

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120616\  
 Data File : BF091460.D  
 Acq On : 6 Dec 2016 15:58  
 Operator : UM/SJ  
 Sample : H5840-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 113016-DSDC-F-D-S

Quant Time: Dec 07 00:38:58 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 07 00:12:14 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 135218   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 504542   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.88  | 164  | 296894   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 439297   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.98 | 240  | 311968   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.41 | 264  | 297057   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 204156   | 24.66 | ng    | -0.01    |
| 7) Phenol-d6                | 6.46  | 99   | 174025   | 17.08 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 775936   | 86.19 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 193389   | 68.80 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1489190  | 90.82 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.94 | 244  | 1233771  | 85.96 | ng    | 0.00     |

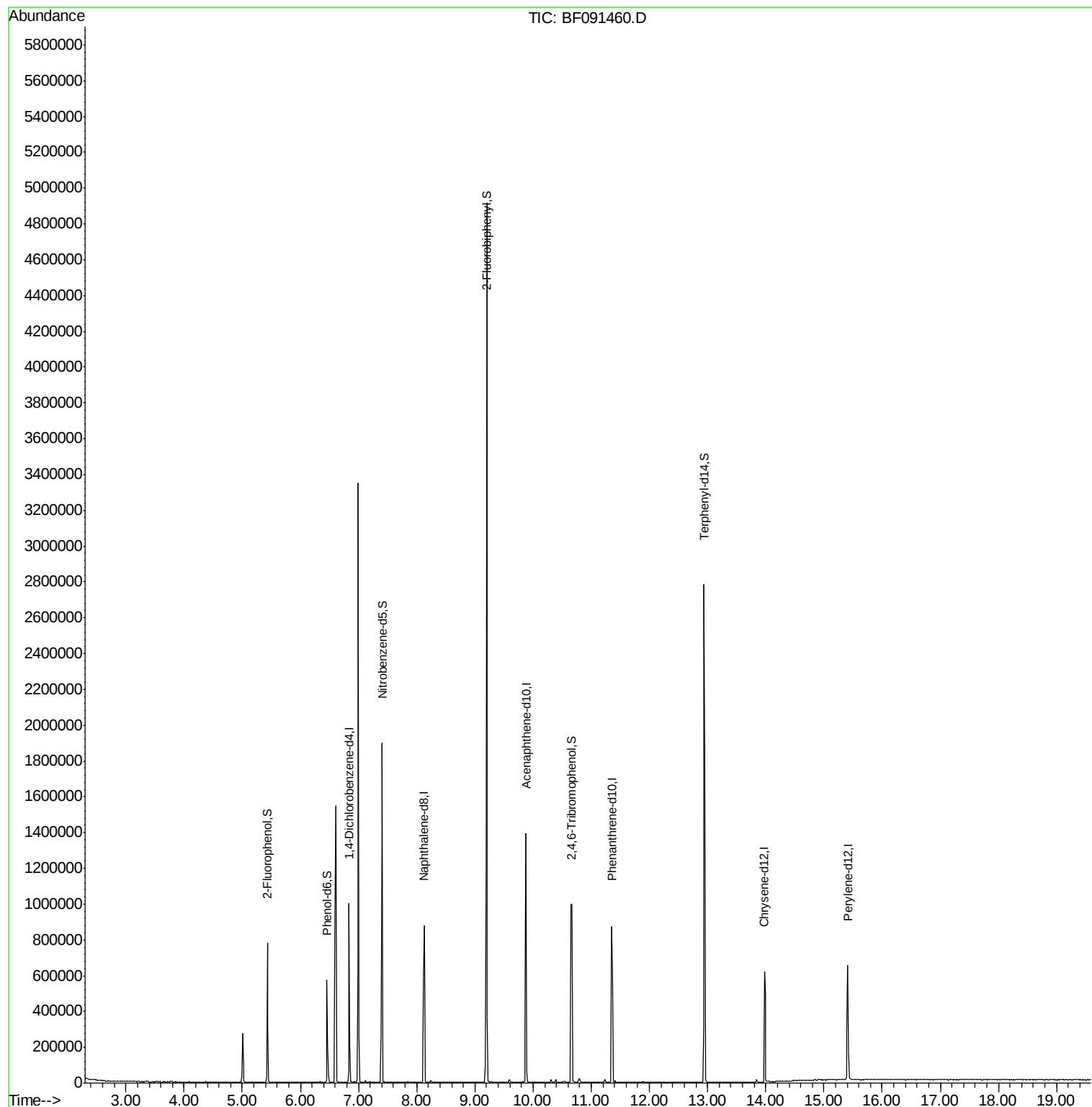
Target Compounds Qvalue

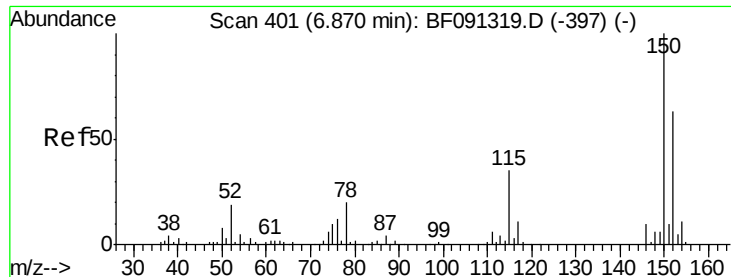
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

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QLast Update : Wed Dec 07 00:12:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF091460.D

Acq: 6 Dec 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

113016-DSDC-F-D-S

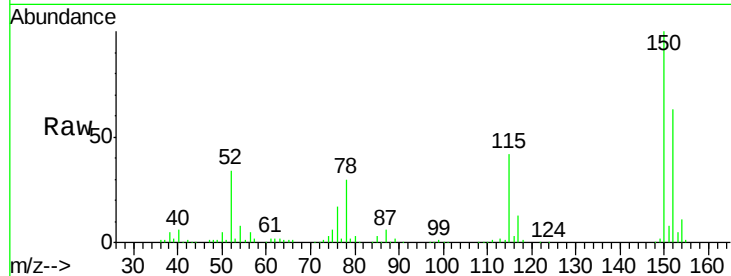
Tot Ion:152 Resp: 135218

Ion Ratio Lower Upper

152 100

150 159.2 122.5 183.7

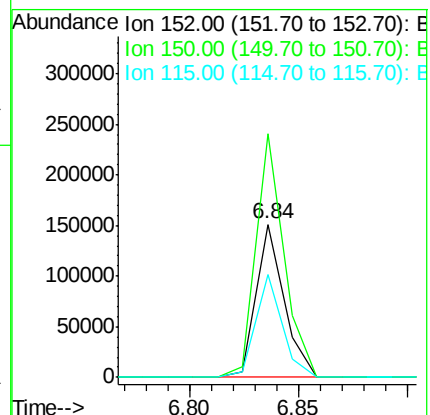
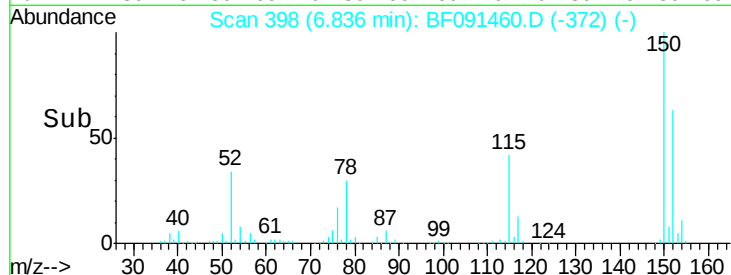
115 67.0 51.8 77.8



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: 24.66 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.01 min

Lab File: BF091460.D

Acq: 6 Dec 2016 15:58

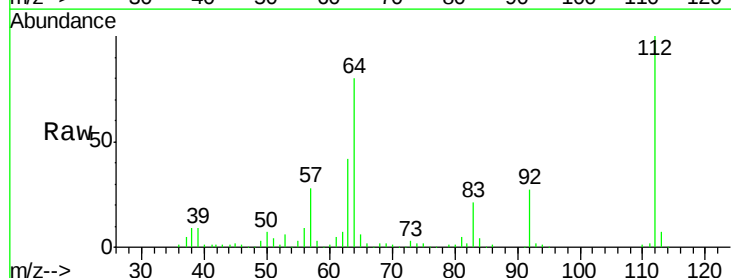
Tgt Ion:112 Resp: 204156

Ion Ratio Lower Upper

112 100

64 80.4 61.5 92.3

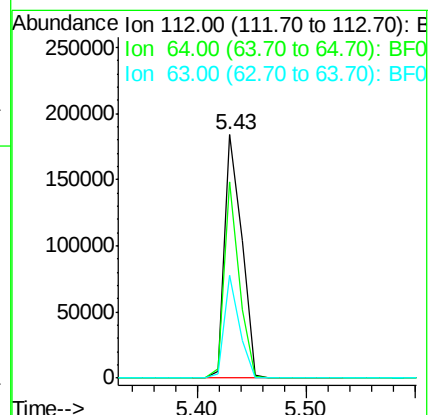
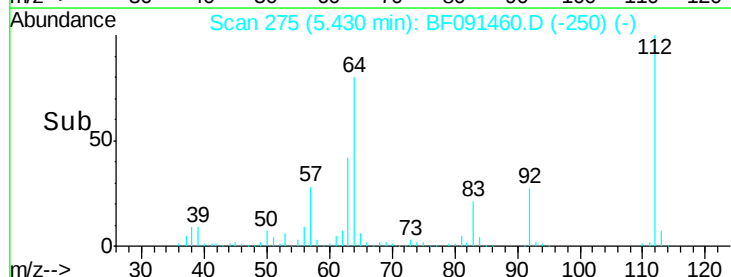
63 42.0 33.3 49.9



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: 17.08 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF091460.D

Acq: 6 Dec 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

113016-DSDC-F-D-S

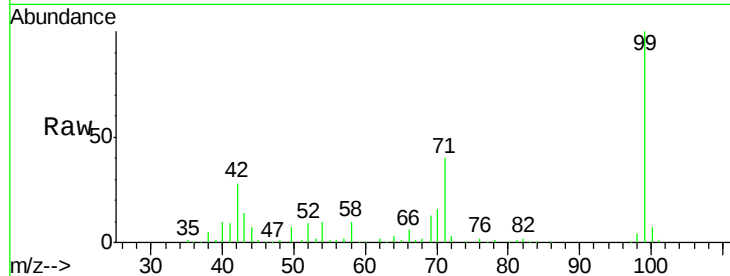
Tot Ion: 99 Resp: 174025

Ion Ratio Lower Upper

99 100

42 27.6 20.6 31.0

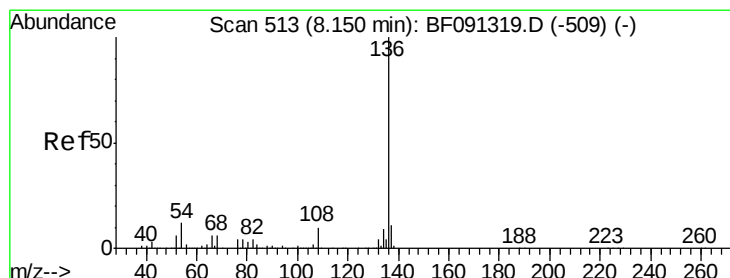
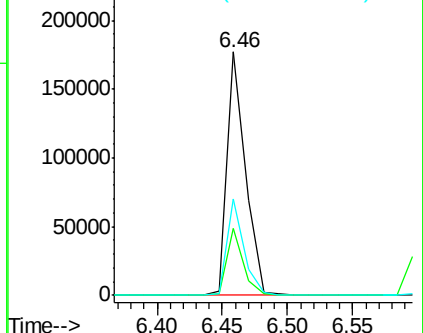
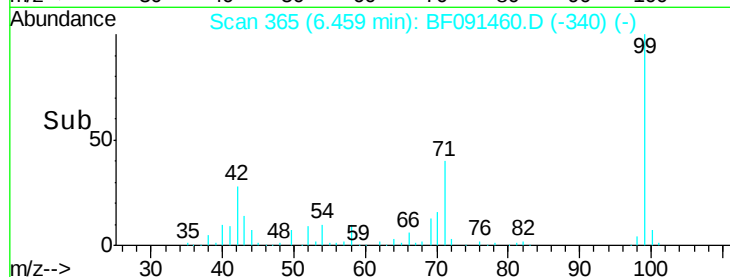
71 39.5 29.9 44.9



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: 8.13 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF091460.D

Acq: 6 Dec 2016 15:58

Tgt Ion: 136 Resp: 504542

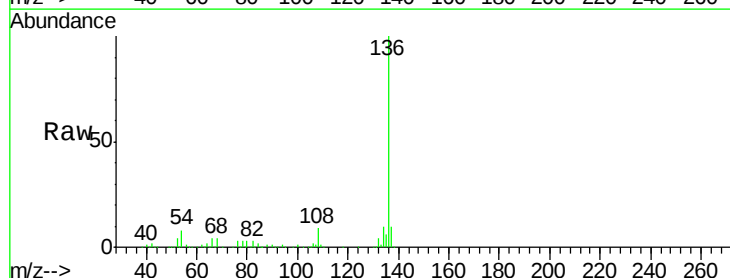
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 7.7 9.1 13.7#

68 3.8 5.9 8.9#

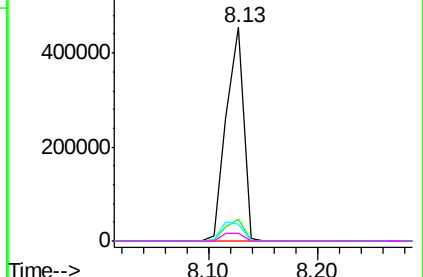
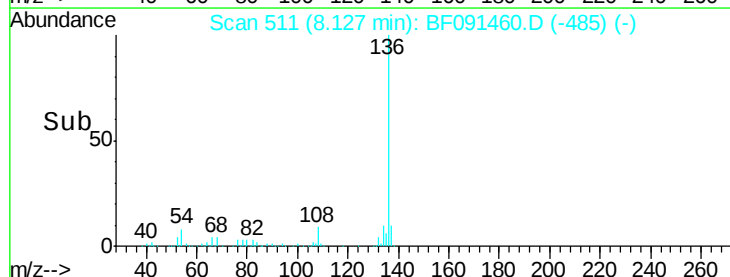


Abundance Ion 136.00 (135.70 to 136.70): E

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

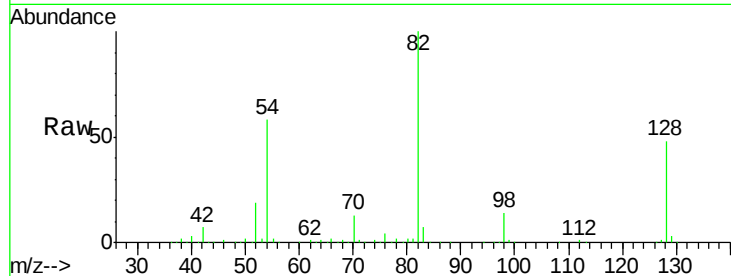




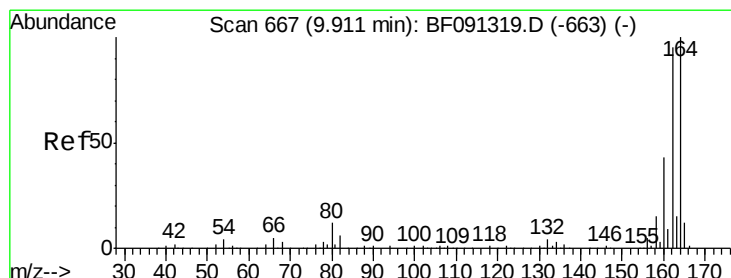
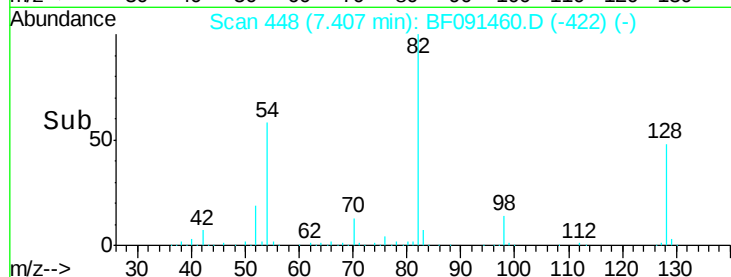
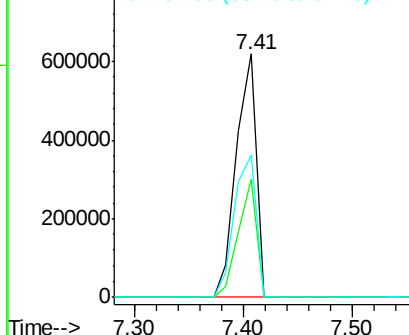
#23  
 Nitrobenzene-d5  
 Concen: 86.19 ng  
 RT: 7.41 min Scan# 448  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 113016-DSDC-F-D-S

Tot Ion: 82 Resp: 775936  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 31.8 47.6#  
 54 58.5 49.1 73.7

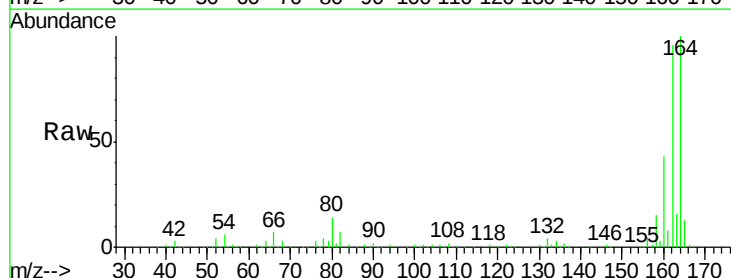


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

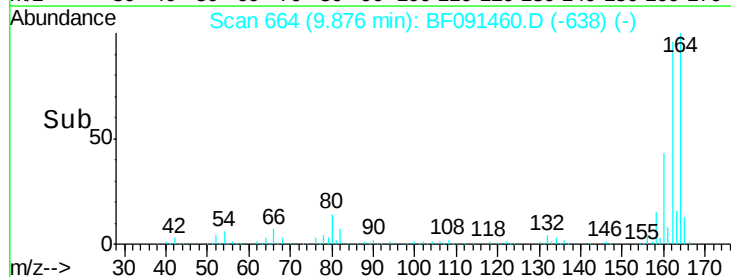
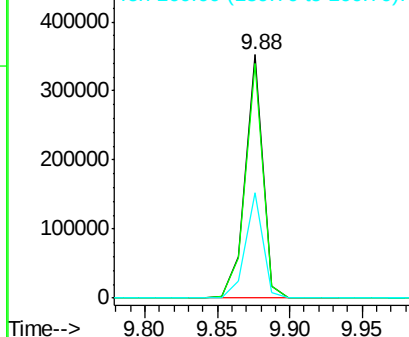


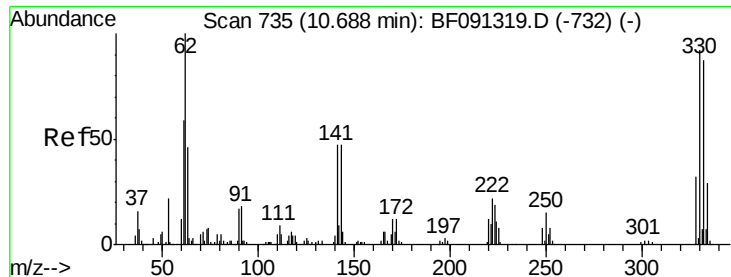
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 664  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

Tgt Ion: 164 Resp: 296894  
 Ion Ratio Lower Upper  
 164 100  
 162 96.3 82.6 124.0  
 160 43.2 36.7 55.1



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

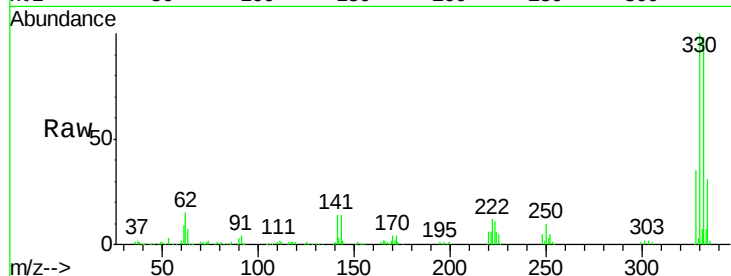




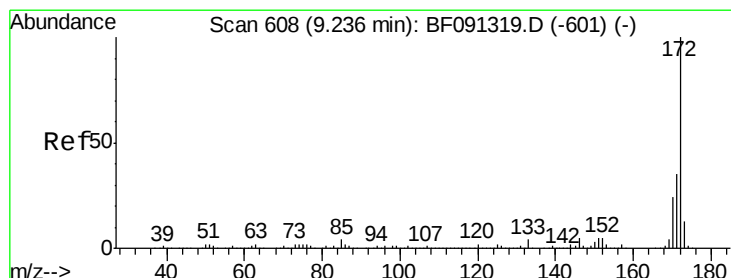
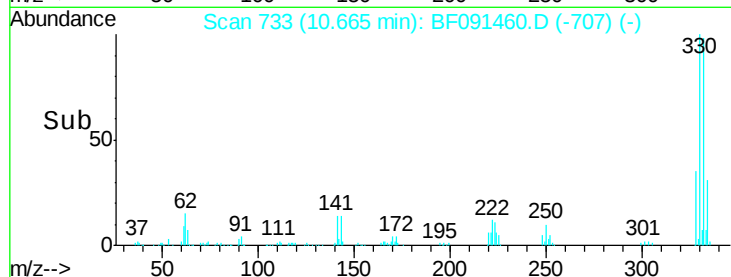
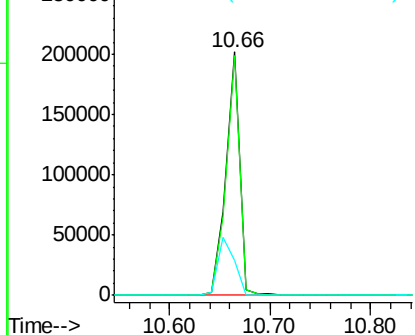
#41  
 2,4,6-Tribromophenol  
 Concen: 68.80 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 113016-DSDC-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 76.2  | 114.4 |
| 141     | 28.6  | 33.6  | 50.4  |

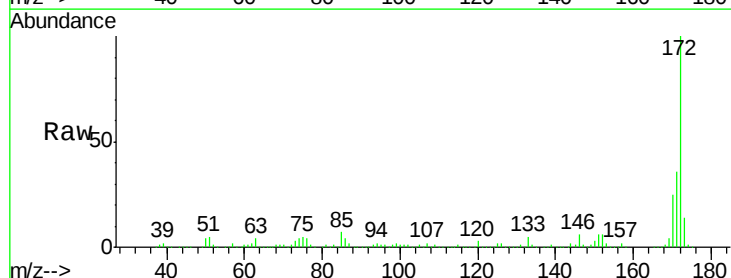


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

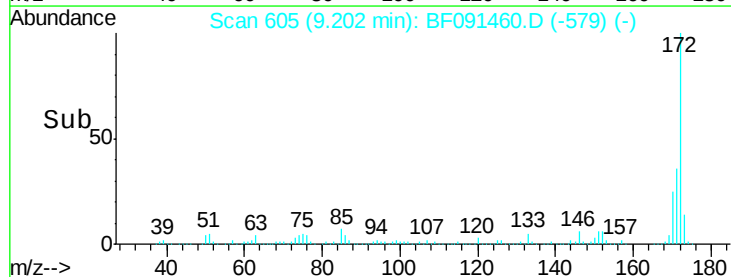
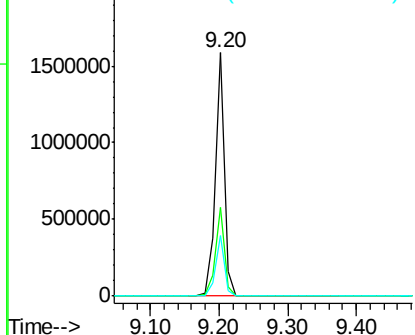


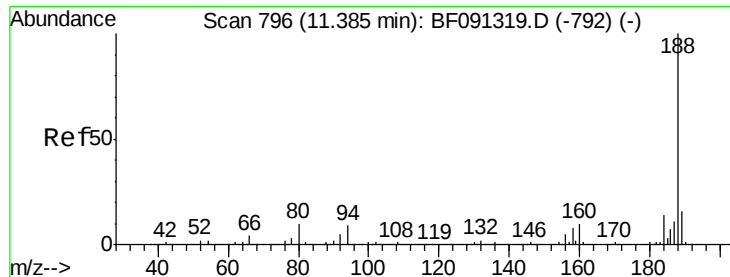
#44  
 2-Fluorobiphenyl  
 Concen: 90.82 ng  
 RT: 9.20 min Scan# 605  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.4  | 44.0  |
| 170     | 24.7  | 19.7  | 29.5  |



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

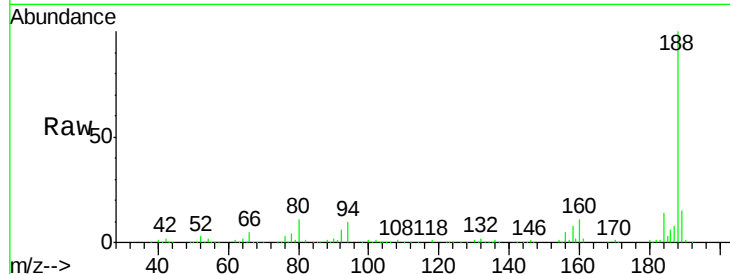




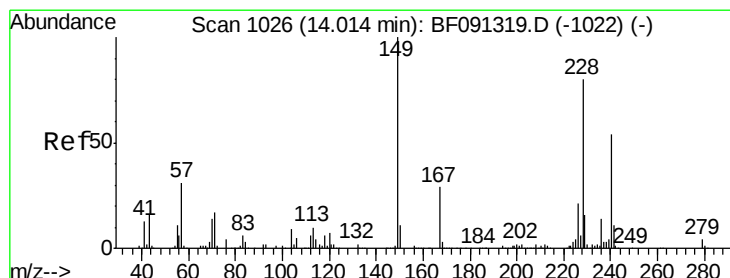
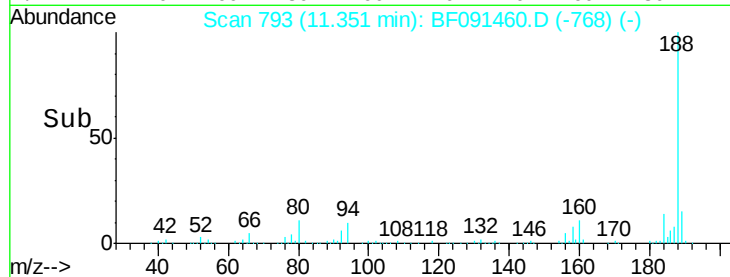
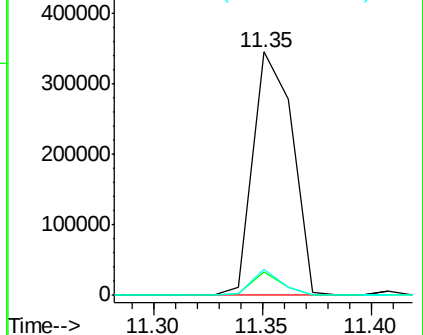
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.35 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF091460.D  
Acq: 6 Dec 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
113016-DSDC-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 9.2   | 13.8  |
| 80      | 10.9  | 10.5  | 15.7  |

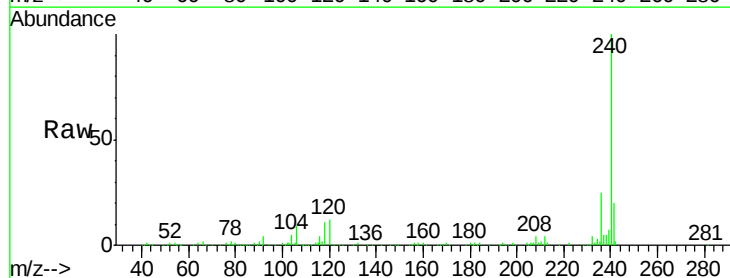


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

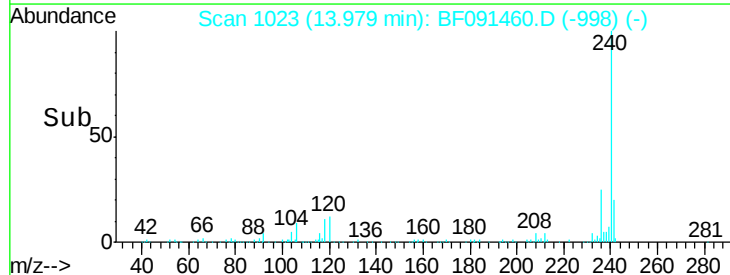
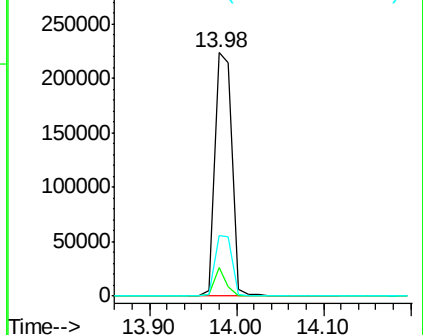


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.98 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BF091460.D  
Acq: 6 Dec 2016 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.8  | 12.1  | 18.1# |
| 236     | 25.0  | 21.0  | 31.6  |



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

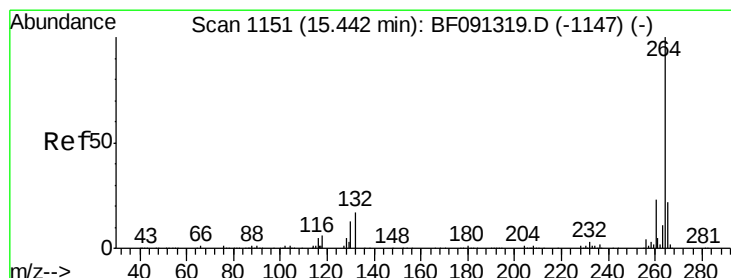
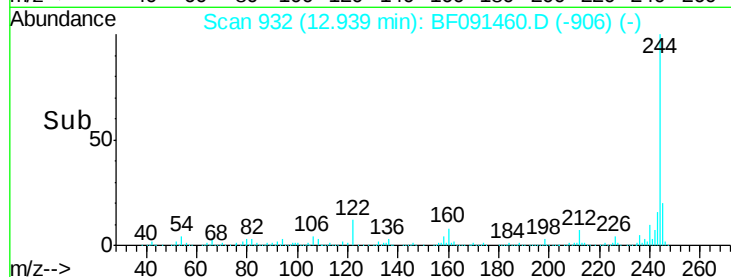
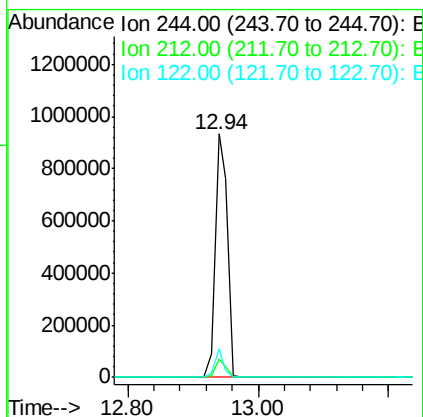
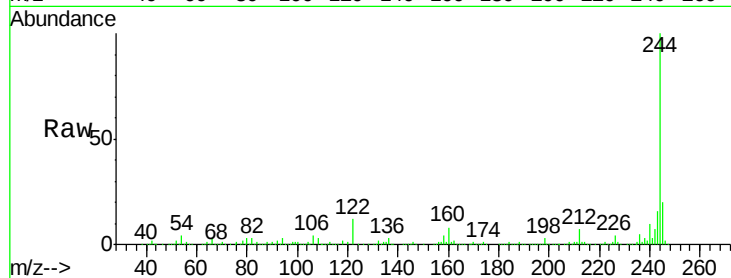




#78  
 Terphenyl-d14  
 Concen: 85.96 ng  
 RT: 12.94 min Scan# 932  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 113016-DSDC-F-D-S

Tot Ion:244 Resp: 1233771  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.5 9.7  
 122 11.9 9.5 14.3



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.41 min Scan# 1148  
 Delta R.T. -0.00 min  
 Lab File: BF091460.D  
 Acq: 6 Dec 2016 15:58

Tgt Ion:264 Resp: 297057  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.8 28.2  
 265 22.4 17.0 25.6

