

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\  
 Data File : BF108921.D  
 Acq On : 11 Sep 2018 4:25  
 Operator : JU/SJ  
 Sample : J4830-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-DBRI-E-D-S

Quant Time: Sep 11 08:23:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

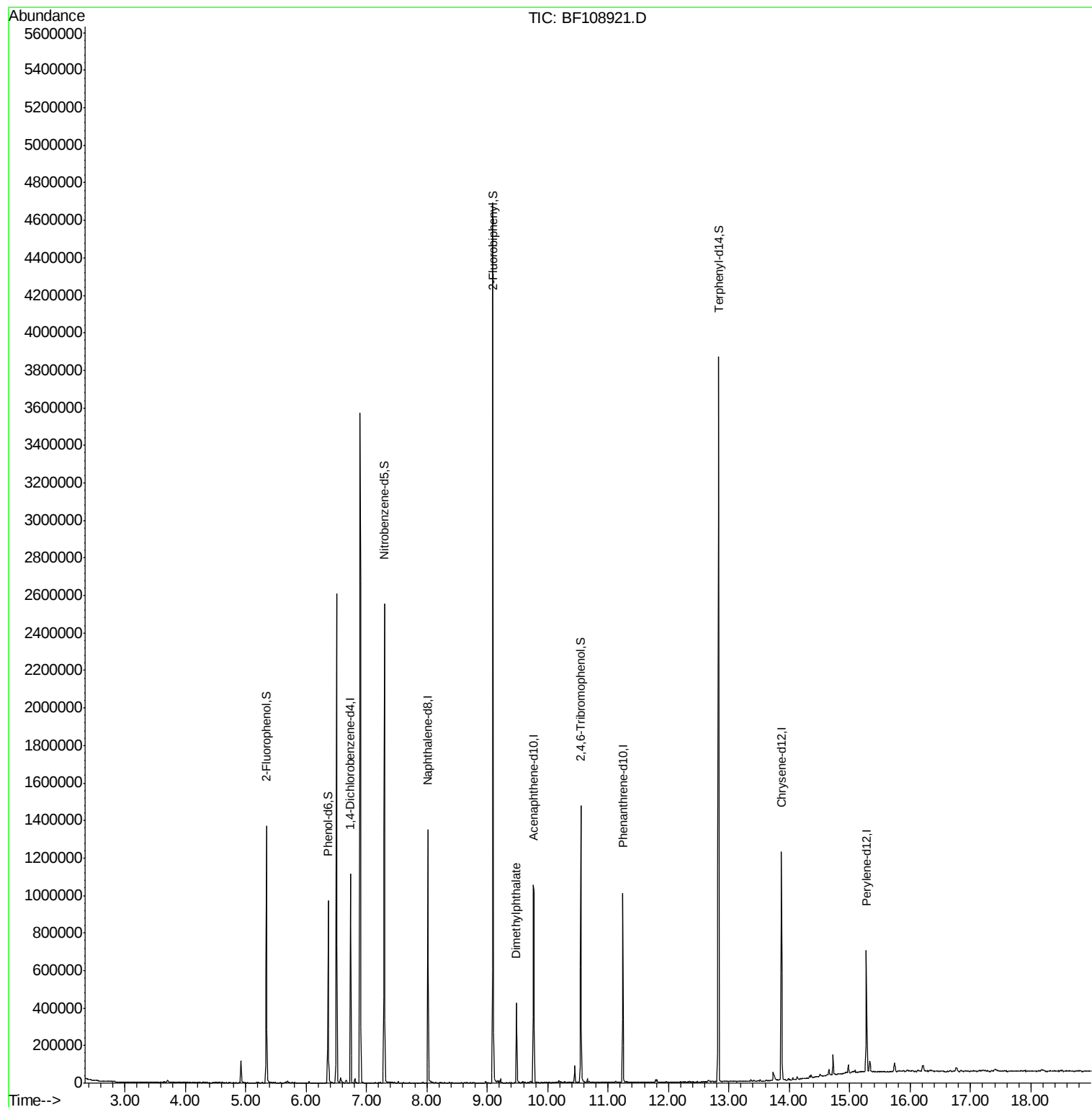
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 151747   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.02  | 136  | 522894   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.77  | 164  | 207709   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.24 | 188  | 351232   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 13.87 | 240  | 386195   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 15.28 | 264  | 277224   | 20.00  | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.34  | 112  | 379166   | 41.39  | ng    | 0.00          |
| 7) Phenol-d6                | 6.37  | 99   | 291574   | 24.74  | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 882422   | 105.61 | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 178432   | 89.99  | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1404100  | 115.32 | ng    | 0.00          |
| 78) Terphenyl-d14           | 12.83 | 244  | 1251189  | 75.55  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.48  | 163  | 164243   | 11.305 | ng    | Qvalue<br>100 |

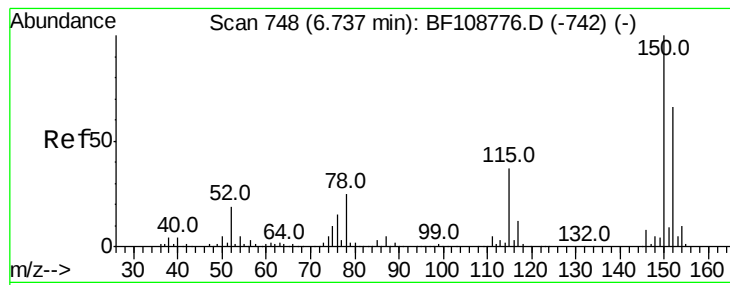
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :  
090618-DBRI-E-D-S

Quant Time: Sep 11 08:23:18 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.74 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

Instrument :

BNA\_F

ClientSampleId :

090618-DBRI-E-D-S

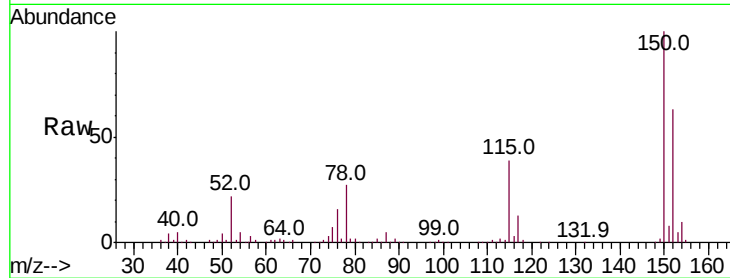
Tot Ion:152 Resp: 151747

Ion Ratio Lower Upper

152 100

150 159.2 124.6 186.8

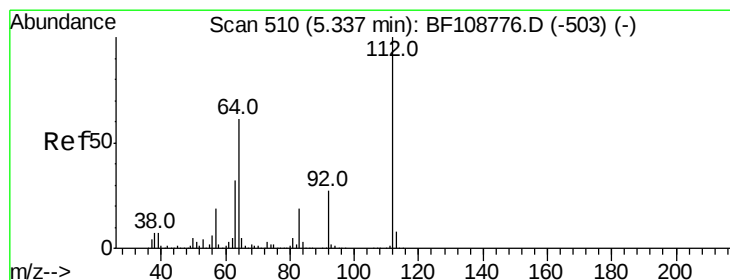
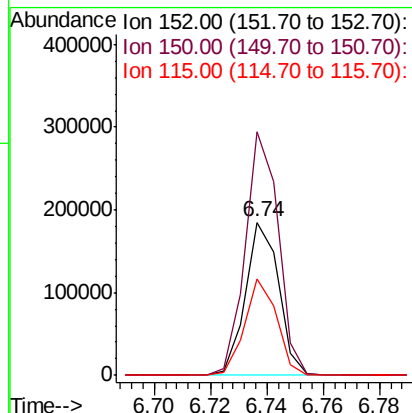
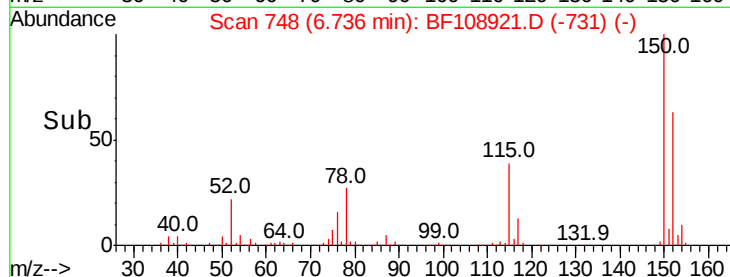
115 62.8 50.1 75.1



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: 41.395 ng

RT: 5.34 min Scan# 511

Delta R.T. 0.01 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

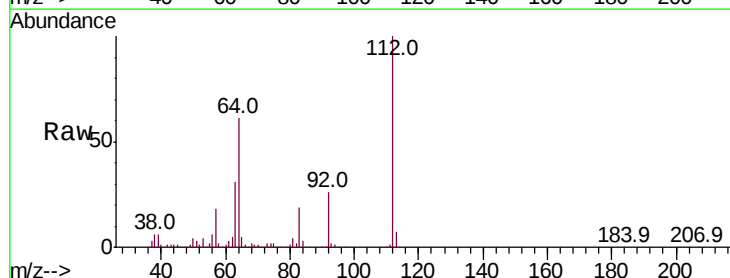
Tgt Ion:112 Resp: 379166

Ion Ratio Lower Upper

112 100

64 60.6 47.9 71.9

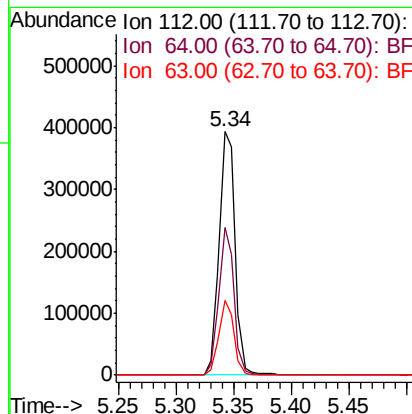
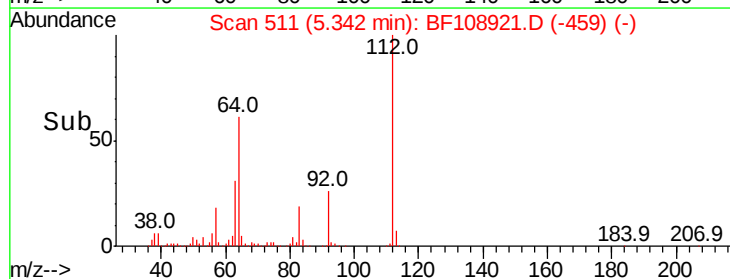
63 30.6 23.7 35.5

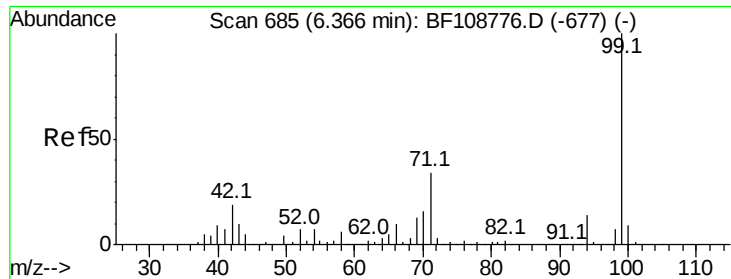


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.740 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

Instrument :

BNA\_F

ClientSampleId :

090618-DBRI-E-D-S

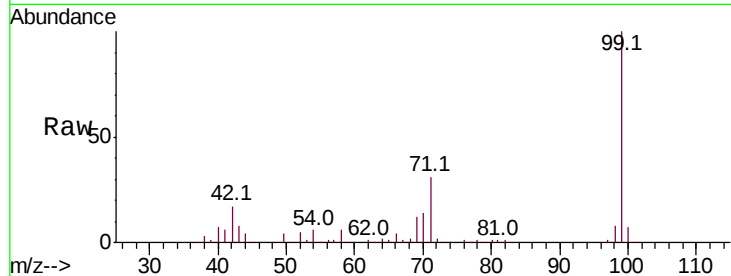
Tot Ion: 99 Resp: 291574

Ion Ratio Lower Upper

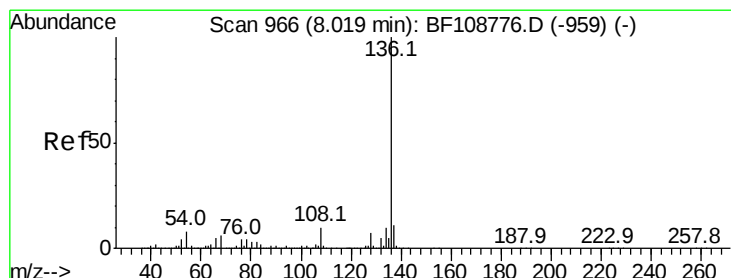
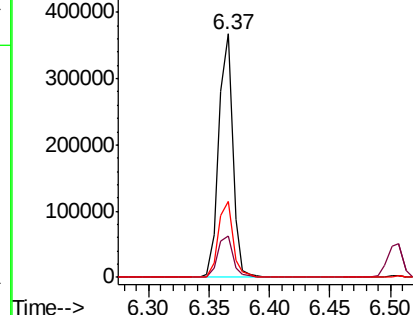
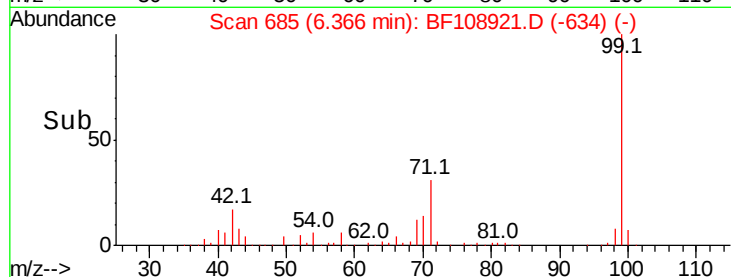
99 100

42 16.8 14.5 21.7

71 31.2 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: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

Tgt Ion: 136 Resp: 522894

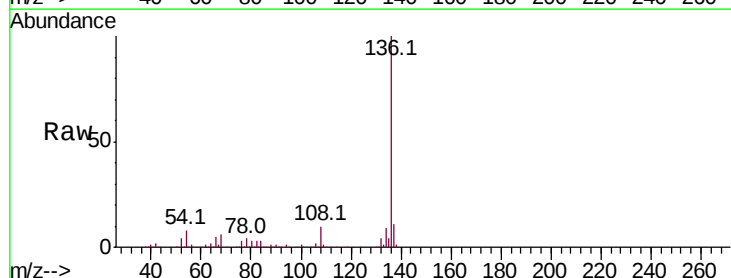
Ion Ratio Lower Upper

136 100

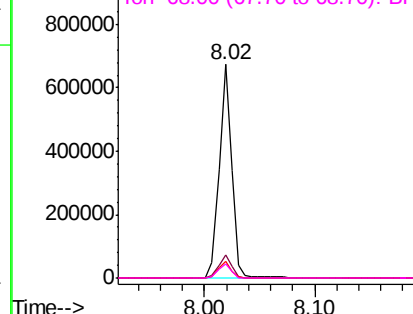
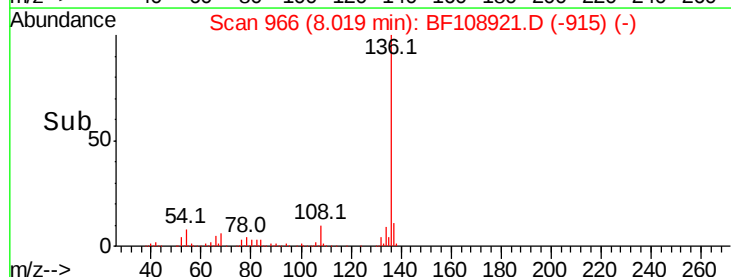
137 11.1 8.9 13.3

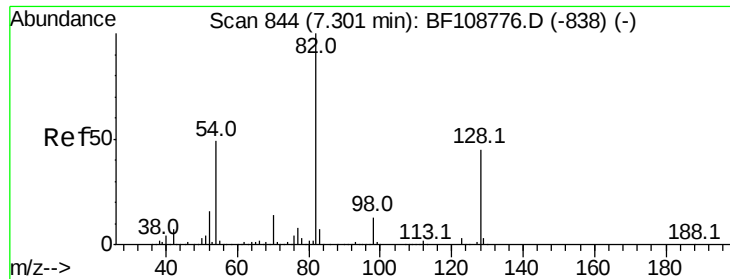
54 7.8 6.6 9.8

68 6.5 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

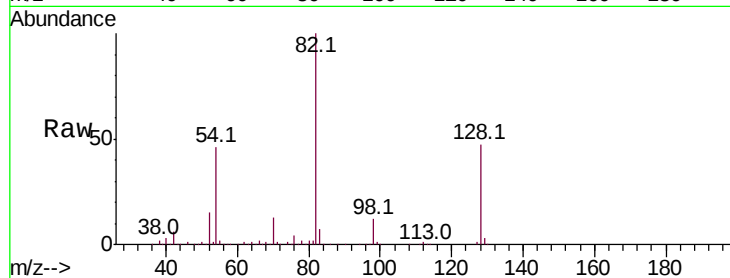




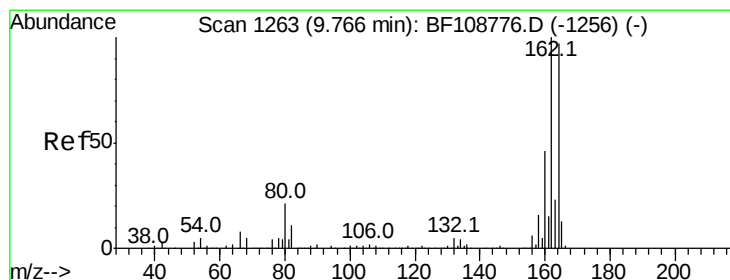
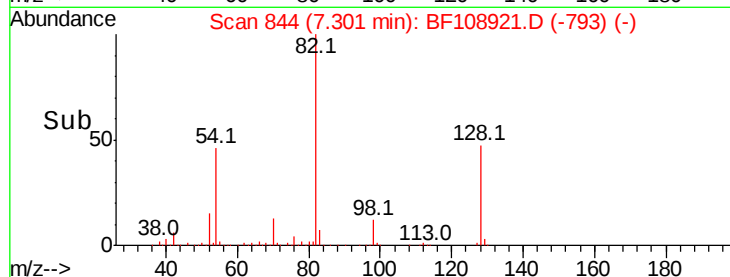
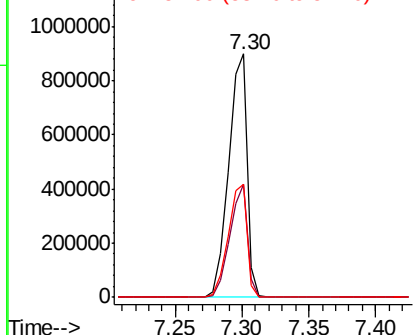
#23  
 Nitrobenzene-d5  
 Concen: 105.610 ng  
 RT: 7.30 min Scan# 844  
 Delta R.T. -0.00 min  
 Lab File: BF108921.D  
 Acq: 11 Sep 2018 4:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-DBRI-E-D-S

| Tot Ion   | 82   | Resp  | 882422 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.6 | 36.1  | 54.1   |
| 54        | 46.3 | 41.4  | 62.2   |

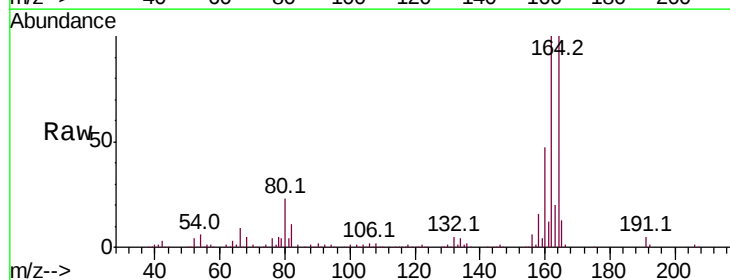


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

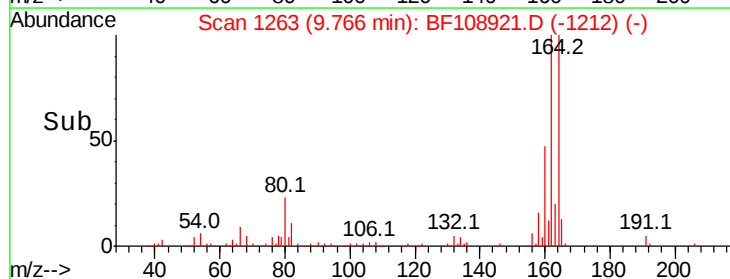
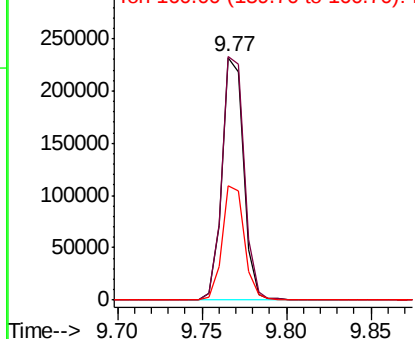


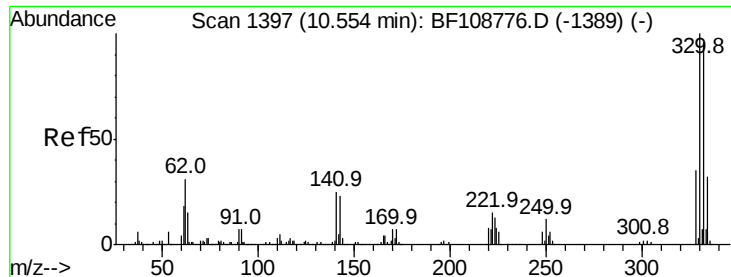
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. -0.00 min  
 Lab File: BF108921.D  
 Acq: 11 Sep 2018 4:25

| Tgt Ion                                              | 164   | Resp  | 207709 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 100.2 | 86.1  | 129.1  |
| 160                                                  | 46.9  | 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

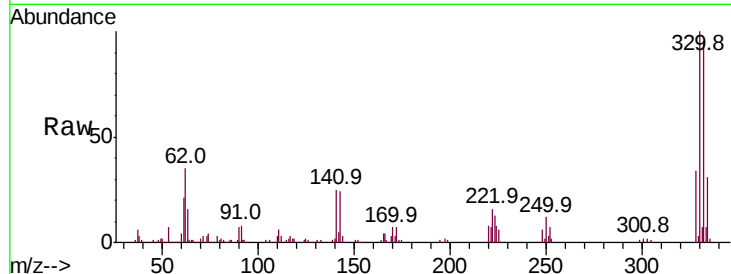




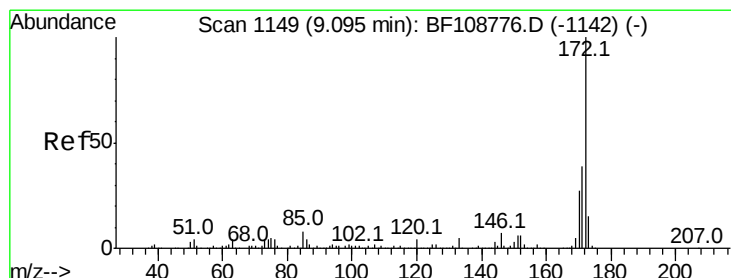
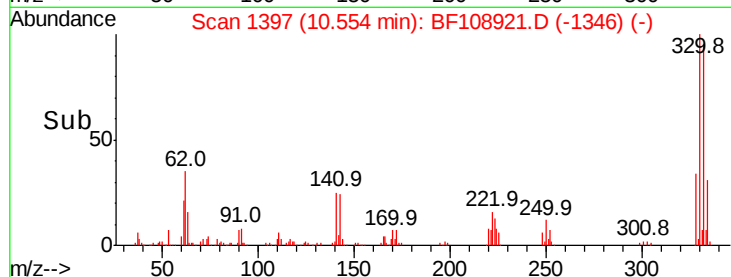
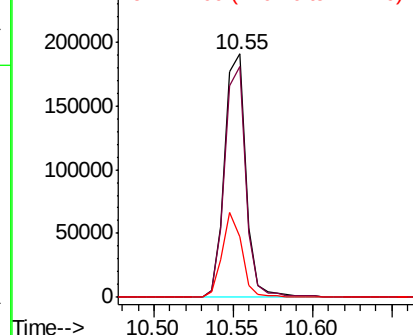
#41  
 2,4,6-Tribromophenol  
 Concen: 89.986 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: BF108921.D  
 Acq: 11 Sep 2018 4:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-DBRI-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.0  | 115.6 |
| 141     | 32.3  | 29.9  | 44.9  |

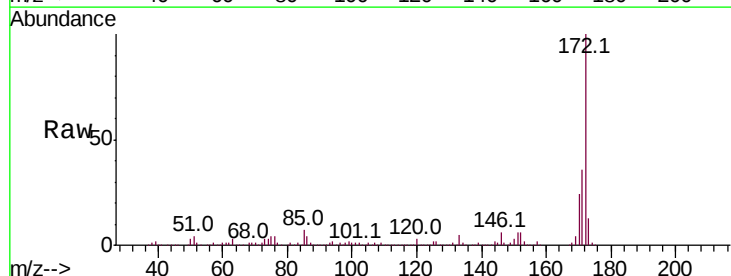


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

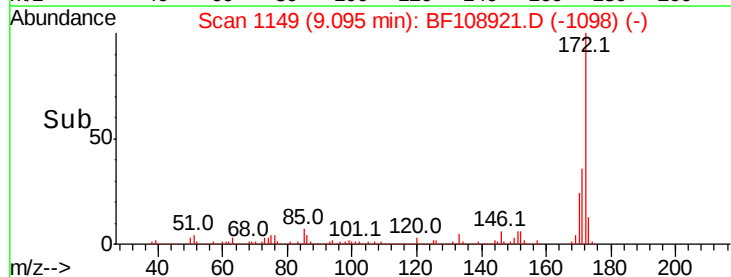
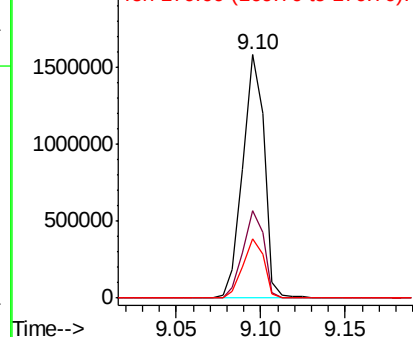


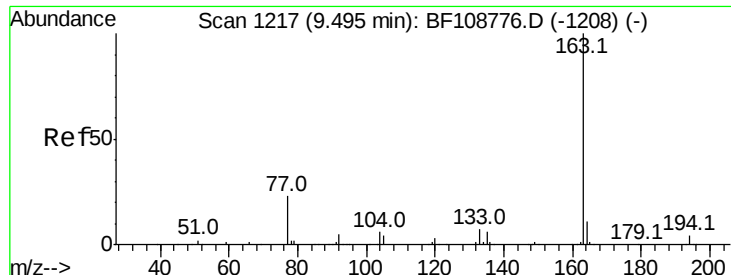
#44  
 2-Fluorobiphenyl  
 Concen: 115.324 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108921.D  
 Acq: 11 Sep 2018 4:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.4  | 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: 11.305 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

Instrument :

BNA\_F

ClientSampleId :

090618-DBRI-E-D-S

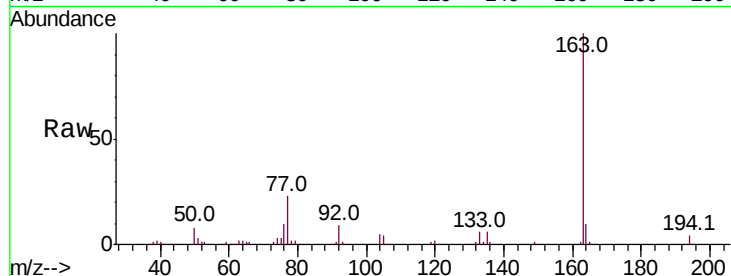
Tot Ion:163 Resp: 164243

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

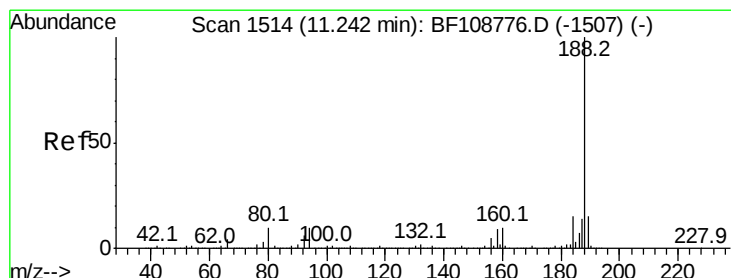
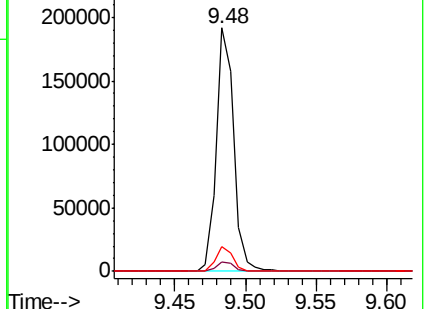
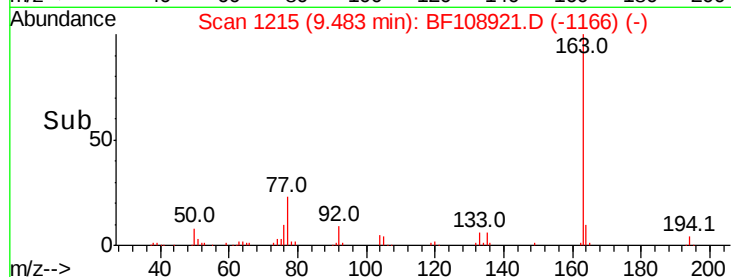
164 10.1 8.2 12.2



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: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

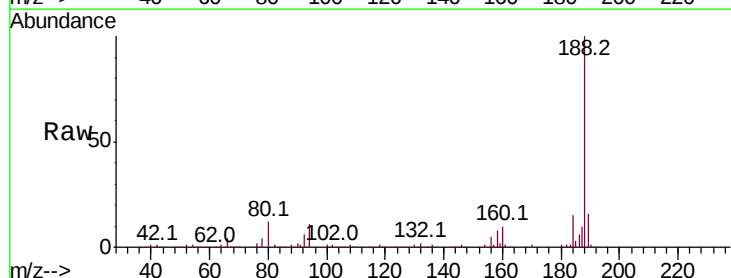
Tgt Ion:188 Resp: 351232

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

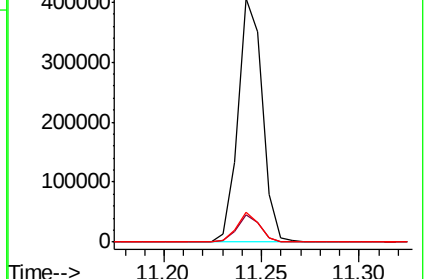
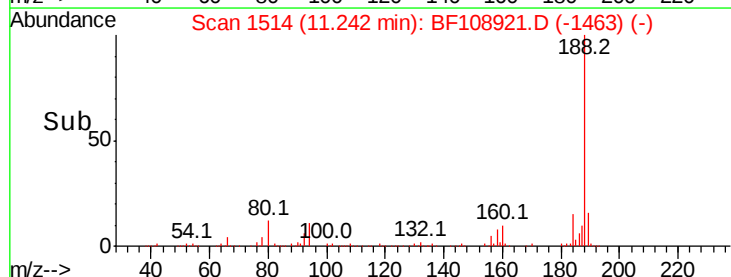
80 12.0 9.2 13.8

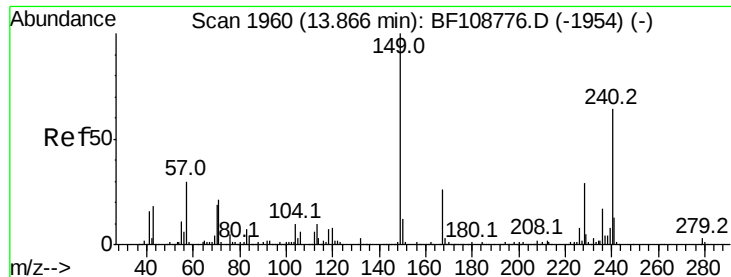


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

Instrument :

BNA\_F

ClientSampleId :

090618-DBRI-E-D-S

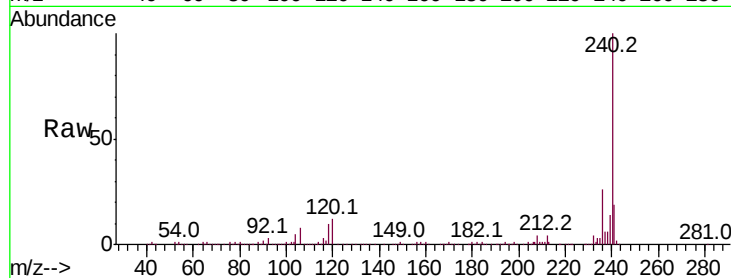
Tot Ion:240 Resp: 386195

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

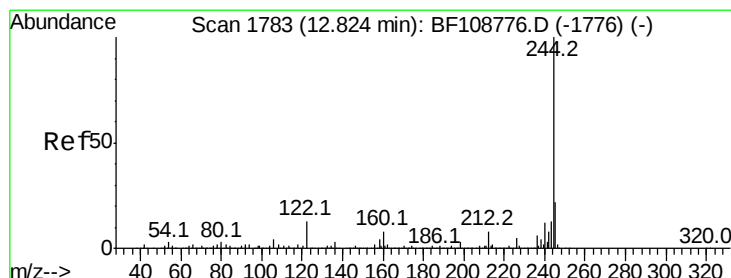
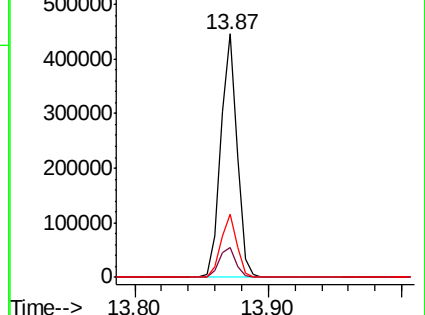
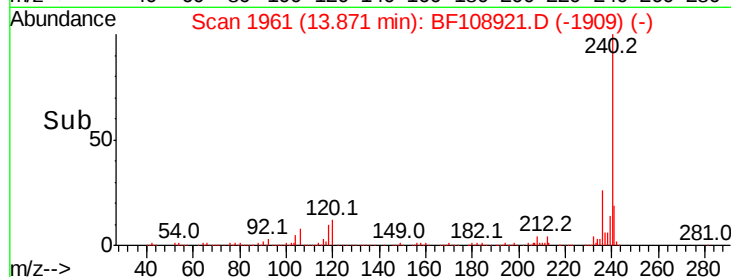
236 26.1 20.7 31.1



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: 75.549 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108921.D

Acq: 11 Sep 2018 4:25

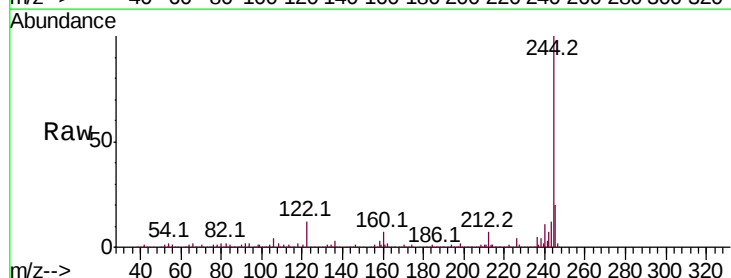
Tgt Ion:244 Resp: 1251189

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

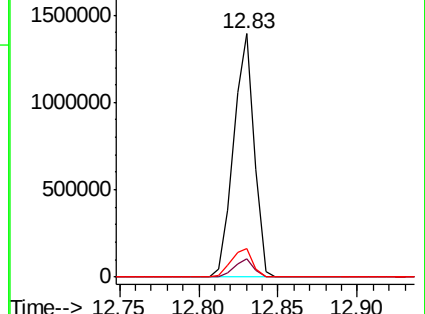
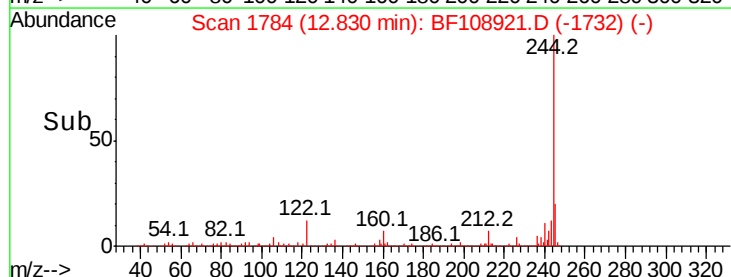
122 12.0 11.0 16.4

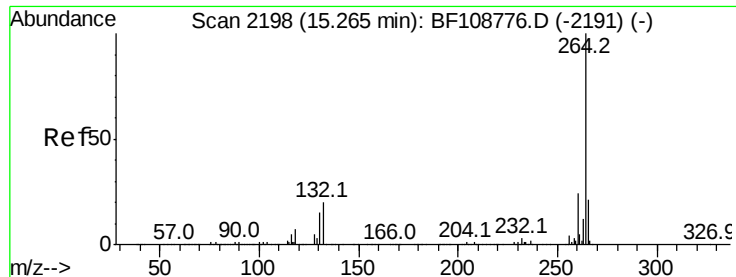


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.28 min Scan# 2200  
 Delta R.T. 0.01 min  
 Lab File: BF108921.D  
 Acq: 11 Sep 2018 4:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-DBRI-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 21.4  | 17.5  | 26.3  |

