

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091418\  
 Data File : BF109023.D  
 Acq On : 15 Sep 2018 4:35  
 Operator : JU/SJ  
 Sample : J4901-06  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-DBRI-F-D-M

Quant Time: Sep 15 06:55:19 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

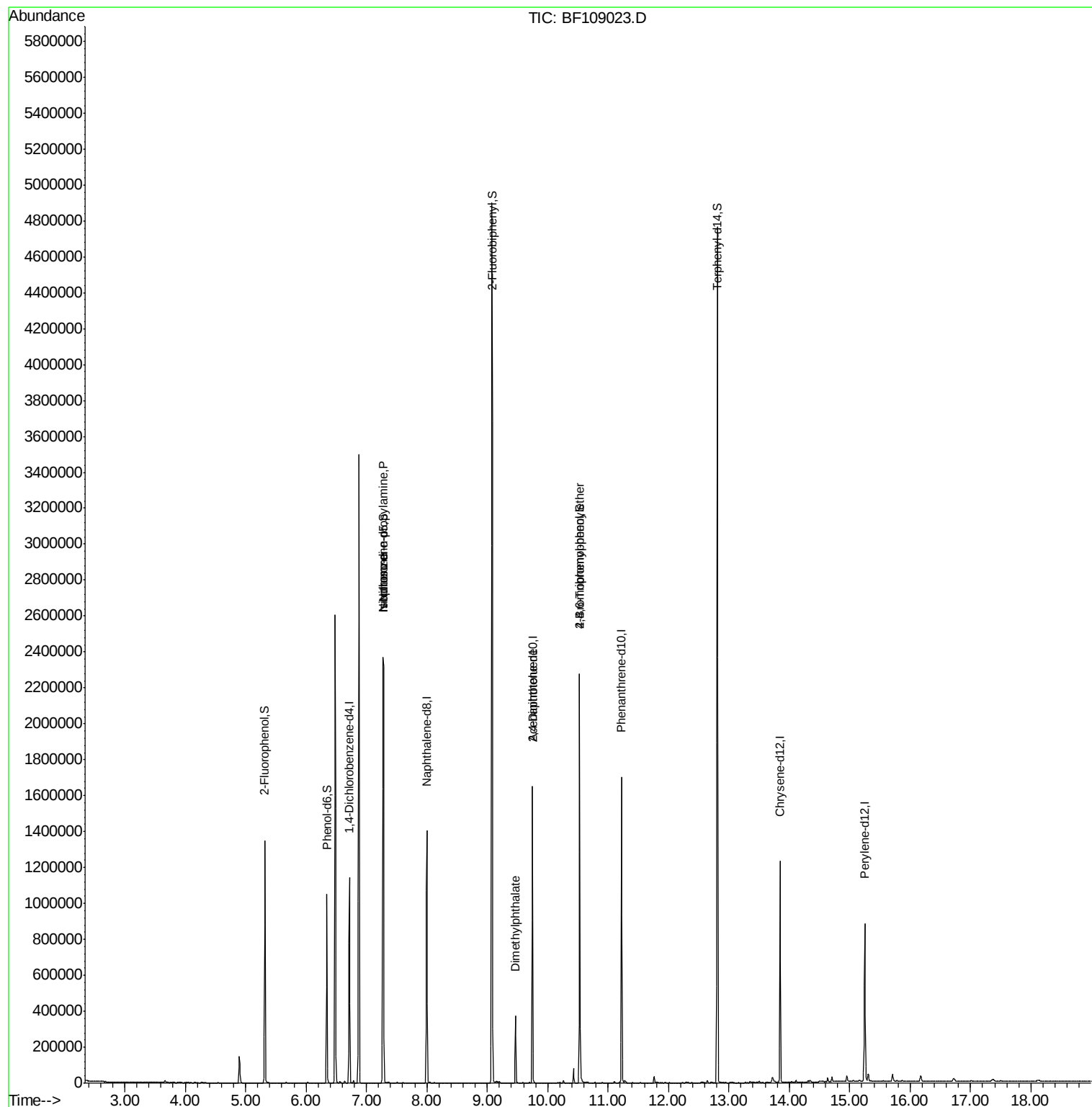
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 155317   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 594251   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 294705   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 577192   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.85 | 240  | 395657   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.25 | 264  | 405496   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 343981   | 36.78  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.34  | 99   | 298061   | 24.72  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 959417   | 90.55  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.53 | 330  | 285892   | 89.39  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1596682  | 84.88  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.81 | 244  | 1717368  | 102.88 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 128668   | 16.143 | ng    | # 77     |
| 25) Isophorone                 | 7.28  | 82   | 953569   | 52.358 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 140105   | 6.652  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 36759    | 6.017  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.53 | 248  | 17493    | 2.688  | ng    | # 1      |

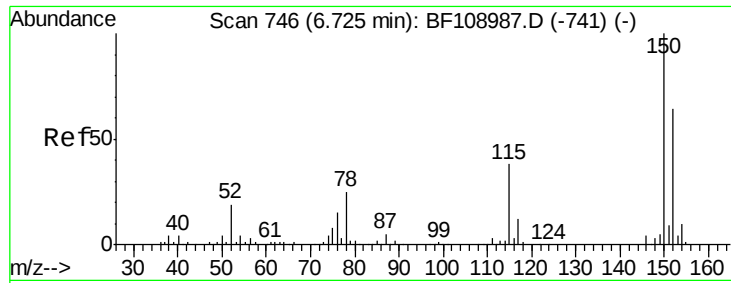
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 15 06:55:19 2018  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 14 13:26:52 2018  
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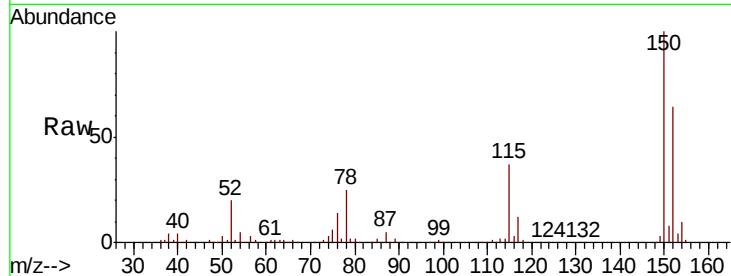




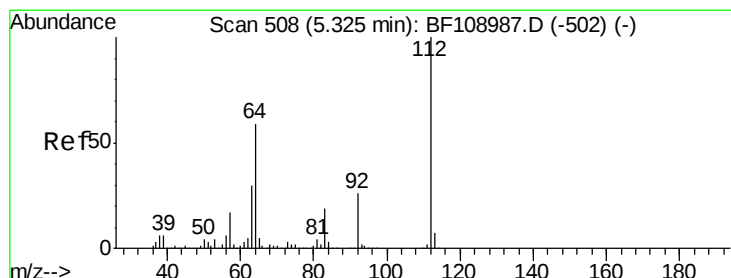
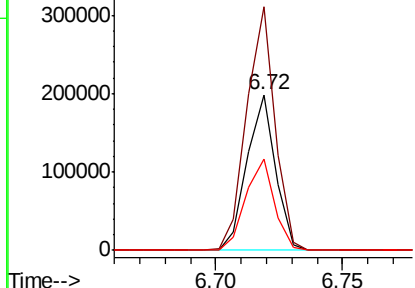
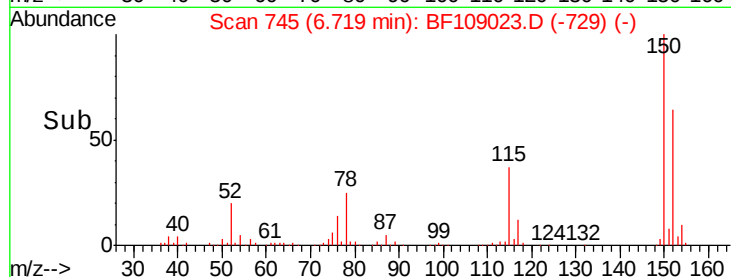
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109023.D  
 Acq: 15 Sep 2018 4:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-DBRI-F-D-M

Tgt Ion:152 Resp: 155317  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 124.6 186.8  
 115 58.6 50.1 75.1

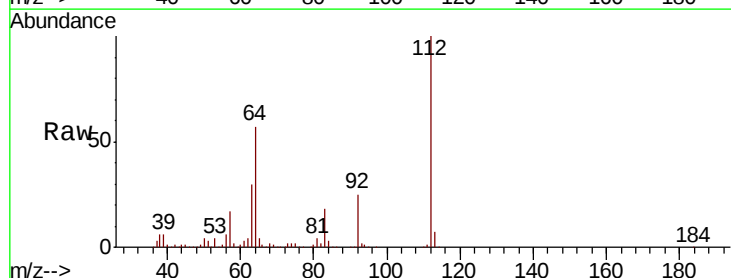


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

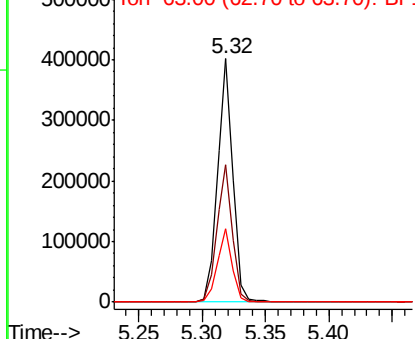
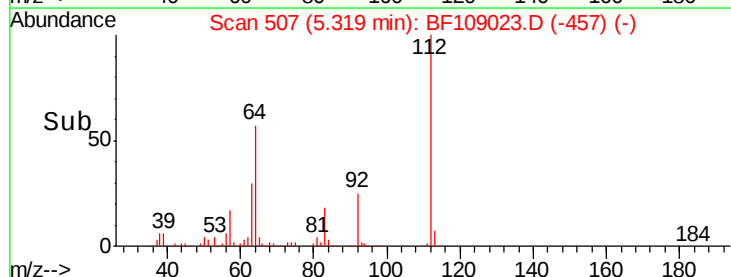


#5  
 2-Fluorophenol  
 Concen: 36.784 ng  
 RT: 5.32 min Scan# 507  
 Delta R.T. -0.01 min  
 Lab File: BF109023.D  
 Acq: 15 Sep 2018 4:35

Tgt Ion:112 Resp: 343981  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 47.9 71.9  
 63 30.0 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: 24.718 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

Instrument :

BNA\_F

ClientSampleId :

091218-DBRI-F-D-M

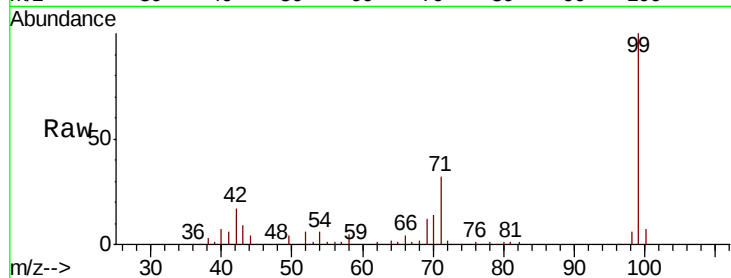
Tgt Ion: 99 Resp: 298061

Ion Ratio Lower Upper

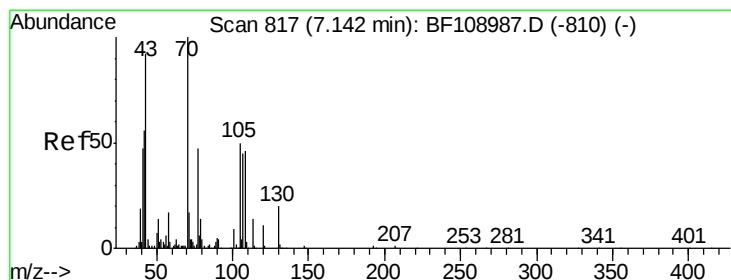
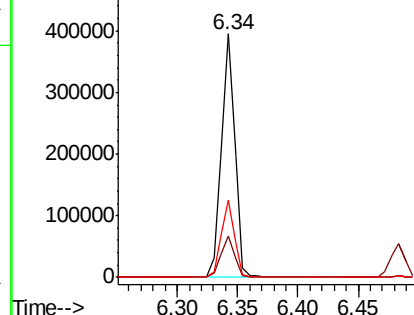
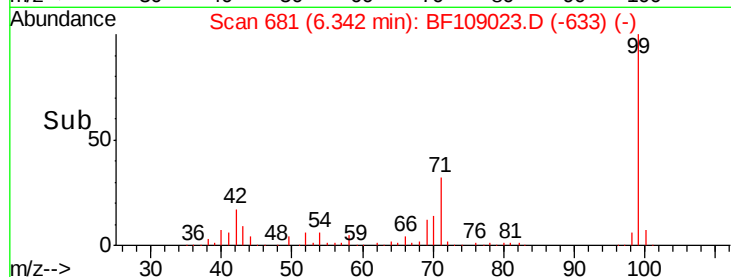
99 100

42 17.2 14.5 21.7

71 31.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.143 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

Tgt Ion: 70 Resp: 128668

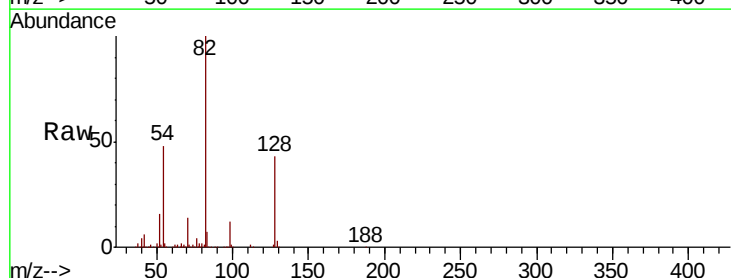
Ion Ratio Lower Upper

70 100

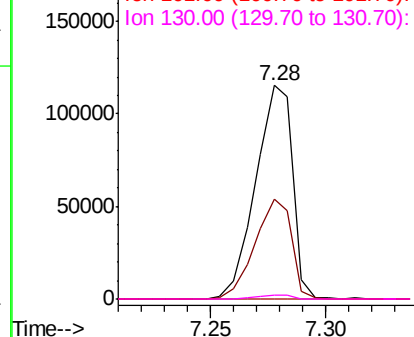
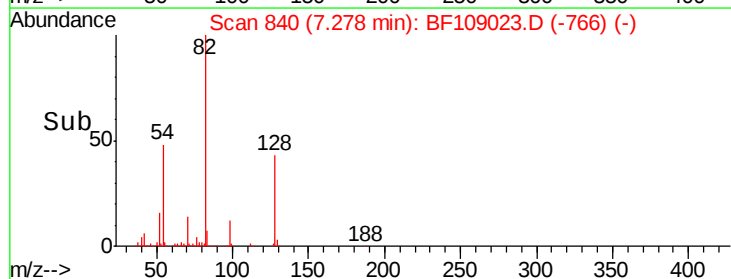
42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

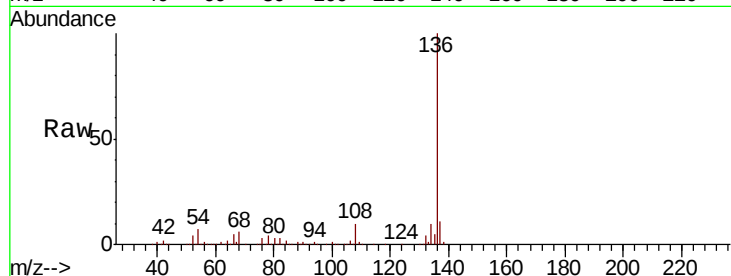




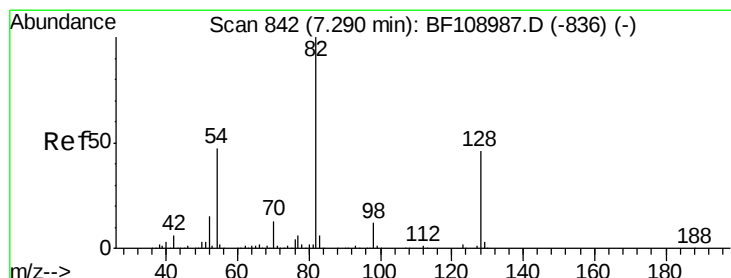
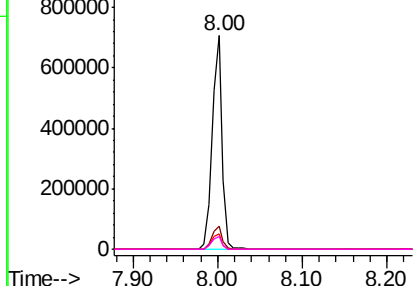
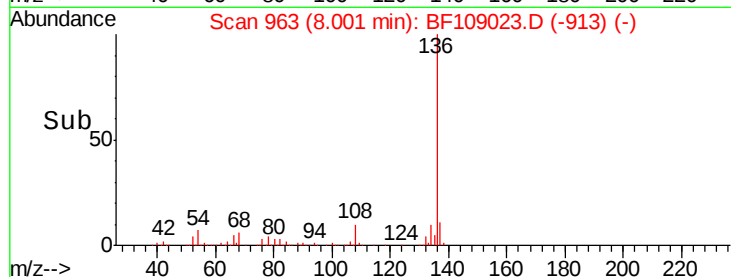
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

Instrument :  
BNA\_F  
ClientSampleId :  
091218-DBRI-F-D-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 594251 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.2   | 6.6   | 9.8    |
| 68       | 6.0   | 5.0   | 7.4    |

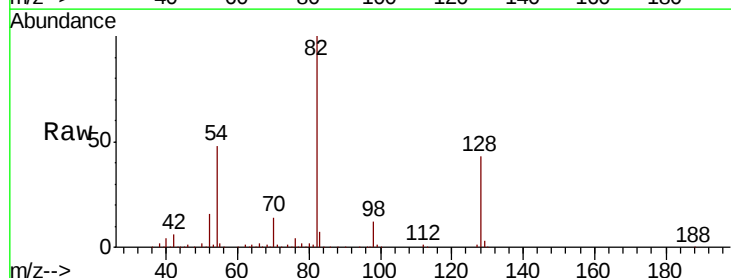


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

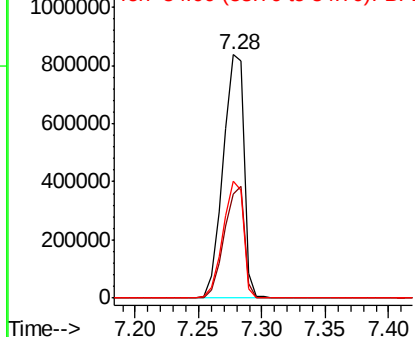
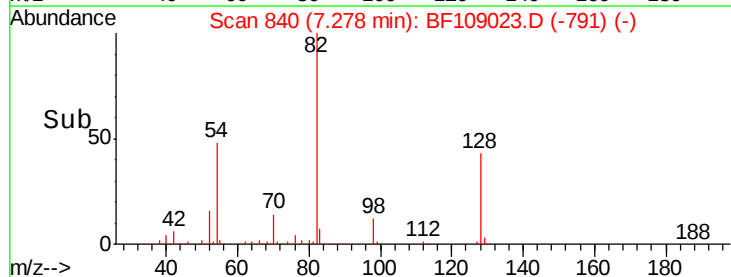


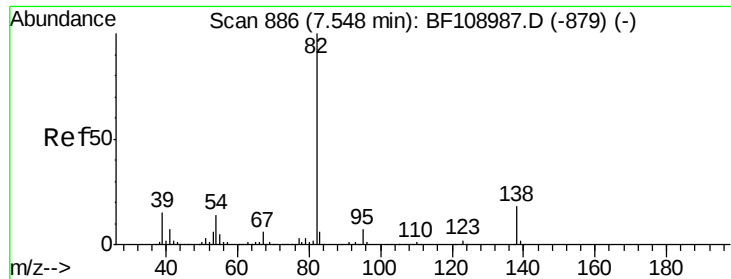
#23  
Nitrobenzene-d5  
Concen: 90.554 ng  
RT: 7.28 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 959417 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.9  | 36.1  | 54.1   |
| 54       | 47.9  | 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

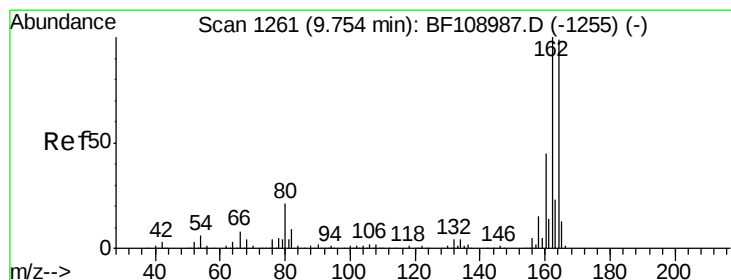
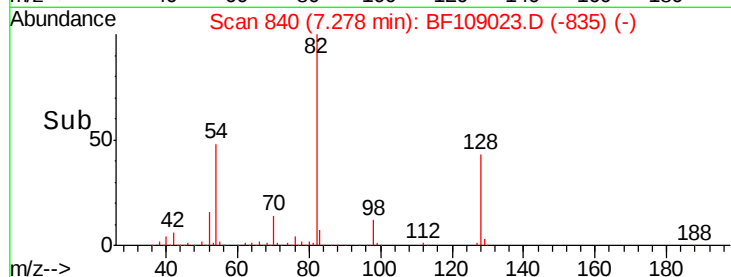
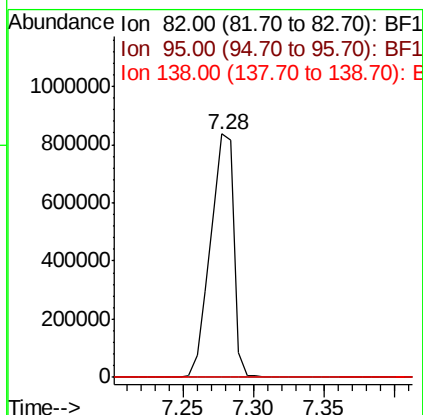
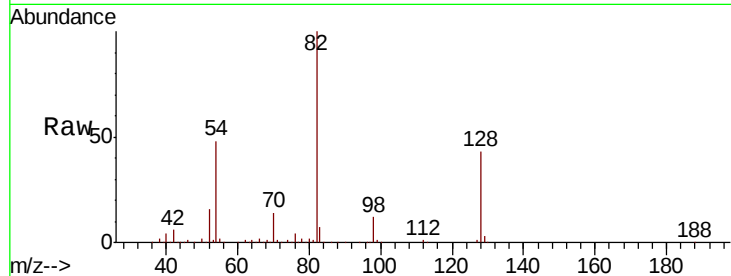




#25  
Isophorone  
Concen: 52.358 ng  
RT: 7.28 min Scan# 840  
Delta R.T. -0.27 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

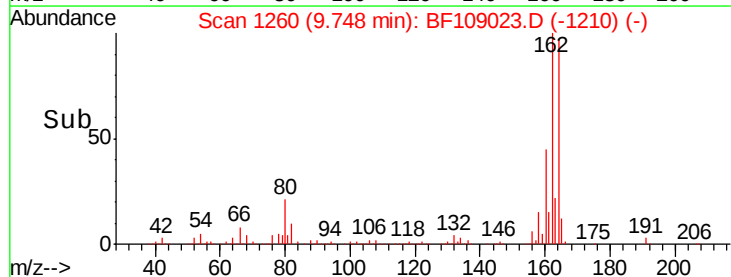
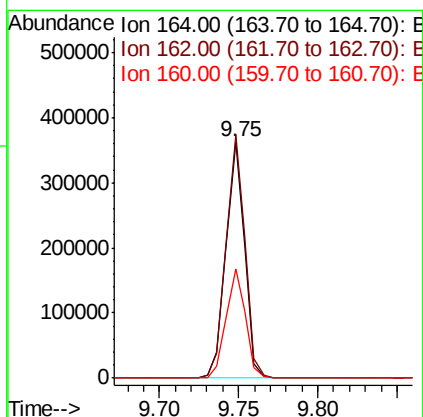
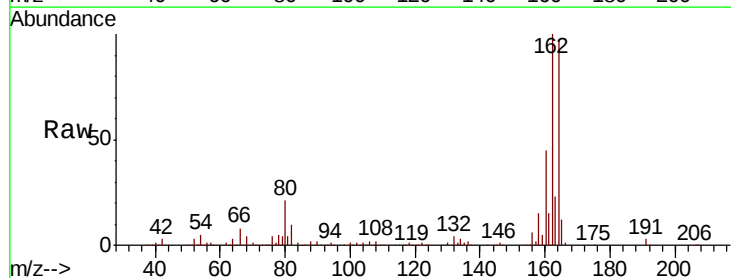
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091218-DBRI-F-D-M

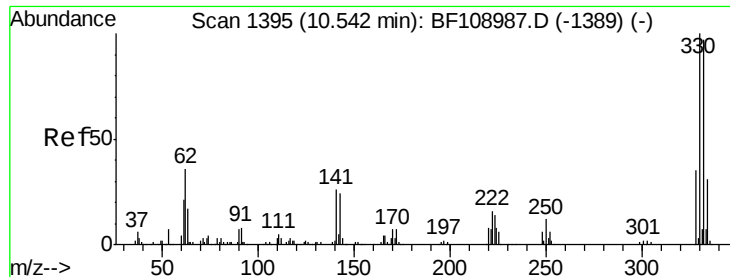
Tgt Ion: 82 Resp: 953569  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

Tgt Ion: 164 Resp: 294705  
Ion Ratio Lower Upper  
164 100  
162 102.9 86.1 129.1  
160 46.4 38.3 57.5

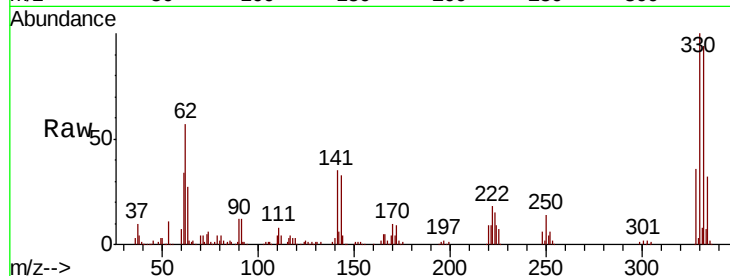




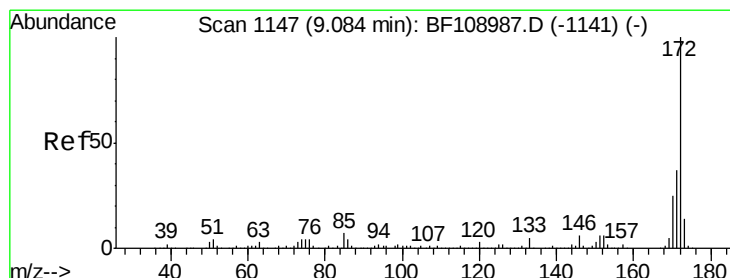
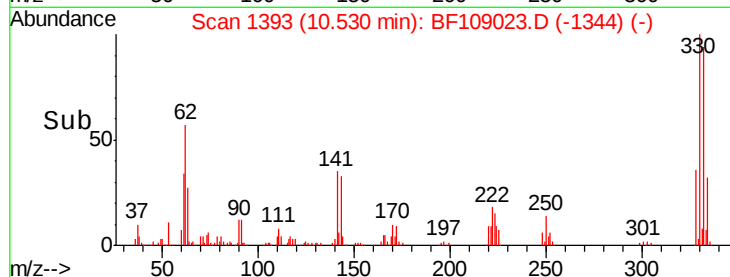
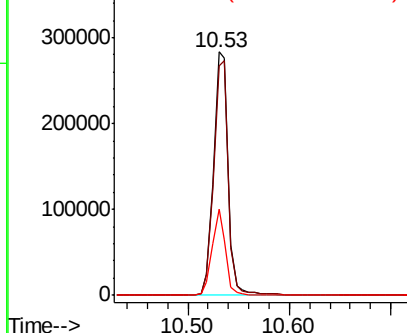
#41  
 2,4,6-Tribromophenol  
 Concen: 89.388 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109023.D  
 Acq: 15 Sep 2018 4:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-DBRI-F-D-M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.0  | 115.6 |
| 141     | 32.3  | 29.9  | 44.9  |

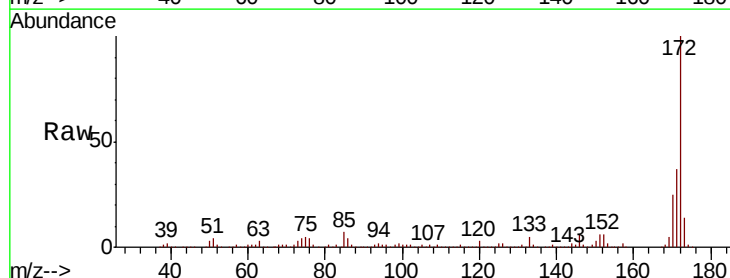


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

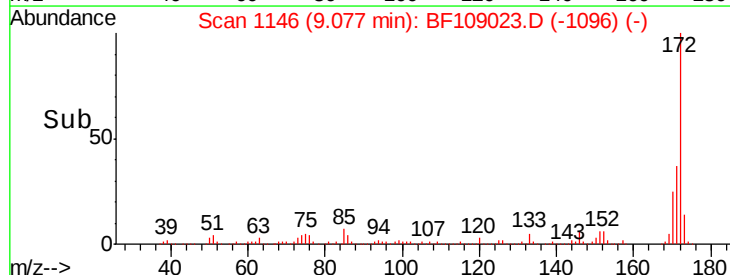
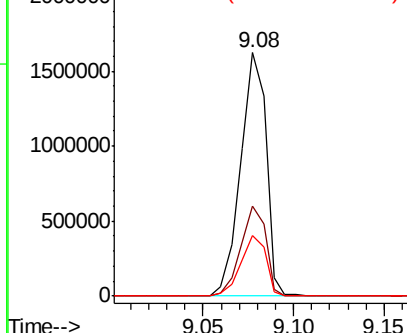


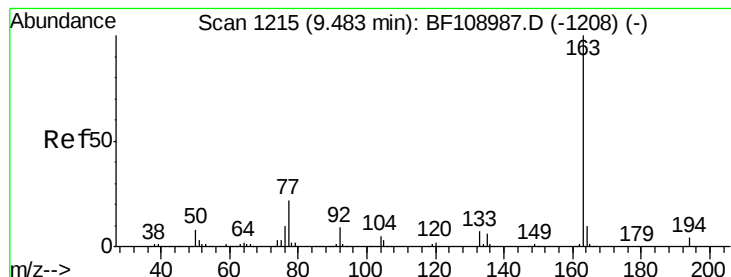
#44  
 2-Fluorobiphenyl  
 Concen: 84.884 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109023.D  
 Acq: 15 Sep 2018 4:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 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: 6.652 ng

RT: 9.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

Instrument :

BNA\_F

ClientSampleId :

091218-DBRI-F-D-M

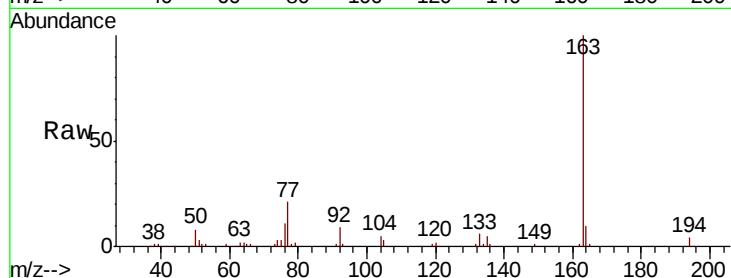
Tgt Ion:163 Resp: 140105

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

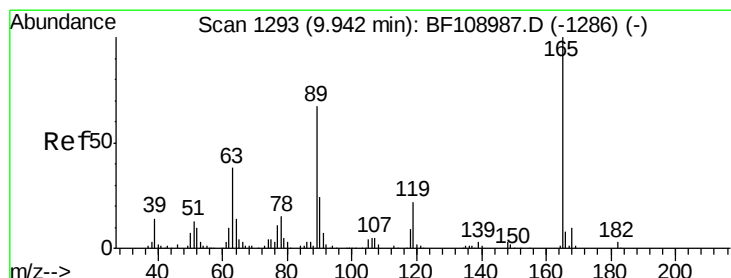
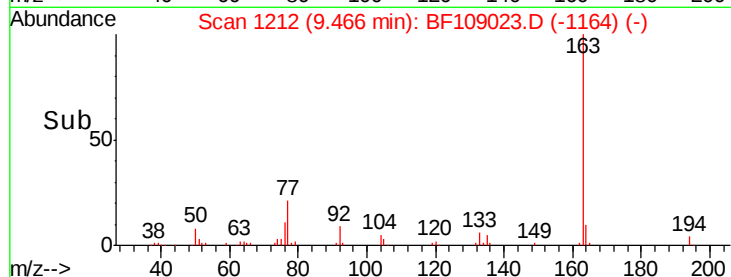
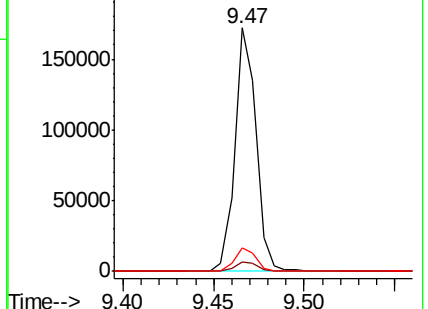
164 9.8 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.017 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.19 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

Tgt Ion:165 Resp: 36759

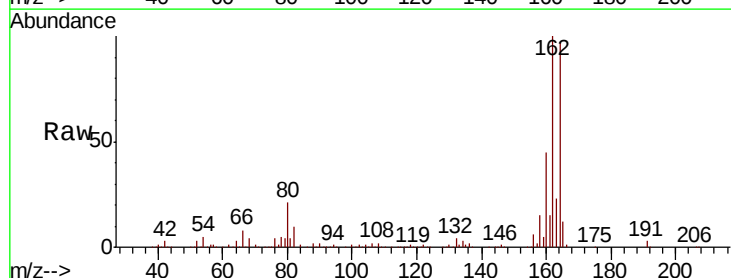
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

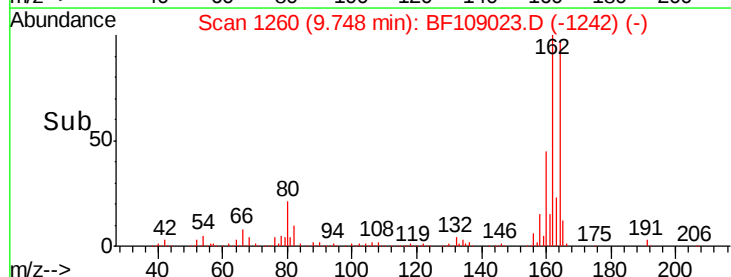
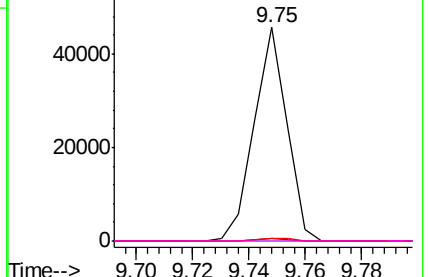


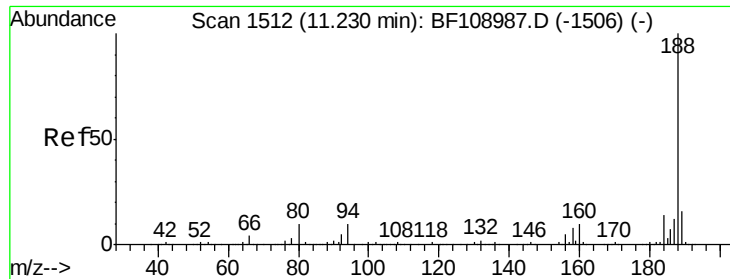
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

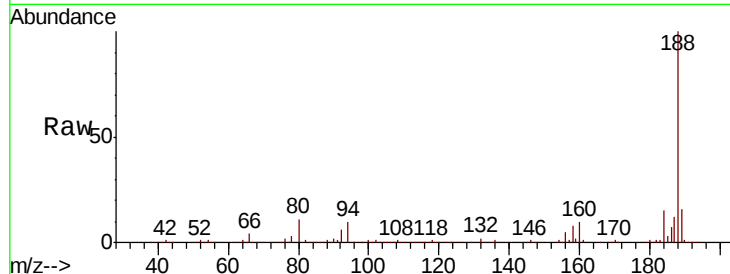




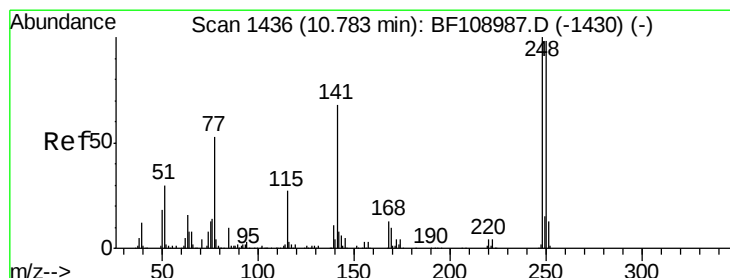
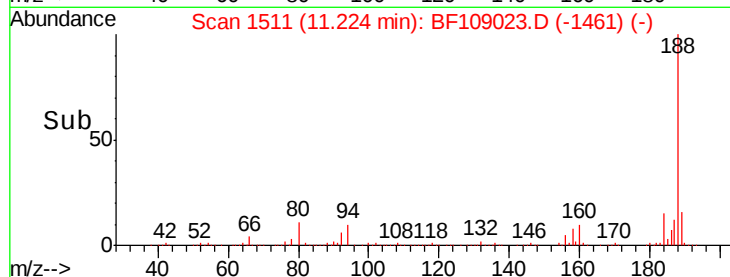
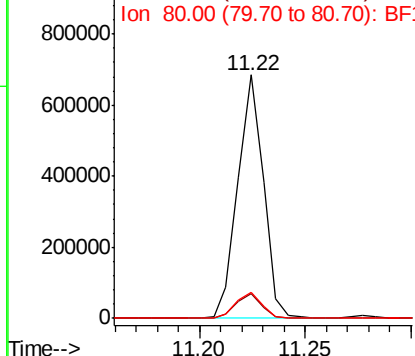
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1511  
Delta R.T. -0.01 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

Instrument :  
BNA\_F  
ClientSampleId :  
091218-DBRI-F-D-M

Tgt Ion:188 Resp: 577192  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 10.6 9.2 13.8

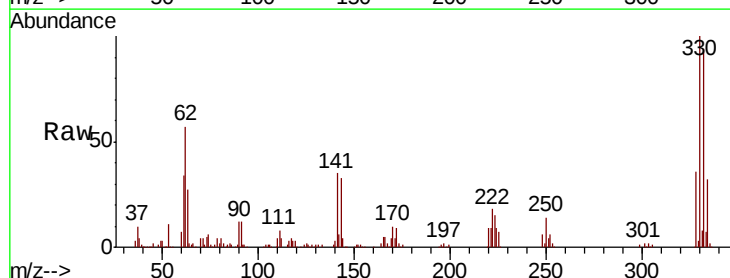


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

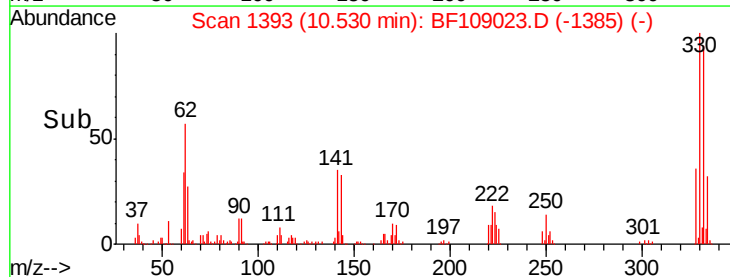
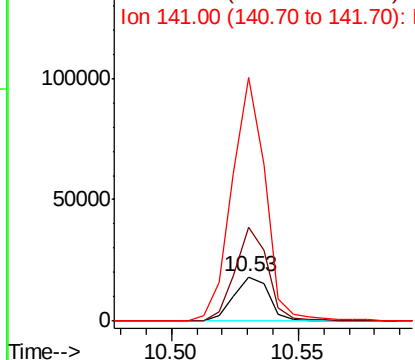


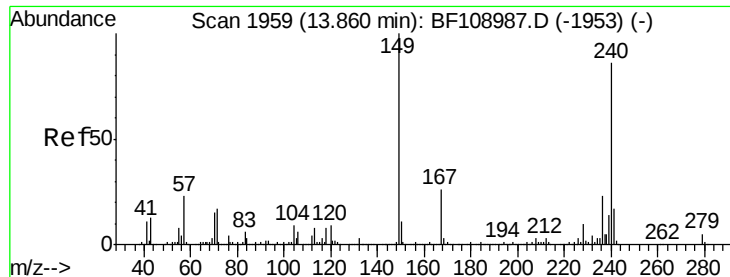
#66  
4-Bromophenyl-phenylether  
Concen: 2.688 ng  
RT: 10.53 min Scan# 1393  
Delta R.T. -0.25 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

Tgt Ion:248 Resp: 17493  
Ion Ratio Lower Upper  
248 100  
250 211.9 76.9 115.3#  
141 548.1 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

Instrument :

BNA\_F

ClientSampleId :

091218-DBRI-F-D-M

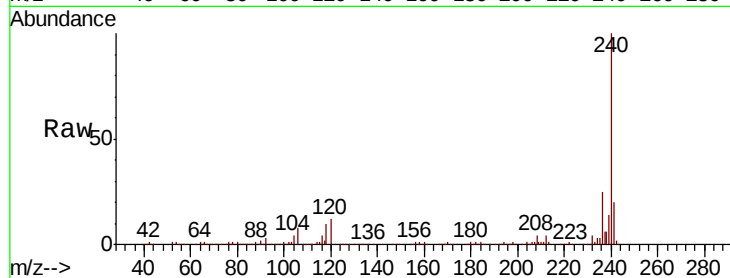
Tgt Ion:240 Resp: 395657

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

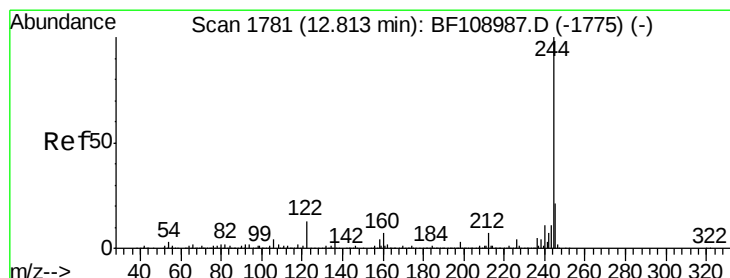
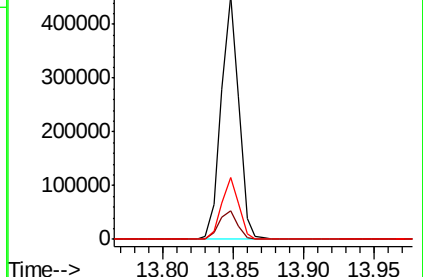
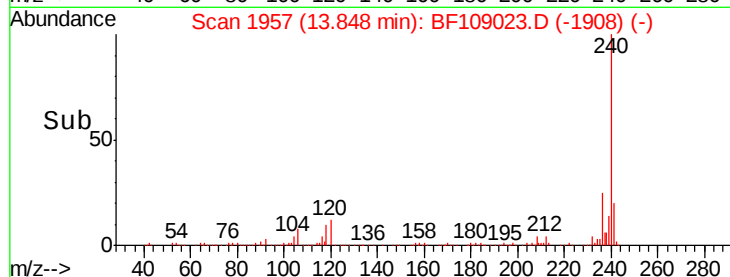
236 25.4 20.7 31.1



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: 102.882 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109023.D

Acq: 15 Sep 2018 4:35

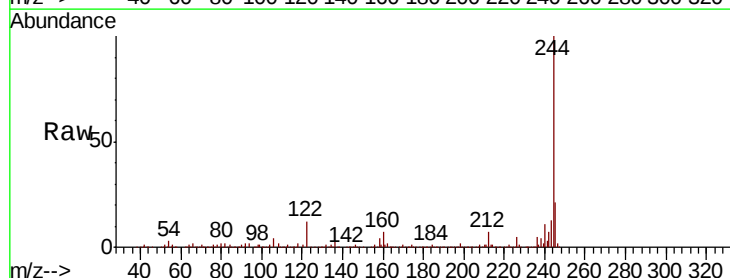
Tgt Ion:244 Resp: 1717368

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

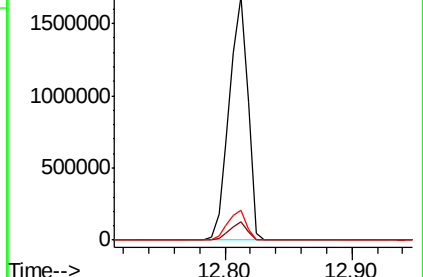
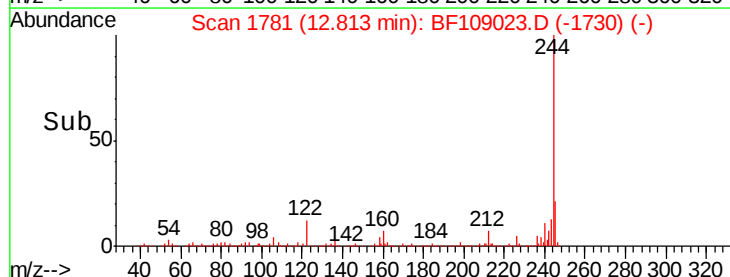
122 12.1 11.0 16.4

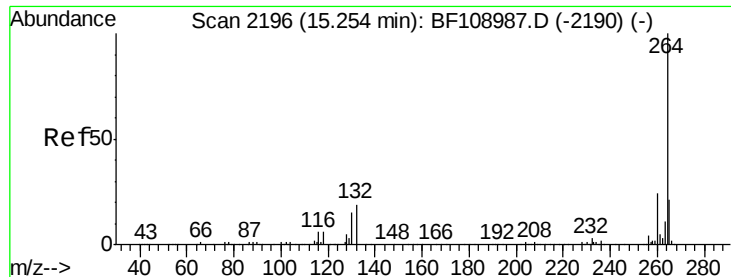


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: BF109023.D  
Acq: 15 Sep 2018 4:35

Instrument :  
BNA\_F  
ClientSampleId :  
091218-DBRI-F-D-M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.2  | 28.8  |
| 265     | 21.7  | 17.5  | 26.3  |

