

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\  
 Data File : BF108977.D  
 Acq On : 13 Sep 2018 21:04  
 Operator : JU/SJ  
 Sample : J4875-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091118-DBRI-F-D-B

Quant Time: Sep 14 02:32:10 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

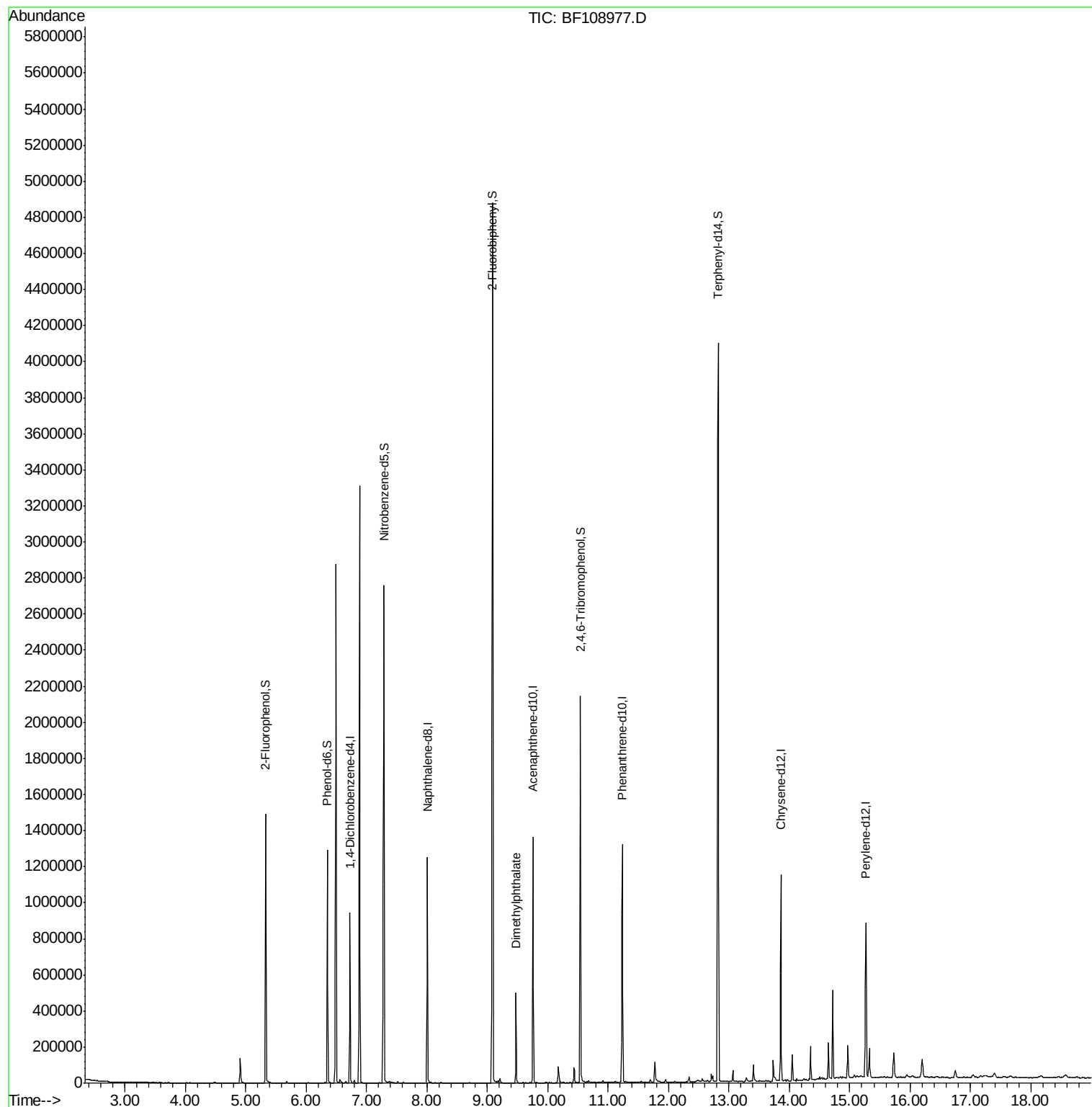
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 145021   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.01  | 136  | 534877   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 9.76  | 164  | 242233   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.24 | 188  | 437989   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.86 | 240  | 358960   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.27 | 264  | 399973   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.33  | 112  | 419663   | 47.94  | ng    | 0.00      |
| 7) Phenol-d6                | 6.35  | 99   | 360962   | 32.05  | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 964160   | 112.81 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 257414   | 111.32 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1570682  | 110.62 | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.82 | 244  | 1463235  | 95.06  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.48  | 163  | 176957   | 10.445 | ng    | Qvalue 99 |

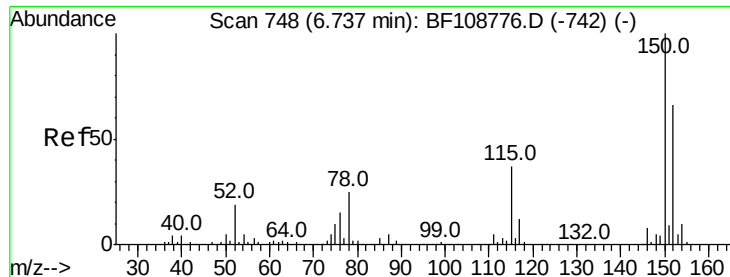
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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091118-DBRI-F-D-B

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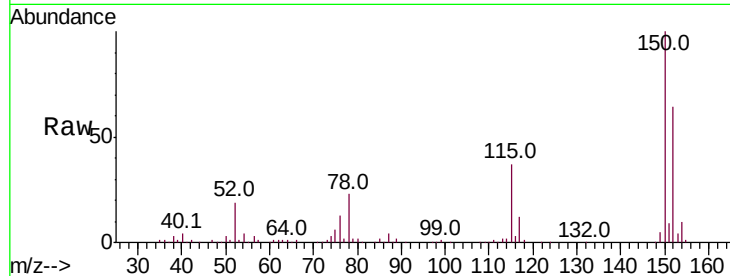


#1

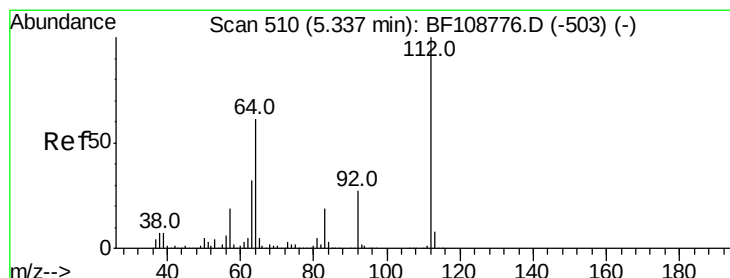
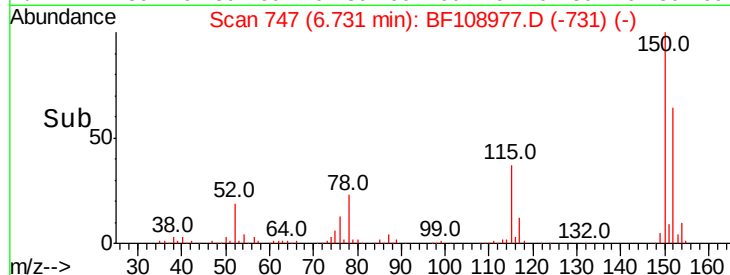
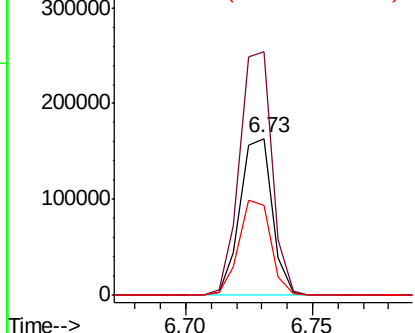
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 747  
Delta R.T. -0.01 min  
Lab File: BF108977.D  
Acq: 13 Sep 2018 21:04

Instrument :  
BNA\_F  
ClientSampleId :  
091118-DBRI-F-D-B

Tot Ion:152 Resp: 145021  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.6 186.8  
115 57.1 50.1 75.1



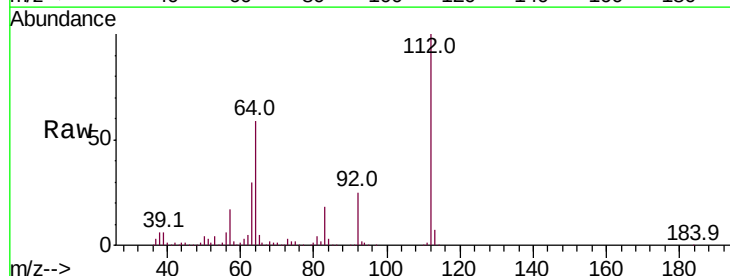
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



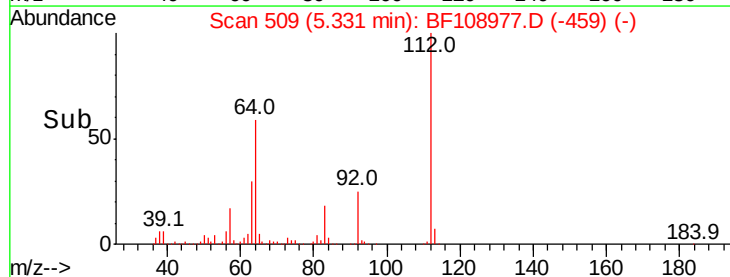
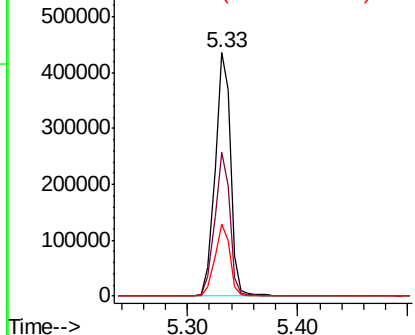
#5

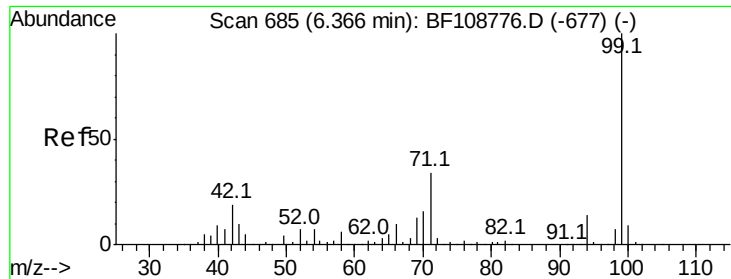
2-Fluorophenol  
Concen: 47.941 ng  
RT: 5.33 min Scan# 509  
Delta R.T. -0.01 min  
Lab File: BF108977.D  
Acq: 13 Sep 2018 21:04

Tgt Ion:112 Resp: 419663  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.9 71.9  
63 29.5 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: 32.048 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

Instrument :

BNA\_F

ClientSampleId :

091118-DBRI-F-D-B

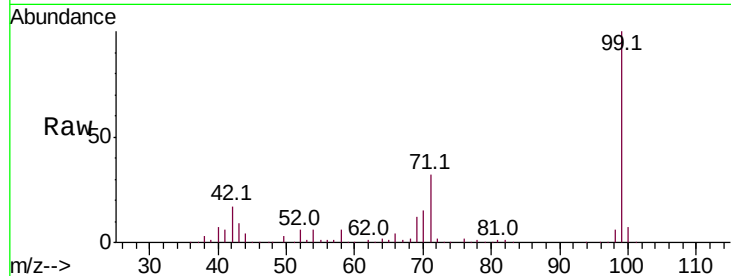
Tot Ion: 99 Resp: 360962

Ion Ratio Lower Upper

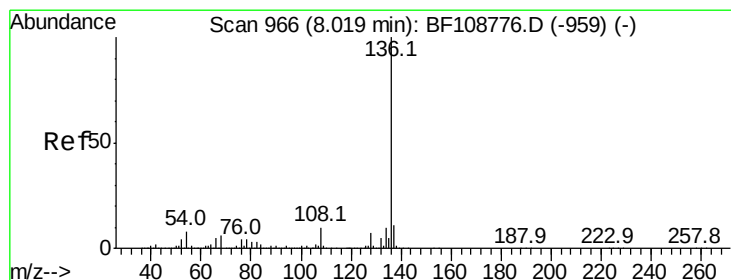
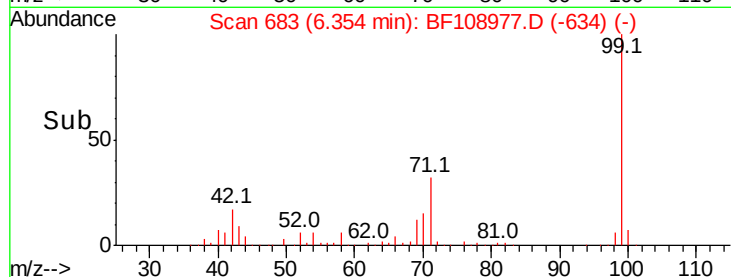
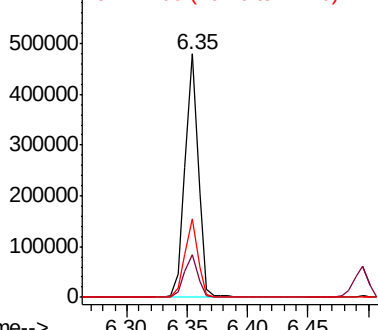
99 100

42 17.4 14.5 21.7

71 32.5 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: 8.01 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

Tgt Ion: 136 Resp: 534877

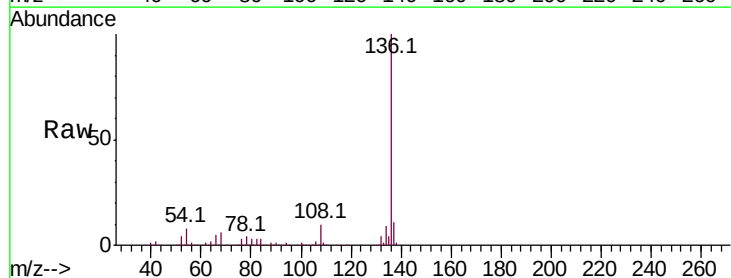
Ion Ratio Lower Upper

136 100

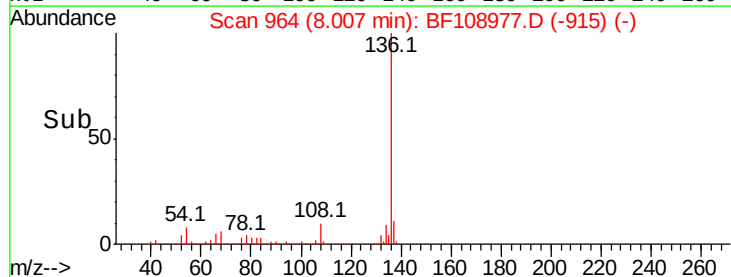
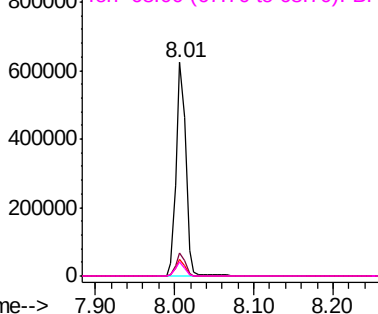
137 11.0 8.9 13.3

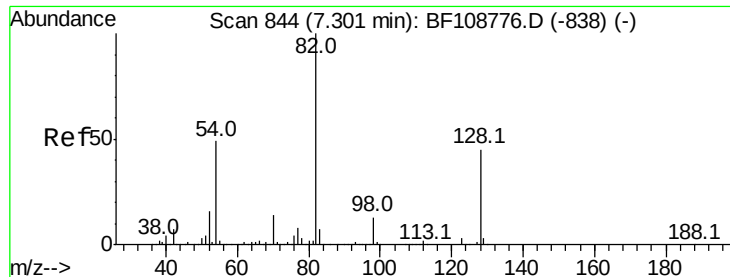
54 7.8 6.6 9.8

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

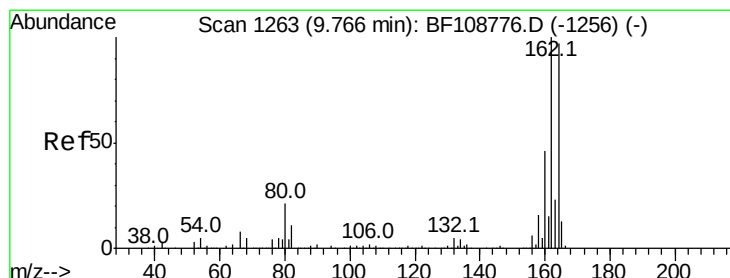
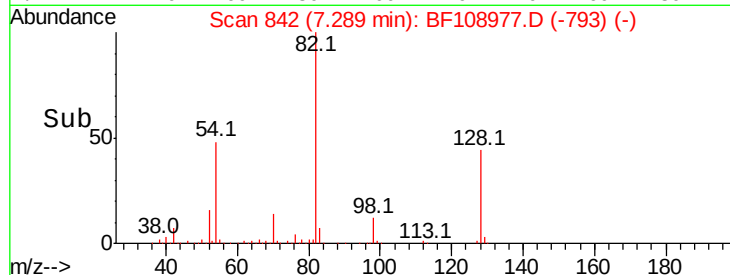
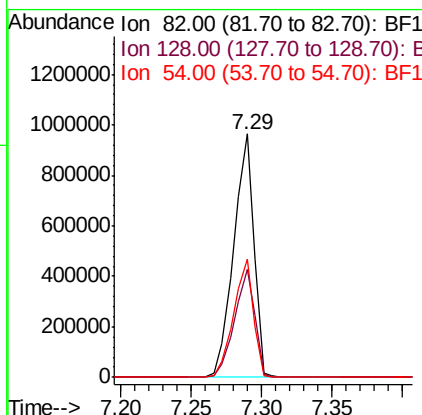
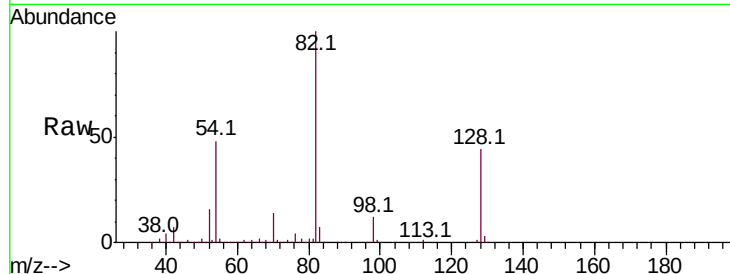




#23  
 Nitrobenzene-d5  
 Concen: 112.807 ng  
 RT: 7.29 min Scan# 842  
 Delta R.T. -0.01 min  
 Lab File: BF108977.D  
 Acq: 13 Sep 2018 21:04

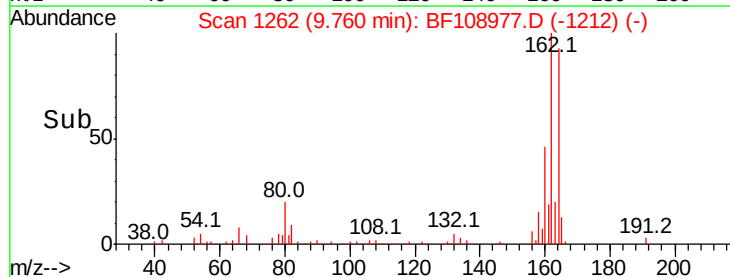
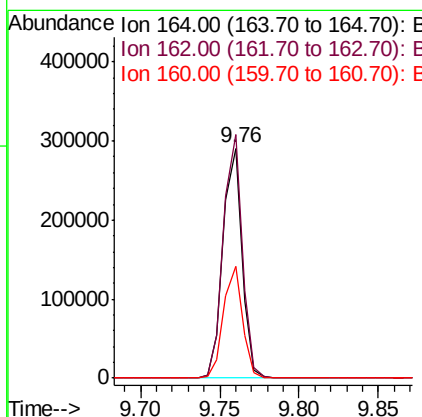
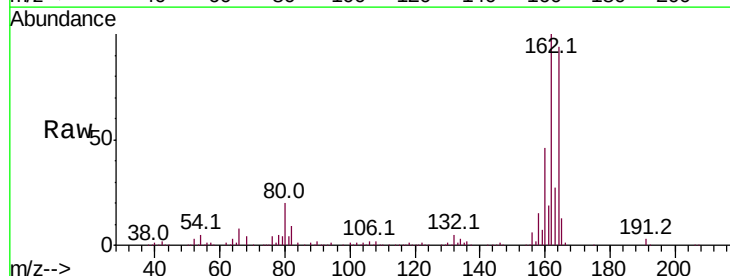
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091118-DBRI-F-D-B

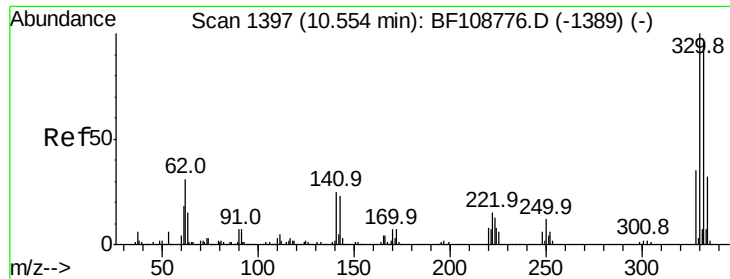
| Tot Ion   | 82    | Resp  | 964160 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.1  | 36.1  | 54.1   |
| 54        | 48.3  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: BF108977.D  
 Acq: 13 Sep 2018 21:04

| Tgt Ion   | 164   | Resp  | 242233 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.1 | 86.1  | 129.1  |
| 160       | 49.0  | 38.3  | 57.5   |

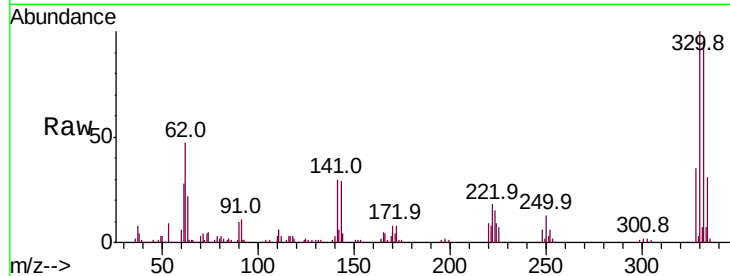




#41  
 2,4,6-Tribromophenol  
 Concen: 111.315 ng  
 RT: 10.54 min Scan# 1395  
 Delta R.T. -0.01 min  
 Lab File: BF108977.D  
 Acq: 13 Sep 2018 21:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091118-DBRI-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.0  | 115.6 |
| 141     | 31.4  | 29.9  | 44.9  |

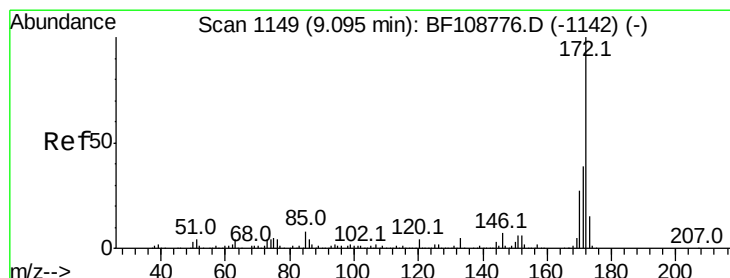
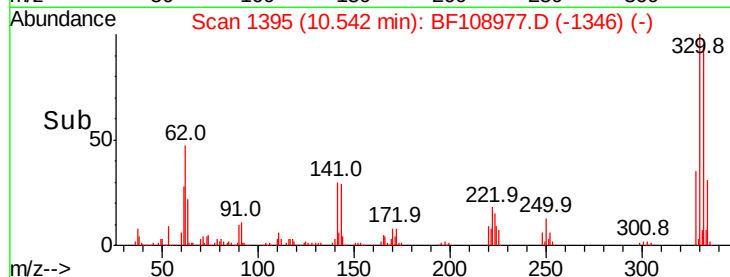
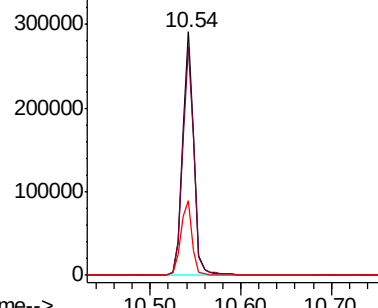


Abundance

Ion 329.80 (329.50 to 330.50): E

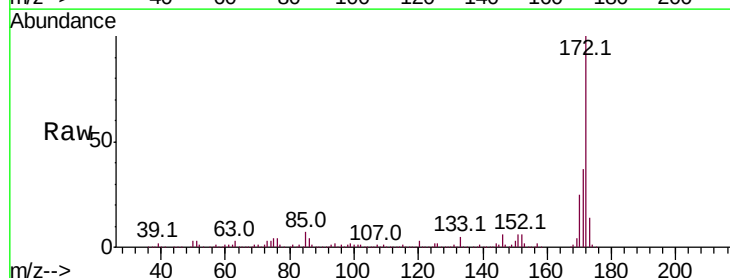
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 110.619 ng  
 RT: 9.09 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BF108977.D  
 Acq: 13 Sep 2018 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.7  | 44.5  |
| 170     | 24.7  | 19.6  | 29.4  |

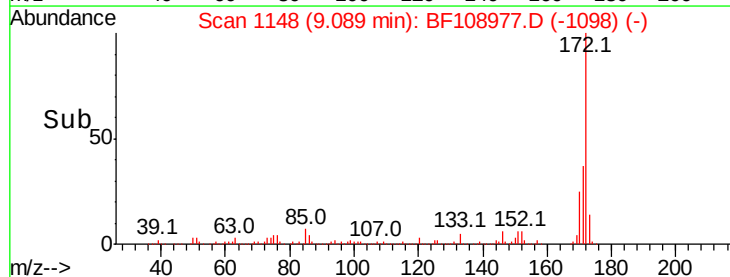
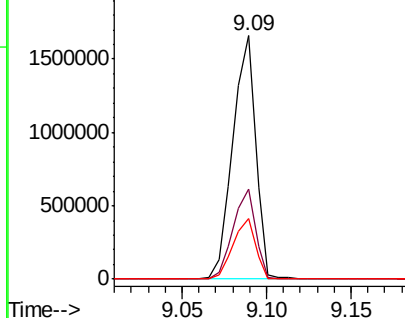


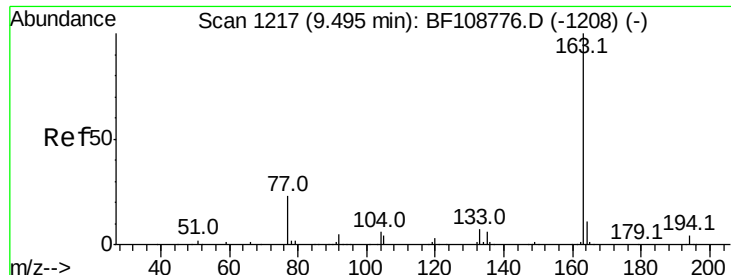
Abundance

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: 10.445 ng

RT: 9.48 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

Instrument :

BNA\_F

ClientSampleId :

091118-DBRI-F-D-B

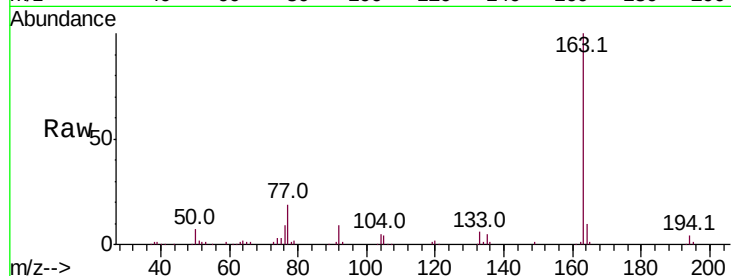
Tot Ion:163 Resp: 176957

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

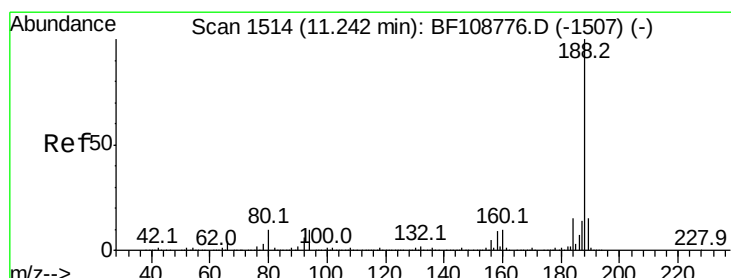
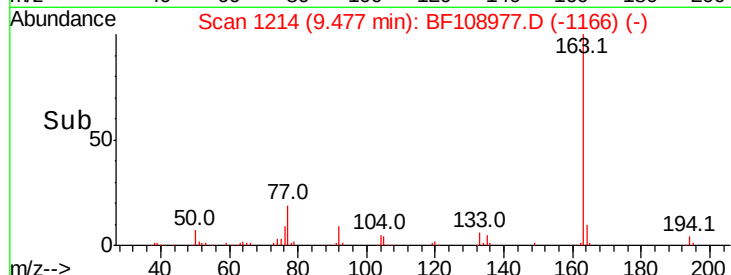
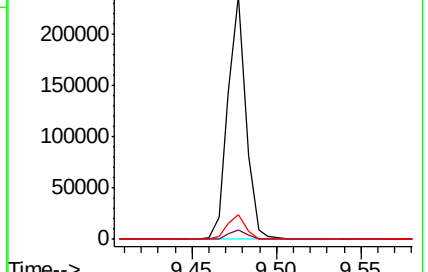
164 10.1 8.2 12.2



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# 1513

Delta R.T. -0.01 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

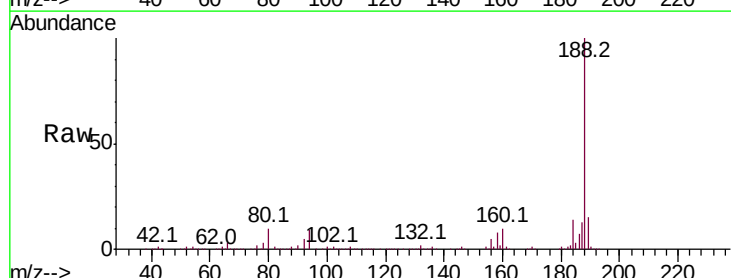
Tgt Ion:188 Resp: 437989

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

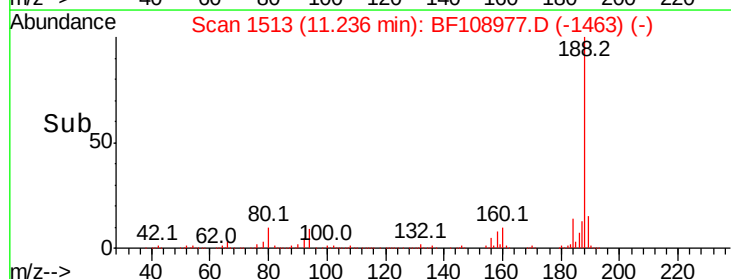
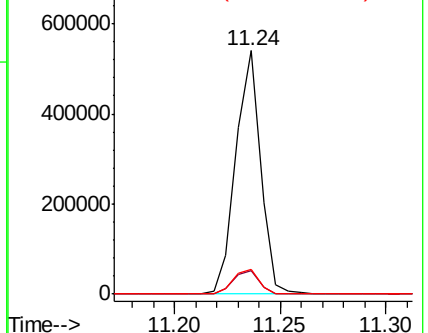
80 10.1 9.2 13.8

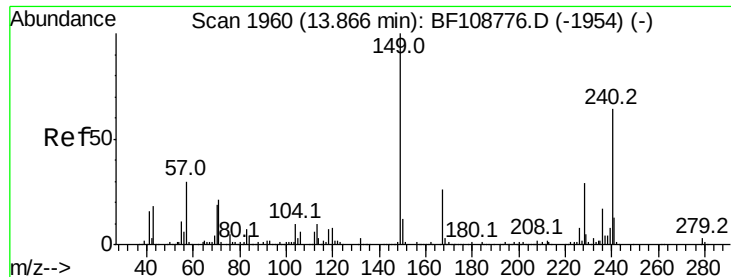


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.86 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

Instrument :

BNA\_F

ClientSampleId :

091118-DBRI-F-D-B

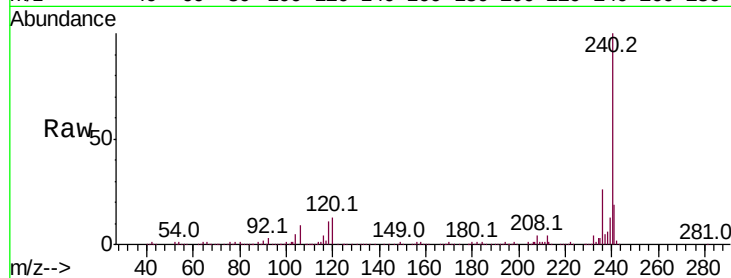
Tot Ion:240 Resp: 358960

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

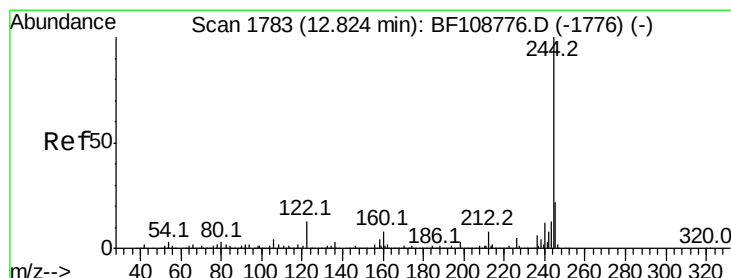
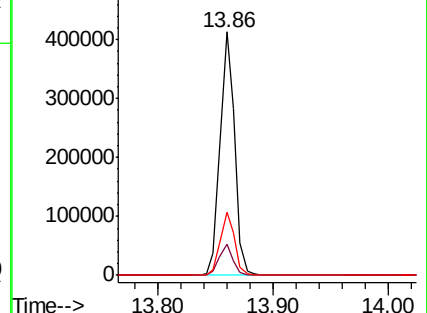
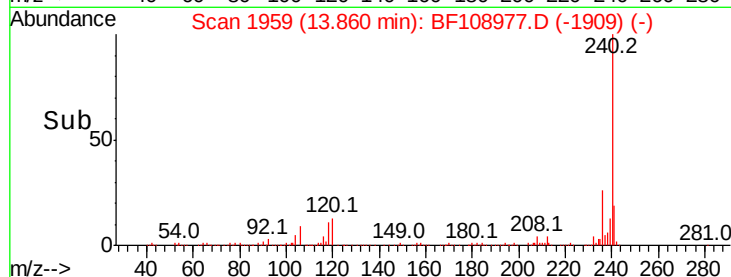
236 25.9 20.7 31.1



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: 95.056 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108977.D

Acq: 13 Sep 2018 21:04

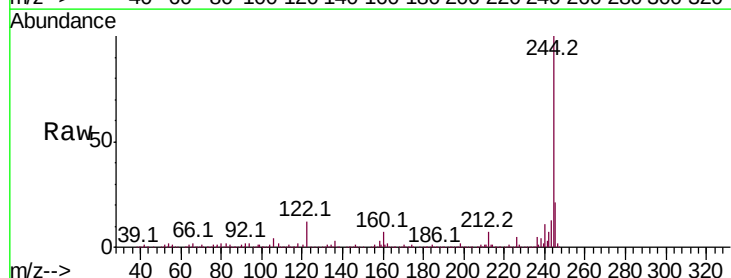
Tgt Ion:244 Resp: 1463235

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

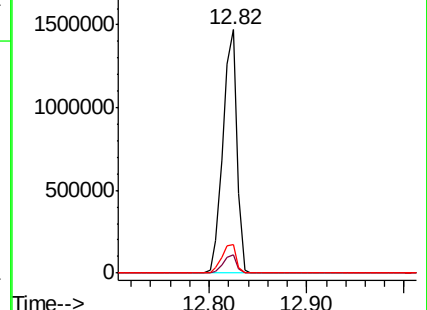
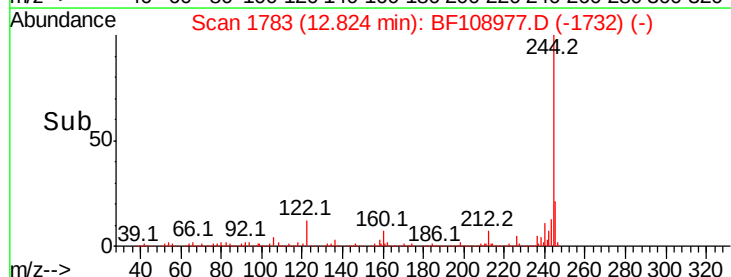
122 11.5 11.0 16.4



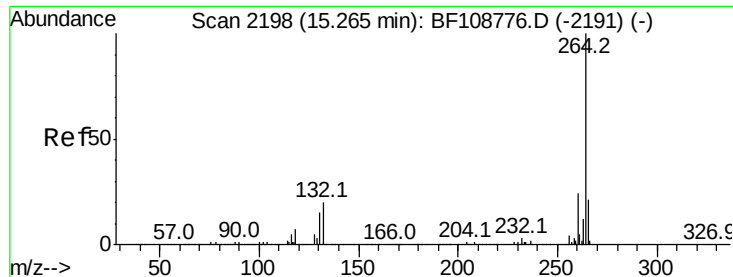
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 2198  
Delta R.T. -0.00 min  
Lab File: BF108977.D  
Acq: 13 Sep 2018 21:04

Instrument :  
BNA\_F  
ClientSampleId :  
091118-DBRI-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

