

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121615\  
 Data File : BF083849.D  
 Acq On : 16 Dec 2015 15:41  
 Operator : UM/SJ  
 Sample : PB87334BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87334BL

Quant Time: Dec 17 03:54:50 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 14 01:30:12 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 89121    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.17  | 136  | 346329   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.93  | 164  | 178620   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.41 | 188  | 331763   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.04 | 240  | 293167   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.48 | 264  | 198665   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 556858   | 100.80 | ng    | -0.02    |
| 7) Phenol-d6                | 6.52  | 99   | 685845   | 98.04  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 428947   | 69.29  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 219077   | 120.37 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 989421   | 79.60  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.99 | 244  | 906597   | 66.52  | ng    | -0.03    |

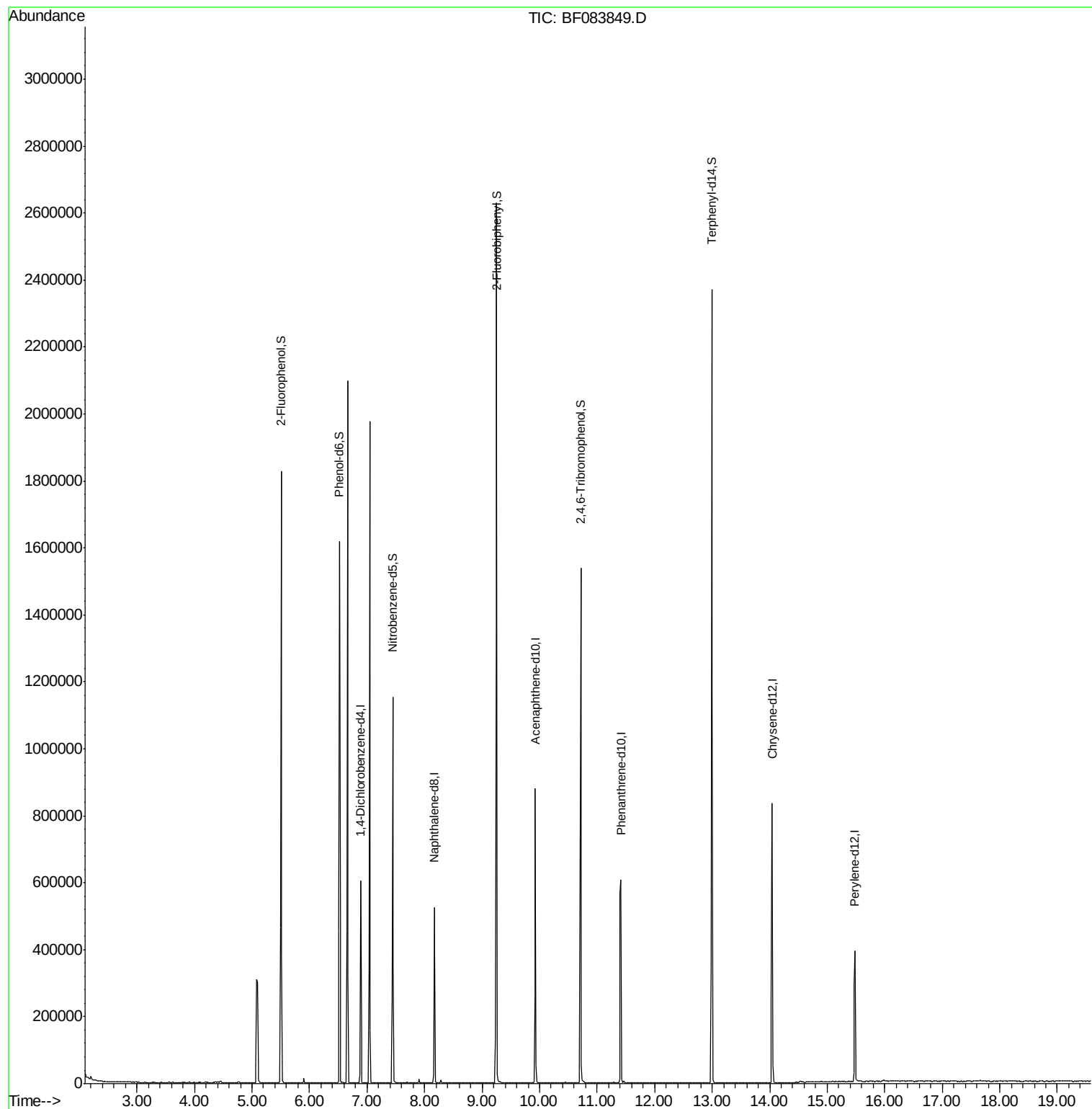
Target Compounds Qvalue

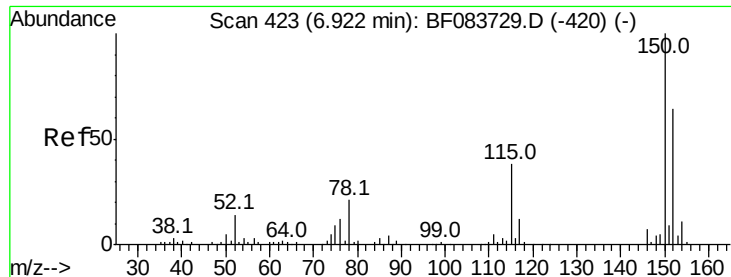
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 14 01:30:12 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF083849.D

Acq: 16 Dec 2015 15:41

Instrument :

BNA\_F

ClientSampleId :

PB87334BL

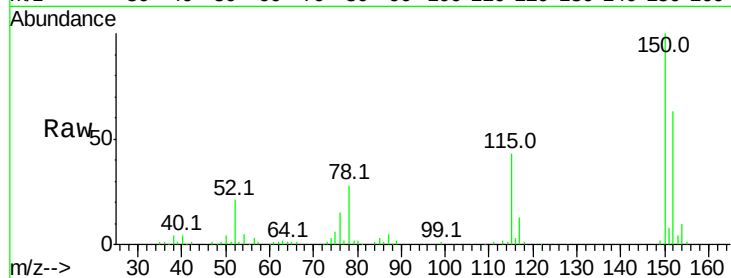
Tot Ion:152 Resp: 89121

Ion Ratio Lower Upper

152 100

150 157.8 126.5 189.7

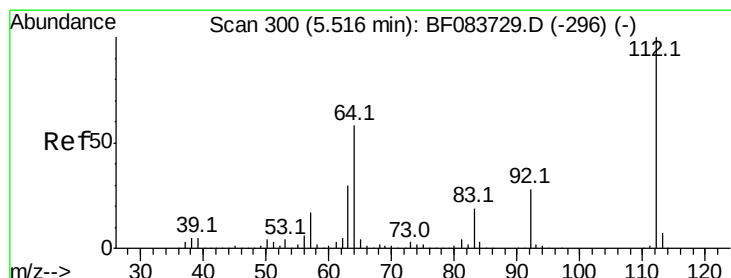
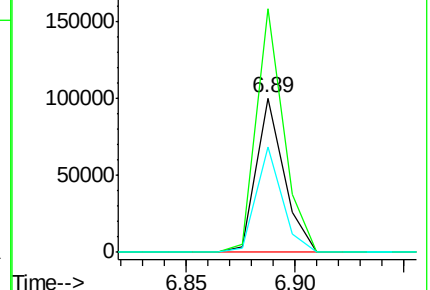
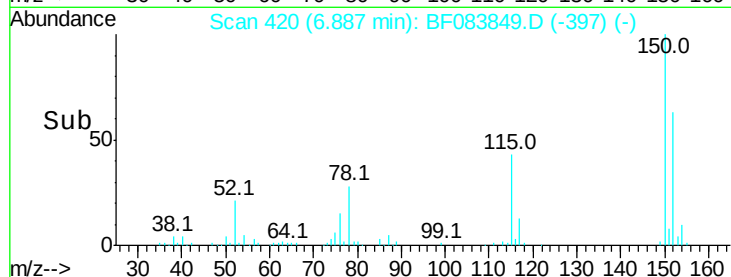
115 68.0 52.3 78.5



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: 100.80 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083849.D

Acq: 16 Dec 2015 15:41

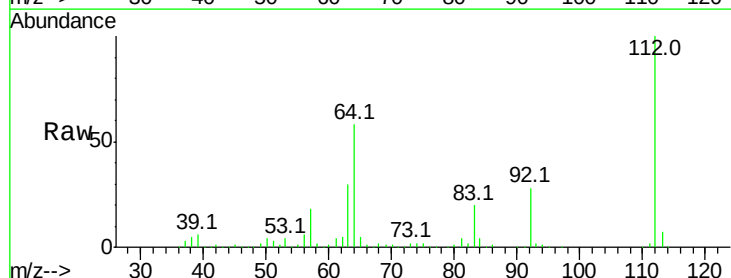
Tgt Ion:112 Resp: 556858

Ion Ratio Lower Upper

112 100

64 57.9 50.5 75.7

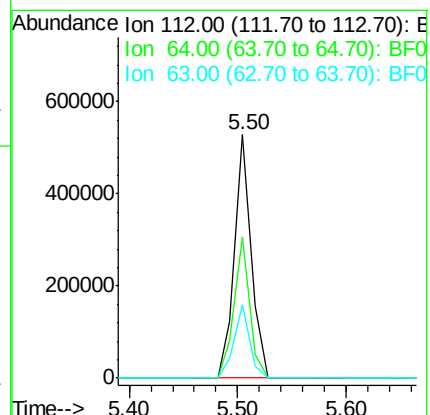
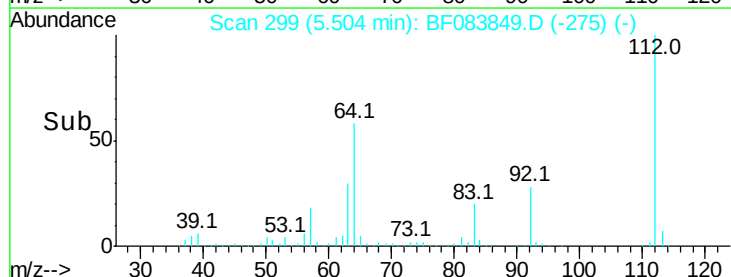
63 30.0 25.8 38.6

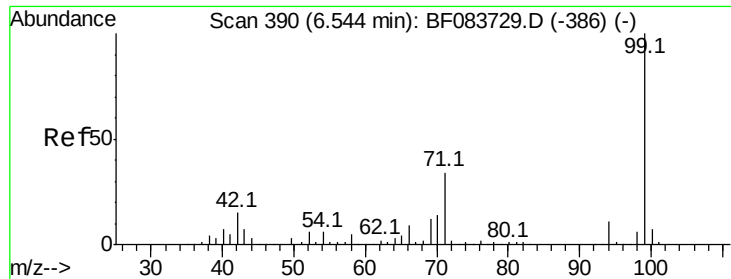


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.04 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083849.D

Acq: 16 Dec 2015 15:41

Instrument :

BNA\_F

ClientSampleId :

PB87334BL

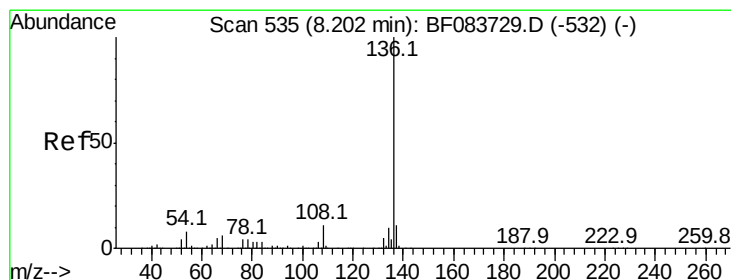
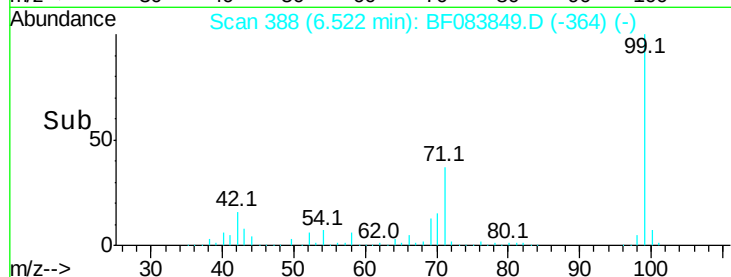
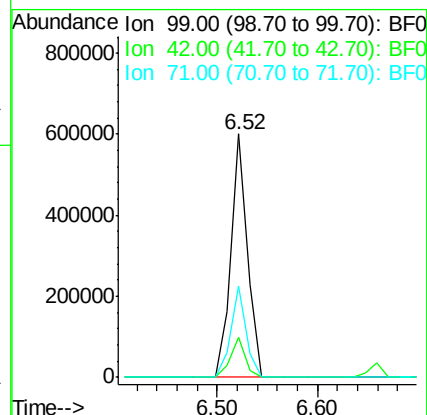
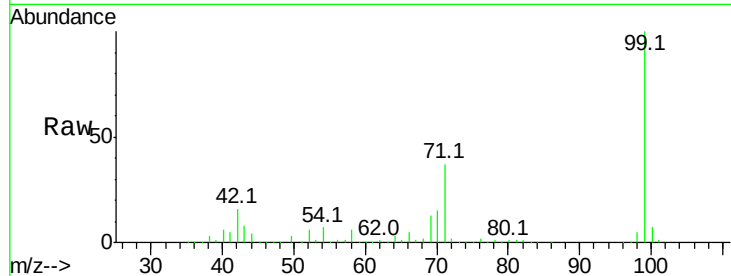
Tot Ion: 99 Resp: 685845

Ion Ratio Lower Upper

99 100

42 16.3 17.3 25.9#

71 37.3 26.6 40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF083849.D

Acq: 16 Dec 2015 15:41

Tgt Ion: 136 Resp: 346329

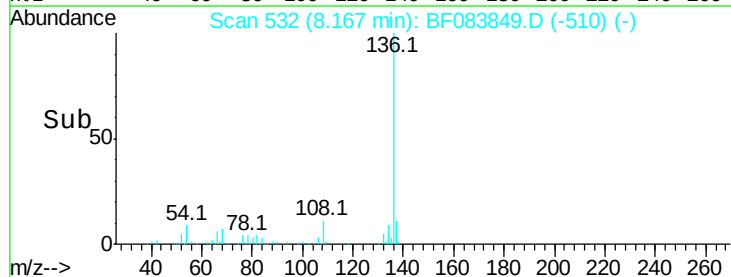
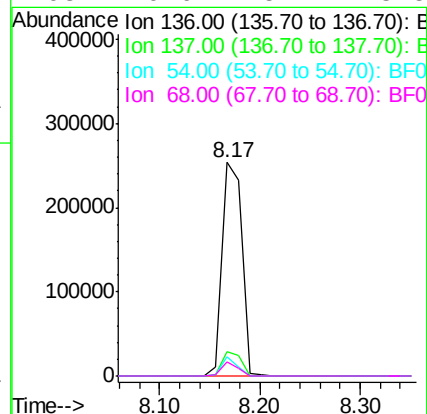
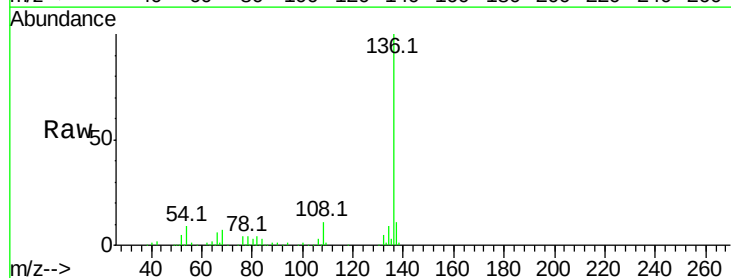
Ion Ratio Lower Upper

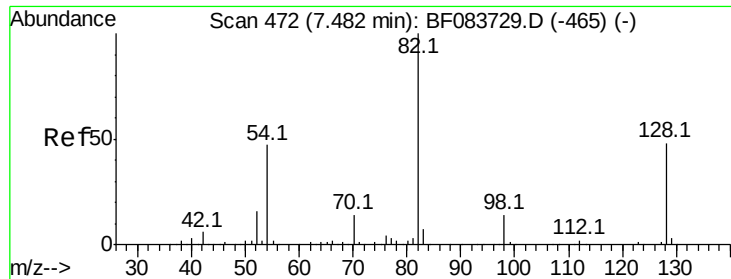
136 100

137 11.3 8.7 13.1

54 8.8 7.8 11.6

68 6.6 5.7 8.5

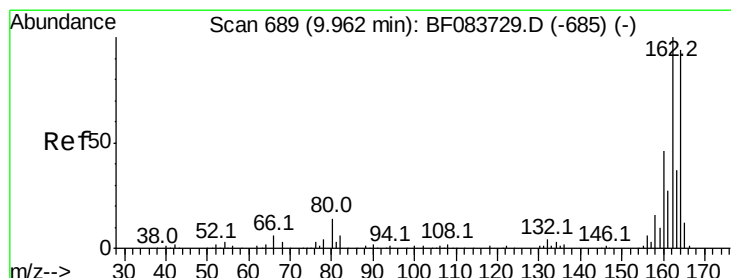
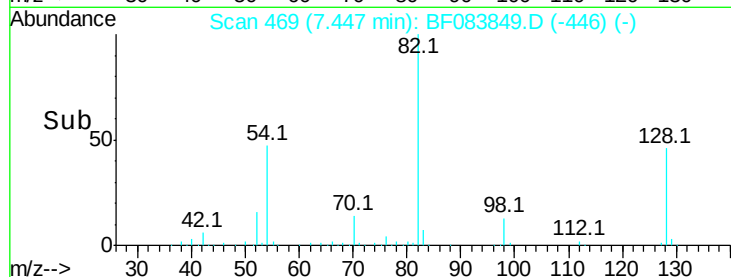
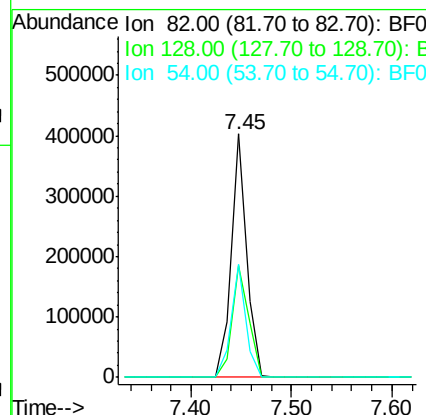
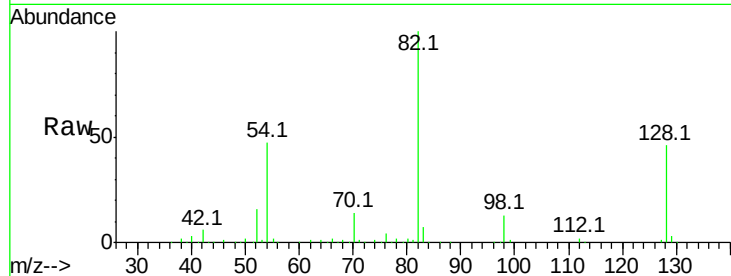




#23  
 Nitrobenzene-d5  
 Concen: 69.29 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.03 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

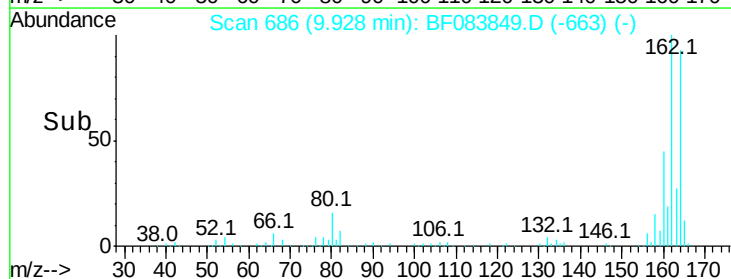
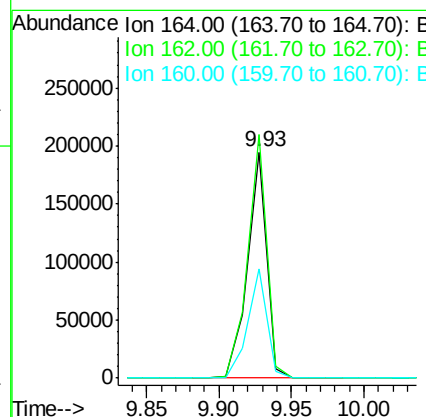
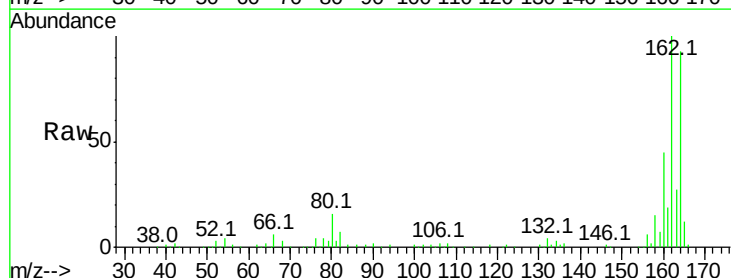
Instrument :  
 BNA\_F  
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 PB87334BL

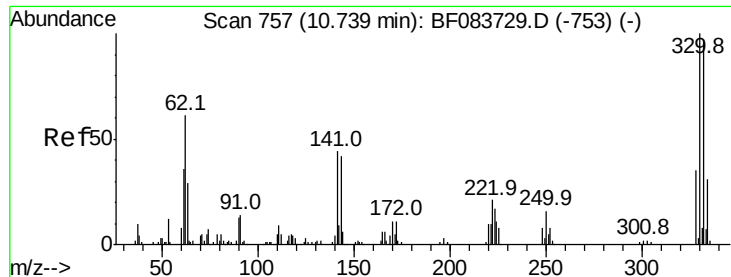
| Tot Ion   | 82    | Resp  | 428947 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.9  | 30.7  | 46.1   |
| 54        | 46.6  | 42.5  | 63.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.03 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

| Tgt Ion   | 164   | Resp  | 178620 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 107.8 | 78.8  | 118.2  |
| 160       | 48.4  | 33.4  | 50.2   |

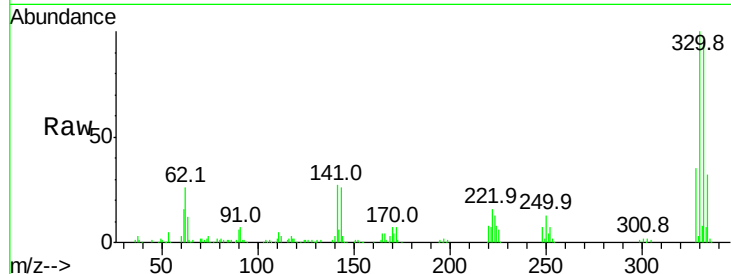




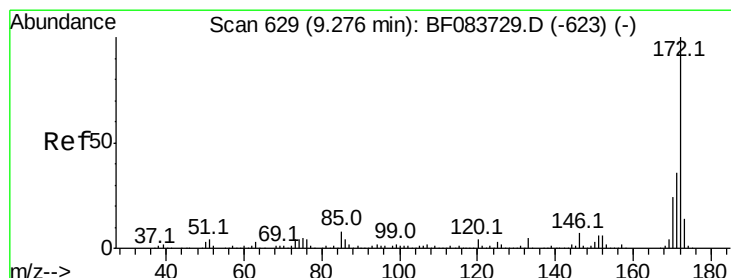
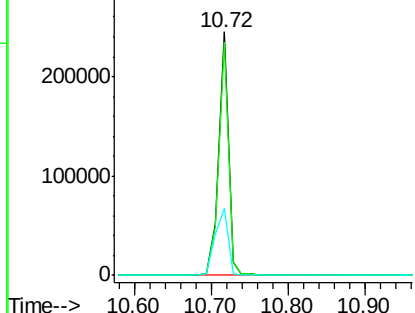
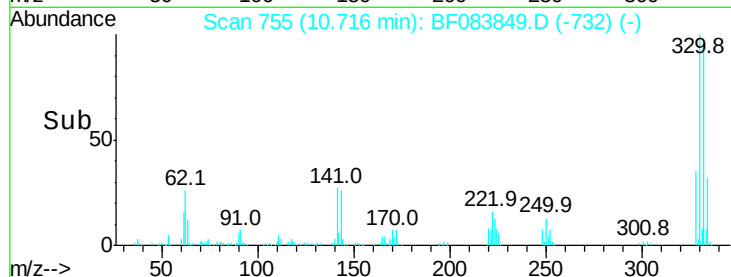
#41  
 2,4,6-Tribromophenol  
 Concen: 120.37 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.03 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87334BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 35.5  | 0.0   | 0.0#  |

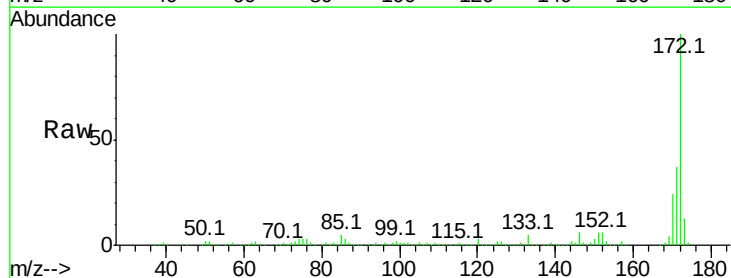


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

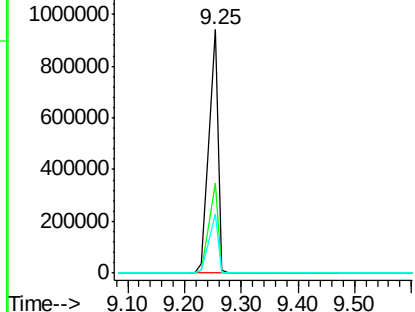
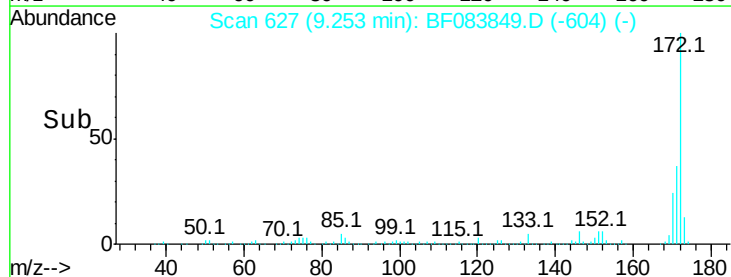


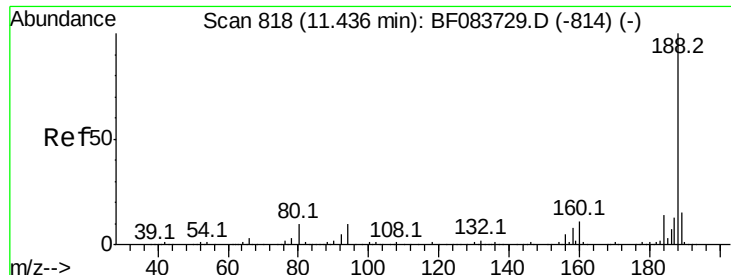
#44  
 2-Fluorobiphenyl  
 Concen: 79.60 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.03 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.6  | 42.8  |
| 170     | 24.3  | 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

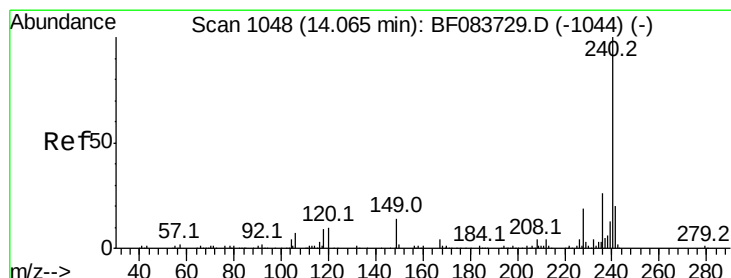
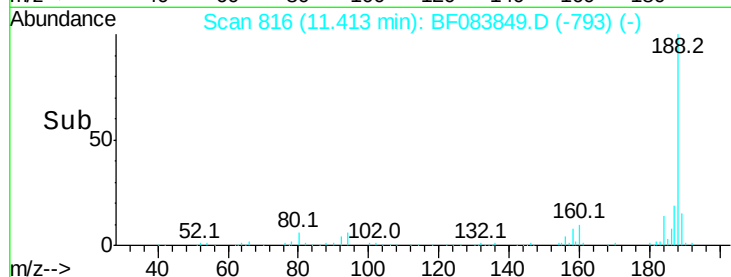
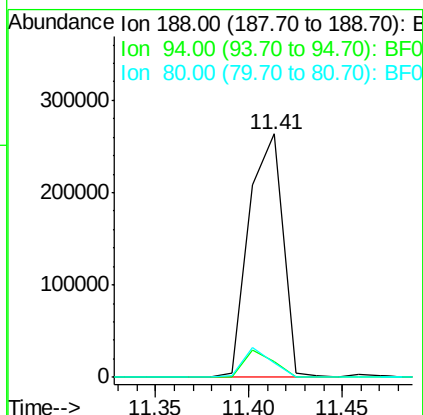
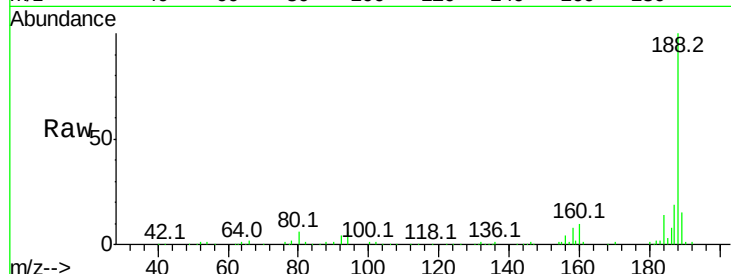




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.03 min  
Lab File: BF083849.D  
Acq: 16 Dec 2015 15:41

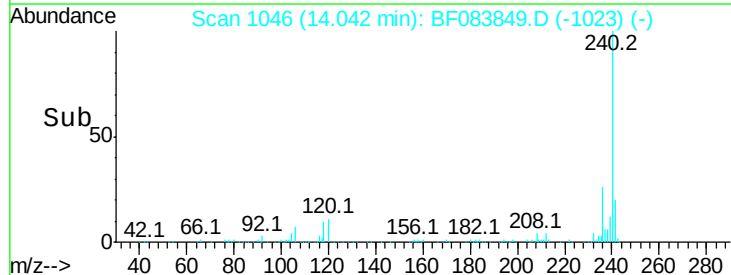
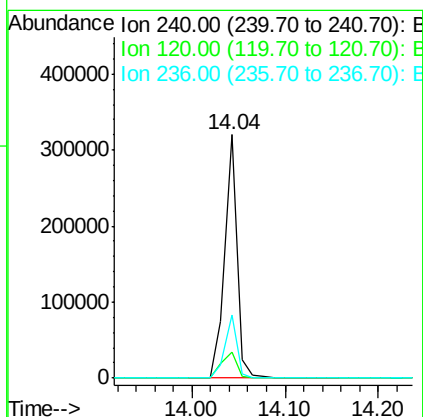
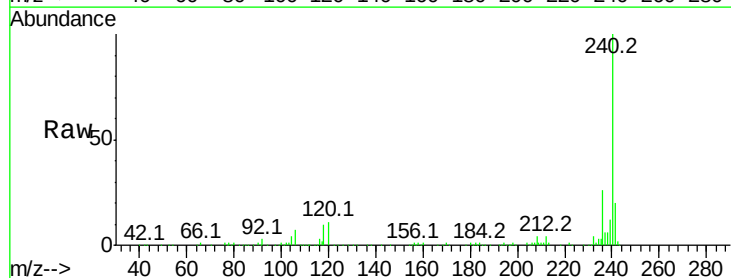
Instrument :  
BNA\_F  
ClientSampleId :  
PB87334BL

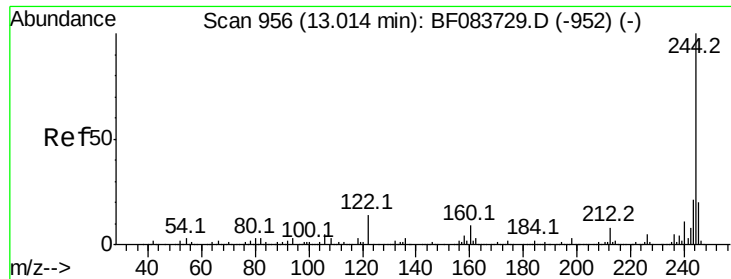
Tot Ion:188 Resp: 331763  
Ion Ratio Lower Upper  
188 100  
94 6.4 9.4 14.2#  
80 6.1 10.6 16.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1046  
Delta R.T. -0.03 min  
Lab File: BF083849.D  
Acq: 16 Dec 2015 15:41

Tgt Ion:240 Resp: 293167  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.1 12.1  
236 26.0 20.8 31.2

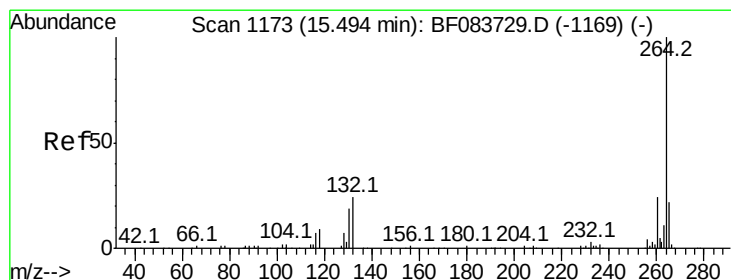
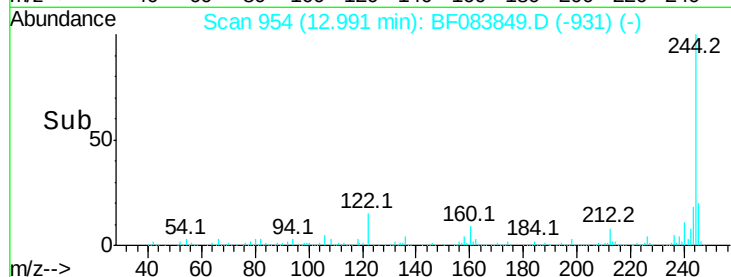
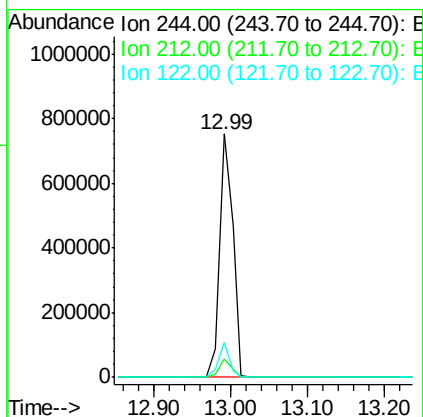
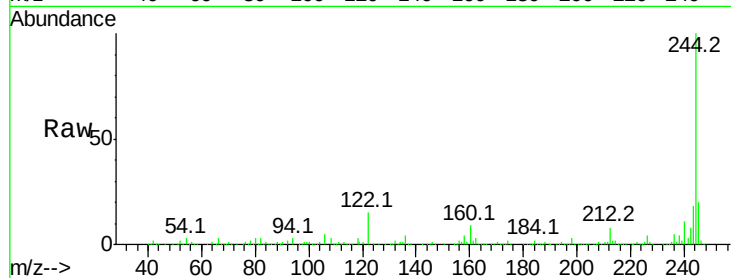




#78  
 Terphenyl-d14  
 Concen: 66.52 ng  
 RT: 12.99 min Scan# 954  
 Delta R.T. -0.03 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87334BL

Tot Ion:244 Resp: 906597  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 14.5 11.0 16.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.48 min Scan# 1172  
 Delta R.T. -0.02 min  
 Lab File: BF083849.D  
 Acq: 16 Dec 2015 15:41

Tgt Ion:264 Resp: 198665  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.4 29.0  
 265 22.0 17.8 26.6

