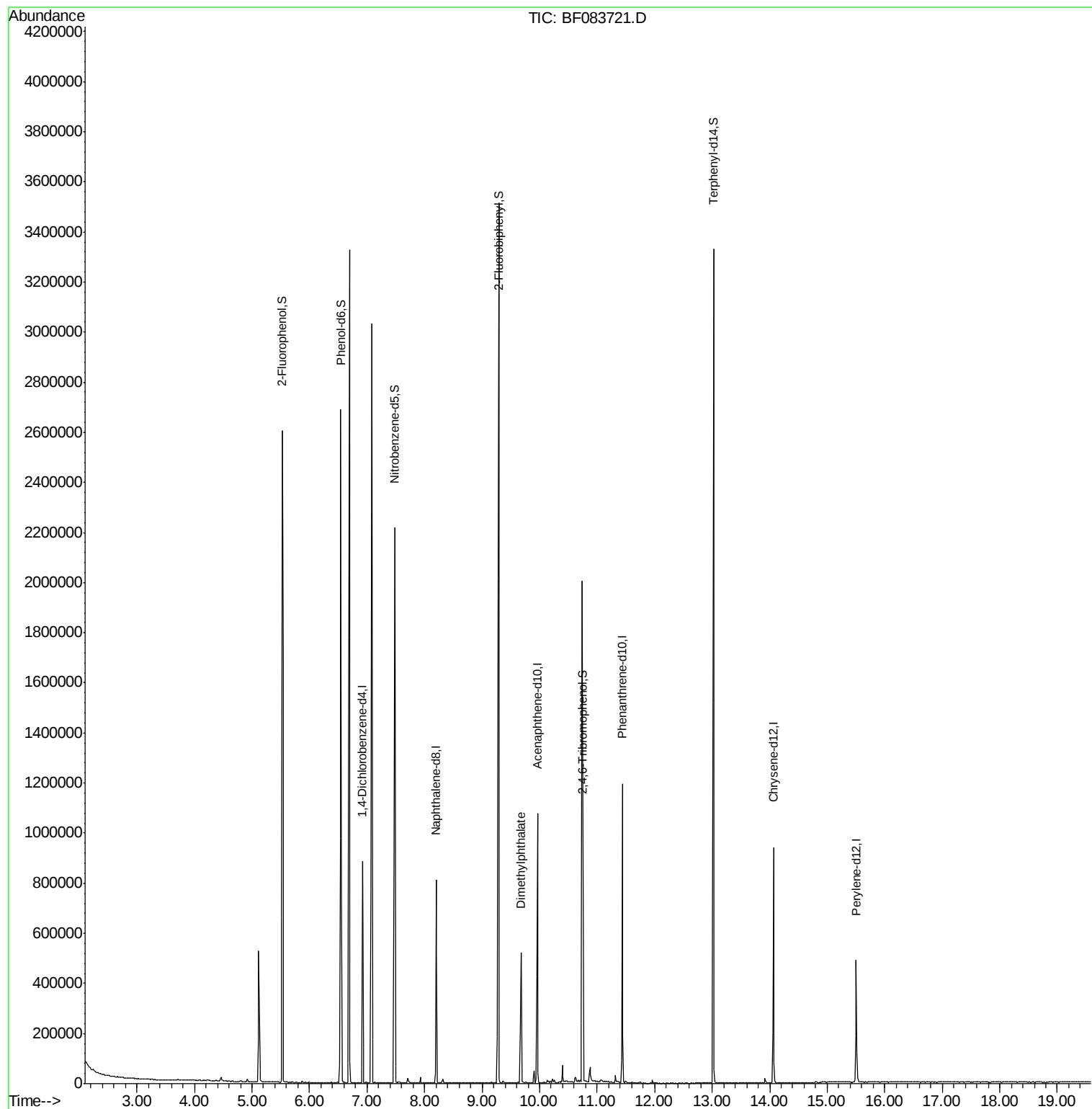
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 125995   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 476429   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 229243   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.44 | 188  | 400258   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.07 | 240  | 313433   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.51 | 264  | 211604   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1040119  | 127.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1154433  | 114.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 746234   | 106.22 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 303388   | 136.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1343413  | 86.32  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 1137199  | 81.48  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.68  | 163  | 241218   | 13.68  | ng    | 98       |

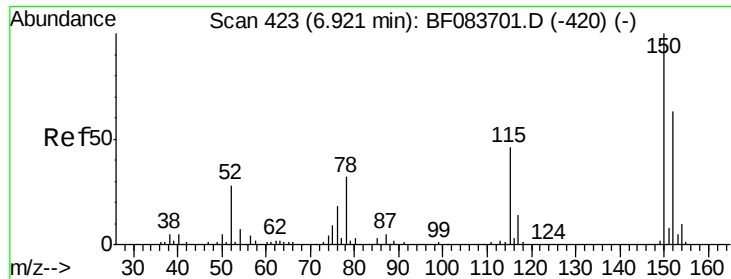
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-01(21-24.75)

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QLast Update : Fri Dec 11 19:24:37 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

Instrument :

BNA\_F

ClientSampleId :

SB-01(21-24.75)

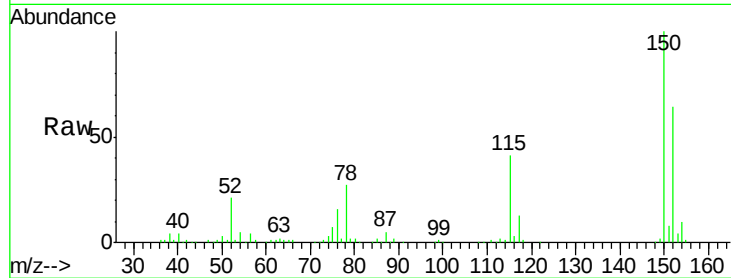
Tot Ion:152 Resp: 125995

Ion Ratio Lower Upper

152 100

150 156.5 126.5 189.7

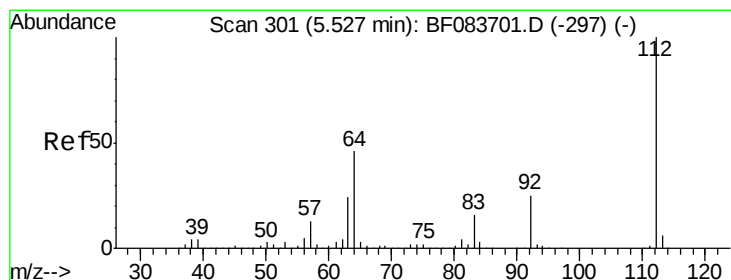
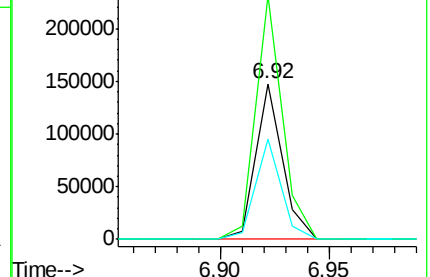
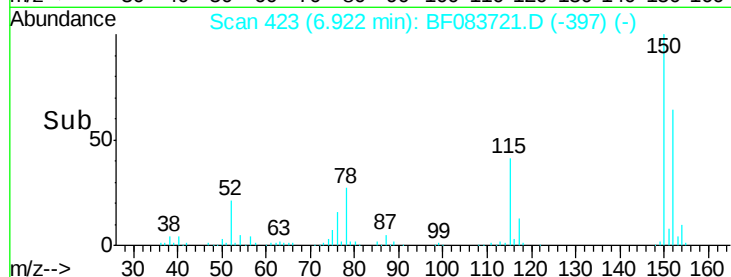
115 64.9 52.3 78.5



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: 127.14 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

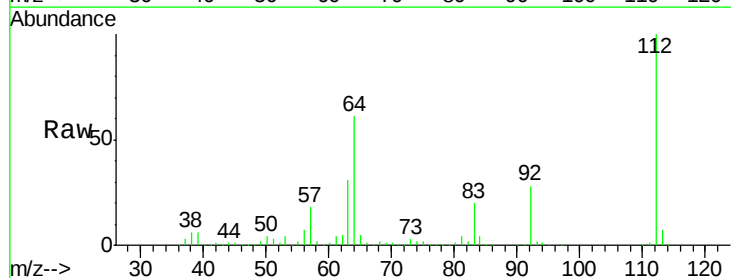
Tgt Ion:112 Resp: 1040119

Ion Ratio Lower Upper

112 100

64 60.7 50.5 75.7

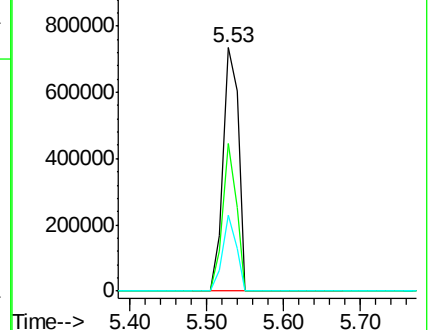
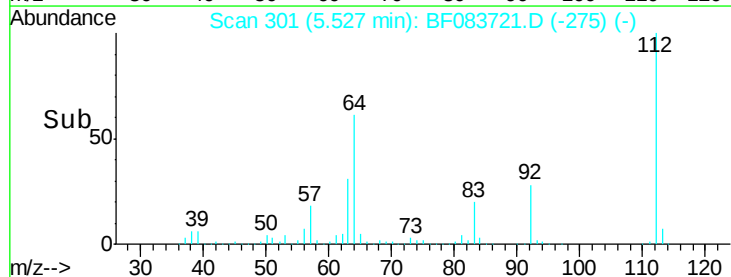
63 31.4 25.8 38.6

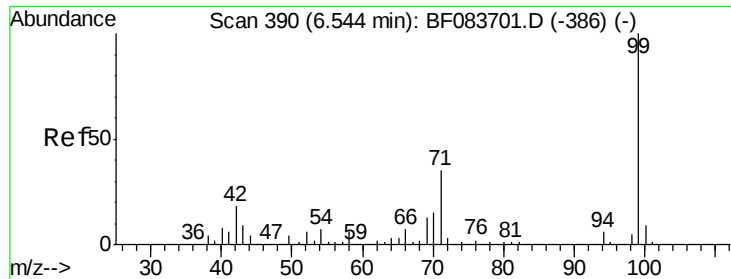


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.26 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

Instrument :

BNA\_F

ClientSampleId :

SB-01(21-24.75)

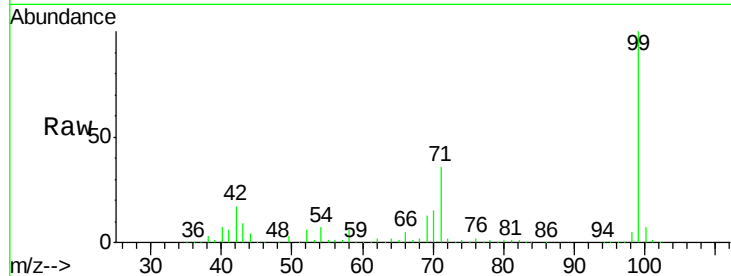
Tot Ion: 99 Resp: 1154433

Ion Ratio Lower Upper

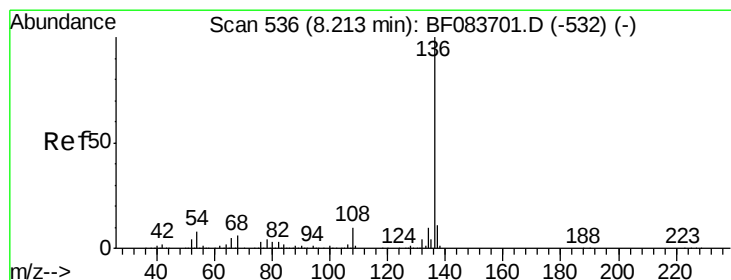
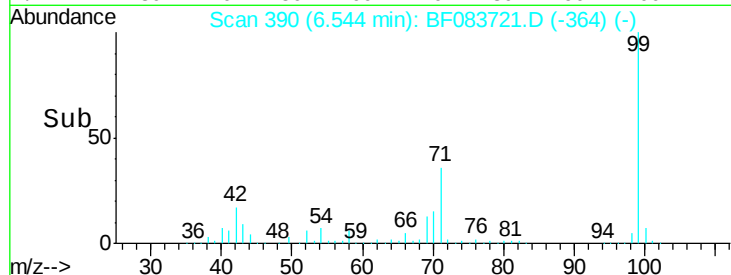
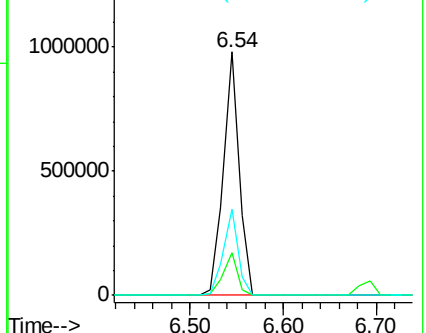
99 100

42 17.4 17.3 25.9

71 35.6 26.6 40.0



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: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

Tgt Ion: 136 Resp: 476429

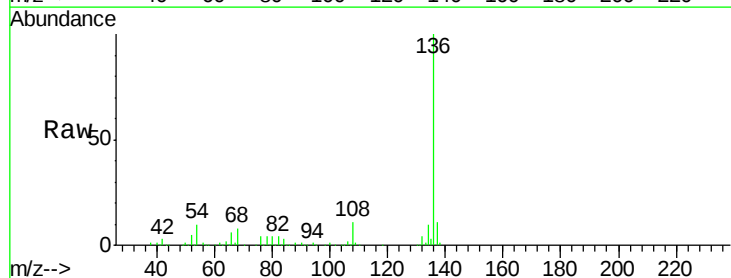
Ion Ratio Lower Upper

136 100

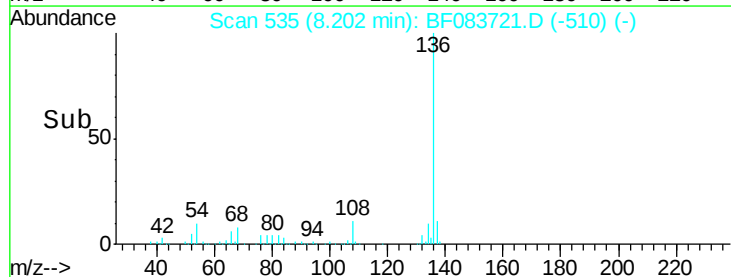
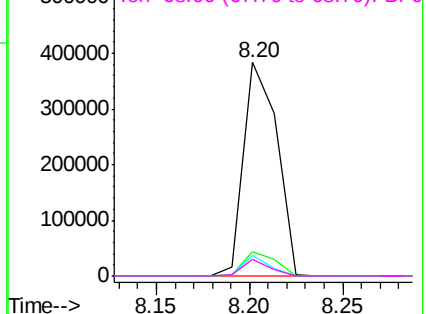
137 11.3 8.7 13.1

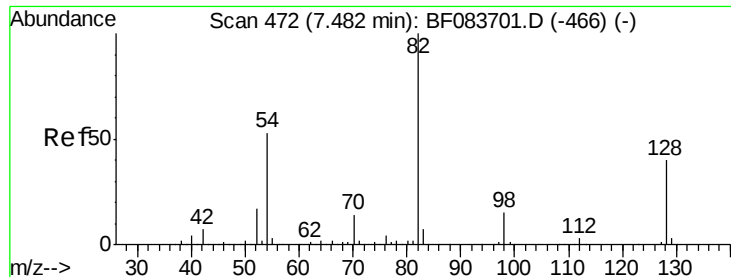
54 9.6 7.8 11.6

68 7.5 5.7 8.5



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

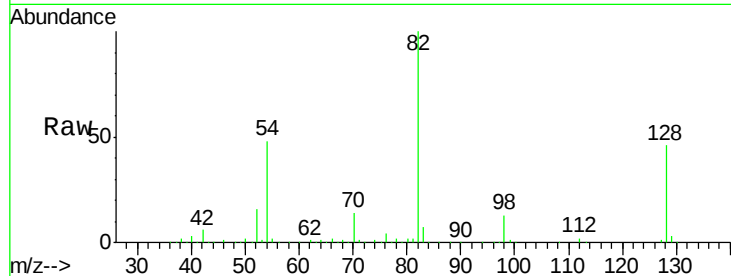




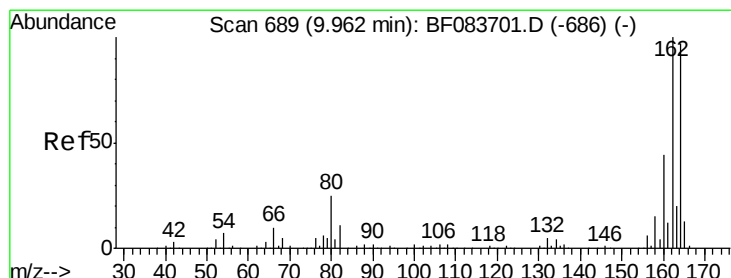
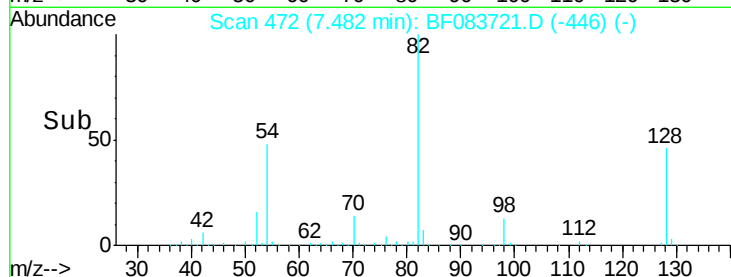
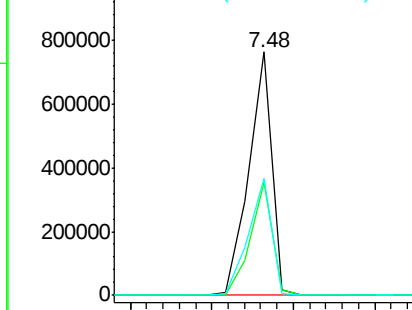
#23  
 Nitrobenzene-d5  
 Concen: 106.22 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. 0.00 min  
 Lab File: BF083721.D  
 Acq: 12 Dec 2015 3:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01(21-24.75)

| Tot Ion   | 82   | Resp  | 746234 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.2 | 30.7  | 46.1#  |
| 54        | 48.1 | 42.5  | 63.7   |

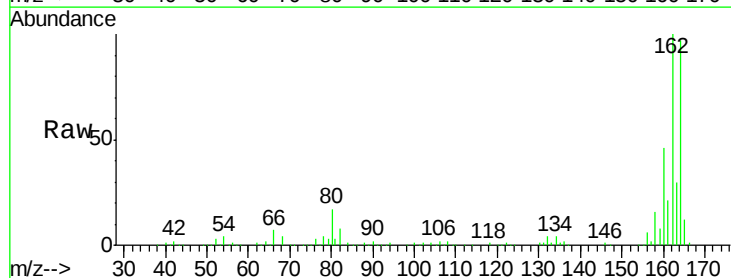


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

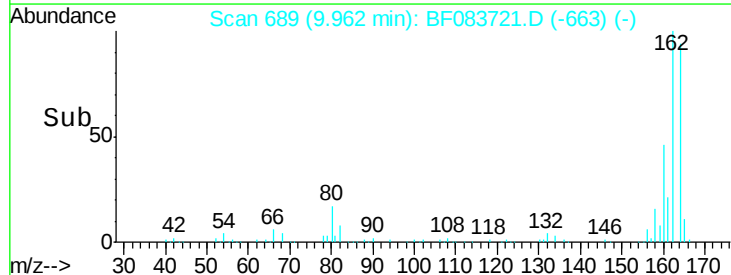
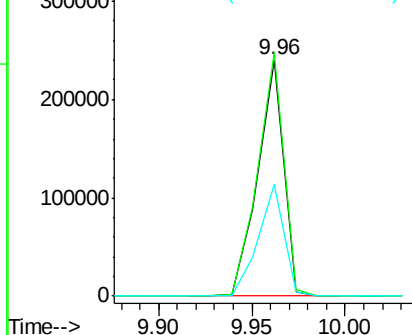


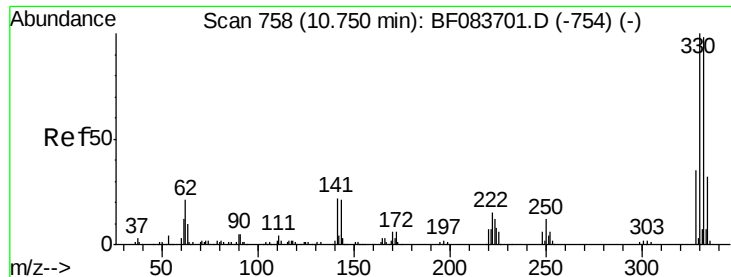
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: BF083721.D  
 Acq: 12 Dec 2015 3:29

| Tgt Ion   | 164   | Resp  | 229243 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.1 | 78.8  | 118.2  |
| 160       | 47.1  | 33.4  | 50.2   |



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

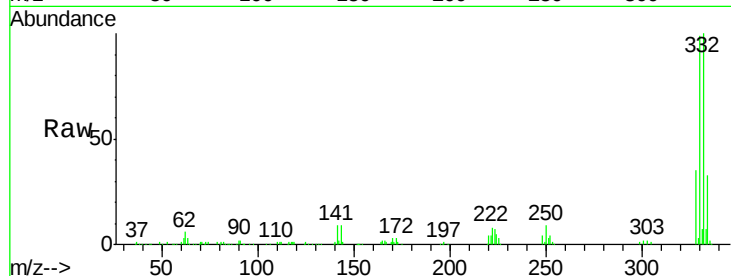




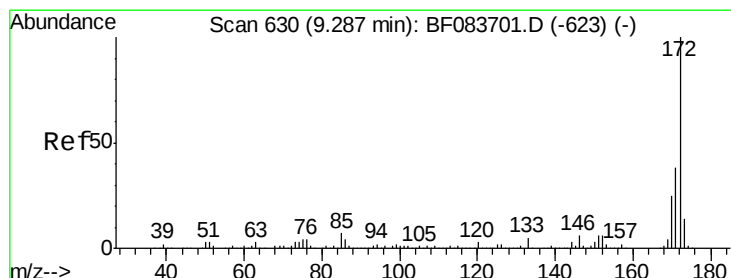
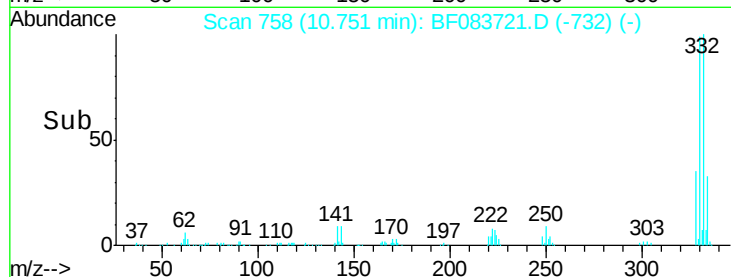
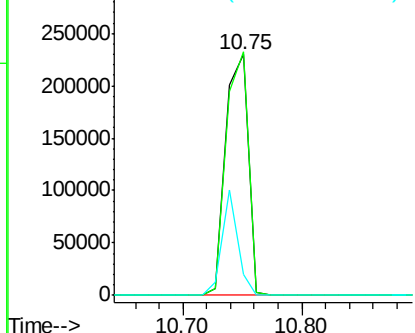
#41  
 2,4,6-Tribromophenol  
 Concen: 136.72 ng  
 RT: 10.75 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BF083721.D  
 Acq: 12 Dec 2015 3:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01(21-24.75)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.2  | 0.0   | 0.0#  |
| 141     | 30.5  | 0.0   | 0.0#  |

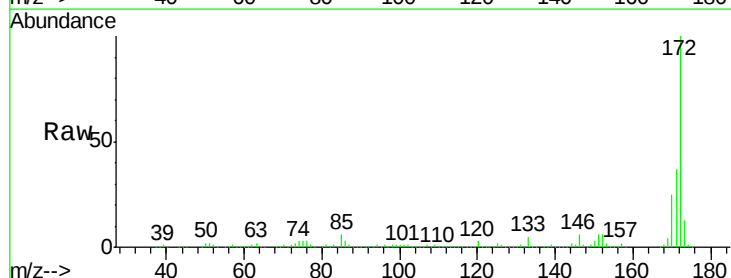


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

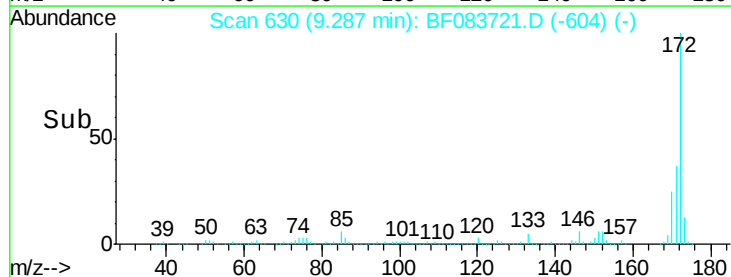
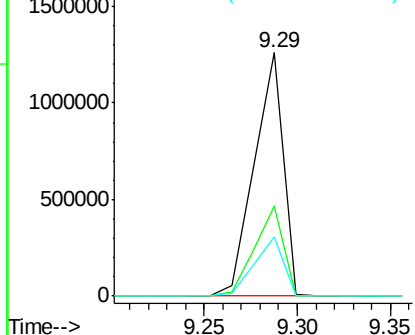


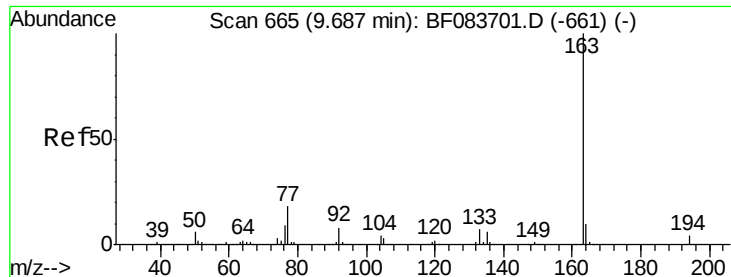
#44  
 2-Fluorobiphenyl  
 Concen: 86.32 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF083721.D  
 Acq: 12 Dec 2015 3:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 28.6  | 42.8  |
| 170     | 24.6  | 19.4  | 29.0  |



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

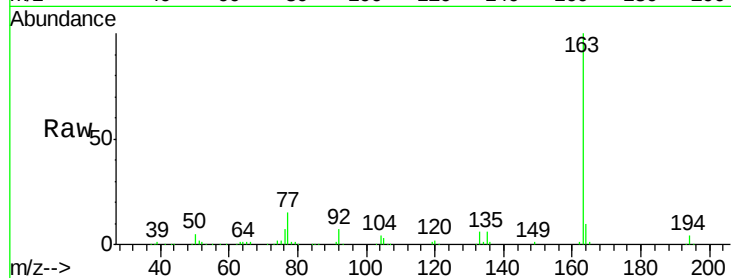




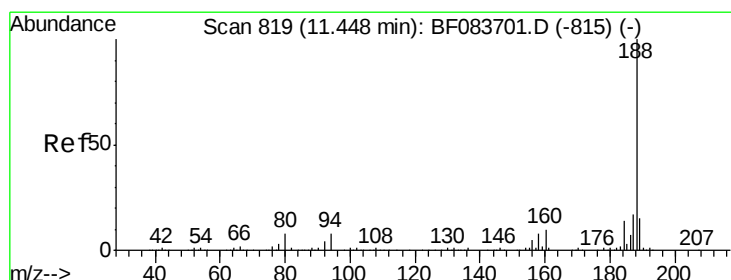
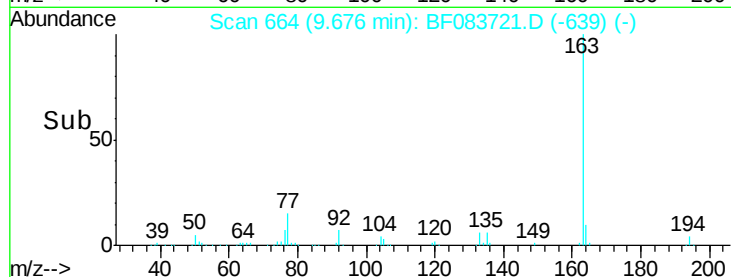
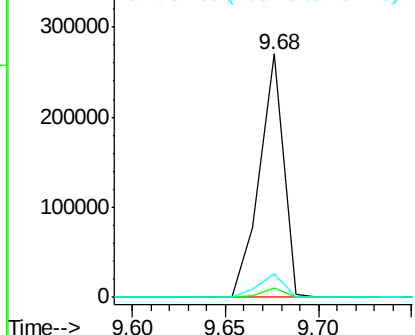
#49  
Dimethylphthalate  
Concen: 13.68 ng  
RT: 9.68 min Scan# 664  
Delta R.T. -0.01 min  
Lab File: BF083721.D  
Acq: 12 Dec 2015 3:29

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01(21-24.75)

Tot Ion:163 Resp: 241218  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 9.9 8.6 13.0

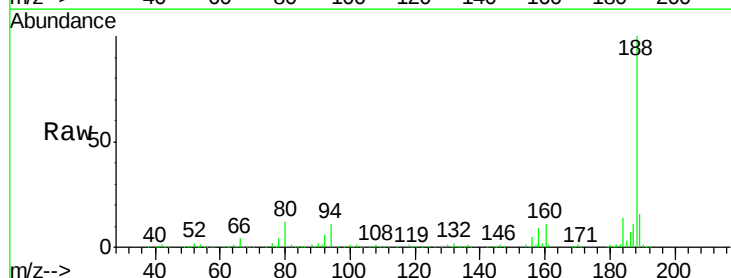


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

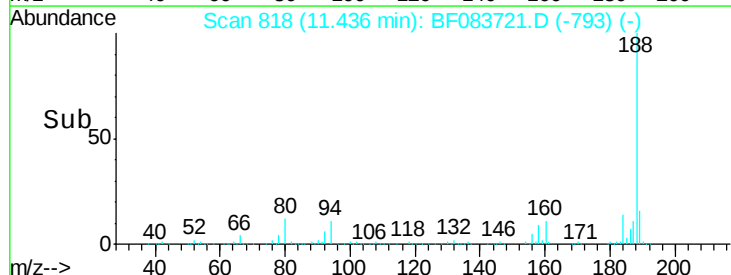
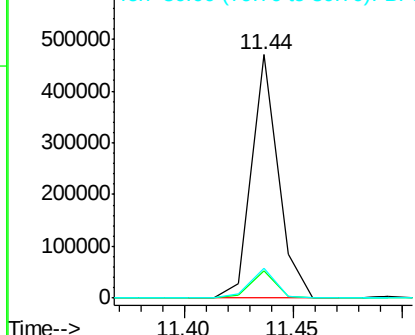


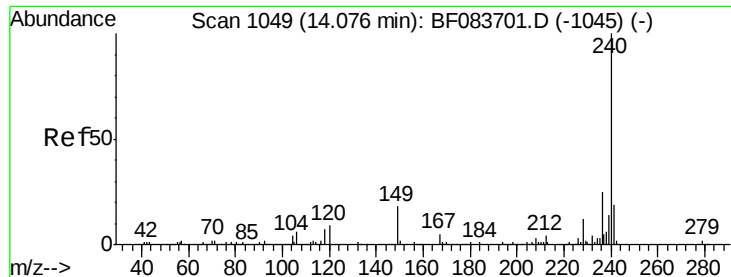
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.44 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF083721.D  
Acq: 12 Dec 2015 3:29

Tgt Ion:188 Resp: 400258  
Ion Ratio Lower Upper  
188 100  
94 11.2 9.4 14.2  
80 12.2 10.6 16.0



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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

Instrument :

BNA\_F

ClientSampleId :

SB-01(21-24.75)

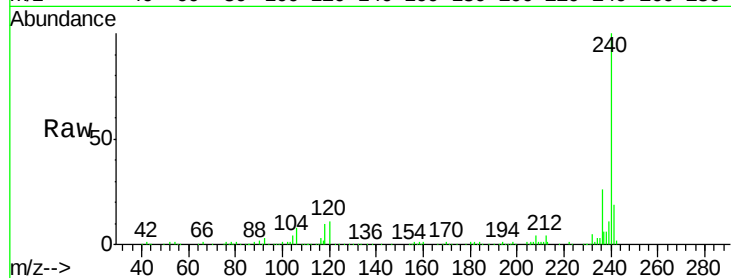
Tot Ion:240 Resp: 313433

Ion Ratio Lower Upper

240 100

120 10.9 8.1 12.1

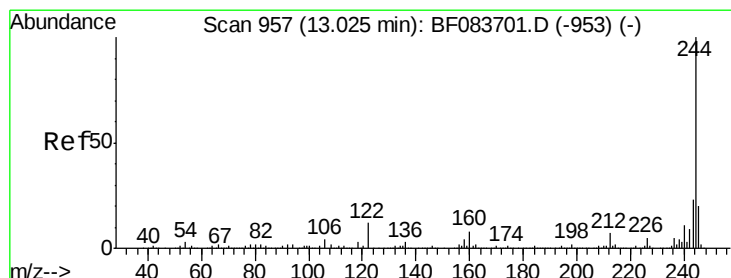
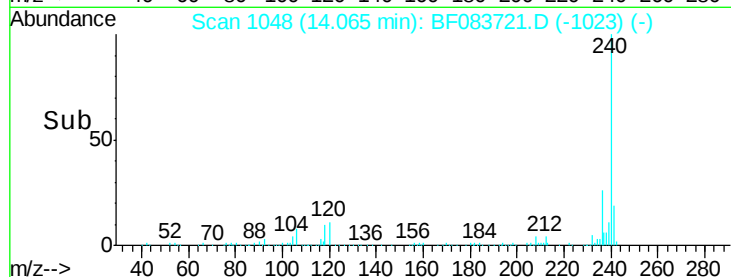
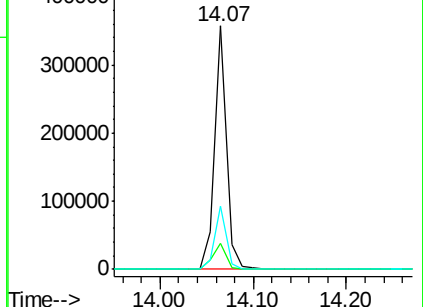
236 26.0 20.8 31.2



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: 81.48 ng

RT: 13.03 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF083721.D

Acq: 12 Dec 2015 3:29

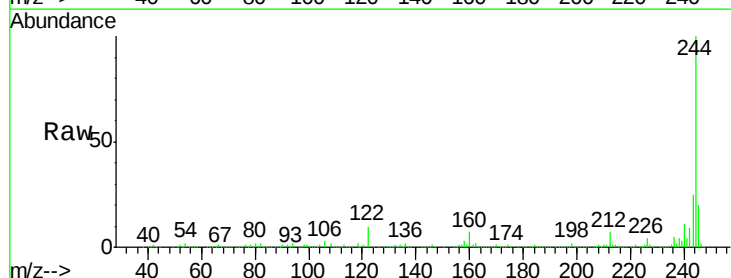
Tgt Ion:244 Resp: 1137199

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

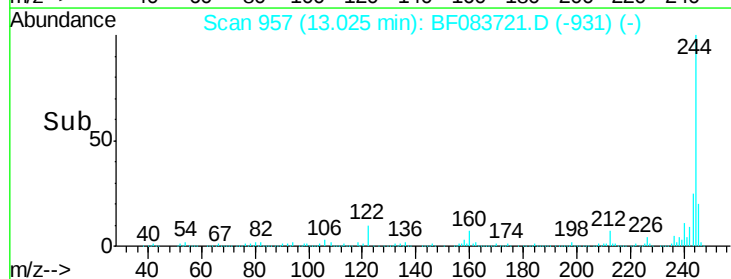
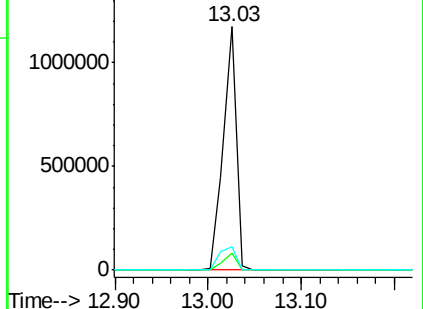
122 9.5 11.0 16.6#

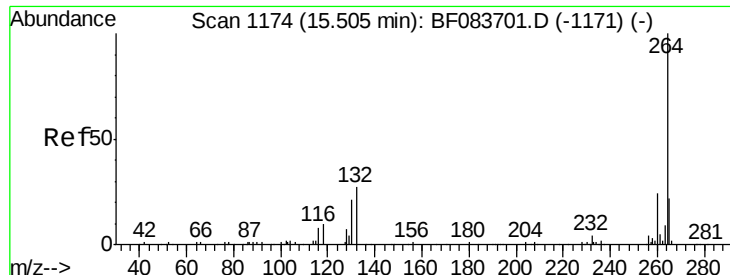


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: BF083721.D  
Acq: 12 Dec 2015 3:29

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01(21-24.75)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.4  | 29.0  |
| 265     | 21.4  | 17.8  | 26.6  |

