

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\  
 Data File : BF109163.D  
 Acq On : 20 Sep 2018 00:06  
 Operator : JU/SJ  
 Sample : J4984-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-U-B

Quant Time: Sep 20 05:58:53 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

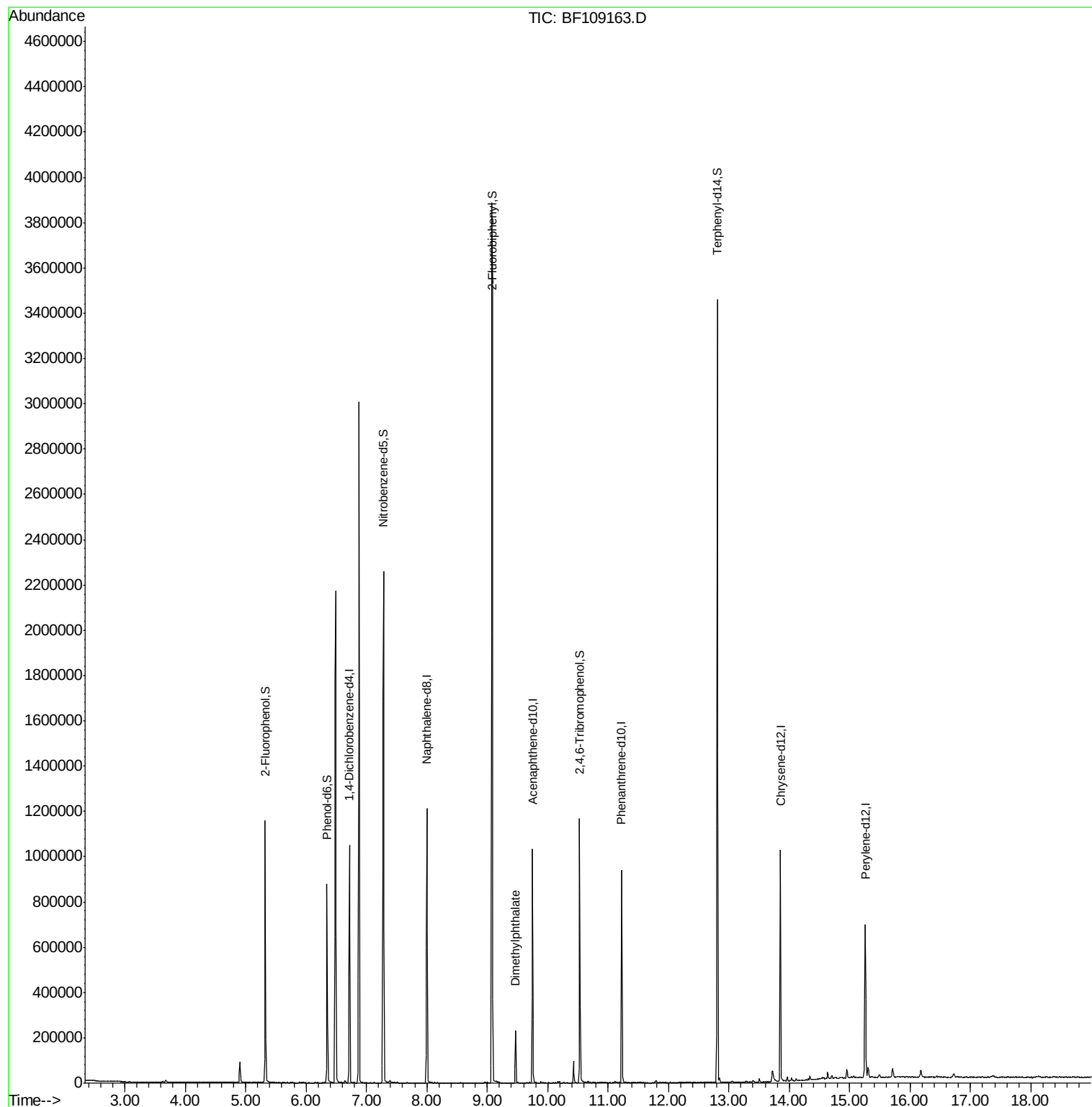
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 141026   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.00  | 136  | 493052   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.75  | 164  | 209028   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.22 | 188  | 344016   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.85 | 240  | 353855   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.26 | 264  | 318335   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.32  | 112  | 319785   | 37.66 | ng    | 0.00           |
| 7) Phenol-d6                | 6.35  | 99   | 250545   | 22.88 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 763032   | 86.80 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 154552   | 68.13 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1289581  | 96.66 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.81 | 244  | 1166278  | 78.12 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.47  | 163  | 98940    | 6.622 | ng    | Qvalue<br># 98 |

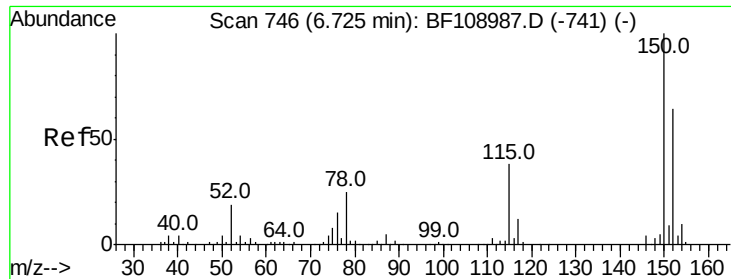
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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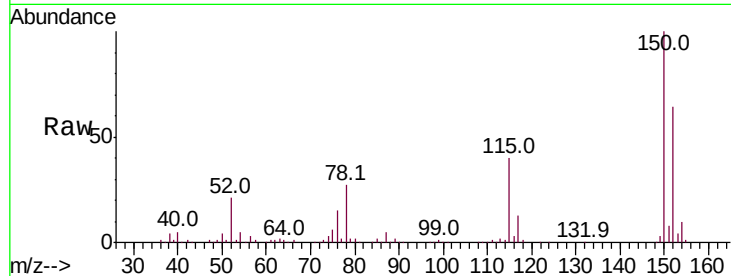


#1

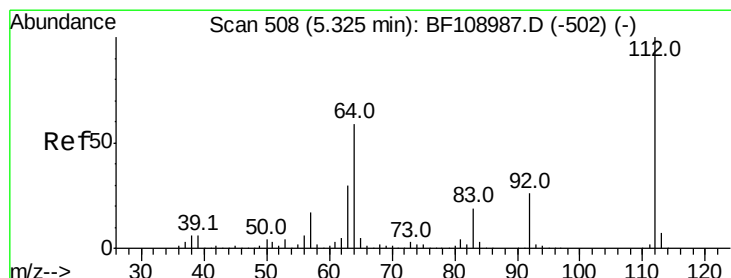
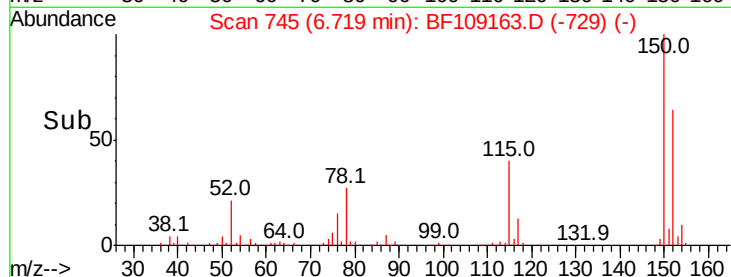
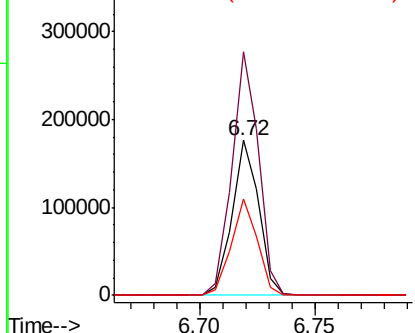
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109163.D  
 Acq: 20 Sep 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-U-B

Tot Ion:152 Resp: 141026  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 124.6 186.8  
 115 62.5 50.1 75.1



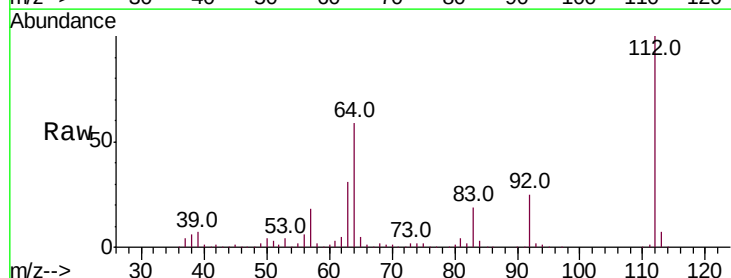
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



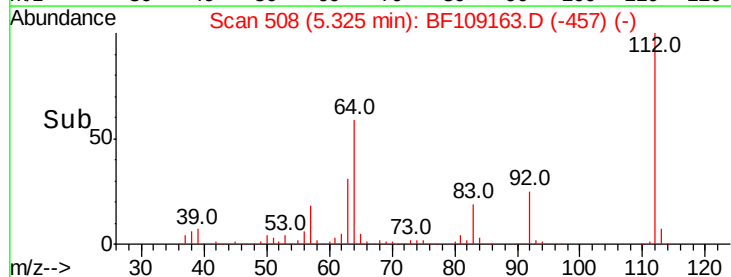
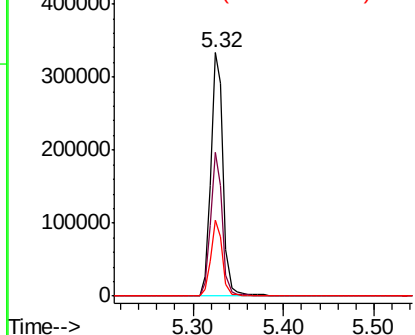
#5

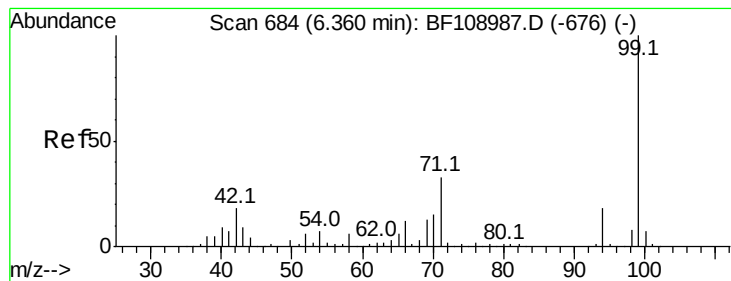
2-Fluorophenol  
 Concen: 37.662 ng  
 RT: 5.32 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: BF109163.D  
 Acq: 20 Sep 2018 00:06

Tgt Ion:112 Resp: 319785  
 Ion Ratio Lower Upper  
 112 100  
 64 59.0 47.9 71.9  
 63 31.4 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: 22.883 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109163.D

Acq: 20 Sep 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-U-B

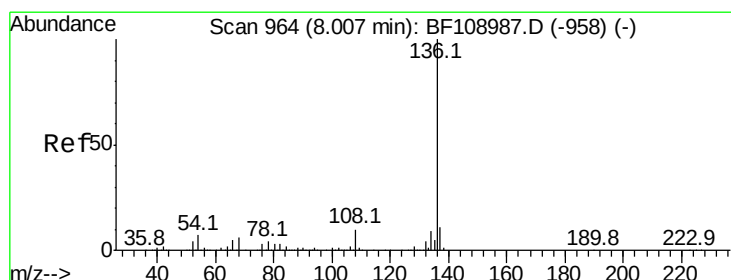
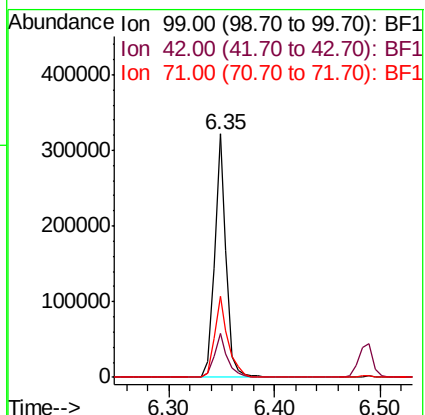
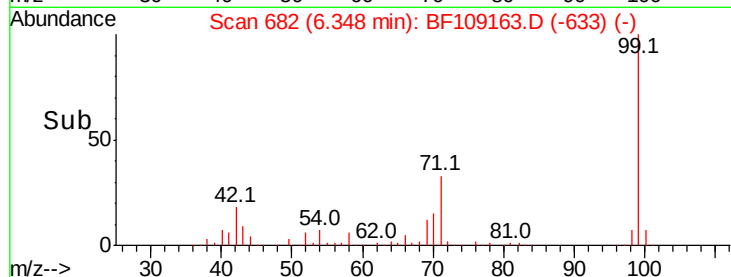
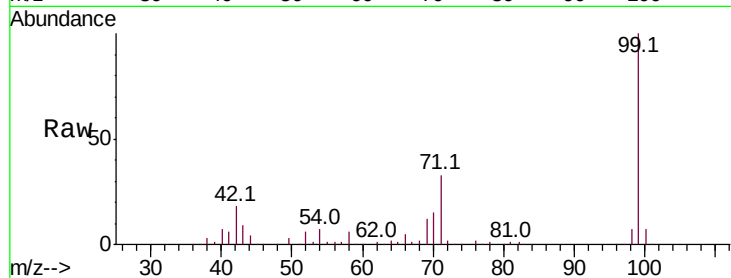
Tot Ion: 99 Resp: 250545

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 33.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109163.D

Acq: 20 Sep 2018 00:06

Tgt Ion: 136 Resp: 493052

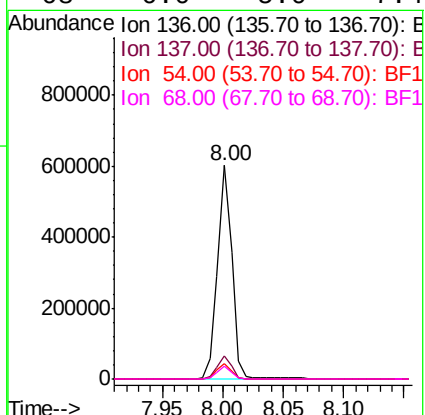
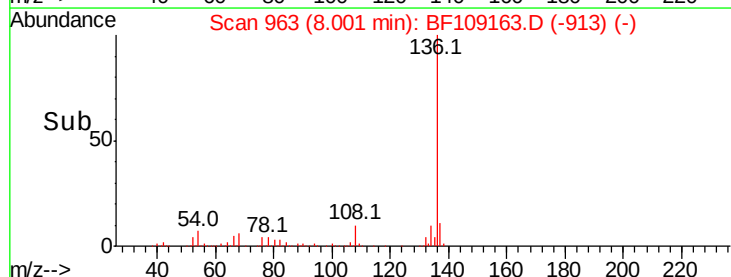
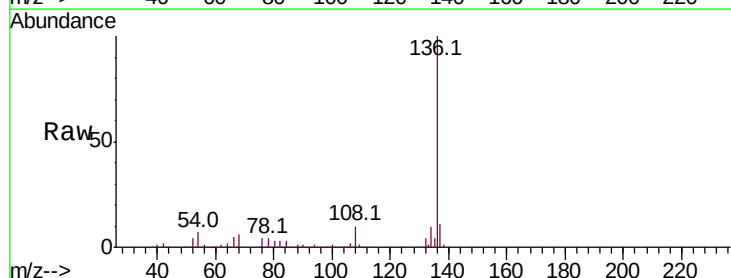
Ion Ratio Lower Upper

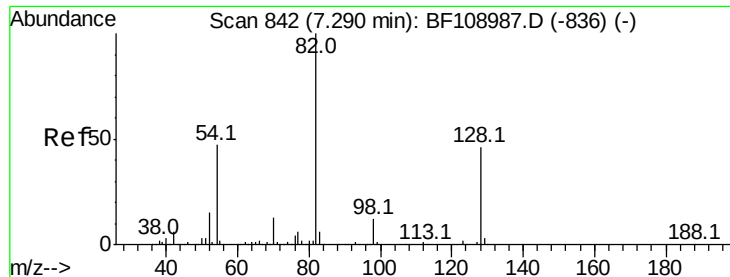
136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 6.0 5.0 7.4

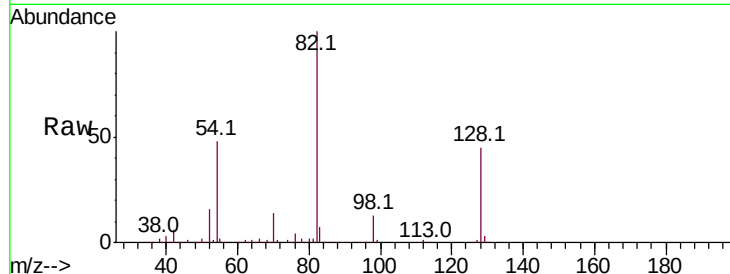




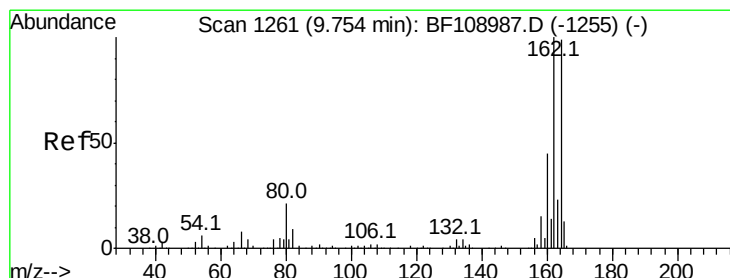
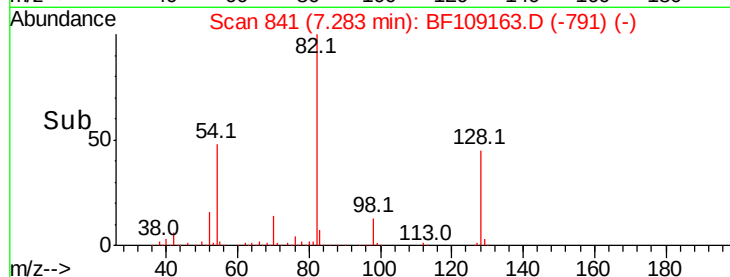
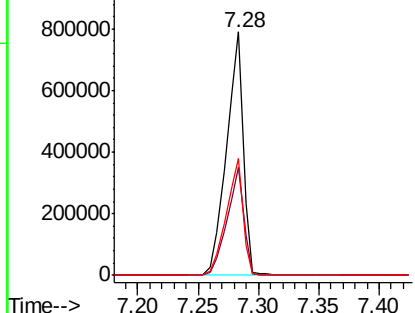
#23  
Nitrobenzene-d5  
Concen: 86.800 ng  
RT: 7.28 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BF109163.D  
Acq: 20 Sep 2018 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
091718-DBRI-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.6  | 36.1  | 54.1  |
| 54      | 47.8  | 41.4  | 62.2  |

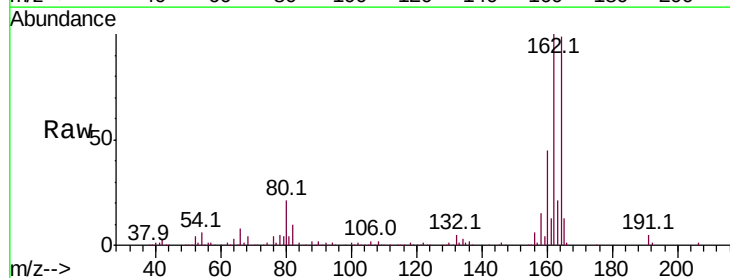


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

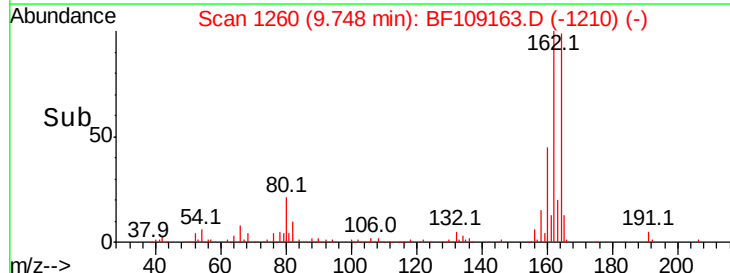
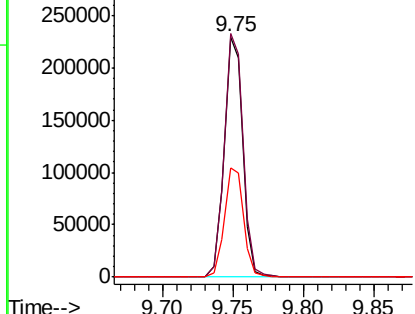


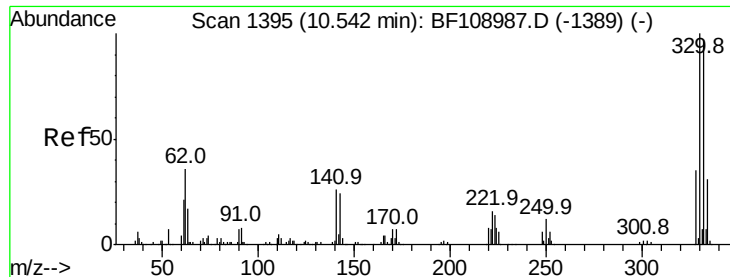
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: BF109163.D  
Acq: 20 Sep 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 86.1  | 129.1 |
| 160     | 45.5  | 38.3  | 57.5  |



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

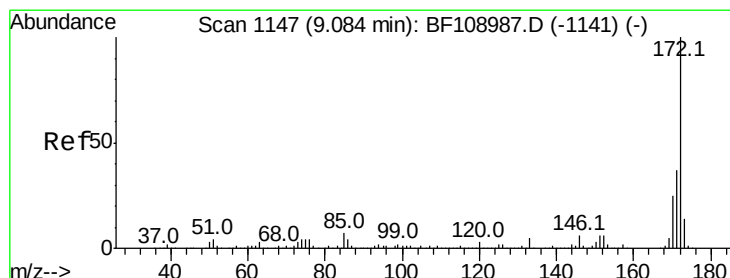
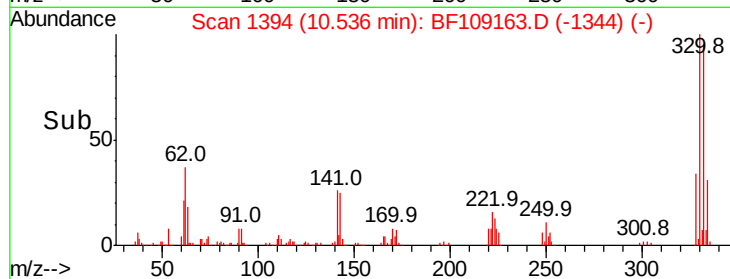
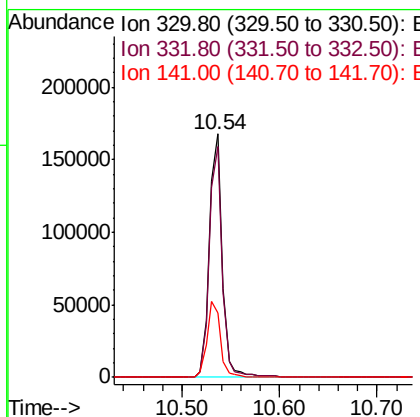
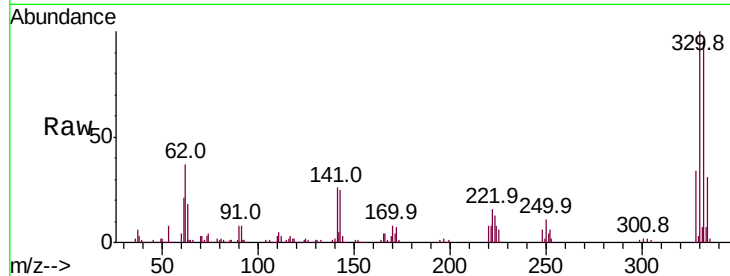




#41  
 2,4,6-Tribromophenol  
 Concen: 68.129 ng  
 RT: 10.54 min Scan# 1394  
 Delta R.T. -0.01 min  
 Lab File: BF109163.D  
 Acq: 20 Sep 2018 00:06

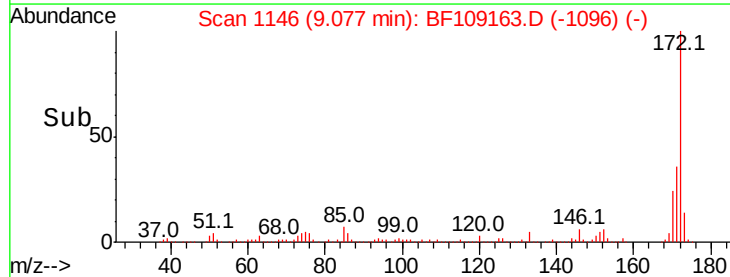
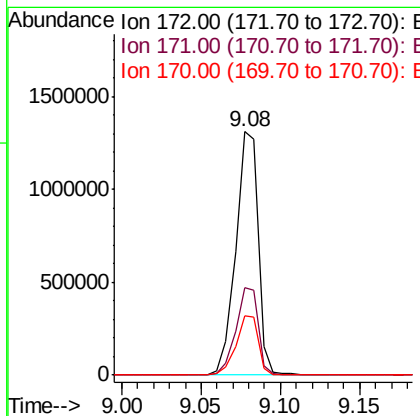
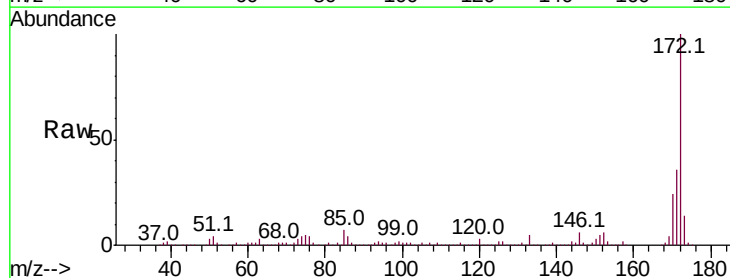
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-U-B

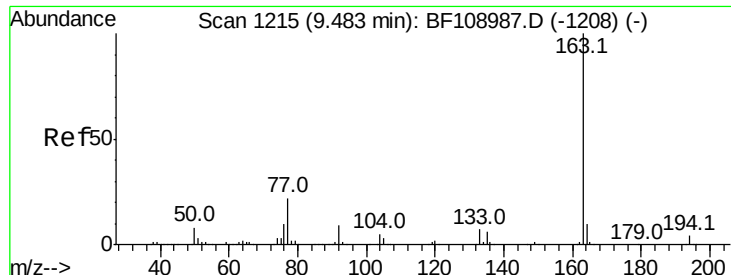
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.0  | 115.6 |
| 141     | 32.2  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 96.658 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109163.D  
 Acq: 20 Sep 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 6.622 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109163.D

Acq: 20 Sep 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-U-B

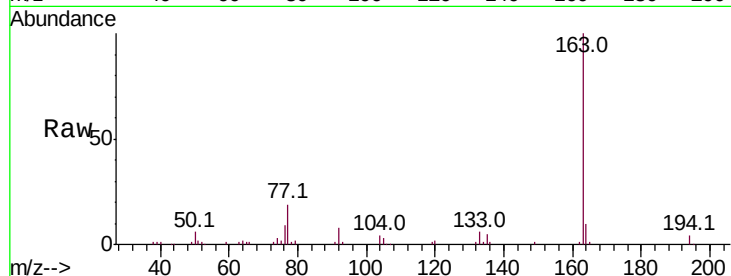
Tot Ion:163 Resp: 98940

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

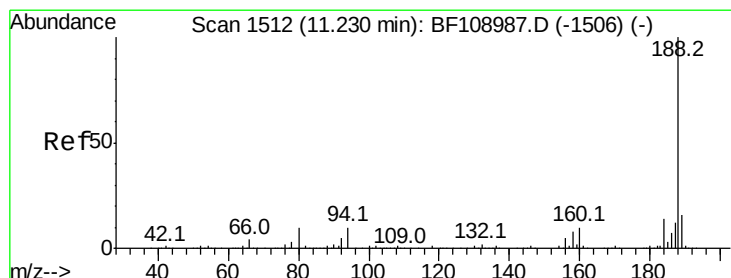
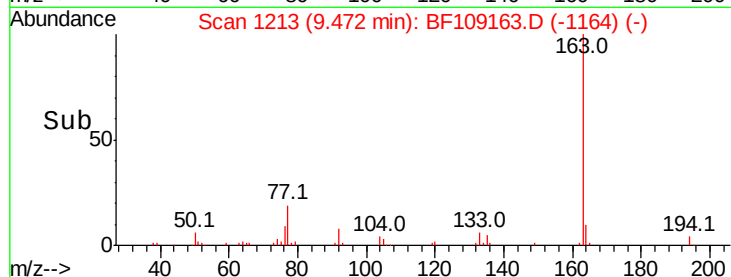
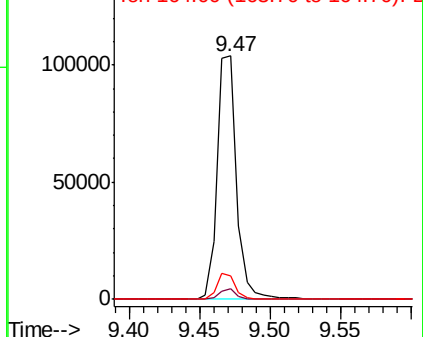
164 9.8 8.2 12.2



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: BF109163.D

Acq: 20 Sep 2018 00:06

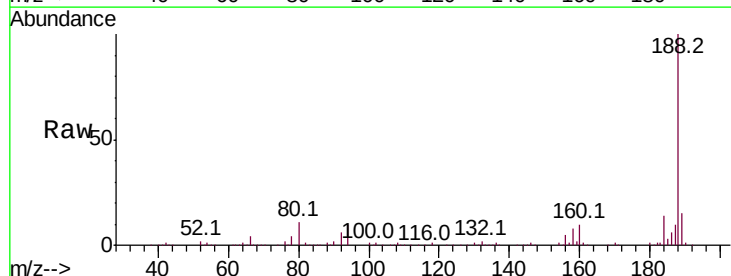
Tgt Ion:188 Resp: 344016

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

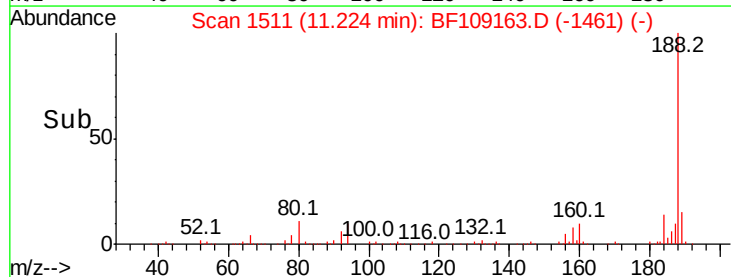
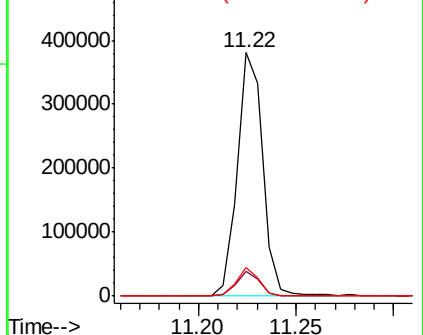
80 11.5 9.2 13.8

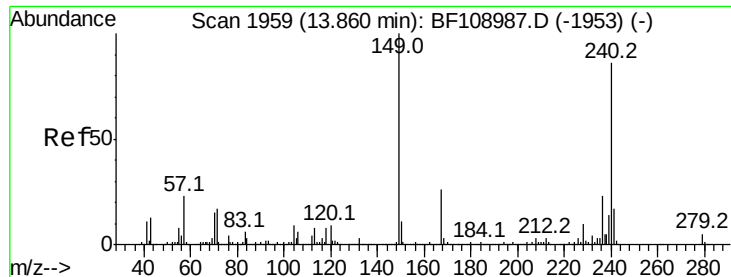


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF109163.D

Acq: 20 Sep 2018 00:06

Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-U-B

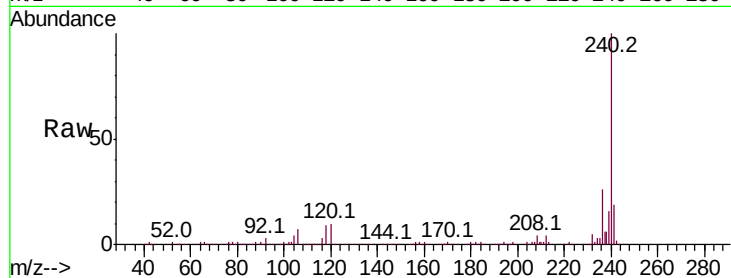
Tot Ion:240 Resp: 353855

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

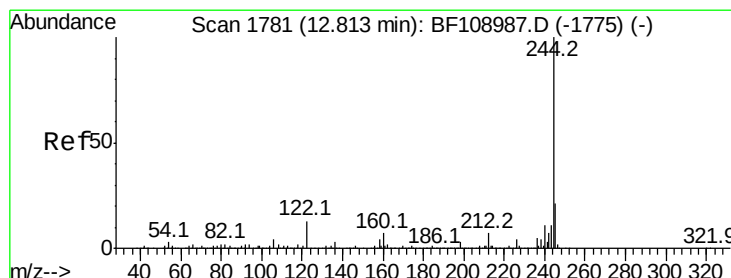
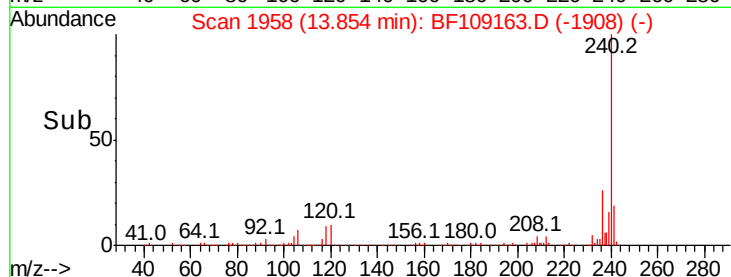
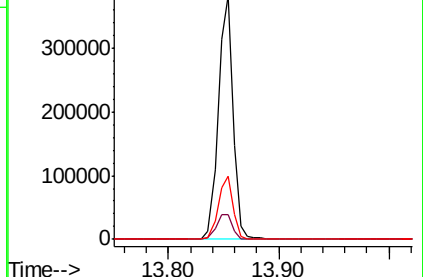
236 25.8 20.7 31.1



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: 78.122 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109163.D

Acq: 20 Sep 2018 00:06

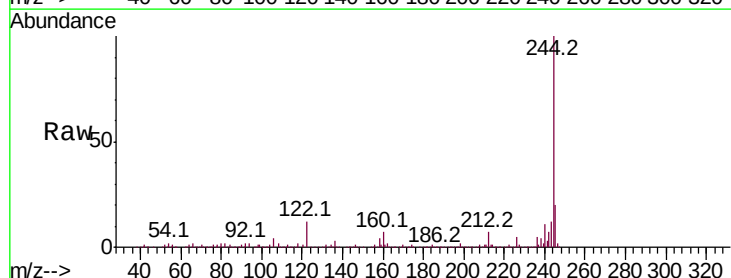
Tgt Ion:244 Resp: 1166278

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

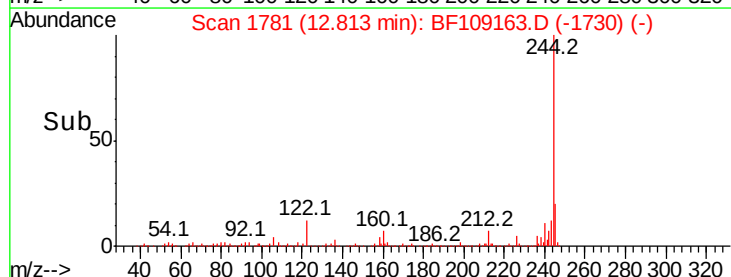
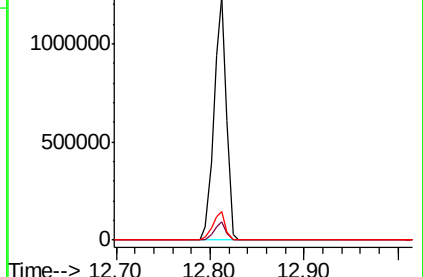
122 11.7 11.0 16.4



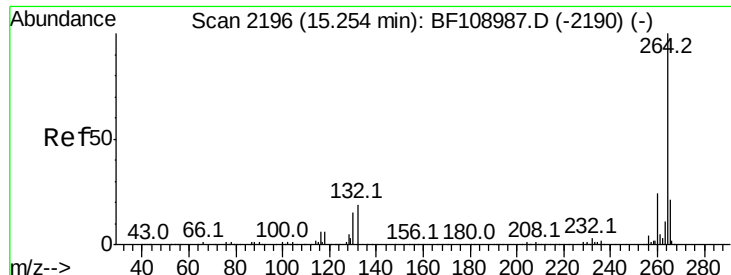
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



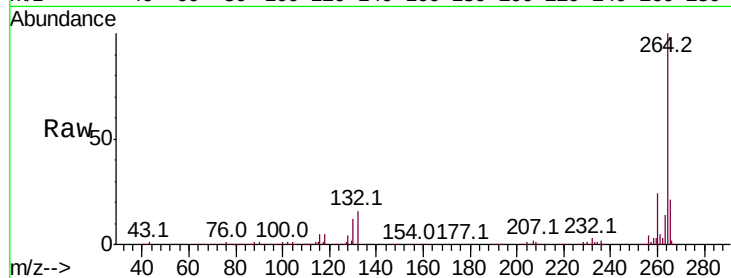




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.26 min Scan# 2197  
 Delta R.T. 0.01 min  
 Lab File: BF109163.D  
 Acq: 20 Sep 2018 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 21.1  | 17.5  | 26.3  |



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

