

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\  
 Data File : BF109316.D  
 Acq On : 26 Sep 2018 5:11  
 Operator : JU/SJ  
 Sample : J5052-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-DBRI-E-D-B

Quant Time: Sep 26 08:34:47 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

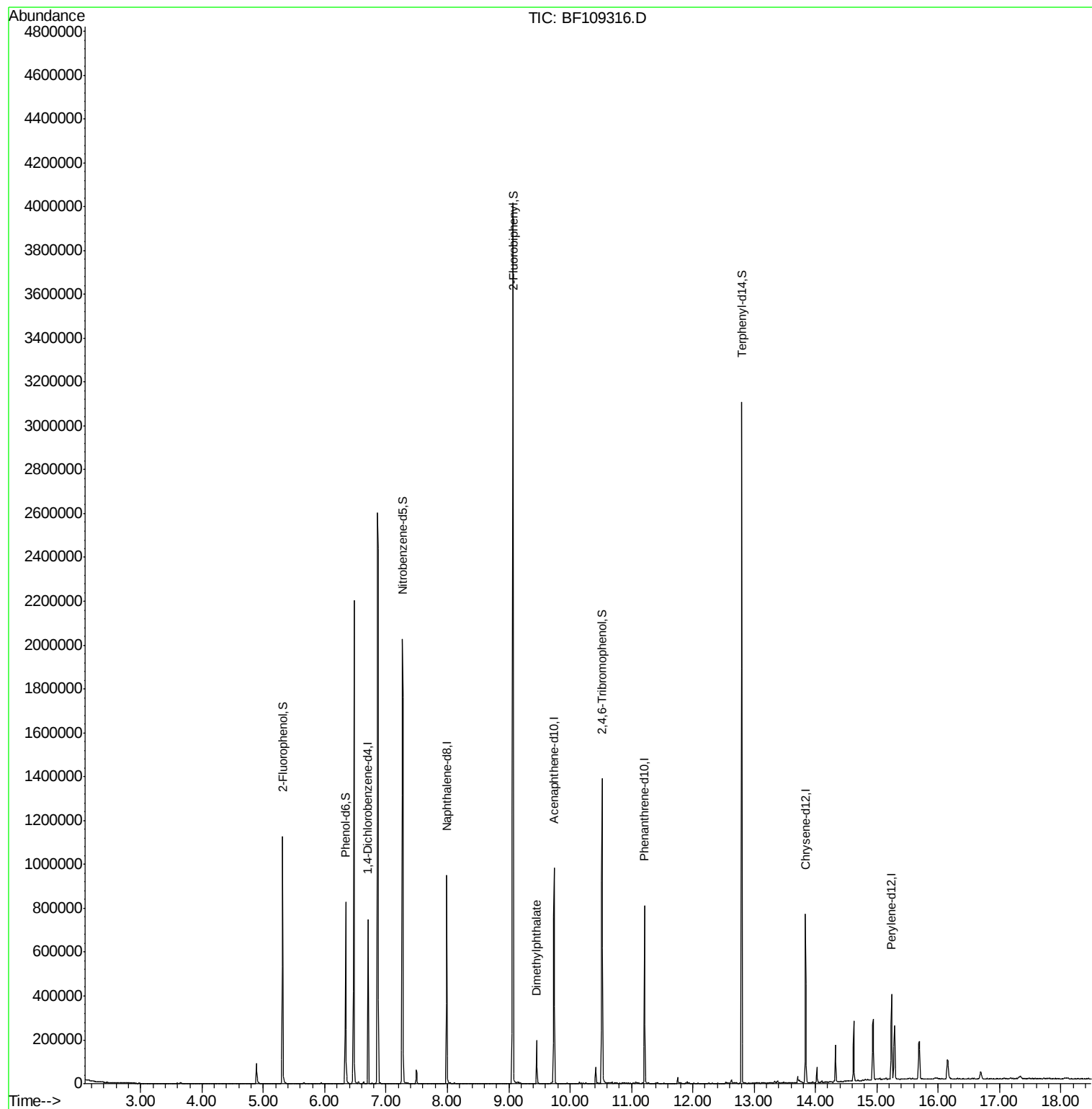
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 110621   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 7.99  | 136  | 404209   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.74  | 164  | 175462   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.22 | 188  | 285663   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.84 | 240  | 248797   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.24 | 264  | 179213   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.31  | 112  | 300604   | 44.76  | ng    | 0.00      |
| 7) Phenol-d6                | 6.34  | 99   | 265376   | 30.97  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 749018   | 109.39 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 157344   | 90.97  | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1196066  | 102.81 | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.80 | 244  | 1061694  | 104.73 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.46  | 163  | 74308    | 5.823  | ng    | Qvalue 97 |

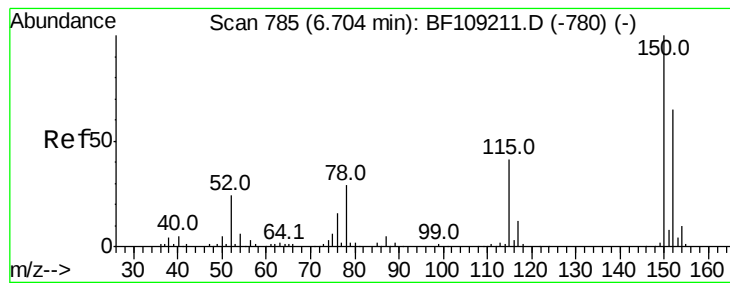
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\  
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BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 22 13:32:18 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

Instrument :

BNA\_F

ClientSampleId :

092018-DBRI-E-D-B

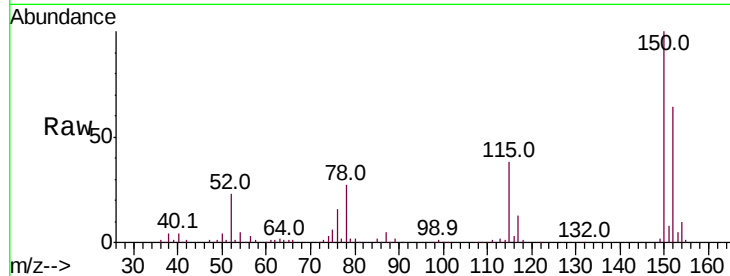
Tot Ion:152 Resp: 110621

Ion Ratio Lower Upper

152 100

150 157.2 124.6 186.8

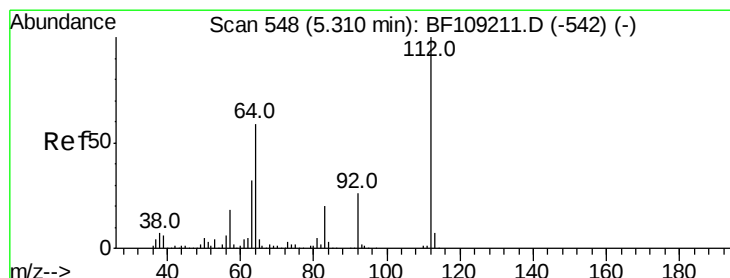
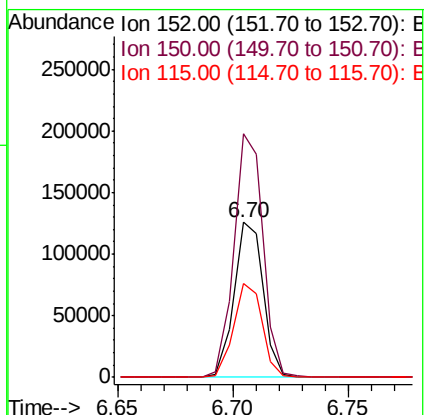
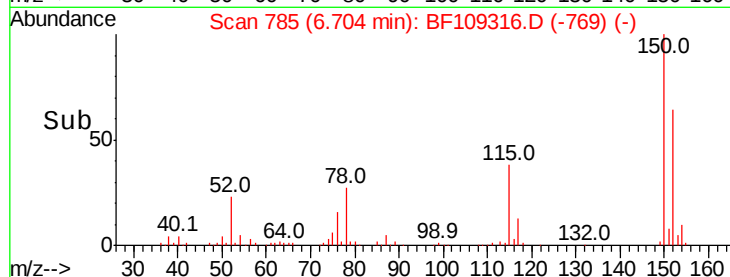
115 60.2 50.1 75.1



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: 44.758 ng

RT: 5.31 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

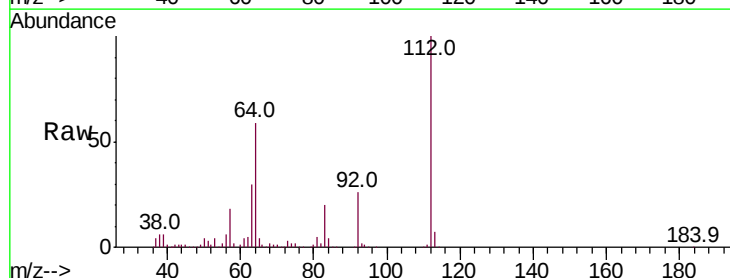
Tgt Ion:112 Resp: 300604

Ion Ratio Lower Upper

112 100

64 58.8 47.9 71.9

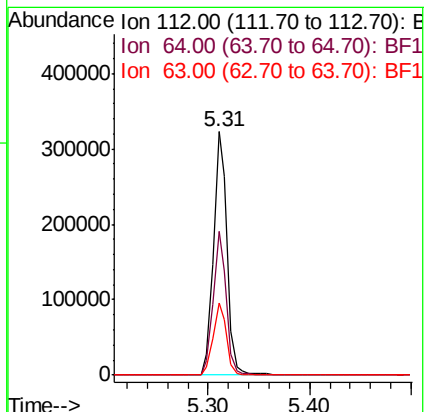
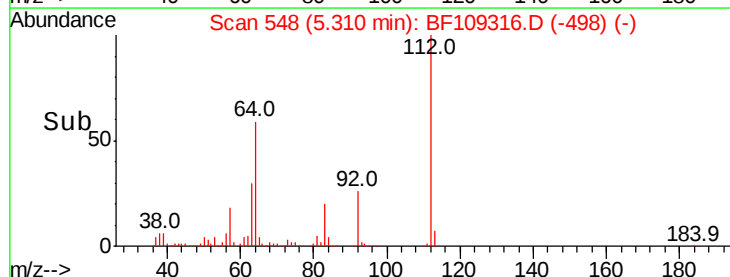
63 29.8 23.7 35.5



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: 30.965 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

Instrument :

BNA\_F

ClientSampleId :

092018-DBRI-E-D-B

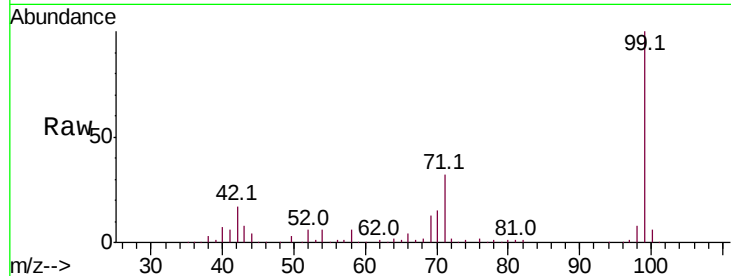
Tot Ion: 99 Resp: 265376

Ion Ratio Lower Upper

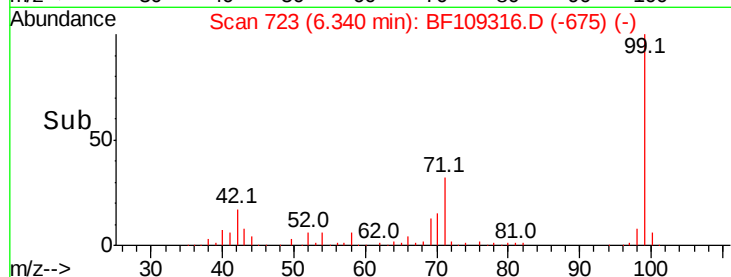
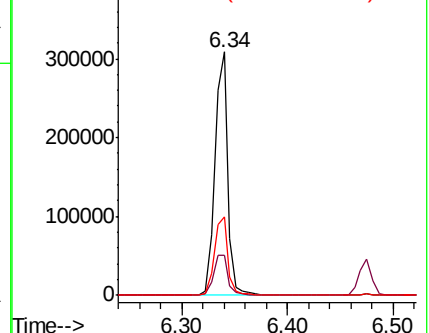
99 100

42 16.6 14.5 21.7

71 32.3 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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

Tgt Ion: 136 Resp: 404209

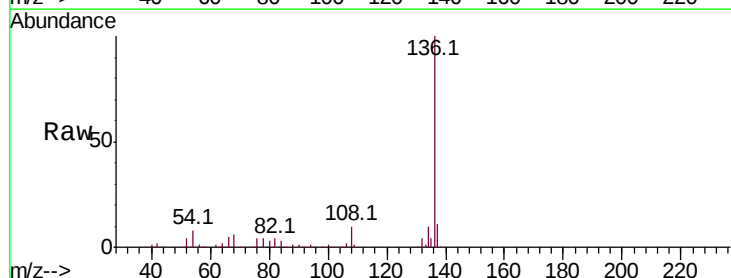
Ion Ratio Lower Upper

136 100

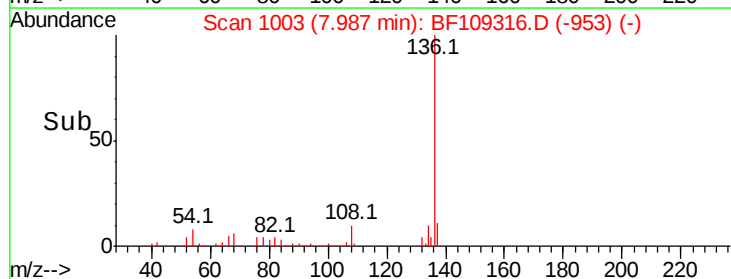
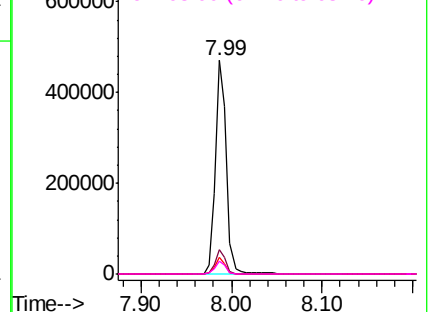
137 11.1 8.9 13.3

54 7.7 6.6 9.8

68 6.2 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

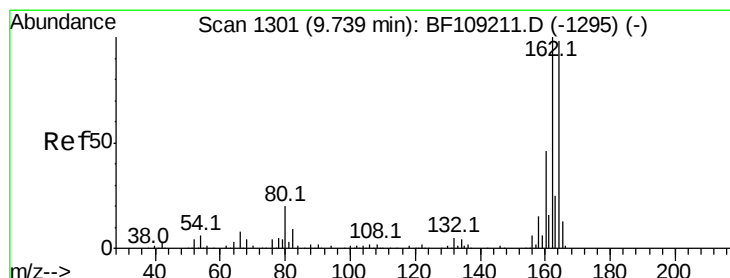
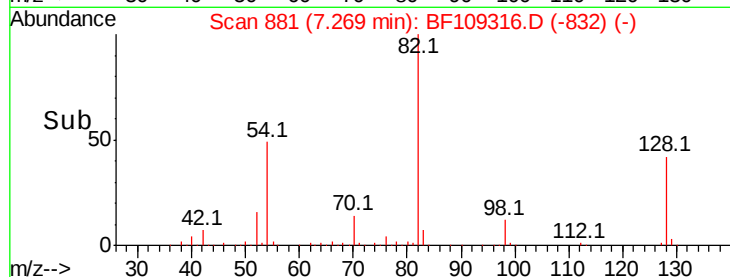
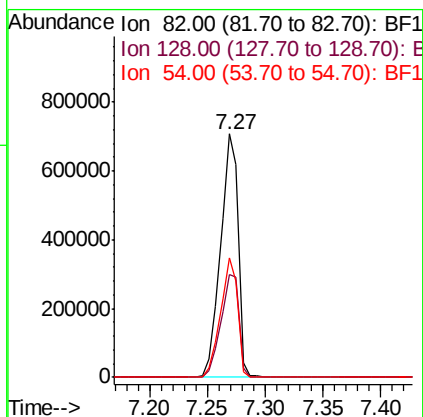
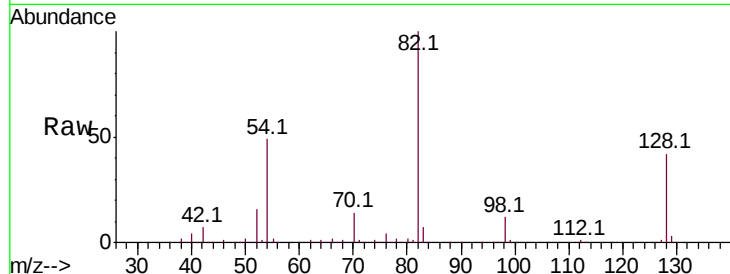




#23  
 Nitrobenzene-d5  
 Concen: 109.388 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109316.D  
 Acq: 26 Sep 2018 5:11

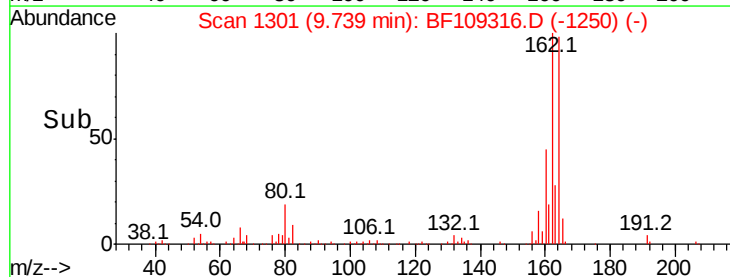
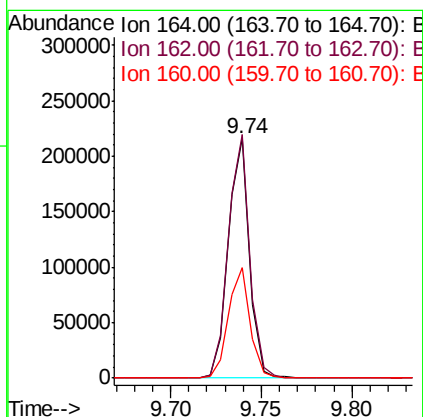
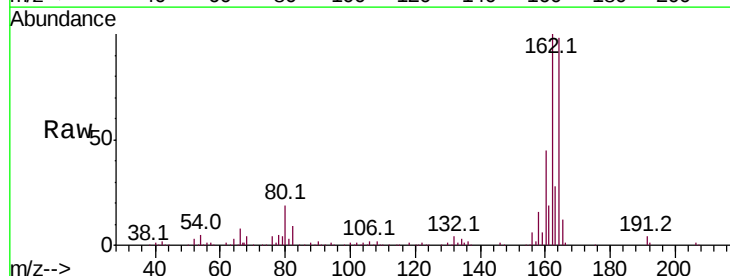
Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-DBRI-E-D-B

| Tot Ion   | 82    | Resp  | 749018 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.4  | 36.1  | 54.1   |
| 54        | 49.3  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. 0.00 min  
 Lab File: BF109316.D  
 Acq: 26 Sep 2018 5:11

| Tgt Ion   | 164   | Resp  | 175462 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 86.1  | 129.1  |
| 160       | 46.0  | 38.3  | 57.5   |

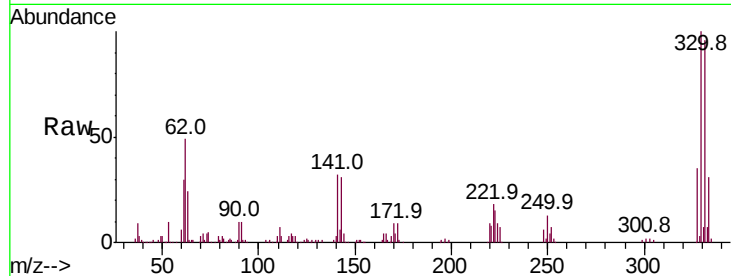




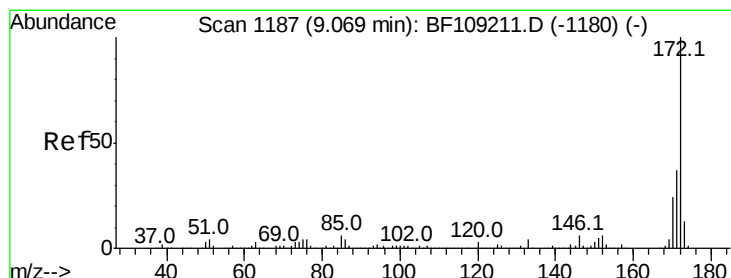
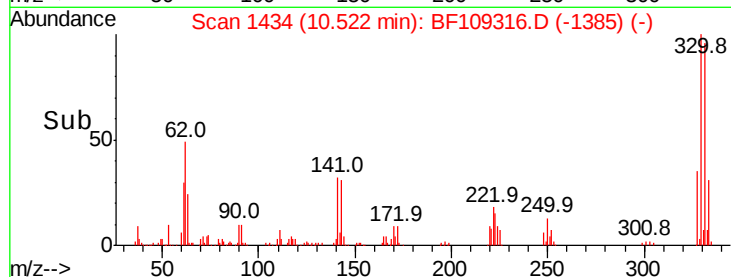
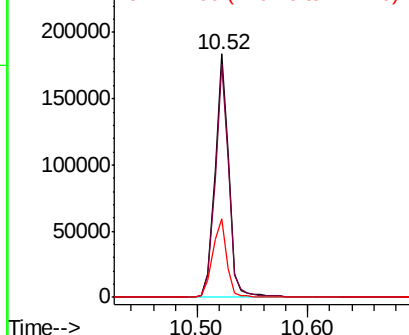
#41  
 2,4,6-Tribromophenol  
 Concen: 90.967 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109316.D  
 Acq: 26 Sep 2018 5:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-DBRI-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.0  | 115.6 |
| 141     | 32.9  | 29.9  | 44.9  |

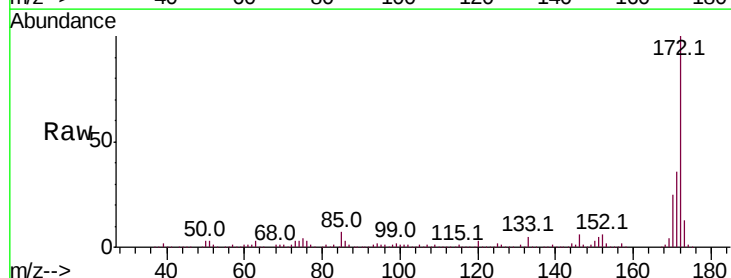


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

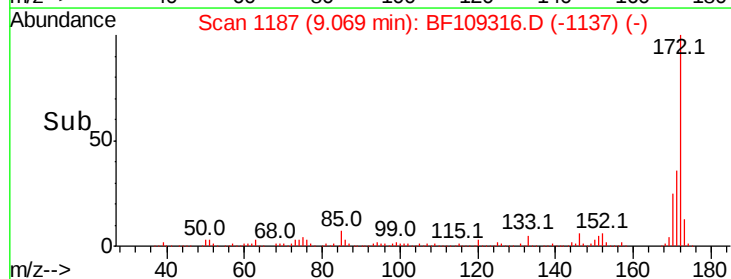
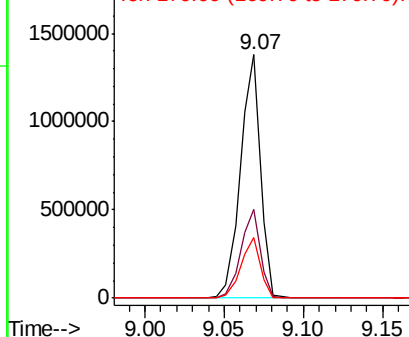


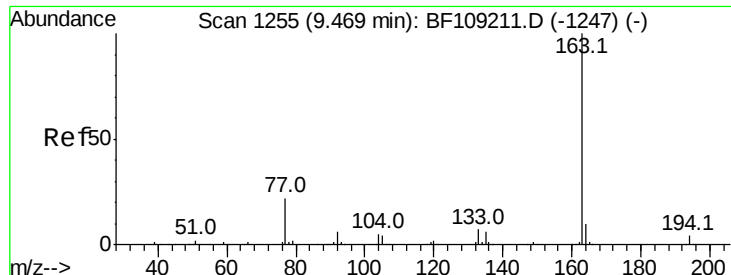
#44  
 2-Fluorobiphenyl  
 Concen: 102.808 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF109316.D  
 Acq: 26 Sep 2018 5:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.8  | 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

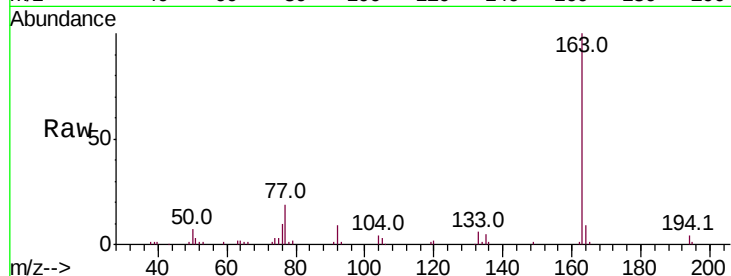




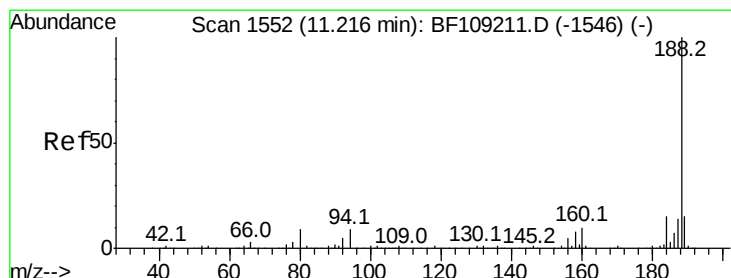
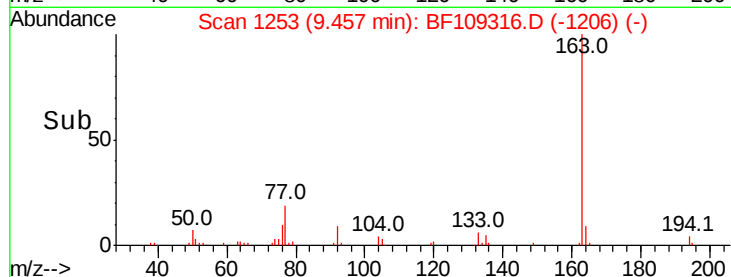
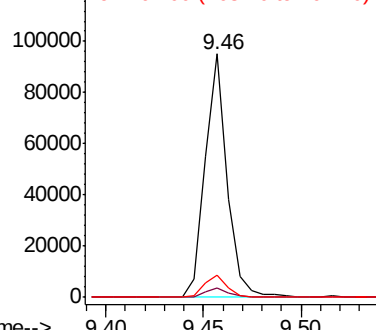
#49  
Dimethylphthalate  
Concen: 5.823 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF109316.D  
Acq: 26 Sep 2018 5:11

Instrument :  
BNA\_F  
ClientSampleId :  
092018-DBRI-E-D-B

Tot Ion:163 Resp: 74308  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.1 8.2 12.2

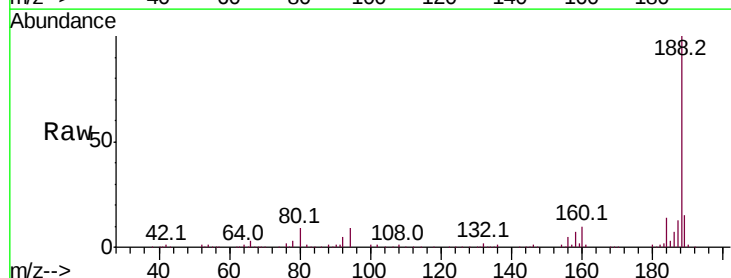


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

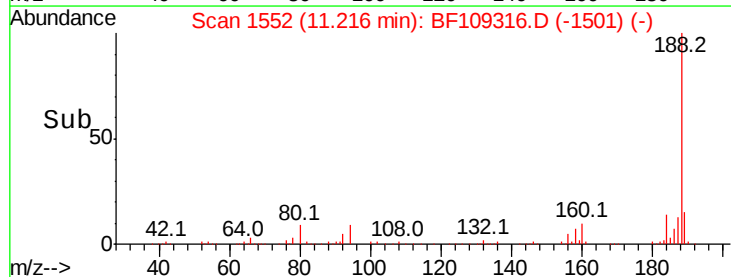
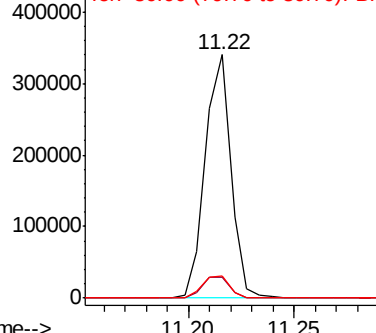


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. 0.00 min  
Lab File: BF109316.D  
Acq: 26 Sep 2018 5:11

Tgt Ion:188 Resp: 285663  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 9.0 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

Instrument :

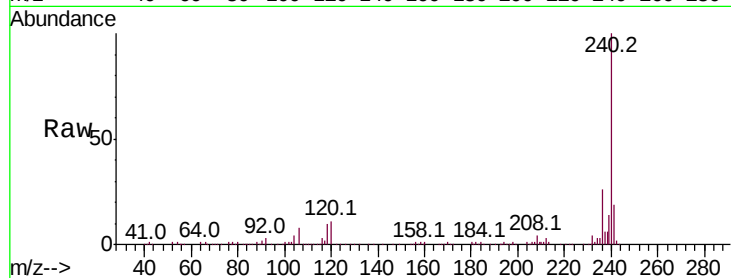
BNA\_F

ClientSampleId :

092018-DBRI-E-D-B

Tot Ion:240 Resp: 248797

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 11.4  | 9.5   | 14.3  |
| 236 | 25.5  | 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

300000

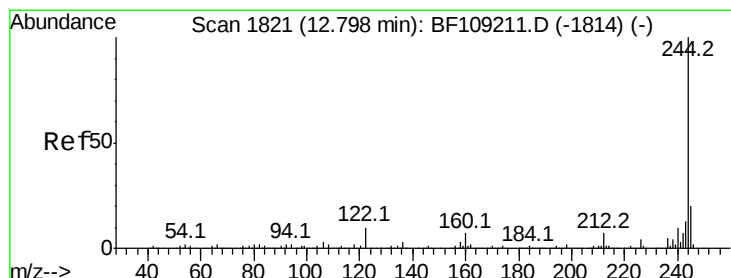
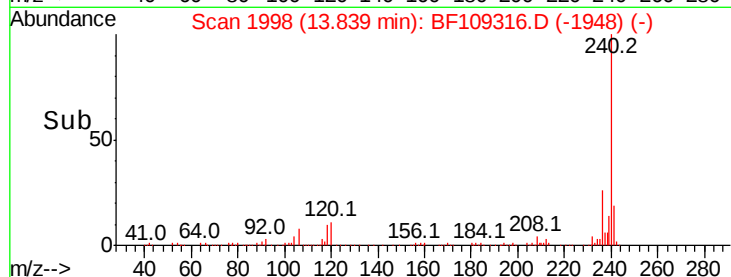
13.84

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 104.727 ng

RT: 12.80 min Scan# 1821

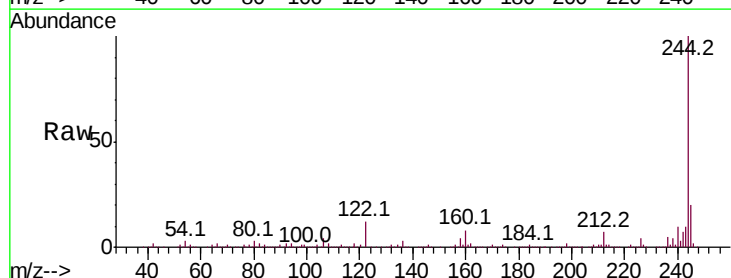
Delta R.T. -0.01 min

Lab File: BF109316.D

Acq: 26 Sep 2018 5:11

Tgt Ion:244 Resp: 1061694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.4   | 8.0   |
| 122 | 12.2  | 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

1500000

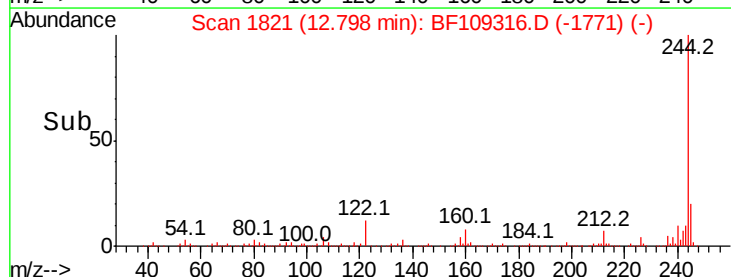
12.80

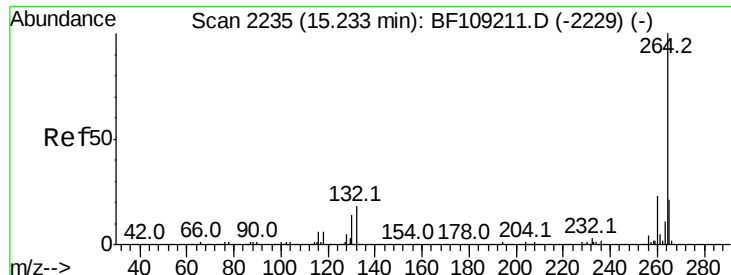
1000000

500000

0

Time-->

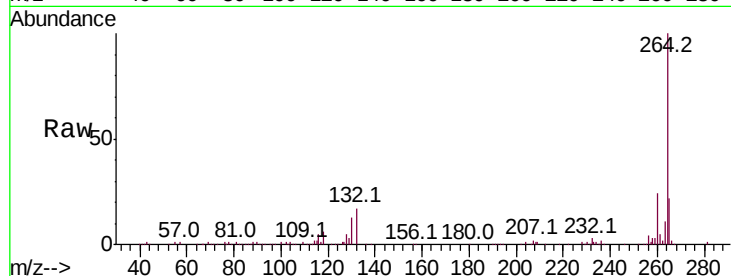




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. 0.00 min  
 Lab File: BF109316.D  
 Acq: 26 Sep 2018 5:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-DBRI-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 200000 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

