

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
 Data File : BF109068.D  
 Acq On : 18 Sep 2018 1:16  
 Operator : JU/SJ  
 Sample : J4936-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 138kv-1

Quant Time: Sep 18 05:46:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

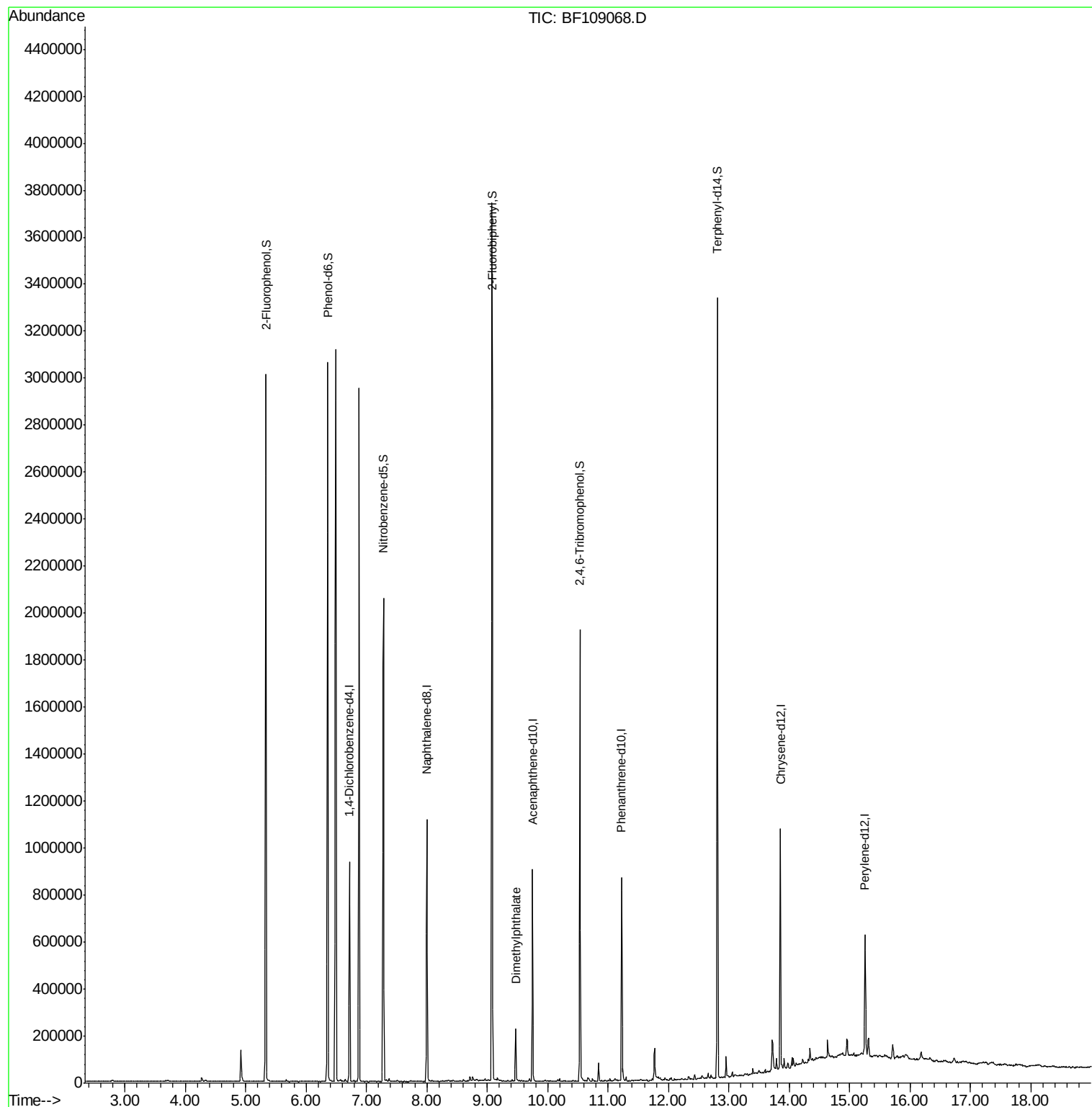
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 130492   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 447331   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 183360   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 324454   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.85 | 240  | 325947   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.25 | 264  | 223830   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 885651   | 112.72 | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 1116311  | 110.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 701834   | 88.00  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 231365   | 116.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1159066  | 99.04  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.81 | 244  | 1096722  | 79.75  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.47  | 163  | 90868    | 6.934  | ng    | 99       |

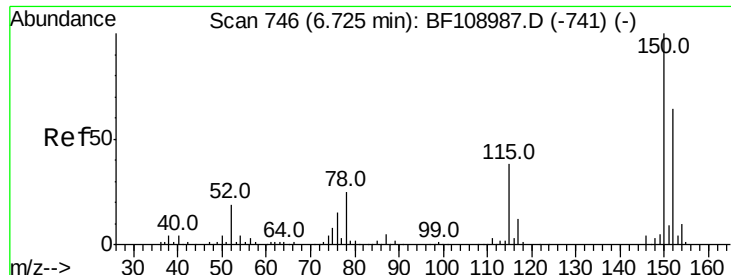
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :  
138kv-1

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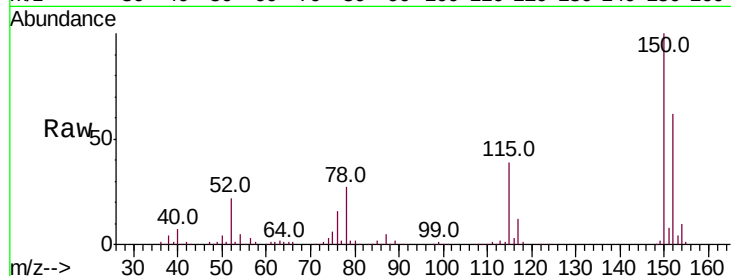


#1

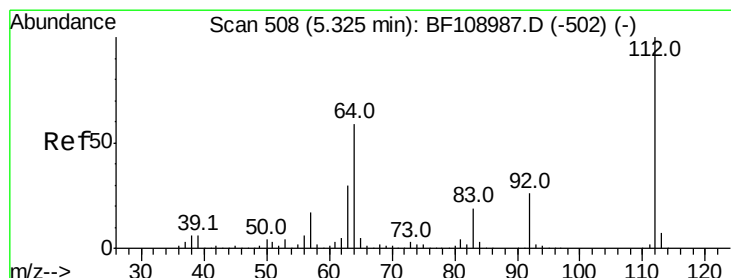
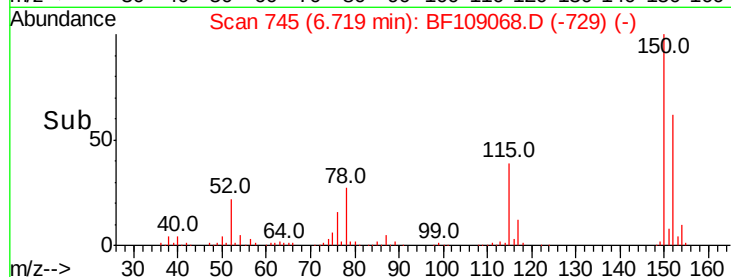
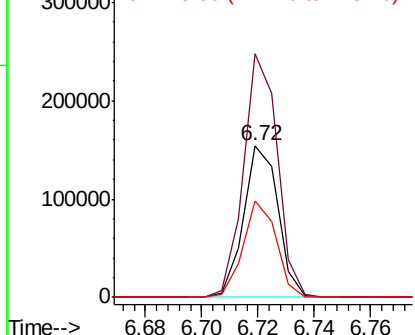
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BF109068.D  
Acq: 18 Sep 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
138kv-1

Tot Ion:152 Resp: 130492  
Ion Ratio Lower Upper  
152 100  
150 160.2 124.6 186.8  
115 63.3 50.1 75.1



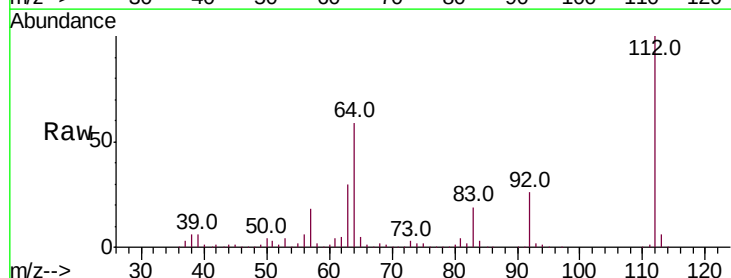
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



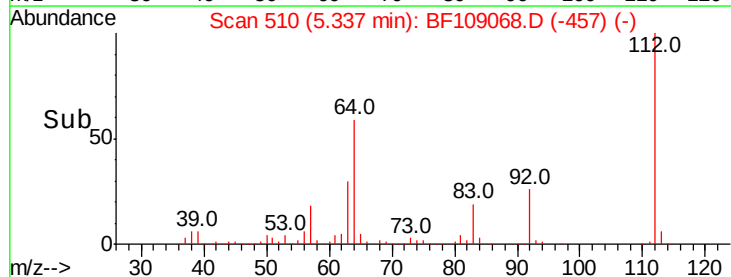
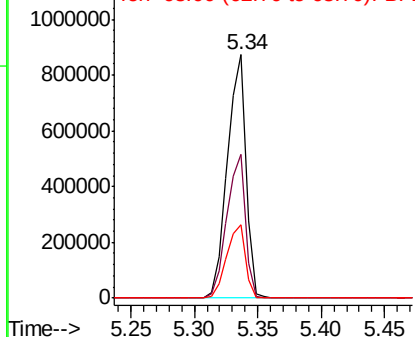
#5

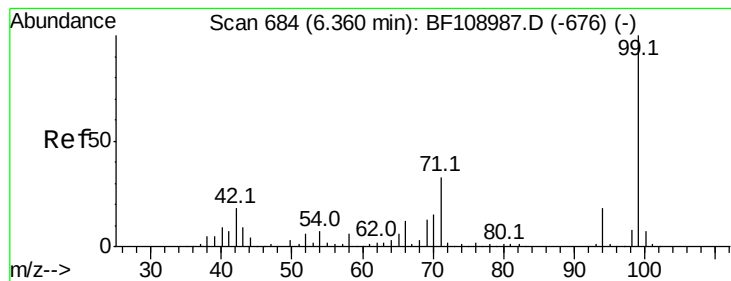
2-Fluorophenol  
Concen: 112.724 ng  
RT: 5.34 min Scan# 510  
Delta R.T. 0.01 min  
Lab File: BF109068.D  
Acq: 18 Sep 2018 1:16

Tgt Ion:112 Resp: 885651  
Ion Ratio Lower Upper  
112 100  
64 58.8 47.9 71.9  
63 30.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 110.188 ng

RT: 6.36 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

Instrument :

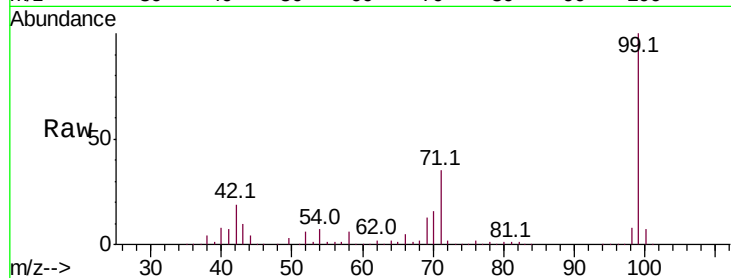
BNA\_F

ClientSampled :

138kv-1

Tot Ion: 99 Resp: 1116311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 14.5  | 21.7  |
| 71  | 35.2  | 25.4  | 38.0  |

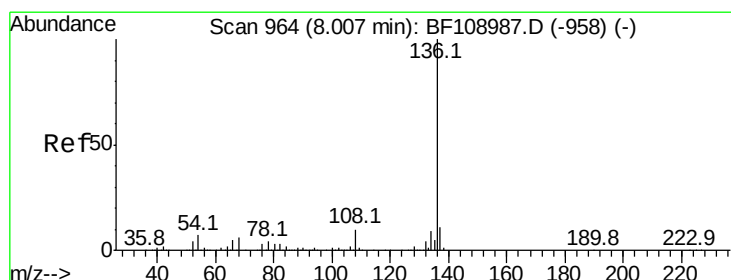
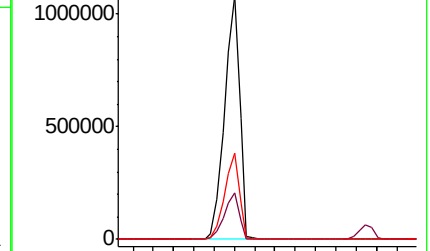
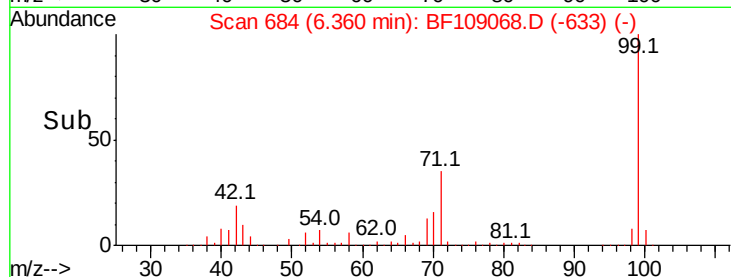


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

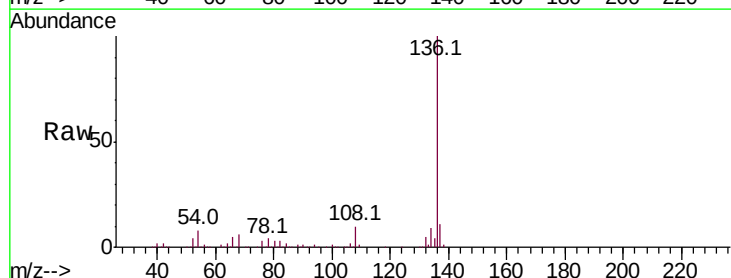
Delta R.T. -0.01 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

Tgt Ion: 136 Resp: 447331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.9   | 13.3  |
| 54  | 7.6   | 6.6   | 9.8   |
| 68  | 5.8   | 5.0   | 7.4   |



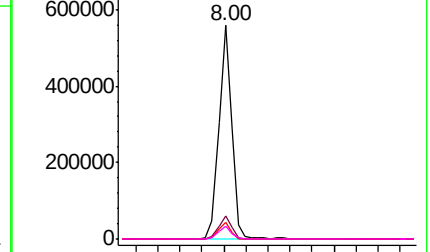
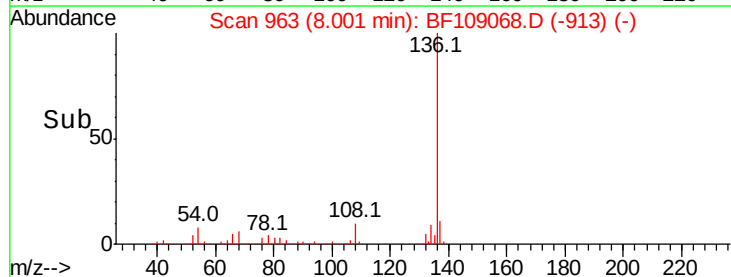
Abundance

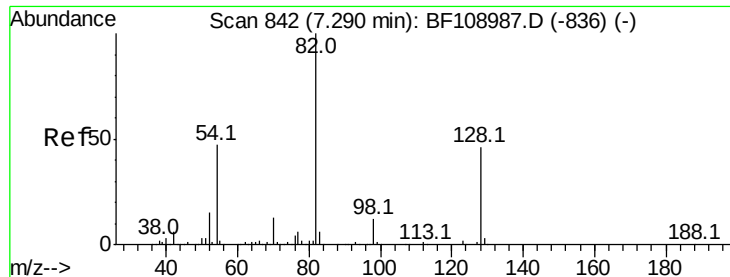
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

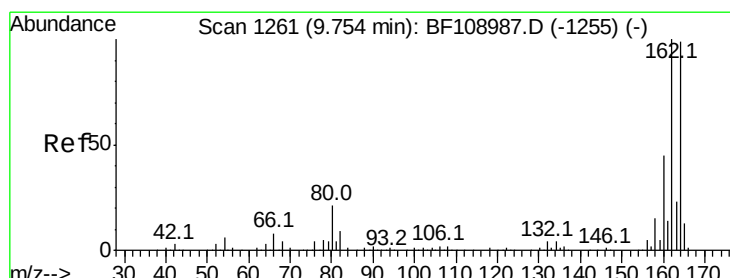
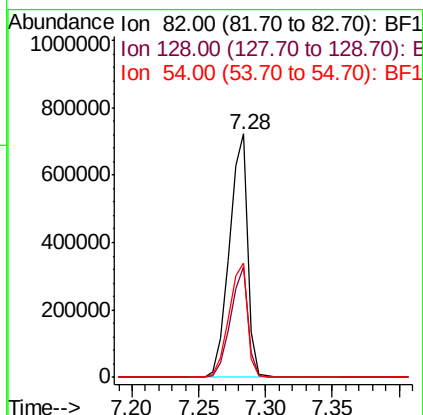
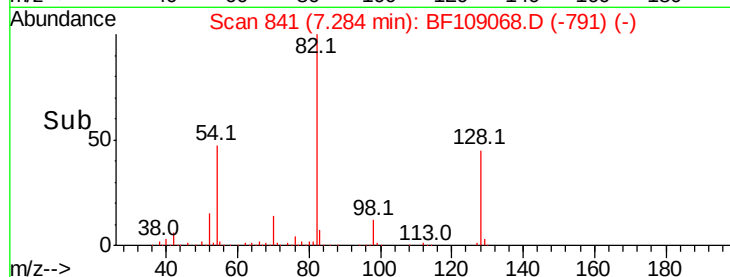
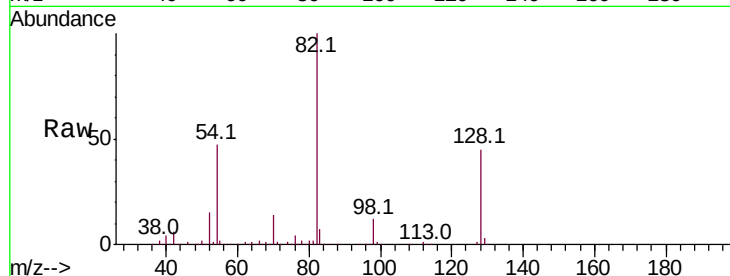




#23  
Nitrobenzene-d5  
Concen: 87.999 ng  
RT: 7.28 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BF109068.D  
Acq: 18 Sep 2018 1:16

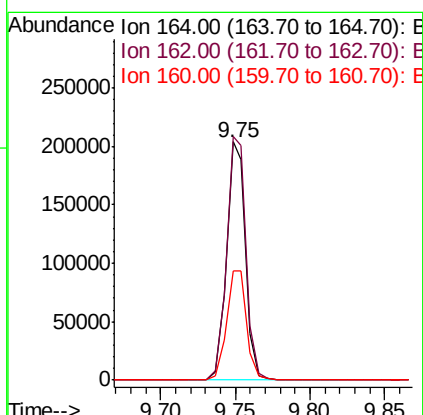
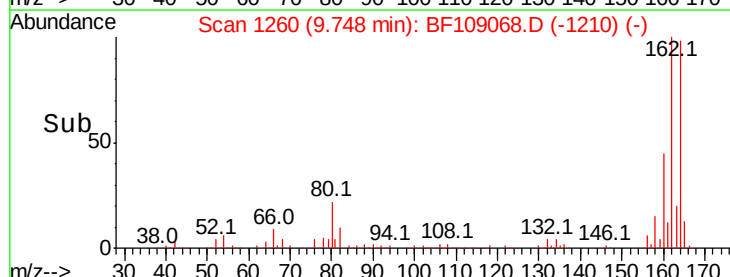
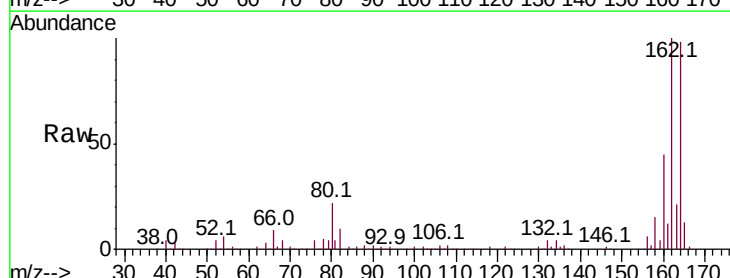
Instrument :  
BNA\_F  
ClientSampled :  
138kv-1

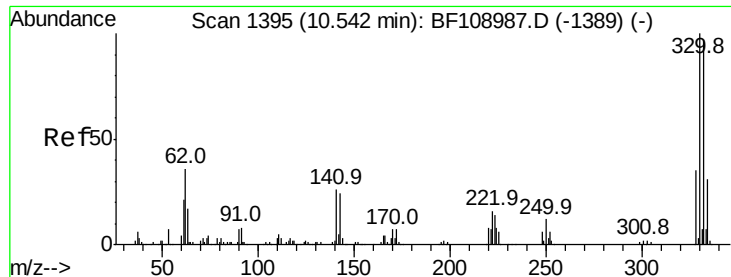
Tot Ion: 82 Resp: 701834  
Ion Ratio Lower Upper  
82 100  
128 45.4 36.1 54.1  
54 47.2 41.4 62.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: BF109068.D  
Acq: 18 Sep 2018 1:16

Tgt Ion: 164 Resp: 183360  
Ion Ratio Lower Upper  
164 100  
162 102.2 86.1 129.1  
160 46.1 38.3 57.5

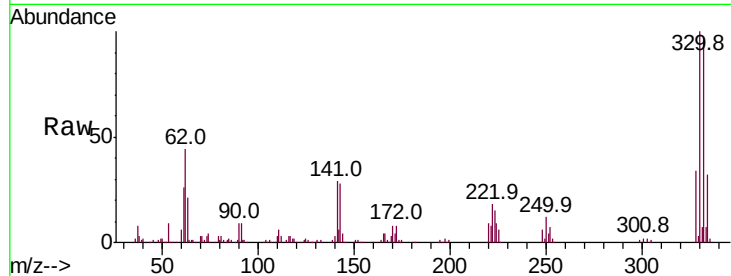




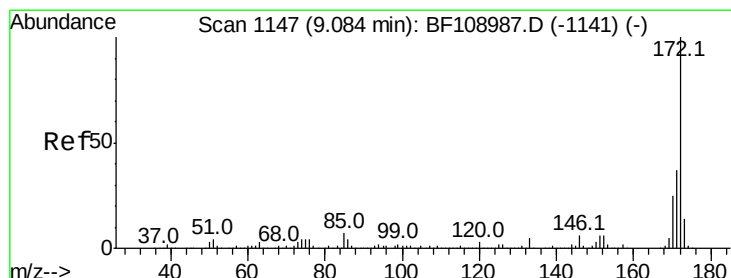
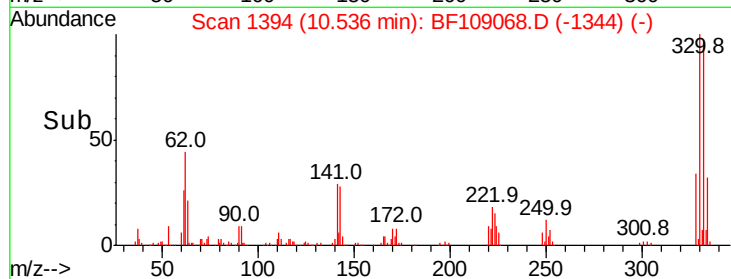
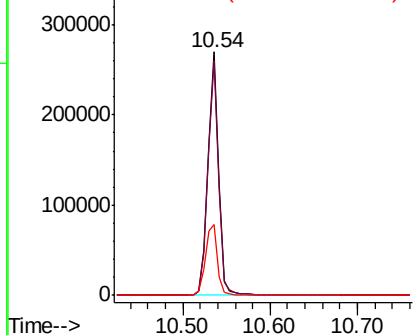
#41  
 2,4,6-Tribromophenol  
 Concen: 116.267 ng  
 RT: 10.54 min Scan# 1394  
 Delta R.T. -0.01 min  
 Lab File: BF109068.D  
 Acq: 18 Sep 2018 1:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 138kv-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 32.1  | 29.9  | 44.9  |

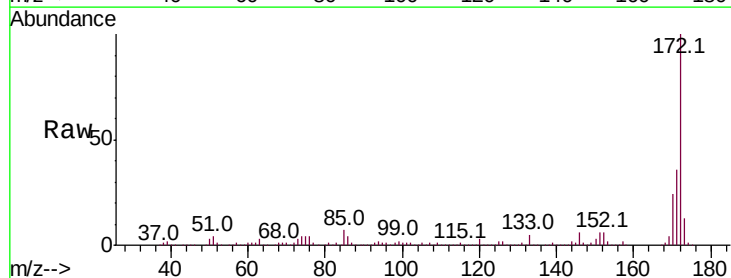


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

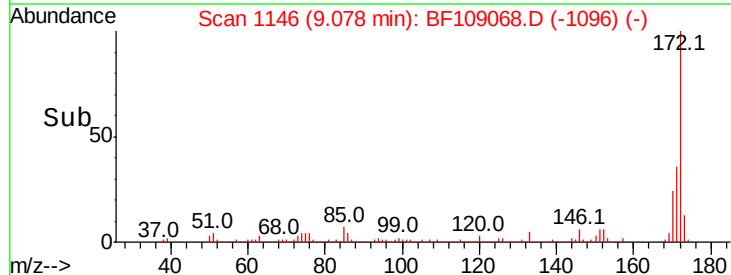
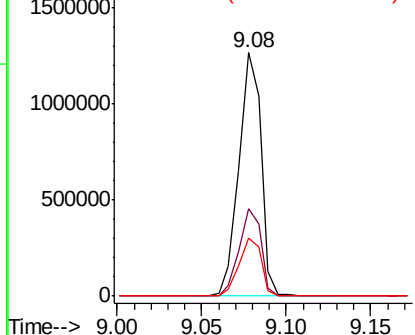


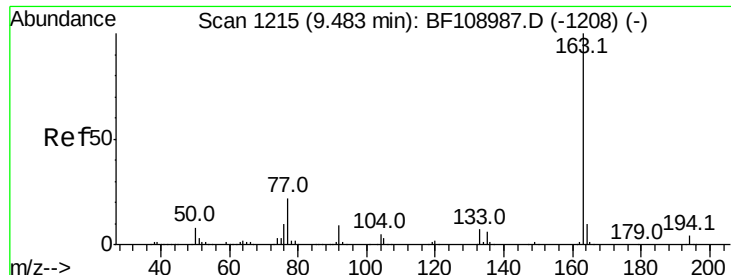
#44  
 2-Fluorobiphenyl  
 Concen: 99.037 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109068.D  
 Acq: 18 Sep 2018 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 23.7  | 19.6  | 29.4  |



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: 6.934 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

Instrument :

BNA\_F

ClientSampled :

138kv-1

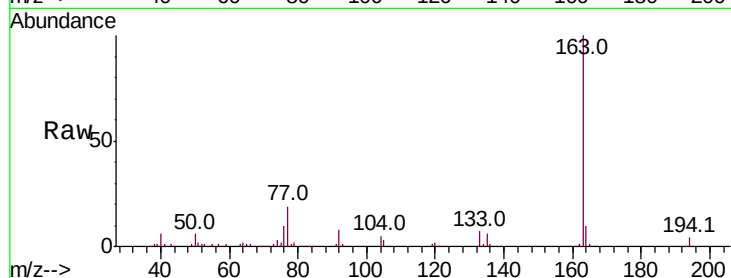
Tot Ion:163 Resp: 90868

Ion Ratio Lower Upper

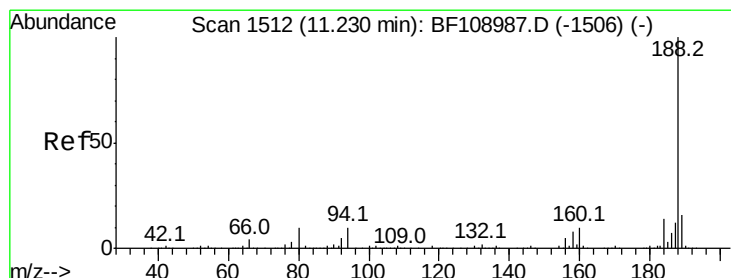
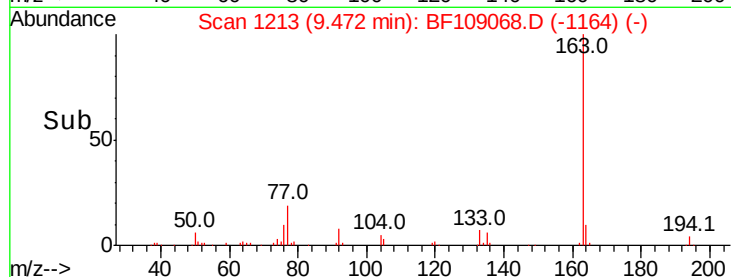
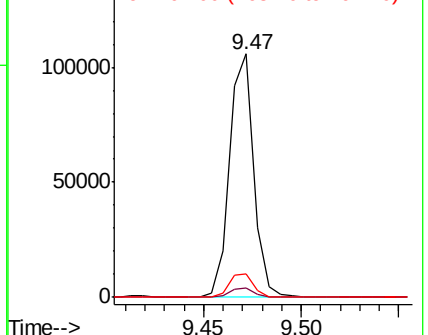
163 100

194 3.9 2.7 4.1

164 9.7 8.2 12.2



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: 20.000 ng

RT: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

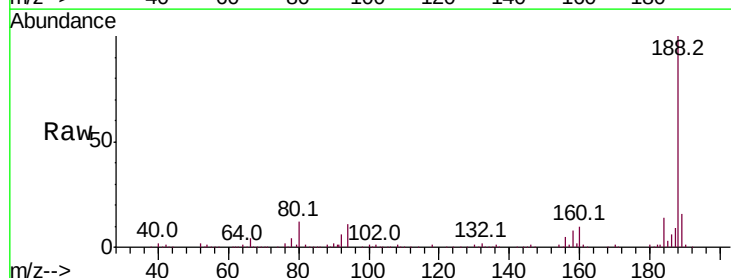
Tgt Ion:188 Resp: 324454

Ion Ratio Lower Upper

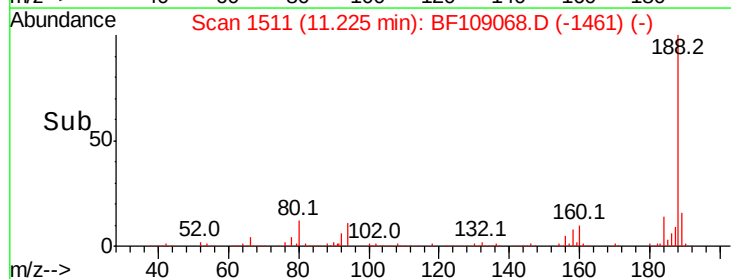
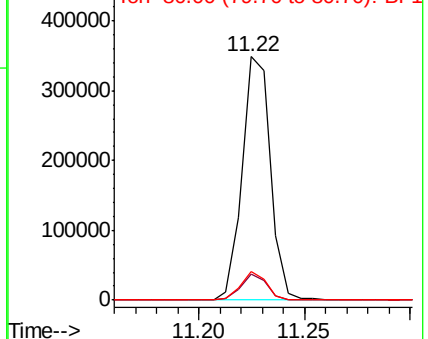
188 100

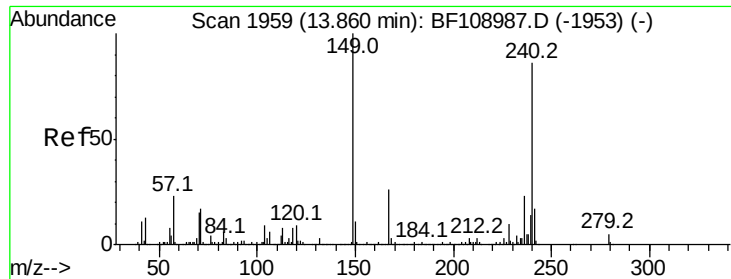
94 10.9 8.5 12.7

80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

138kv-1

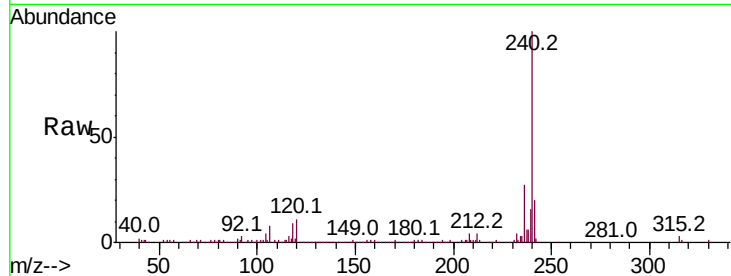
Tot Ion:240 Resp: 325947

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

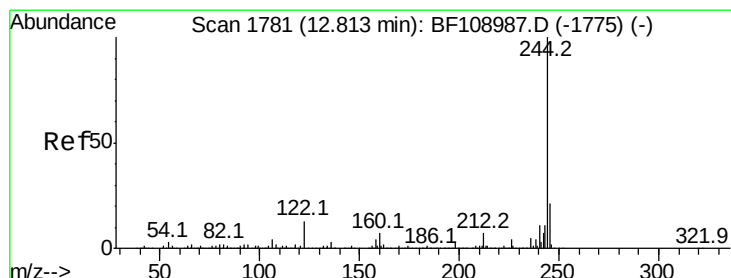
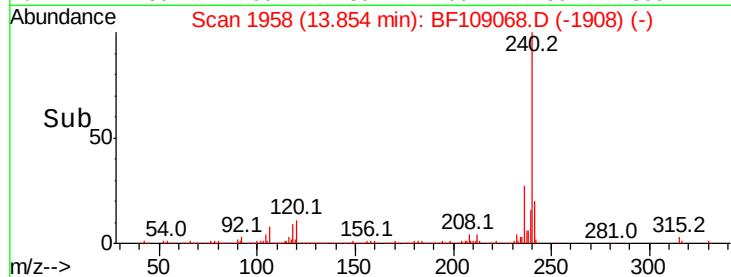
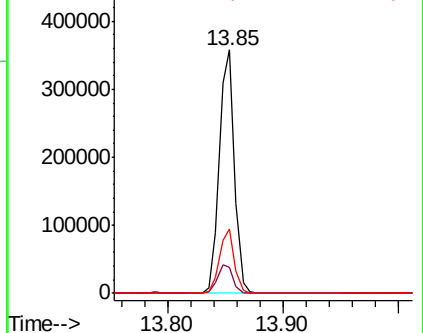
236 26.5 20.7 31.1



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: 79.753 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF109068.D

Acq: 18 Sep 2018 1:16

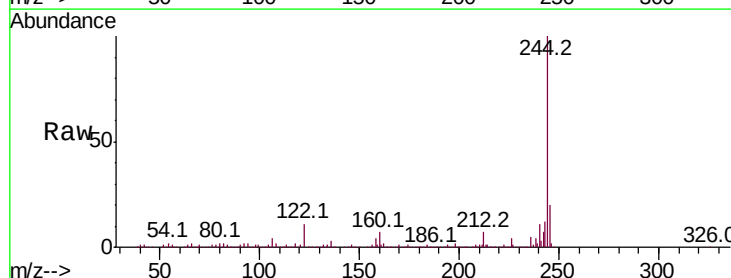
Tgt Ion:244 Resp: 1096722

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

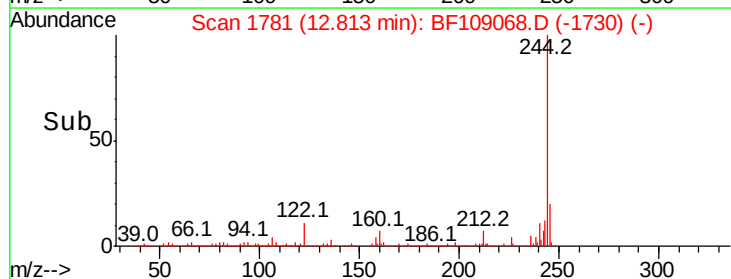
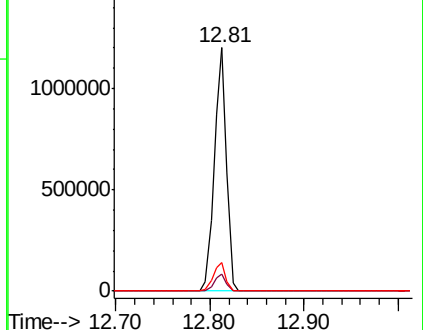
122 11.5 11.0 16.4



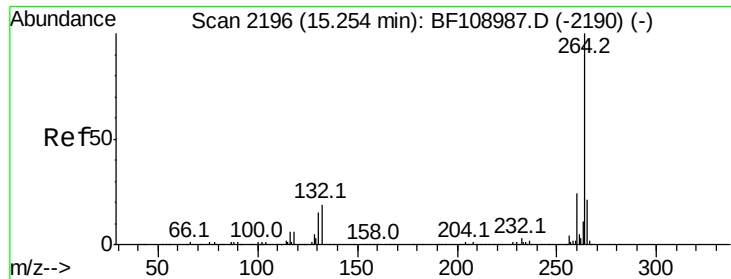
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: BF109068.D  
Acq: 18 Sep 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
138kv-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |

