

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\  
 Data File : BF088699.D  
 Acq On : 5 Jul 2016 13:19  
 Operator : UM/SJ  
 Sample : H3824-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-56-062716

Quant Time: Jul 05 17:33:52 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 05 17:15:08 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 101383   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 400900   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 199966   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.29 | 188  | 414225   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.91 | 240  | 333688   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.30 | 264  | 310224   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 736390   | 108.86 | ng    | 0.01     |
| 7) Phenol-d6                | 6.42  | 99   | 1078651  | 123.40 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 740148   | 96.75  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 319696   | 172.17 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1259355  | 99.48  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.88 | 244  | 1326835  | 88.56  | ng    | 0.01     |

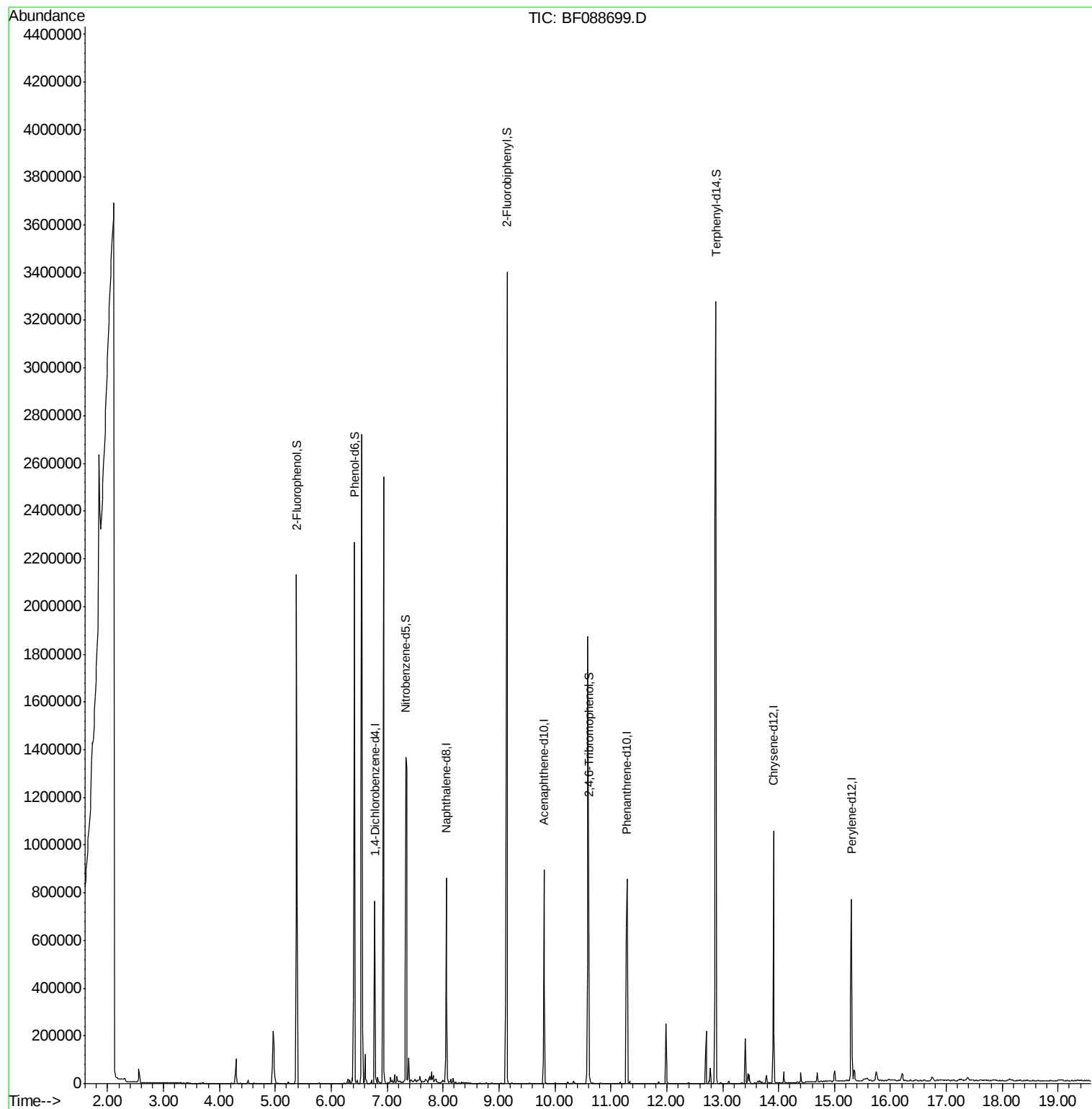
Target Compounds Qvalue

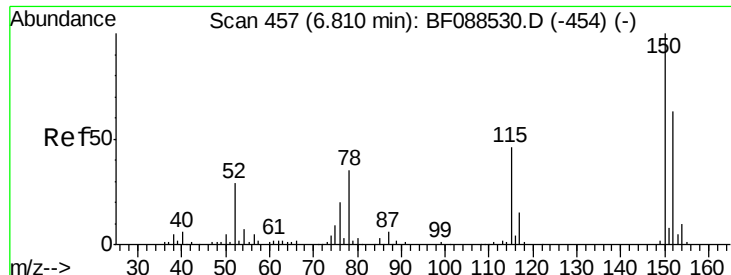
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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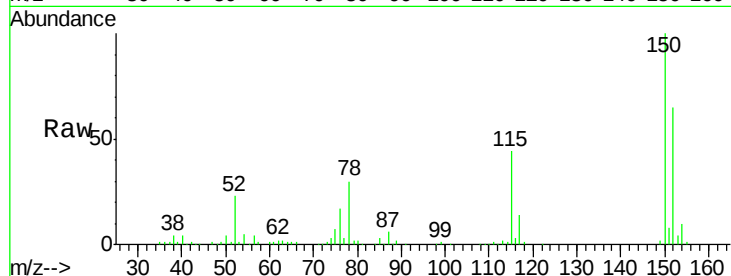


#1

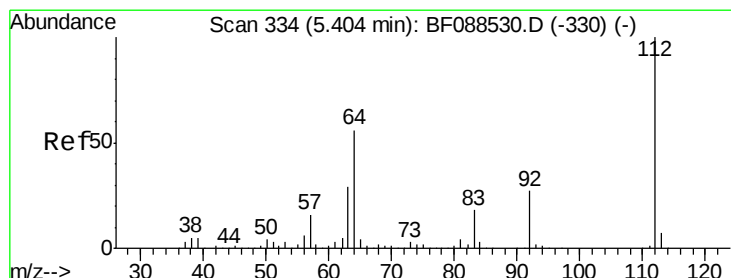
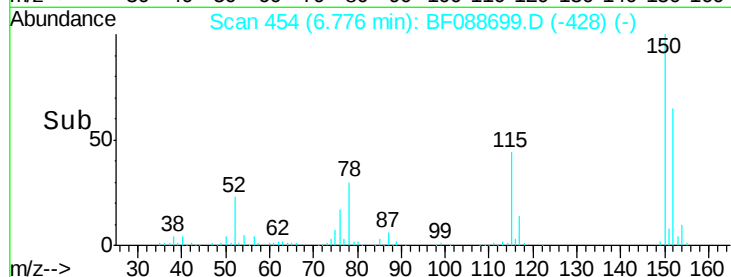
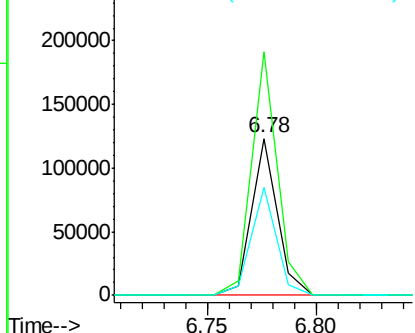
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.78 min Scan# 454  
Delta R.T. 0.00 min  
Lab File: BF088699.D  
Acq: 5 Jul 2016 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-56-062716

Tot Ion:152 Resp: 101383  
Ion Ratio Lower Upper  
152 100  
150 154.9 123.8 185.6  
115 68.6 39.6 59.4#



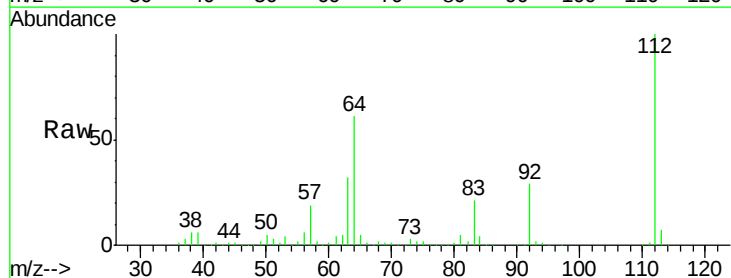
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



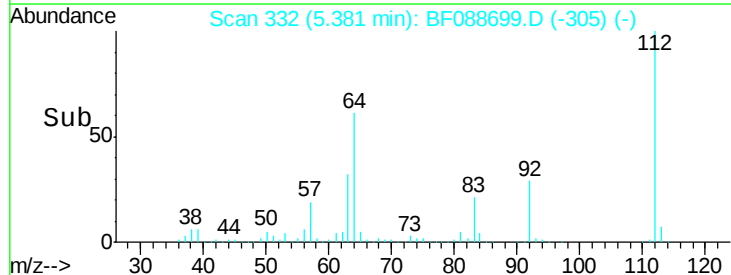
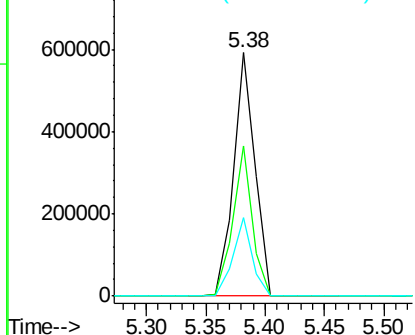
#5

2-Fluorophenol  
Concen: 108.86 ng  
RT: 5.38 min Scan# 332  
Delta R.T. 0.01 min  
Lab File: BF088699.D  
Acq: 5 Jul 2016 13:19

Tgt Ion:112 Resp: 736390  
Ion Ratio Lower Upper  
112 100  
64 61.4 42.2 63.2  
63 32.4 21.8 32.8



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: 123.40 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.01 min

Lab File: BF088699.D

Acq: 5 Jul 2016 13:19

Instrument :

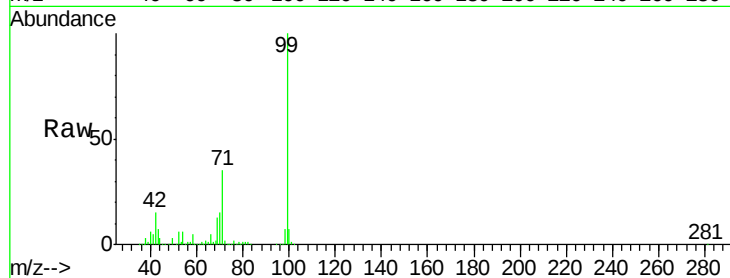
BNA\_F

ClientSampleId :

HSR-WC-56-062716

Tot Ion: 99 Resp: 1078651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.0  | 12.2  | 18.2  |
| 71  | 34.7  | 23.4  | 35.0  |

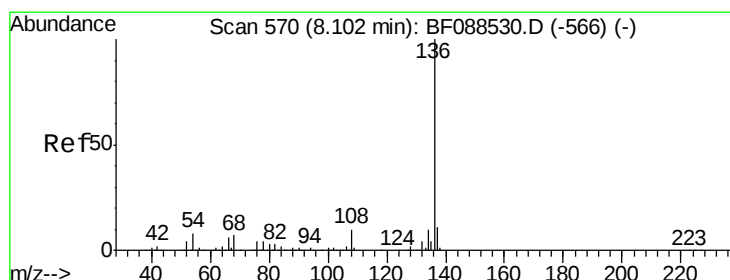
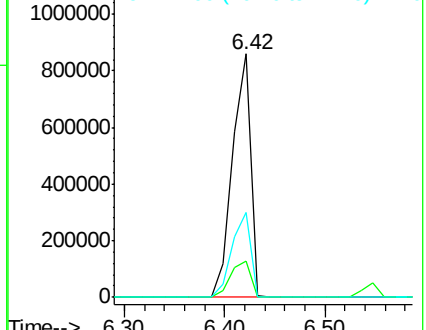
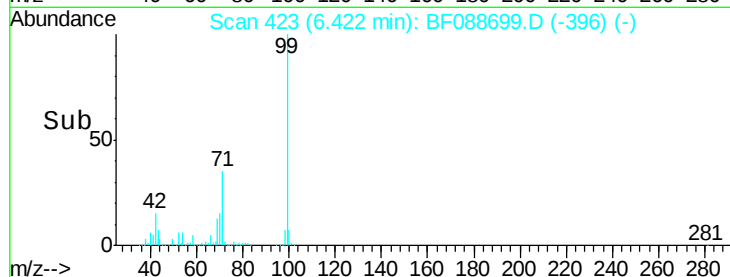


Abundance

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: 8.06 min Scan# 566

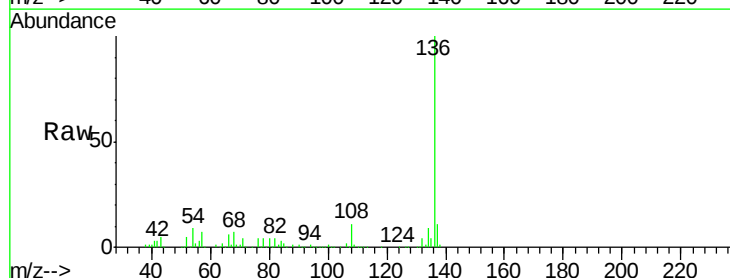
Delta R.T. -0.01 min

Lab File: BF088699.D

Acq: 5 Jul 2016 13:19

Tgt Ion: 136 Resp: 400900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.1   | 13.7  |
| 54  | 9.3   | 6.6   | 10.0  |
| 68  | 7.5   | 5.1   | 7.7   |



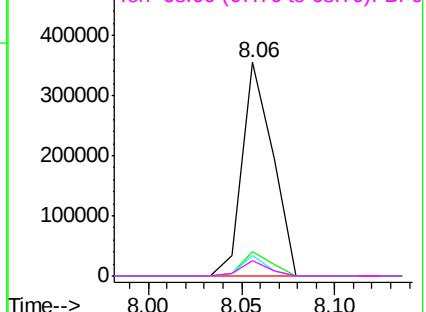
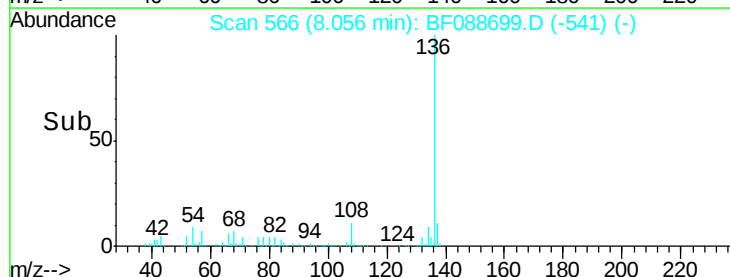
Abundance

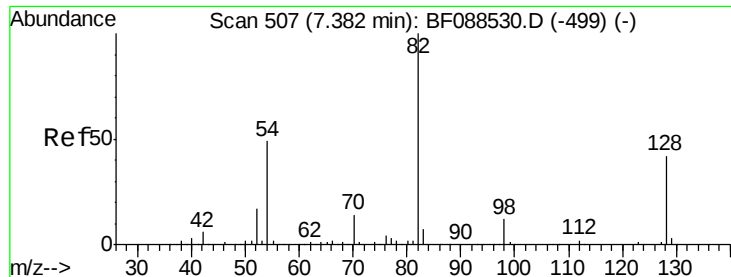
Ion 136.00 (135.70 to 136.70): E

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

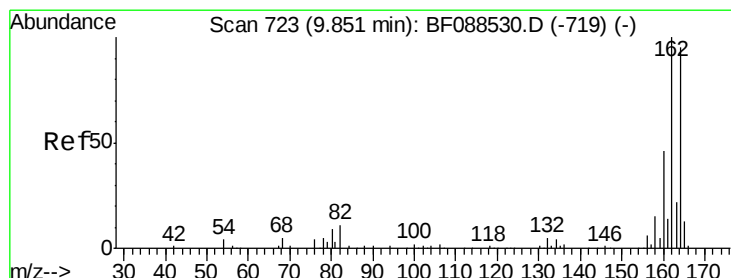
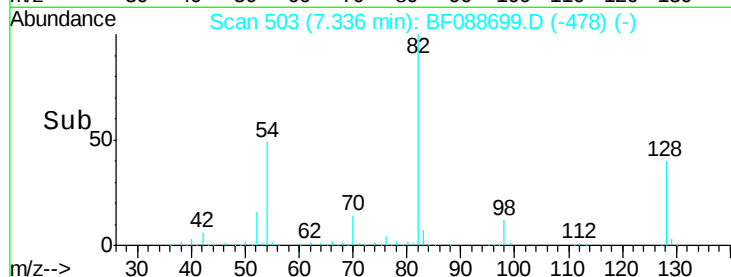
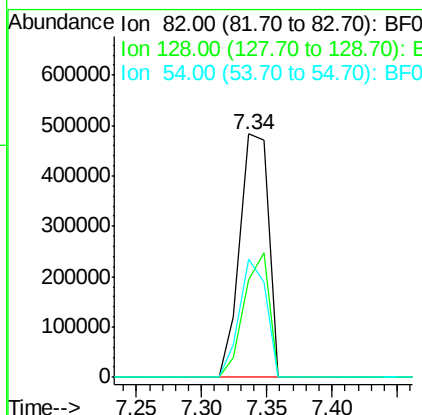
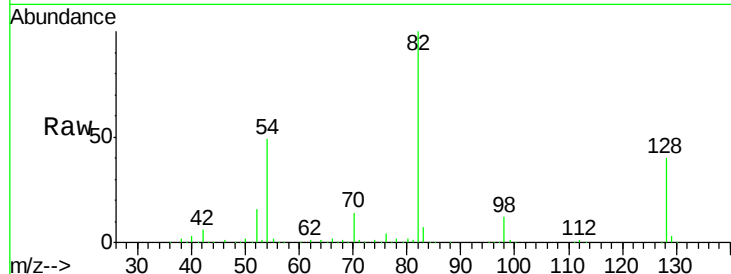




#23  
 Nitrobenzene-d5  
 Concen: 96.75 ng  
 RT: 7.34 min Scan# 503  
 Delta R.T. -0.01 min  
 Lab File: BF088699.D  
 Acq: 5 Jul 2016 13:19

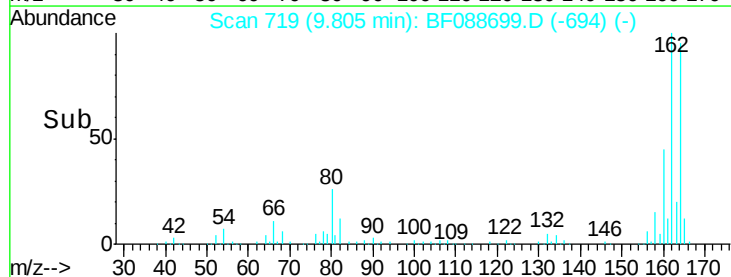
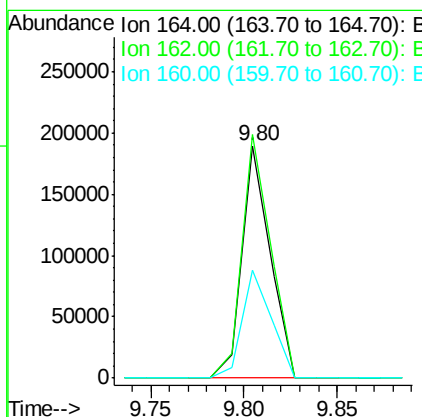
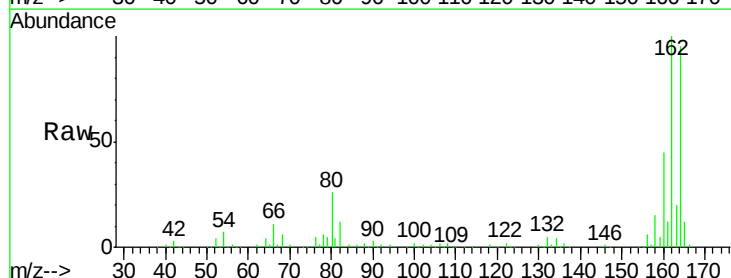
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-56-062716

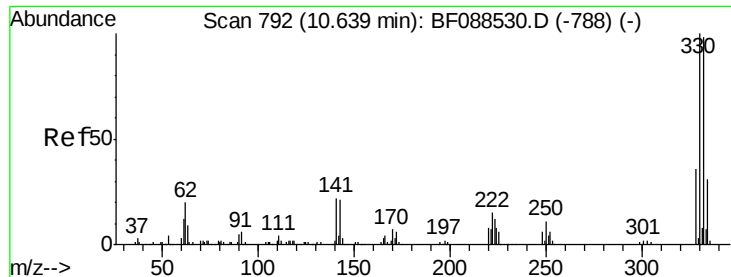
Tot Ion: 82 Resp: 740148  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 35.9 53.9  
 54 48.6 40.9 61.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 719  
 Delta R.T. -0.01 min  
 Lab File: BF088699.D  
 Acq: 5 Jul 2016 13:19

Tgt Ion:164 Resp: 199966  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 85.4 128.2  
 160 46.8 39.5 59.3

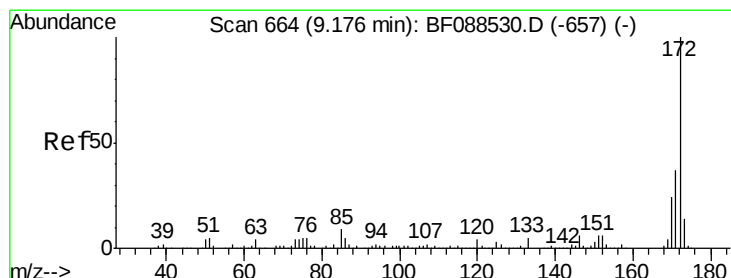
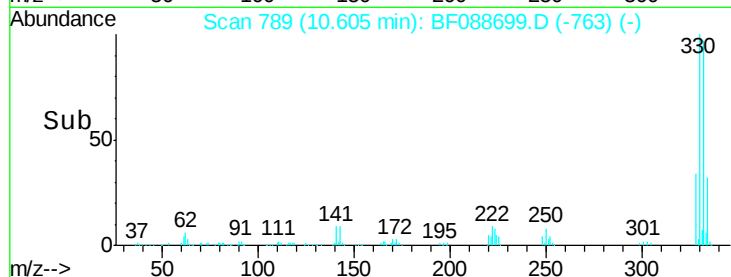
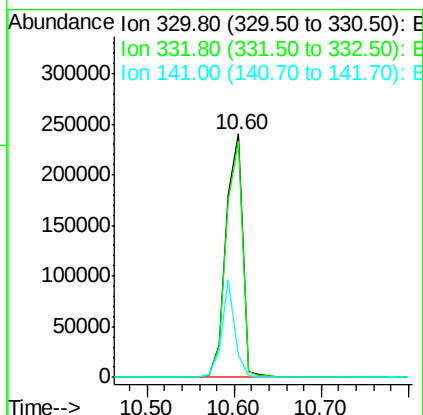
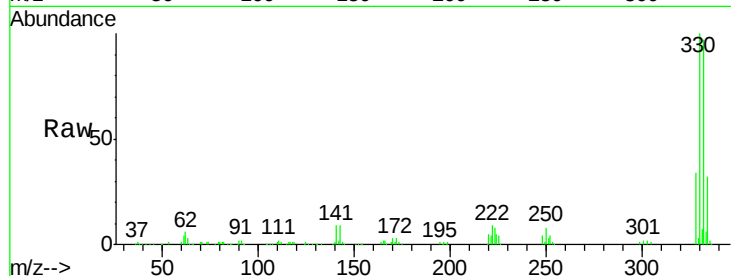




#41  
 2,4,6-Tribromophenol  
 Concen: 172.17 ng  
 RT: 10.60 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF088699.D  
 Acq: 5 Jul 2016 13:19

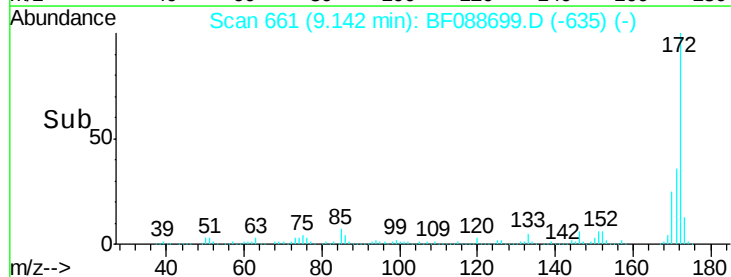
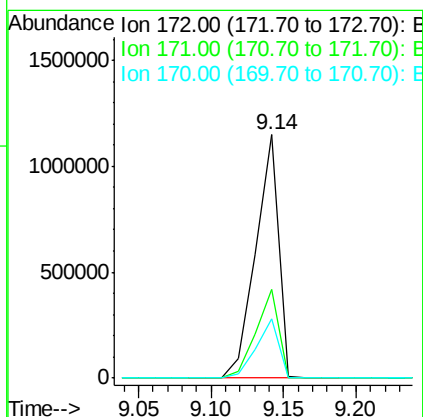
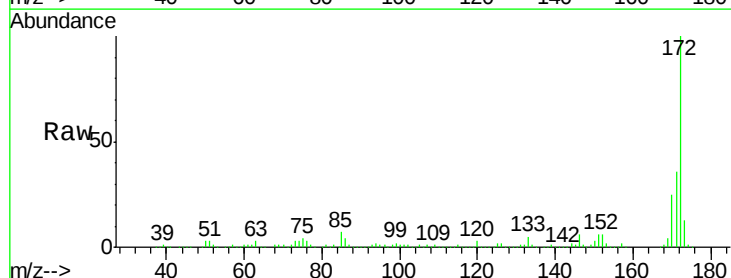
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-56-062716

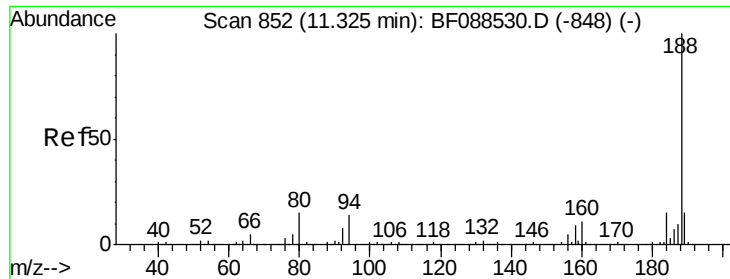
Tot Ion:330 Resp: 319696  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 0.0 0.0#  
 141 32.1 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 99.48 ng  
 RT: 9.14 min Scan# 661  
 Delta R.T. 0.00 min  
 Lab File: BF088699.D  
 Acq: 5 Jul 2016 13:19

Tgt Ion:172 Resp: 1259355  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.6 43.0  
 170 24.5 19.2 28.8

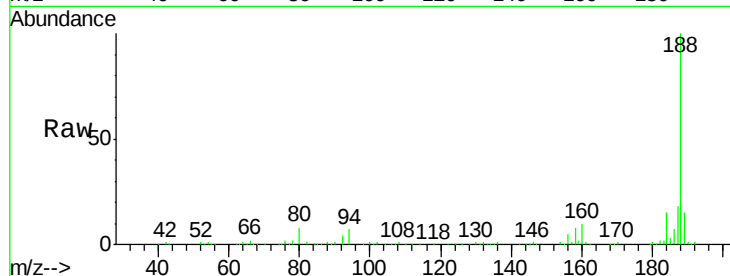




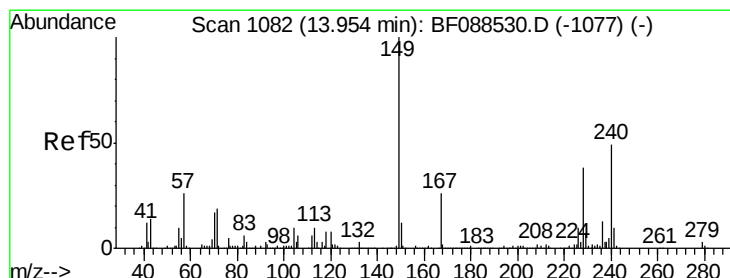
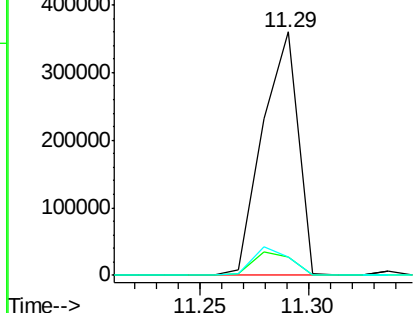
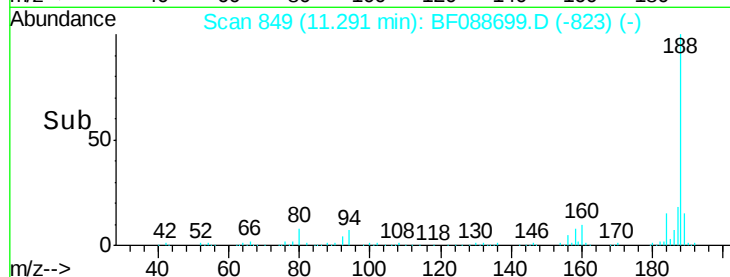
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.29 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF088699.D  
Acq: 5 Jul 2016 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-56-062716

Tot Ion:188 Resp: 414225  
Ion Ratio Lower Upper  
188 100  
94 7.4 9.0 13.6#  
80 7.6 10.0 15.0#

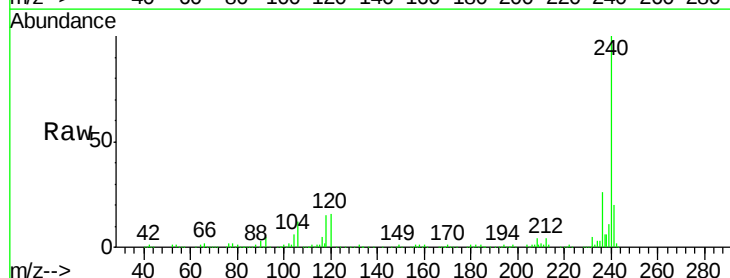


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

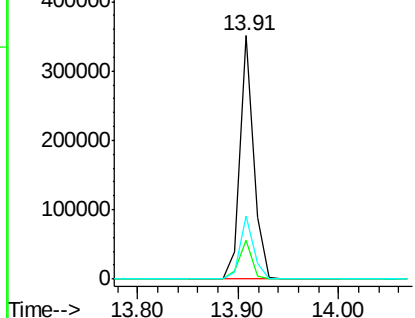
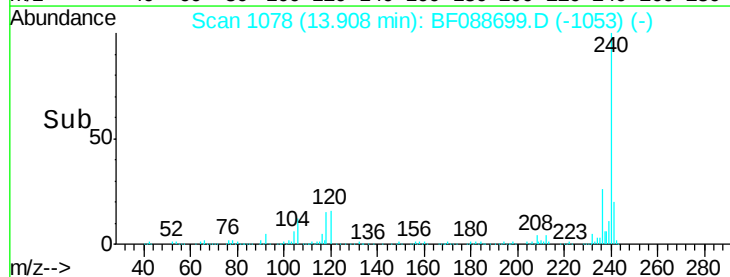


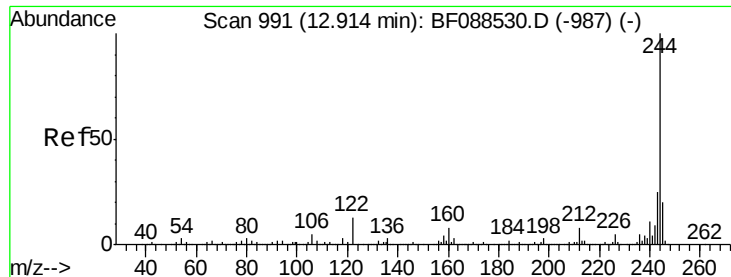
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.91 min Scan# 1078  
Delta R.T. -0.01 min  
Lab File: BF088699.D  
Acq: 5 Jul 2016 13:19

Tgt Ion:240 Resp: 333688  
Ion Ratio Lower Upper  
240 100  
120 15.9 6.8 10.2#  
236 26.0 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: 88.56 ng

RT: 12.88 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF088699.D

Acq: 5 Jul 2016 13:19

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-56-062716

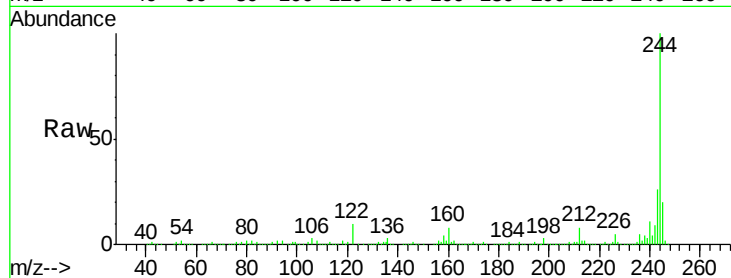
Tot Ion:244 Resp: 1326835

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

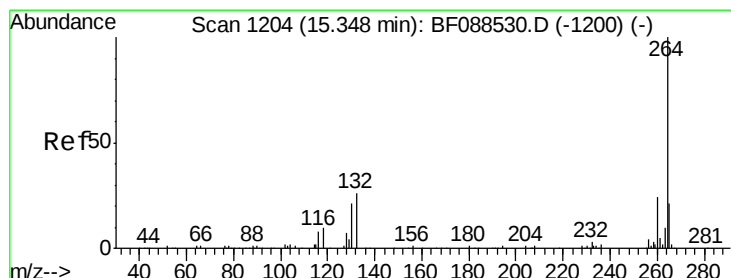
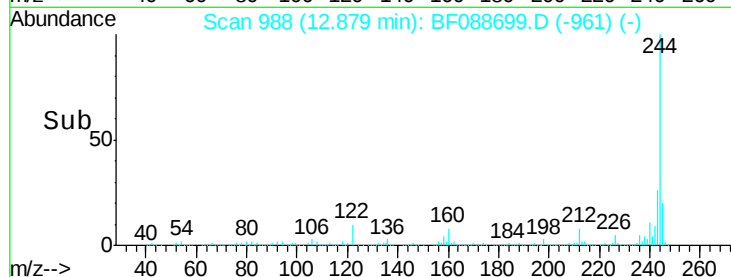
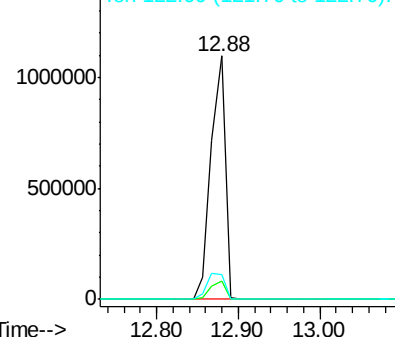
122 10.2 11.2 16.8#



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: 15.30 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF088699.D

Acq: 5 Jul 2016 13:19

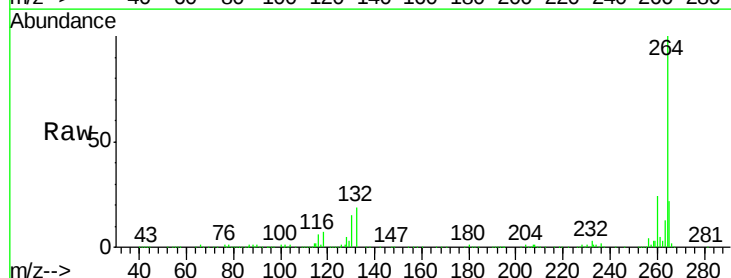
Tgt Ion:264 Resp: 310224

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.8 16.9 25.3



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

