

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062716\  
 Data File : BF088458.D  
 Acq On : 27 Jun 2016 18:29  
 Operator : UM/SJ  
 Sample : H3747-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Quant Time: Jun 28 04:51:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 19:14:18 2016  
 Response via : Initial Calibration

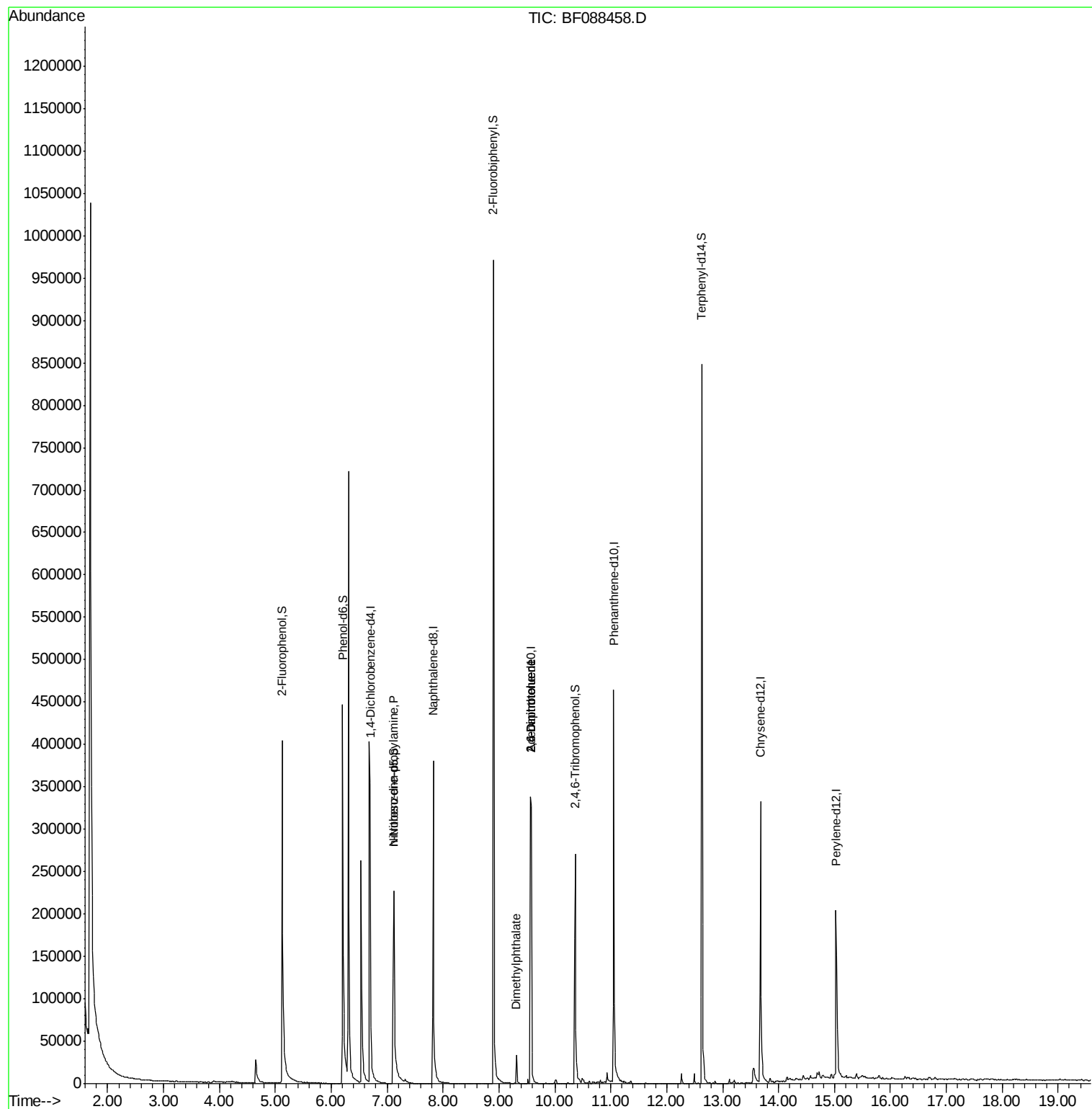
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 111135   | 20.00     | ng    | 0.15     |
| 21) Naphthalene-d8             | 7.83  | 136  | 246223   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.56  | 164  | 112301   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.05 | 188  | 218122   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.68 | 240  | 156302   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.03 | 264  | 120316   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.12  | 112  | 220731   | 33.95     | ng    | -0.01    |
| 7) Phenol-d6                   | 6.20  | 99   | 271706   | 34.49     | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.12  | 82   | 163116   | 38.68     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.36 | 330  | 52898    | 44.61     | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.90  | 172  | 351487   | 46.67     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.63 | 244  | 297324   | 43.29     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 10) Phenol                     | 6.31  | 94   | 344      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70   | 20102    | 3.99 ng   | #     | 66       |
| 45) 1,1'-Biphenyl              | 8.90  | 154  | 476      | Below Cal | #     | 1        |
| 49) Dimethylphthalate          | 9.31  | 163  | 19910    | 2.45 ng   |       | 100      |
| 50) 2,6-Dinitrotoluene         | 9.56  | 165  | 14065    | 7.55 ng   | #     | 37       |
| 56) 2,4-Dinitrotoluene         | 9.56  | 165  | 14065    | 5.87 ng   | #     | 36       |

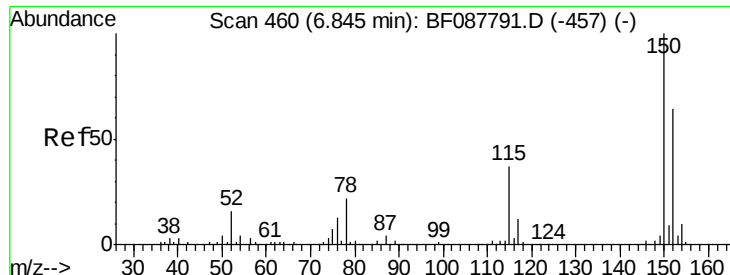
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062716\  
Data File : BF088458.D  
Acq On : 27 Jun 2016 18:29  
Operator : UM/SJ  
Sample : H3747-04  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
D9-B1(0-11)C

Quant Time: Jun 28 04:51:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 27 19:14:18 2016  
Response via : Initial Calibration

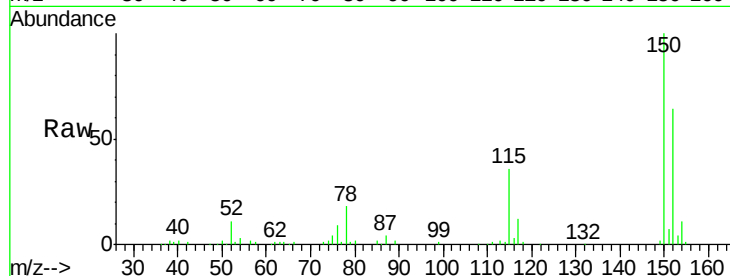




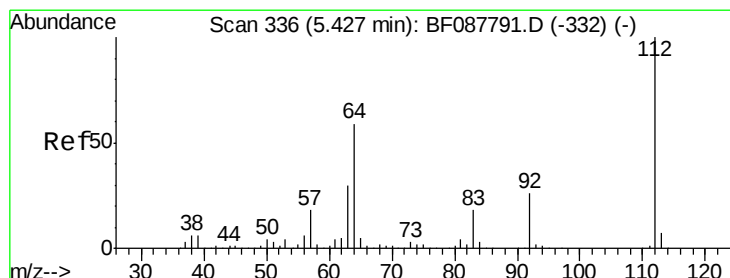
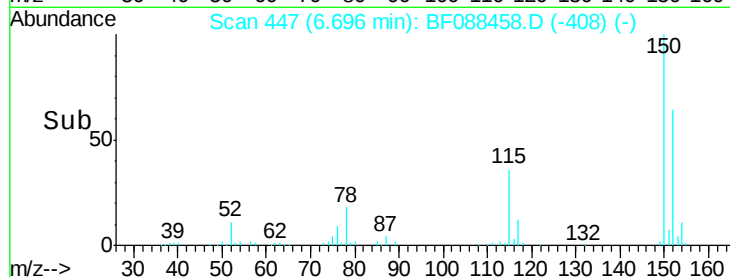
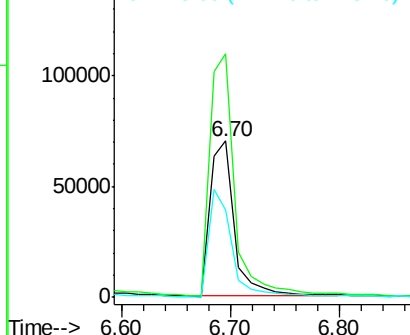
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.70 min Scan# 447  
 Delta R.T. 0.15 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Tgt Ion:152 Resp: 111135  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 123.8 185.6  
 115 56.3 39.6 59.4

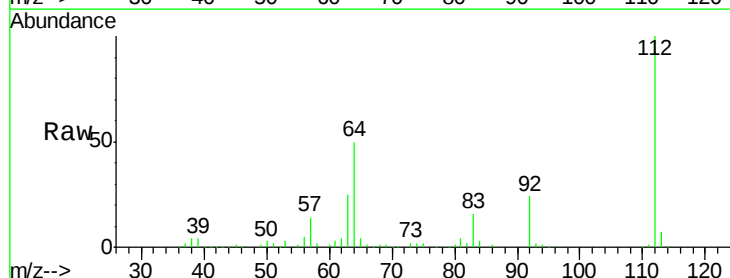


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

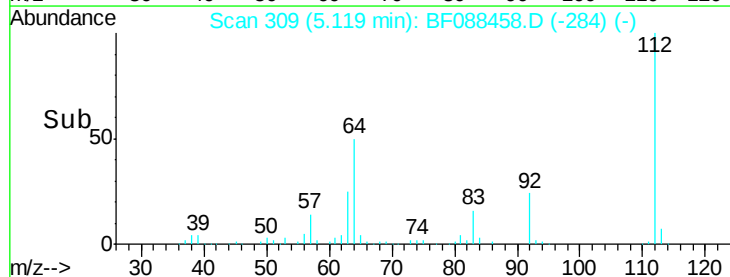
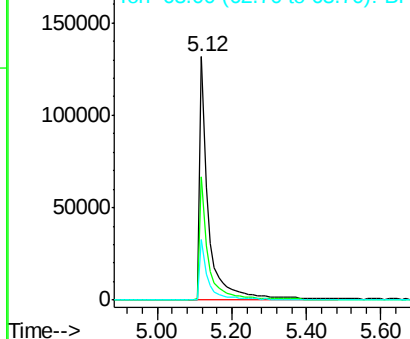


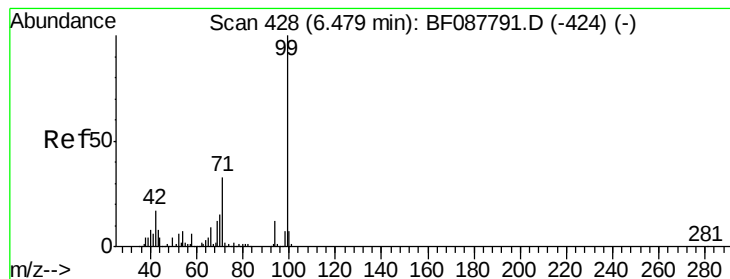
#5  
 2-Fluorophenol  
 Concen: 33.95 ng  
 RT: 5.12 min Scan# 309  
 Delta R.T. -0.01 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Tgt Ion:112 Resp: 220731  
 Ion Ratio Lower Upper  
 112 100  
 64 50.4 42.2 63.2  
 63 25.1 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: 34.49 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF088458.D

Acq: 27 Jun 2016 18:29

Instrument :

BNA\_F

ClientSampleId :

D9-B1(0-11)C

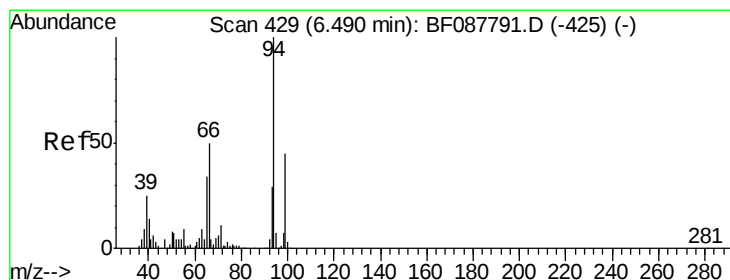
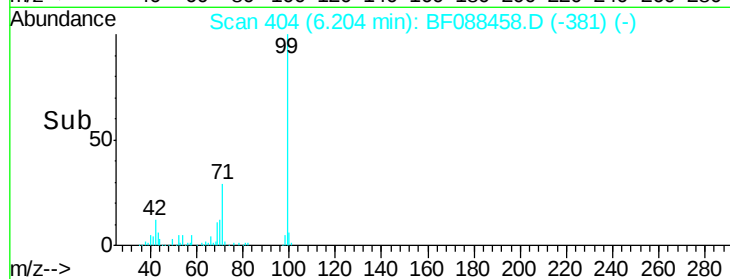
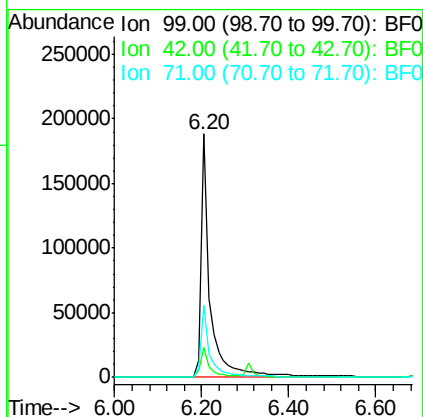
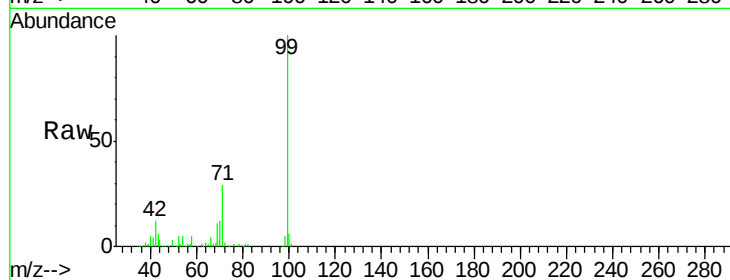
Tgt Ion: 99 Resp: 271706

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

71 29.4 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. 0.06 min

Lab File: BF088458.D

Acq: 27 Jun 2016 18:29

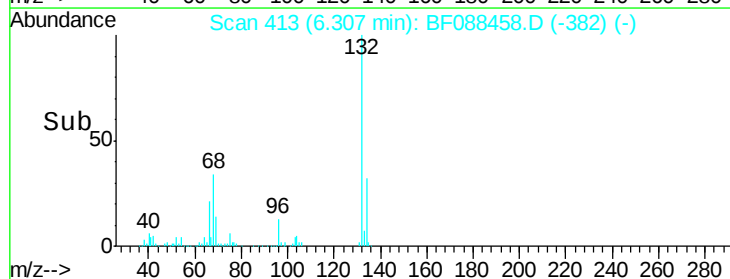
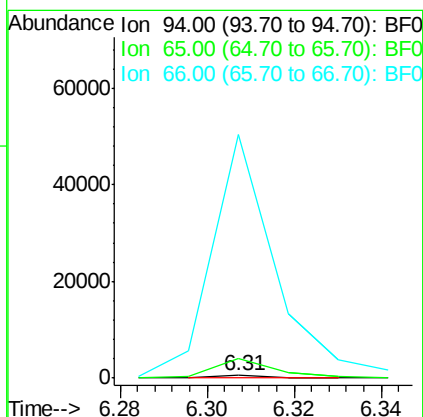
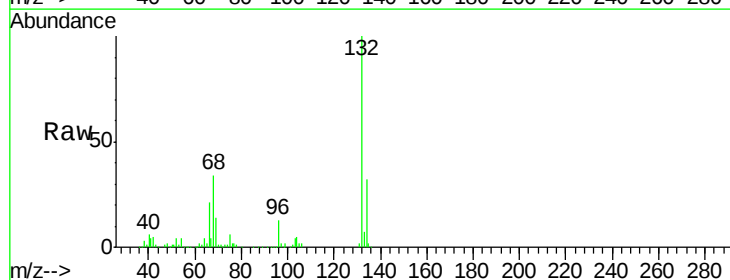
Tgt Ion: 94 Resp: 344

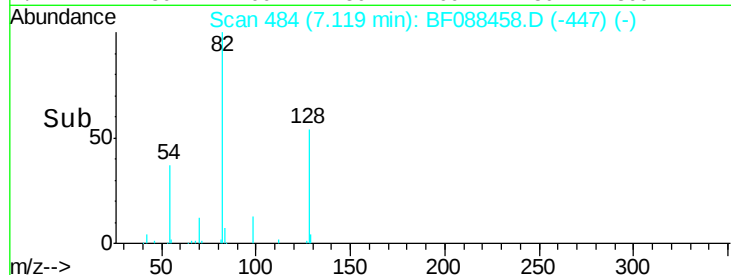
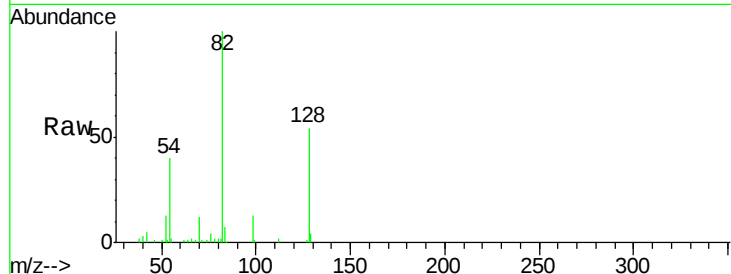
Ion Ratio Lower Upper

94 100

65 794.4 5.9 45.9#

66 10033.5 14.0 54.0#

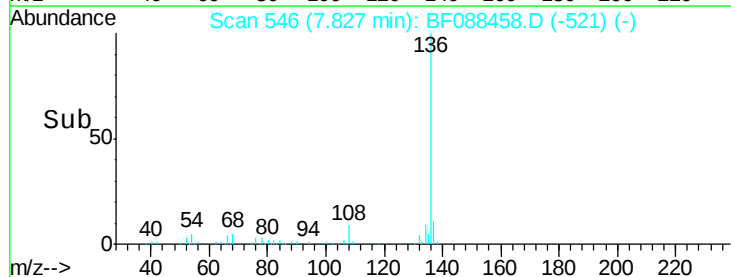
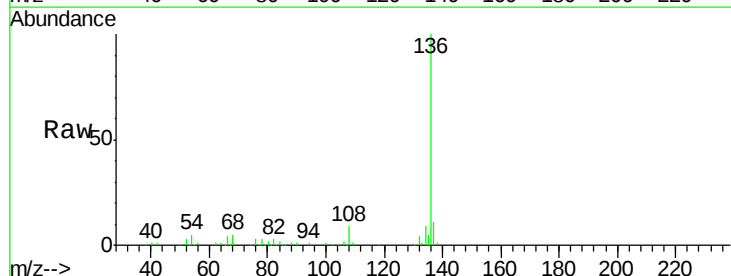
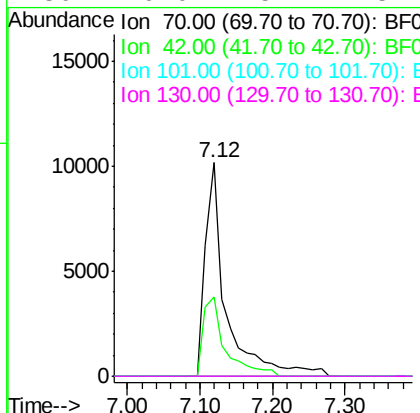




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.99 ng  
RT: 7.12 min Scan# 484  
Delta R.T. 0.13 min  
Lab File: BF088458.D  
Acq: 27 Jun 2016 18:29

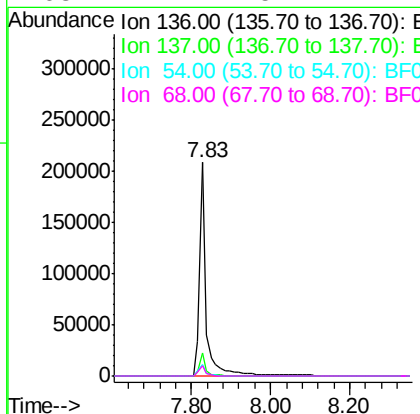
Instrument :  
BNA\_F  
ClientSampleId :  
D9-B1(0-11)C

Tgt Ion: 70 Resp: 20102  
Ion Ratio Lower Upper  
70 100  
42 37.0 49.6 74.4#  
101 0.0 7.1 10.7#  
130 0.0 15.4 23.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.83 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF088458.D  
Acq: 27 Jun 2016 18:29

Tgt Ion: 136 Resp: 246223  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.1 13.7  
54 5.2 6.6 10.0#  
68 4.7 5.1 7.7#

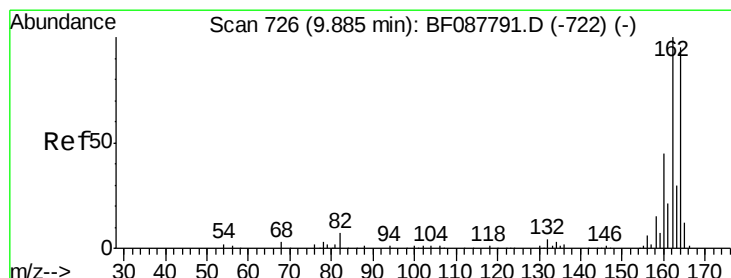
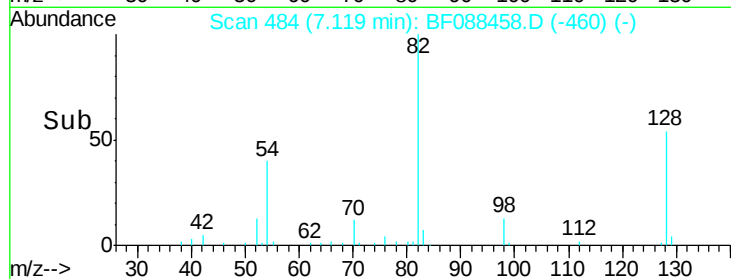
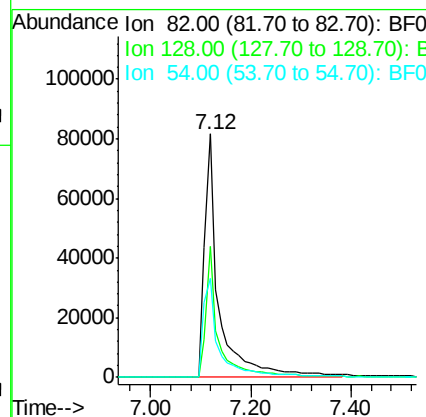
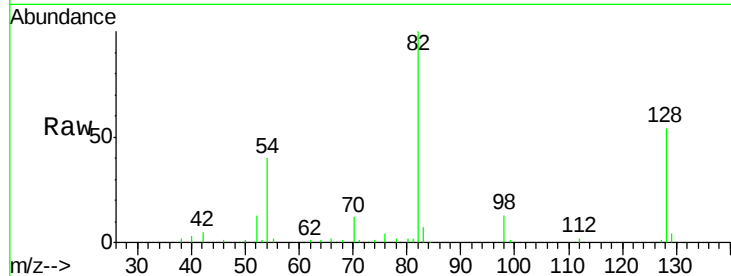




#23  
 Nitrobenzene-d5  
 Concen: 38.68 ng  
 RT: 7.12 min Scan# 484  
 Delta R.T. -0.02 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

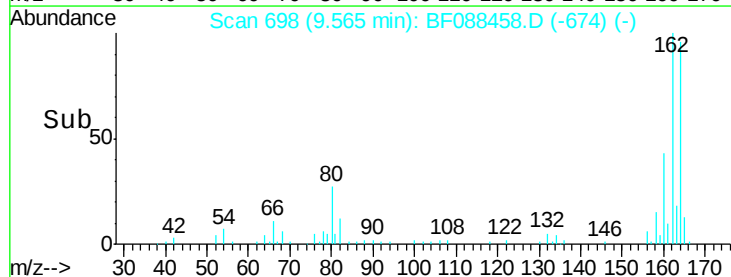
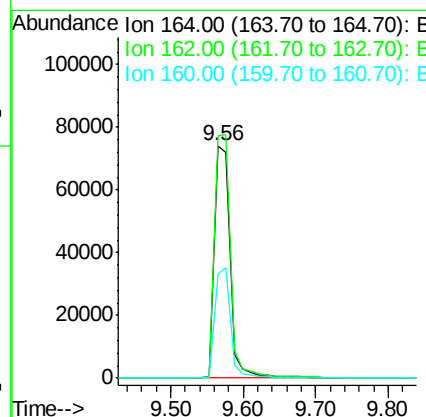
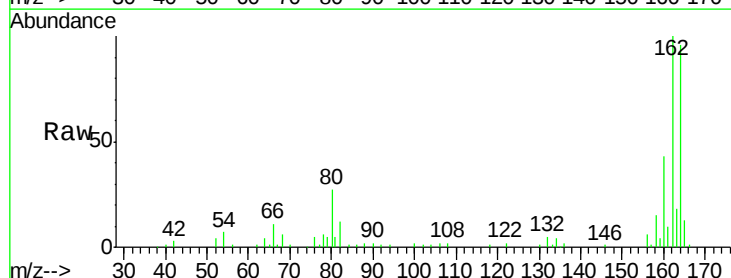
Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Tgt Ion: 82 Resp: 163116  
 Ion Ratio Lower Upper  
 82 100  
 128 53.7 35.9 53.9  
 54 40.4 40.9 61.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.56 min Scan# 698  
 Delta R.T. -0.02 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Tgt Ion: 164 Resp: 112301  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 85.4 128.2  
 160 44.6 39.5 59.3

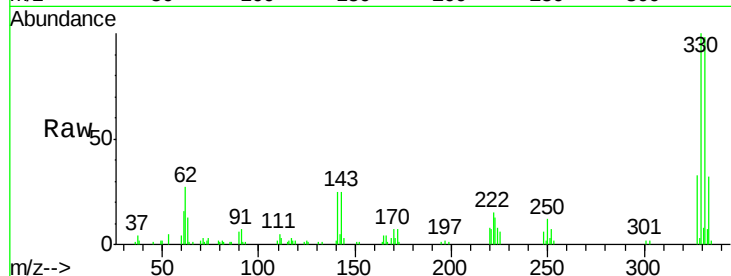




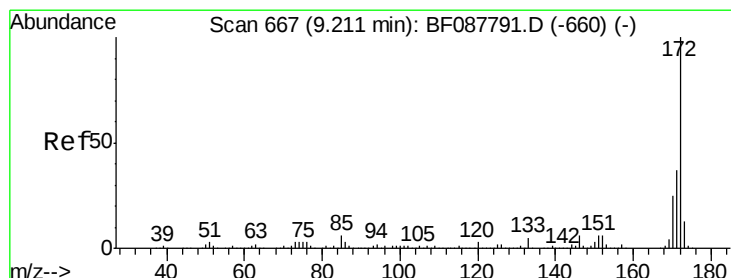
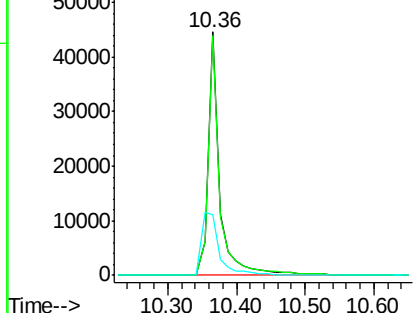
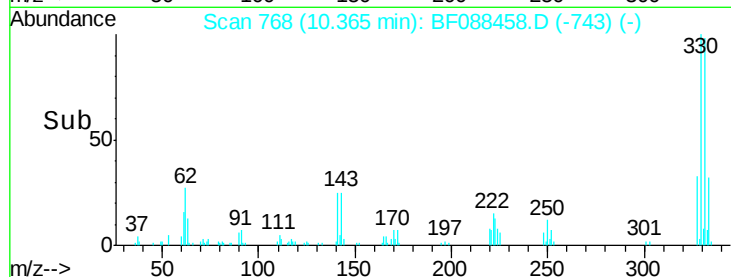
#41  
 2,4,6-Tribromophenol  
 Concen: 44.61 ng  
 RT: 10.36 min Scan# 768  
 Delta R.T. -0.01 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Tgt Ion:330 Resp: 52898  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 0.0 0.0#  
 141 38.7 0.0 0.0#

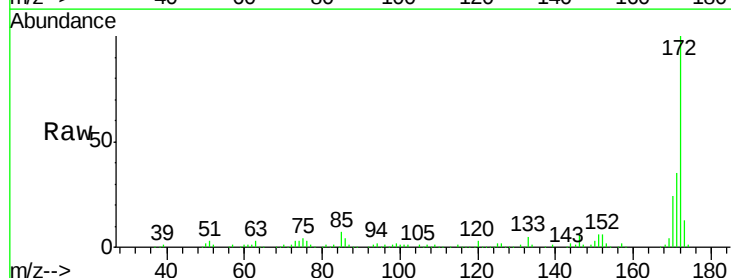


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

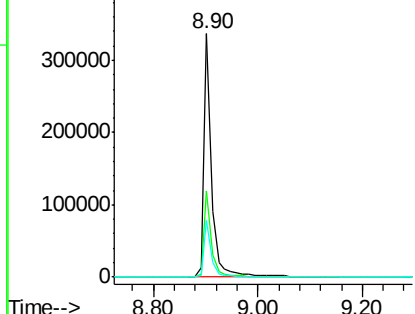
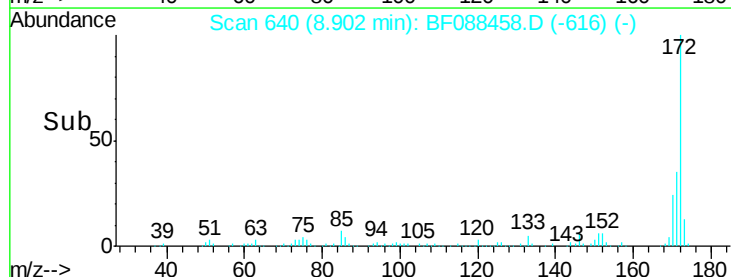


#44  
 2-Fluorobiphenyl  
 Concen: 46.67 ng  
 RT: 8.90 min Scan# 640  
 Delta R.T. -0.02 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Tgt Ion:172 Resp: 351487  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 43.0  
 170 23.5 19.2 28.8



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

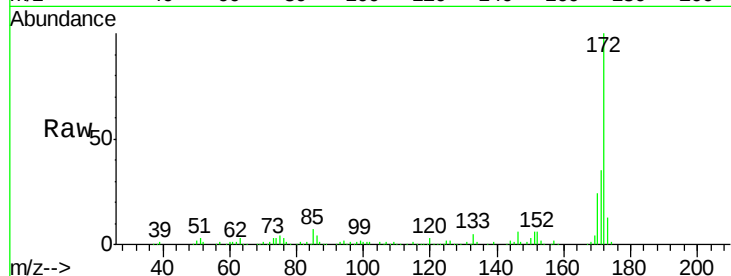




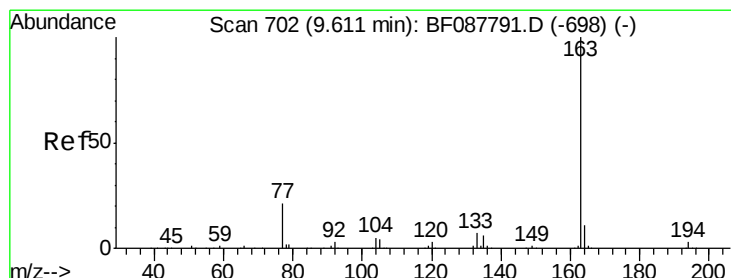
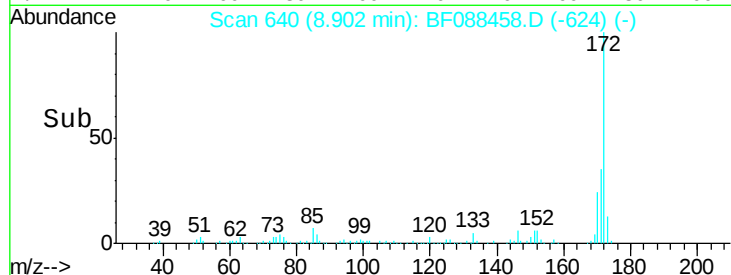
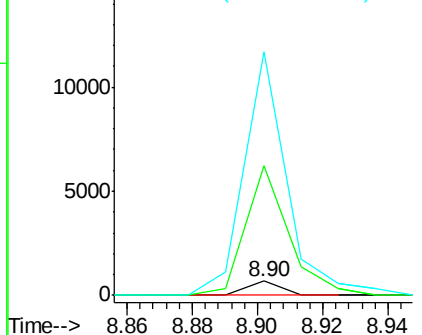
#45  
 1,1'-Biphenyl  
 Concen: Below Cal  
 RT: 8.90 min Scan# 640  
 Delta R.T. -0.11 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Tgt Ion:154 Resp: 476  
 Ion Ratio Lower Upper  
 154 100  
 153 896.3 20.6 60.6#  
 76 1685.4 0.0 35.1#

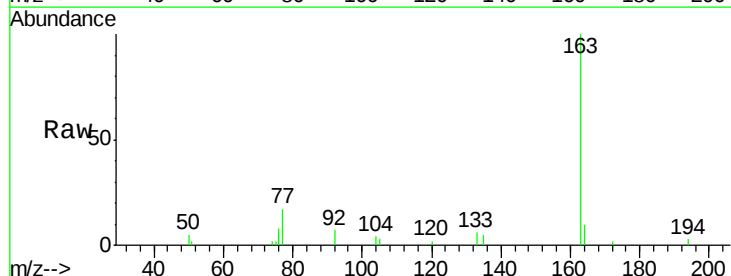


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

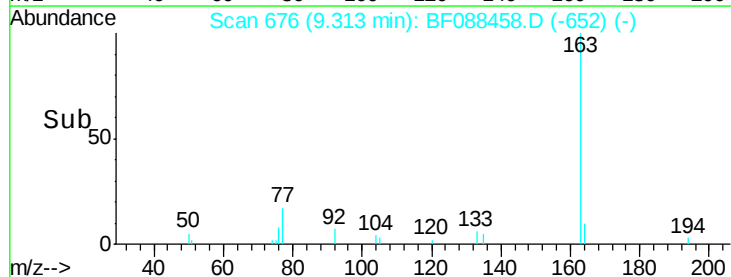
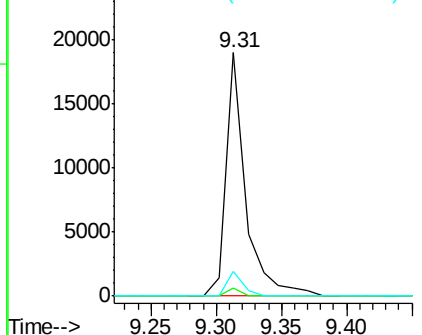


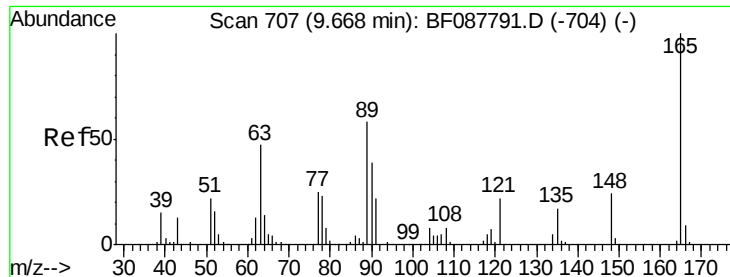
#49  
 Dimethylphthalate  
 Concen: 2.45 ng  
 RT: 9.31 min Scan# 676  
 Delta R.T. -0.02 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Tgt Ion:163 Resp: 19910  
 Ion Ratio Lower Upper  
 163 100  
 194 3.2 2.8 4.2  
 164 10.4 8.3 12.5



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

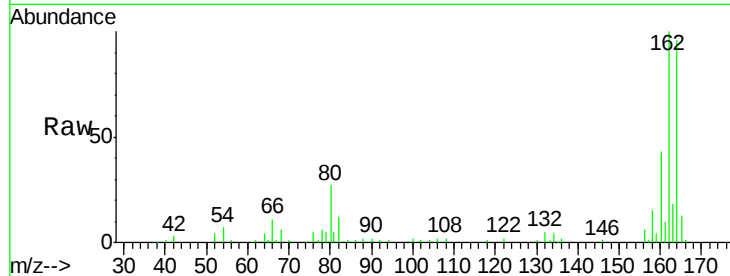




#50  
 2,6-Dinitrotoluene  
 Concen: 7.55 ng  
 RT: 9.56 min Scan# 698  
 Delta R.T. 0.16 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

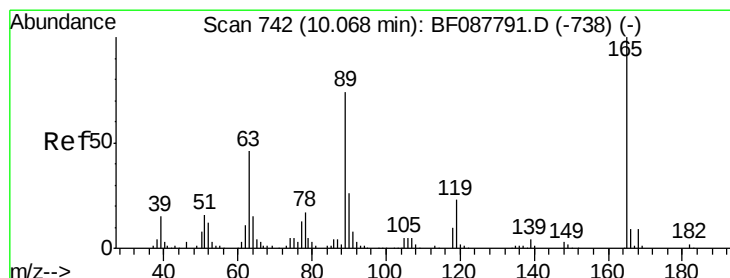
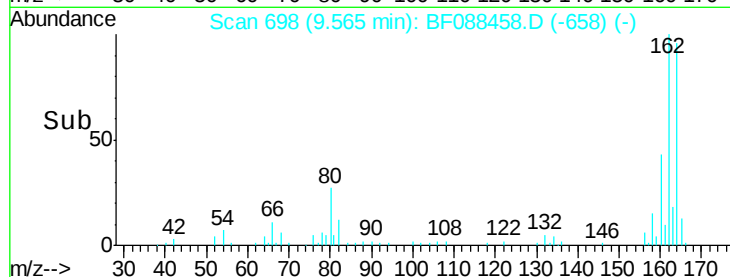
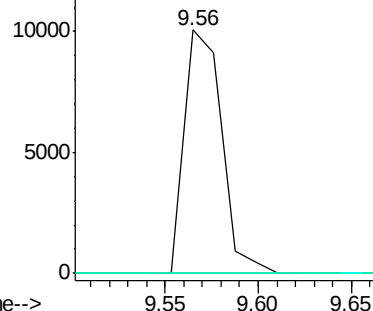
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 28.1  | 42.1# |
| 89      | 0.0   | 32.2  | 48.2# |



Abundance Ion 165.00 (164.70 to 165.70): E

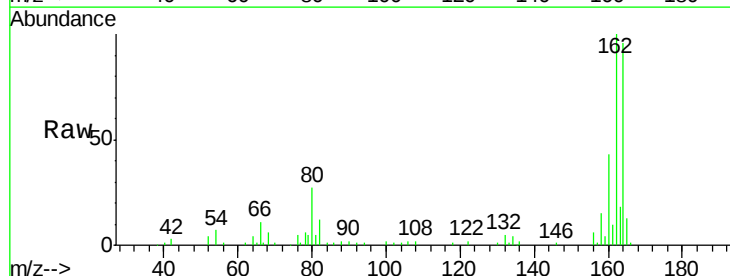
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 5.87 ng  
 RT: 9.56 min Scan# 698  
 Delta R.T. -0.24 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 22.0  | 33.0# |
| 89      | 0.0   | 41.1  | 61.7# |
| 182     | 0.0   | 2.0   | 3.0#  |

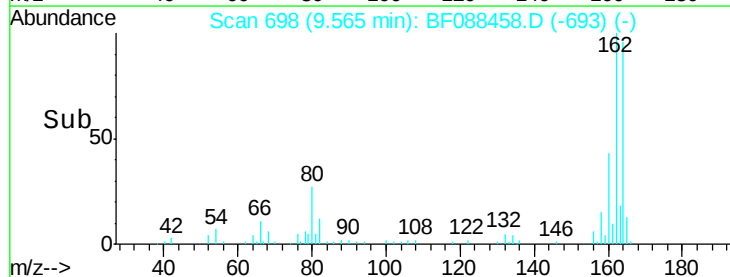
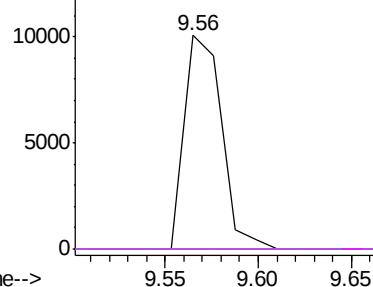


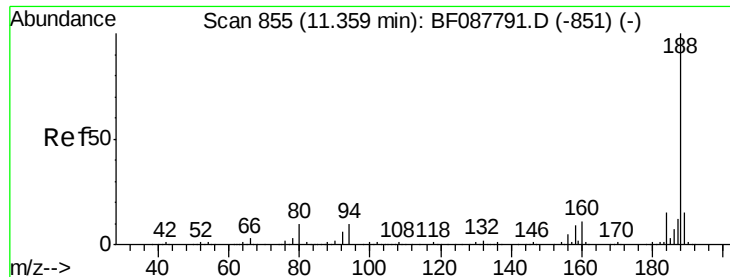
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

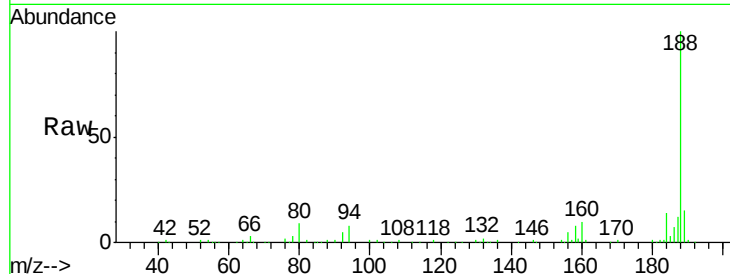




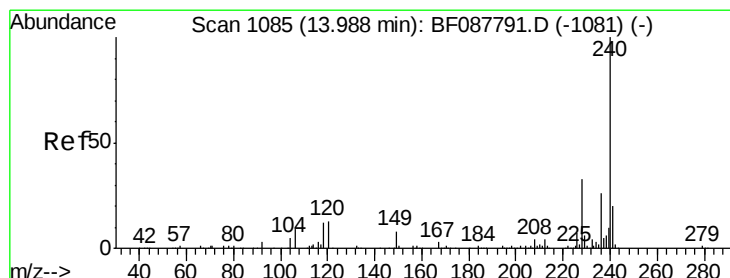
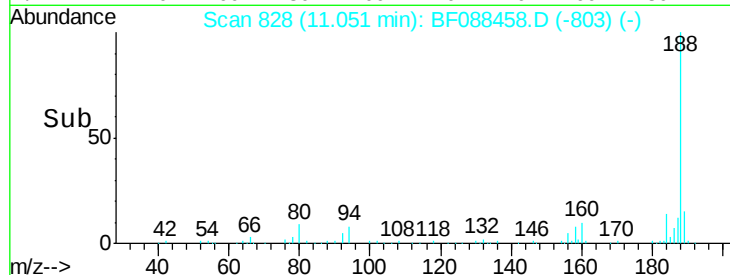
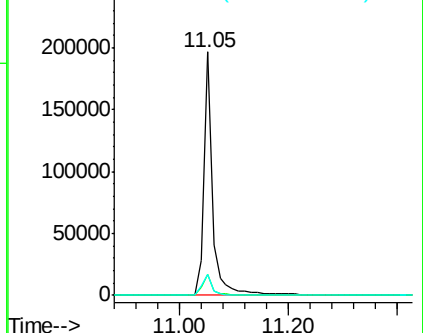
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.05 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF088458.D  
Acq: 27 Jun 2016 18:29

Instrument :  
BNA\_F  
ClientSampleId :  
D9-B1(0-11)C

Tgt Ion:188 Resp: 218122  
Ion Ratio Lower Upper  
188 100  
94 8.4 9.0 13.6#  
80 8.7 10.0 15.0#

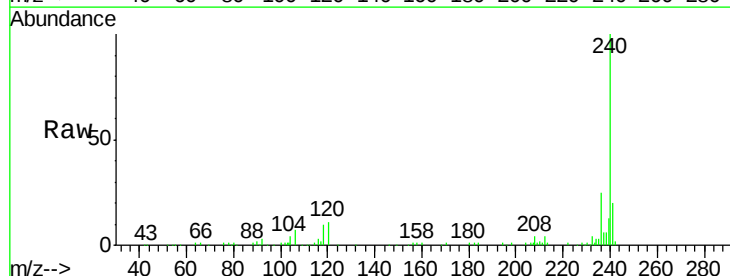


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

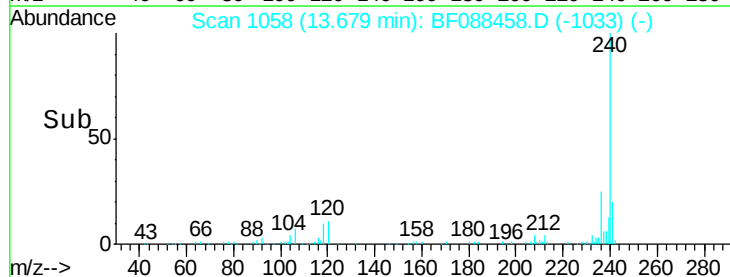
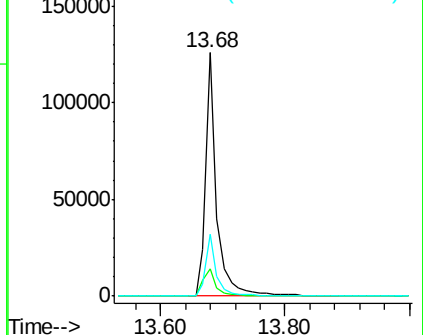


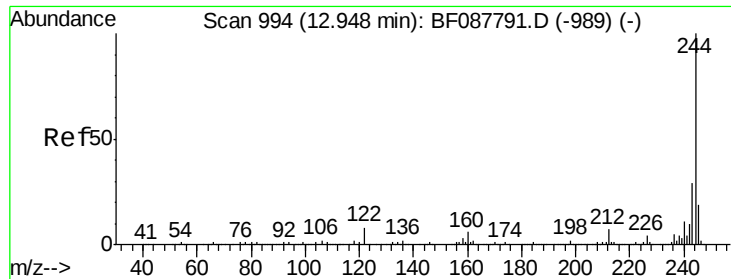
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.68 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BF088458.D  
Acq: 27 Jun 2016 18:29

Tgt Ion:240 Resp: 156302  
Ion Ratio Lower Upper  
240 100  
120 11.2 6.8 10.2#  
236 25.4 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

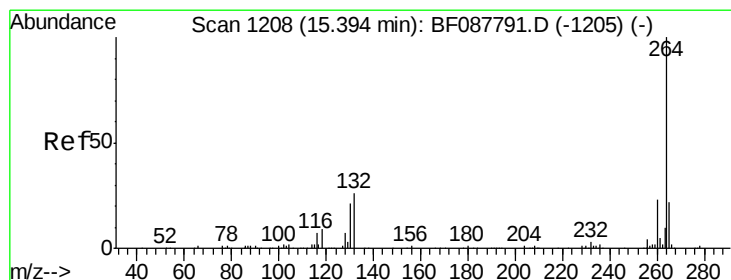
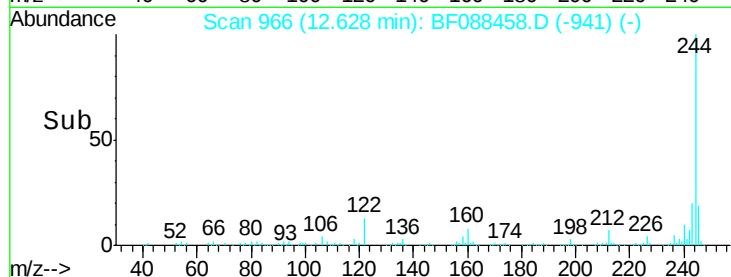
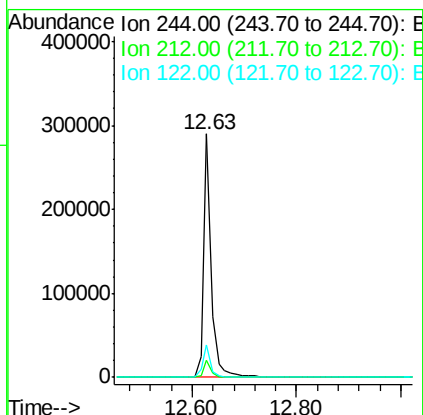
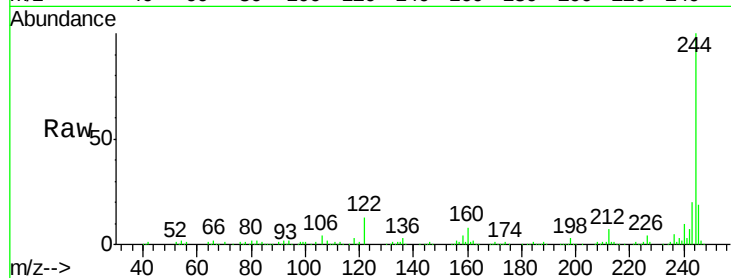




#78  
 Terphenyl-d14  
 Concen: 43.29 ng  
 RT: 12.63 min Scan# 966  
 Delta R.T. -0.01 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D9-B1(0-11)C

Tgt Ion:244 Resp: 297324  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 13.3 11.2 16.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.03 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF088458.D  
 Acq: 27 Jun 2016 18:29

Tgt Ion:264 Resp: 120316  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 19.2 28.8  
 265 21.4 16.9 25.3

