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 Data File : BF103078.D  
 Acq On : 19 Feb 2018 13:25  
 Operator : SJ/JU  
 Sample : J1575-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-B

Quant Time: Feb 19 16:50:35 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 14:34:49 2018  
 Response via : Initial Calibration

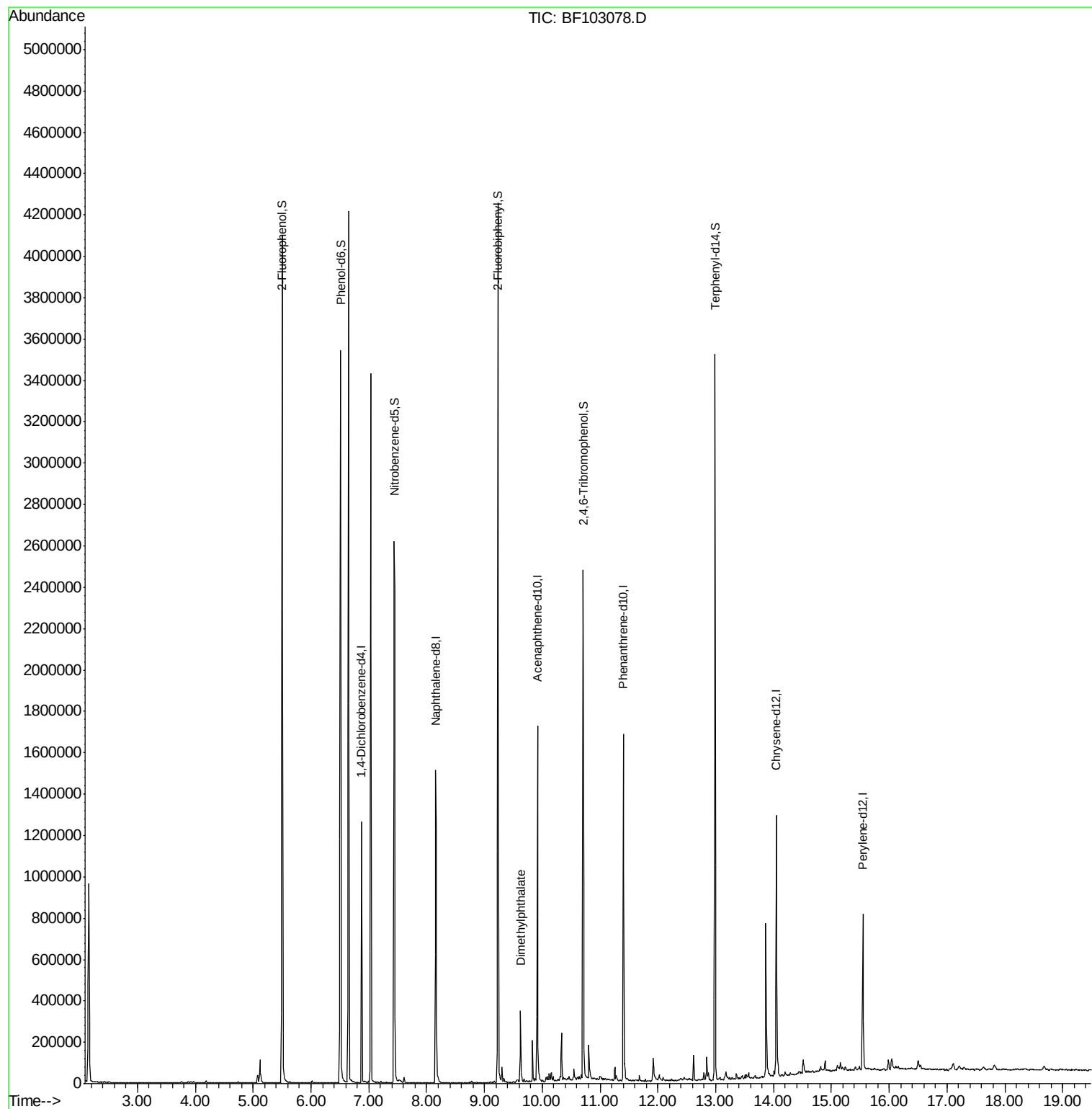
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 168194   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.16  | 136  | 707709   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.92  | 164  | 325483   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.40 | 188  | 573520   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 14.05 | 240  | 403456   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.54 | 264  | 323787   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1198678  | 108.23 | ng    | 0.01         |
| 7) Phenol-d6                | 6.52  | 99   | 1437680  | 107.81 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 944034   | 92.54  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 303895   | 116.00 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1331394  | 67.88  | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.99 | 244  | 1189881  | 69.83  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.62  | 163  | 134952   | 5.318  | ng    | Qvalue<br>99 |

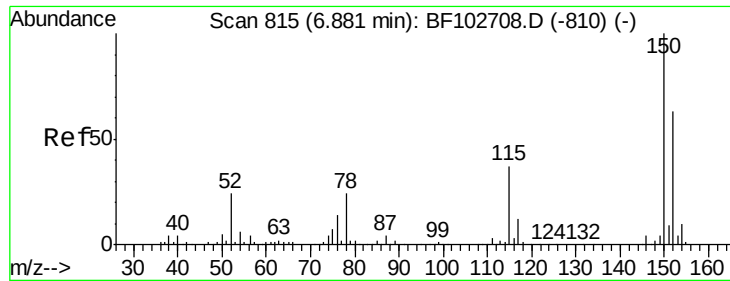
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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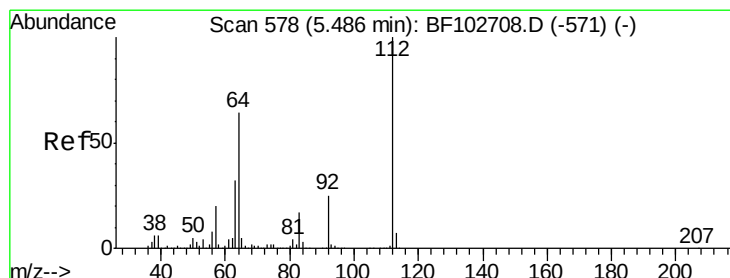
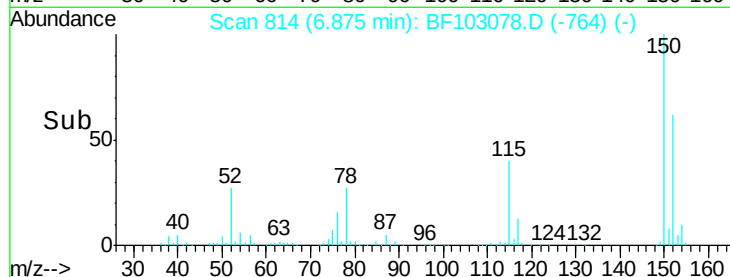
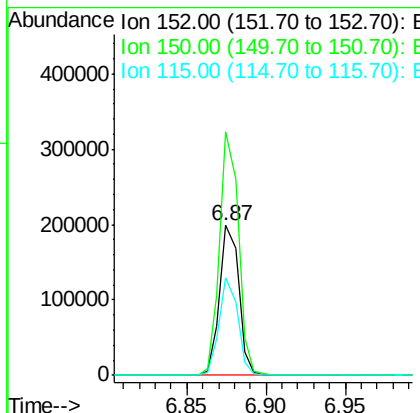
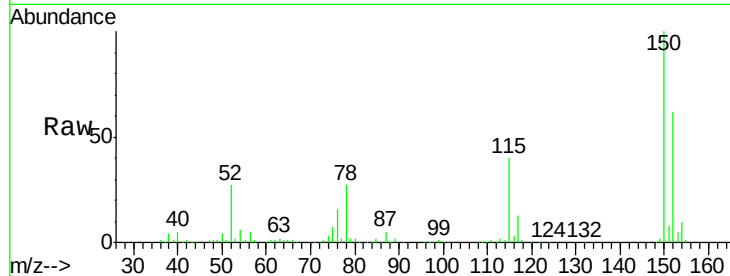


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF103078.D  
 Acq: 19 Feb 2018 13:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-B

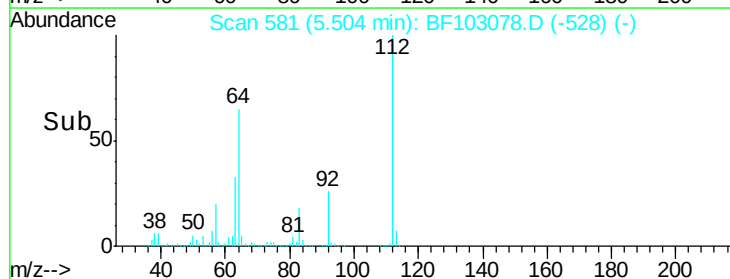
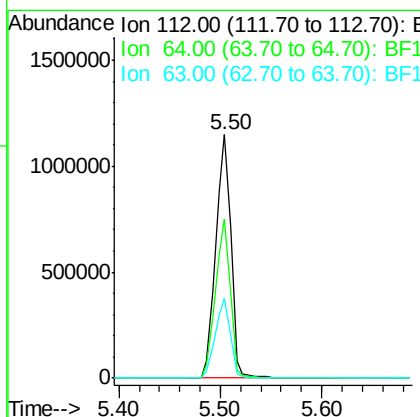
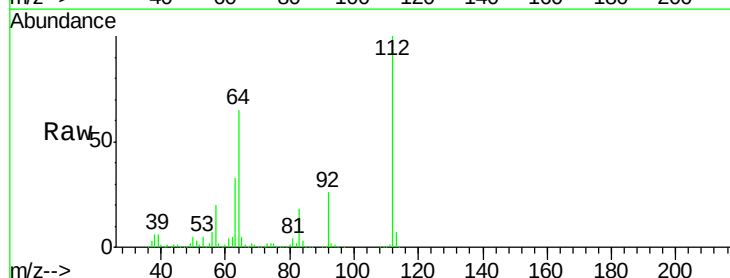
Tgt Ion:152 Resp: 168194  
 Ion Ratio Lower Upper  
 152 100  
 150 162.5 124.6 186.8  
 115 65.3 50.1 75.1

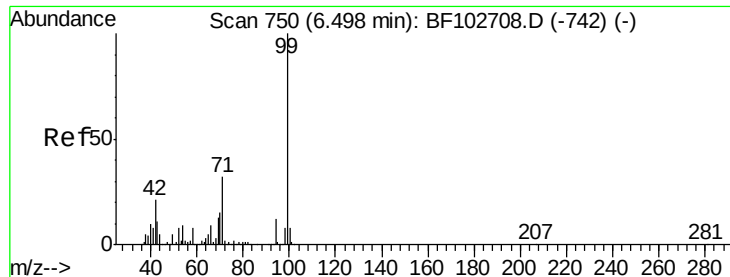


#5

2-Fluorophenol  
 Concen: 108.232 ng  
 RT: 5.50 min Scan# 581  
 Delta R.T. 0.01 min  
 Lab File: BF103078.D  
 Acq: 19 Feb 2018 13:25

Tgt Ion:112 Resp: 1198678  
 Ion Ratio Lower Upper  
 112 100  
 64 65.1 47.9 71.9  
 63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 107.811 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-B

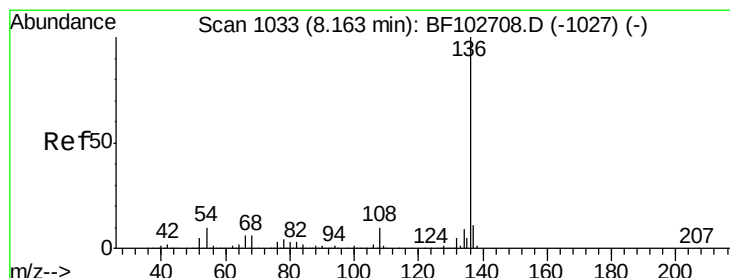
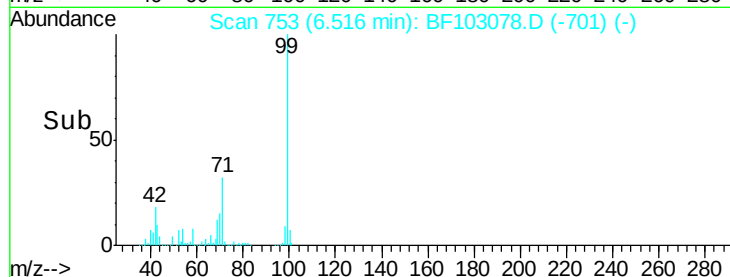
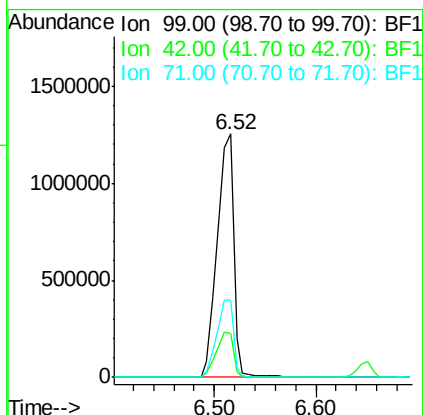
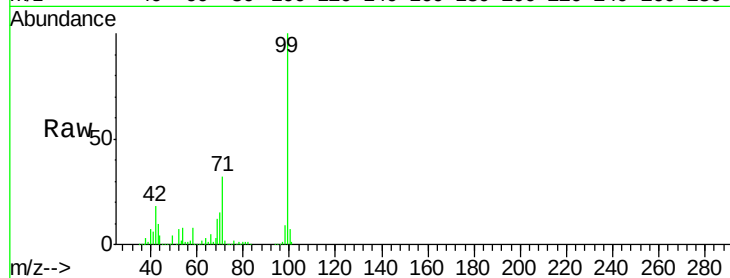
Tgt Ion: 99 Resp: 1437680

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 31.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Tgt Ion: 136 Resp: 707709

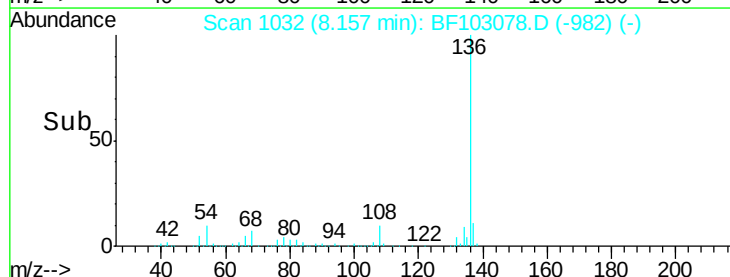
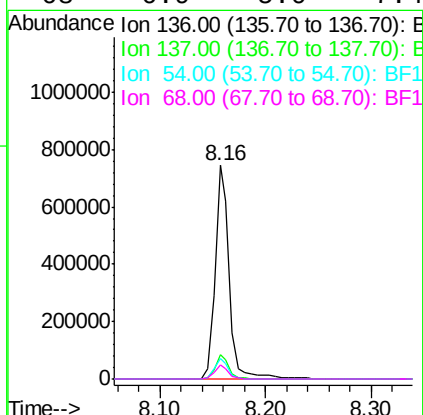
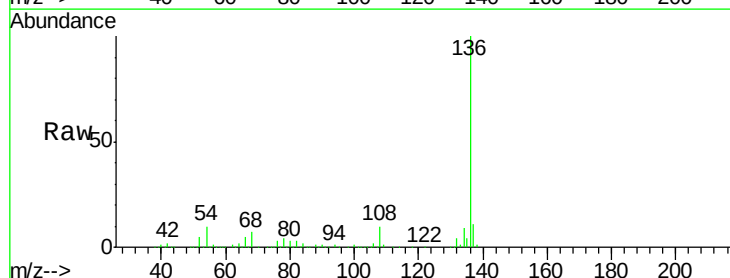
Ion Ratio Lower Upper

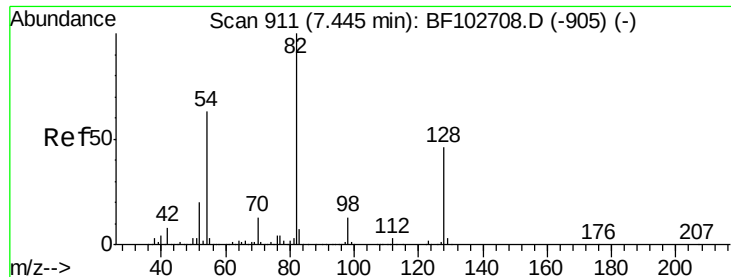
136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

68 6.9 5.0 7.4

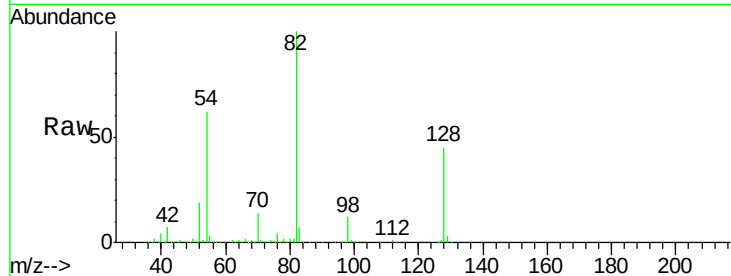




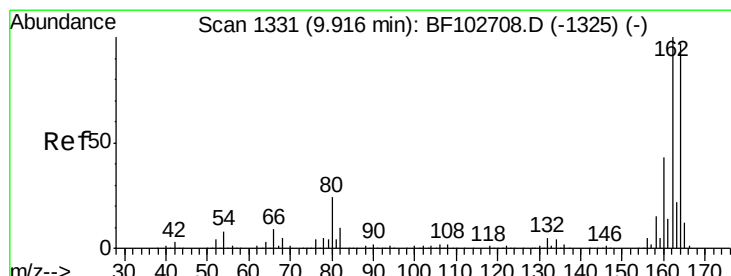
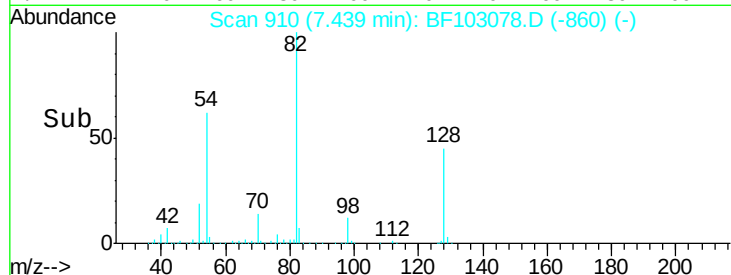
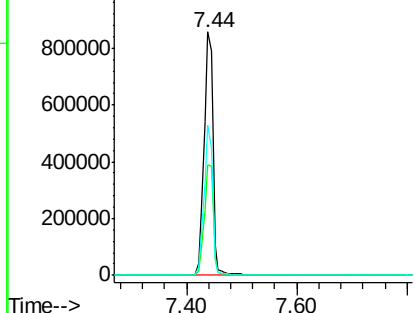
#23  
Nitrobenzene-d5  
Concen: 92.535 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.01 min  
Lab File: BF103078.D  
Acq: 19 Feb 2018 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-B

Tgt Ion: 82 Resp: 944034  
Ion Ratio Lower Upper  
82 100  
128 45.3 36.1 54.1  
54 61.6 41.4 62.2

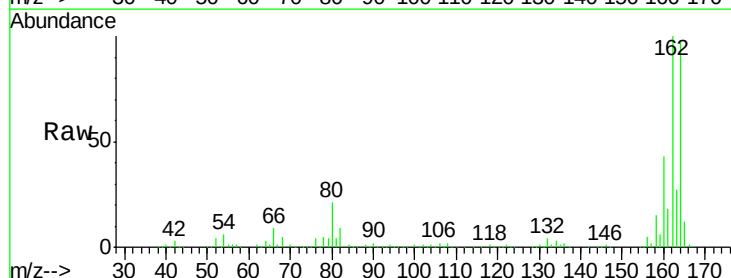


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

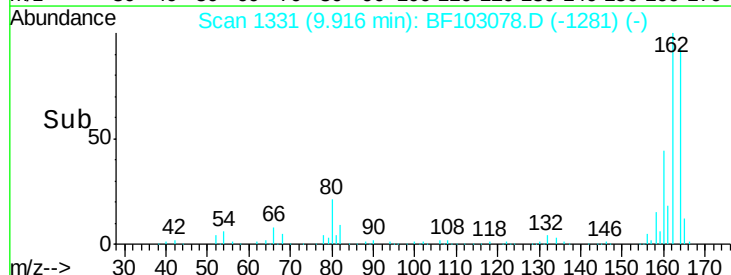
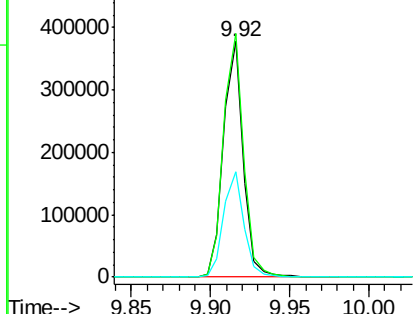


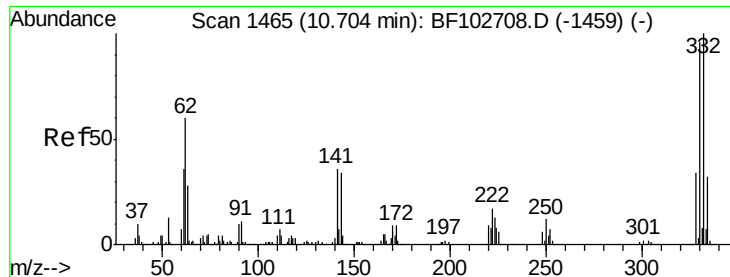
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF103078.D  
Acq: 19 Feb 2018 13:25

Tgt Ion: 164 Resp: 325483  
Ion Ratio Lower Upper  
164 100  
162 103.5 86.1 129.1  
160 45.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

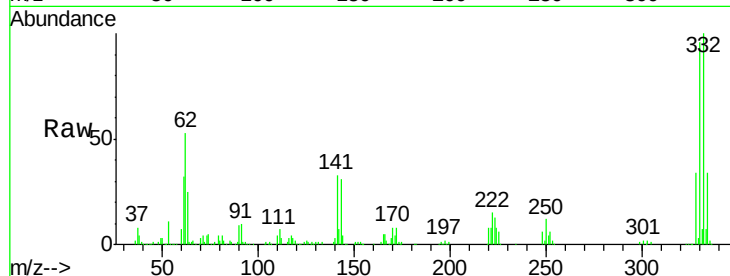




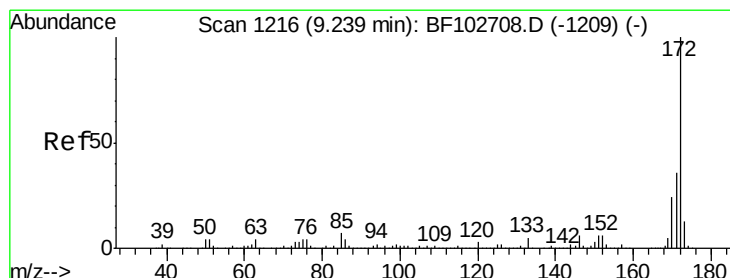
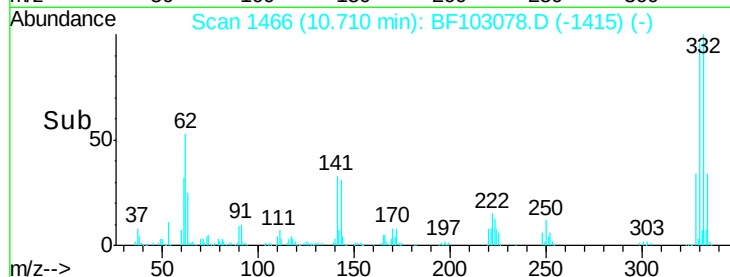
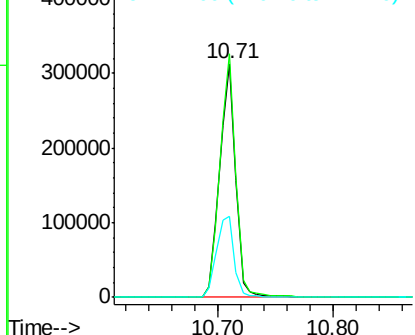
#41  
 2,4,6-Tribromophenol  
 Concen: 116.001 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: BF103078.D  
 Acq: 19 Feb 2018 13:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-B

Tgt Ion:330 Resp: 303895  
 Ion Ratio Lower Upper  
 330 100  
 332 103.1 77.0 115.6  
 141 38.4 29.9 44.9

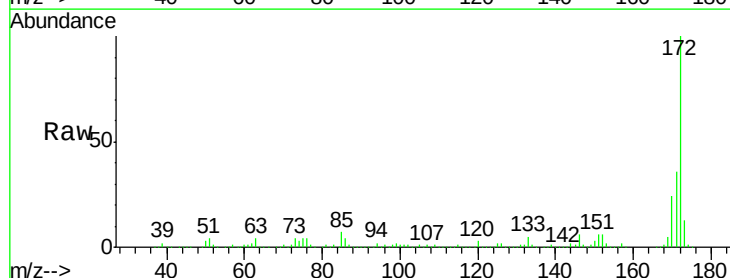


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

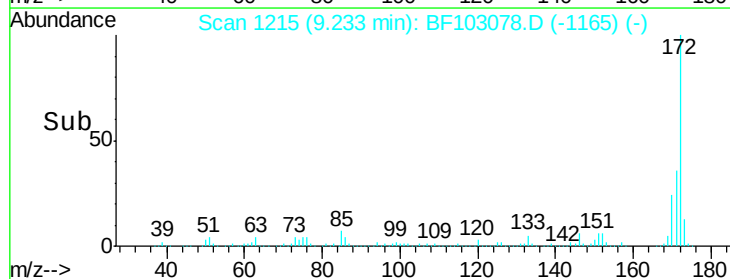
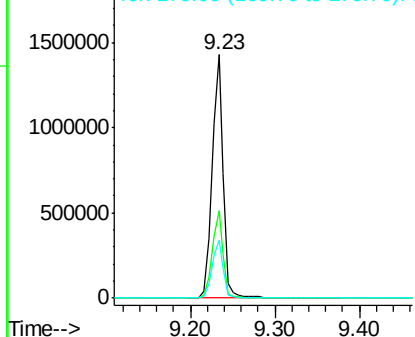


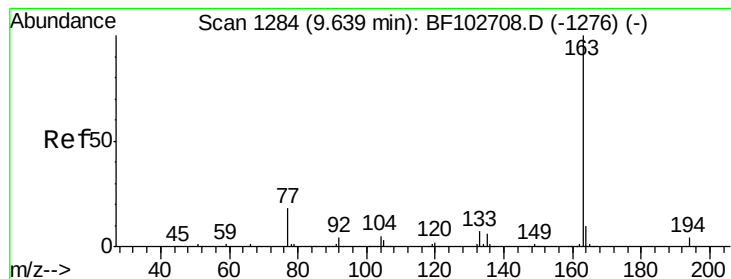
#44  
 2-Fluorobiphenyl  
 Concen: 67.876 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF103078.D  
 Acq: 19 Feb 2018 13:25

Tgt Ion:172 Resp: 1331394  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.0 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: 5.318 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-B

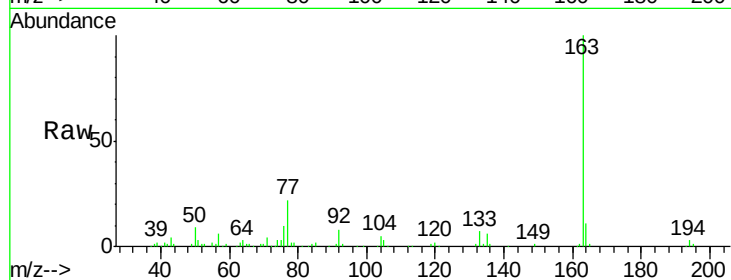
Tgt Ion:163 Resp: 134952

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

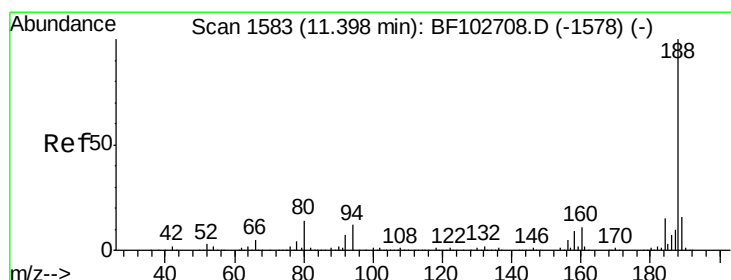
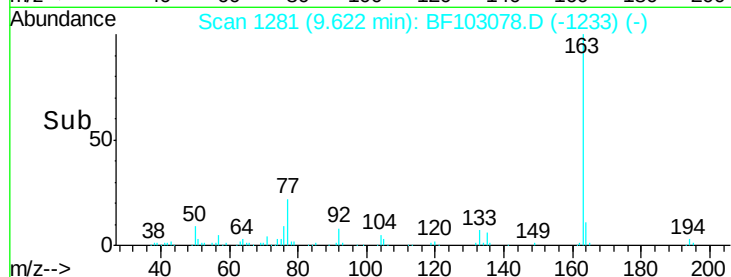
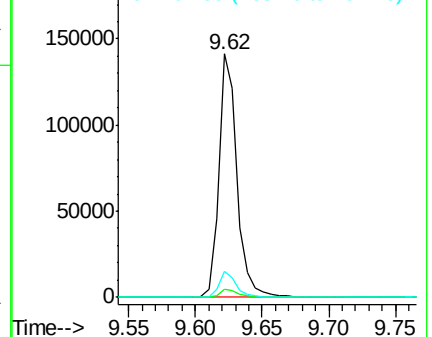
164 10.5 8.2 12.2



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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

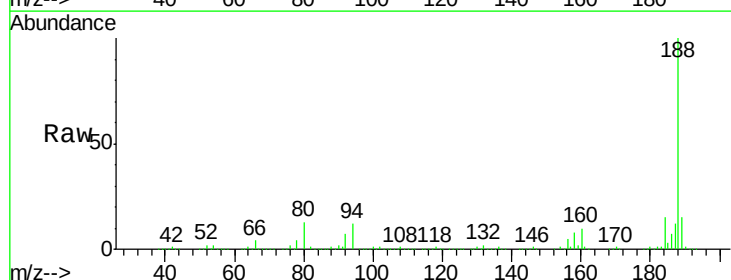
Tgt Ion:188 Resp: 573520

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

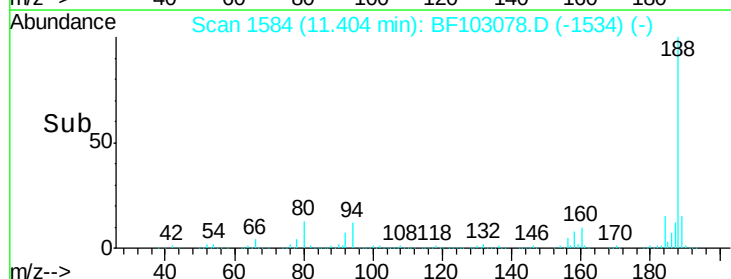
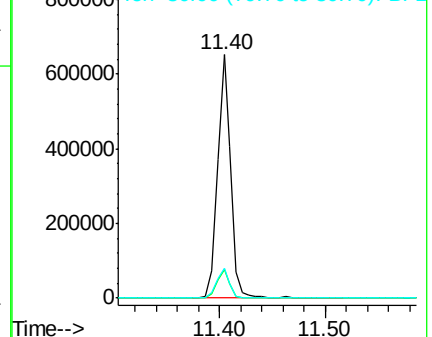
80 12.5 9.2 13.8

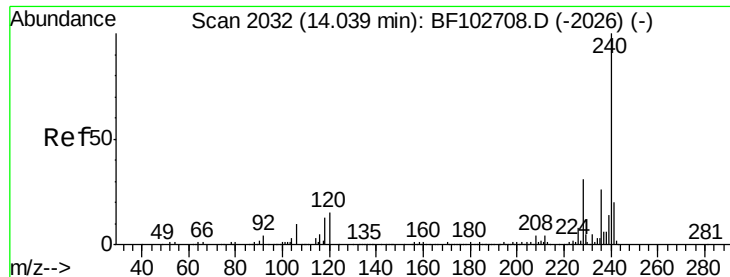


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-B

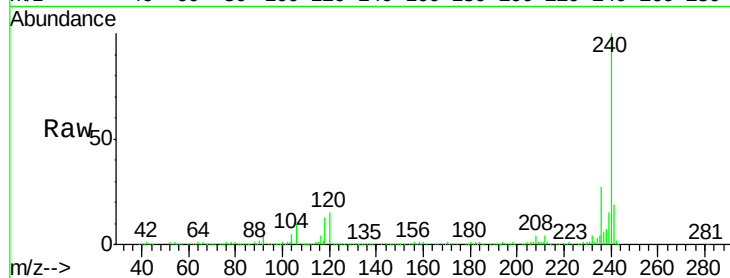
Tgt Ion:240 Resp: 403456

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

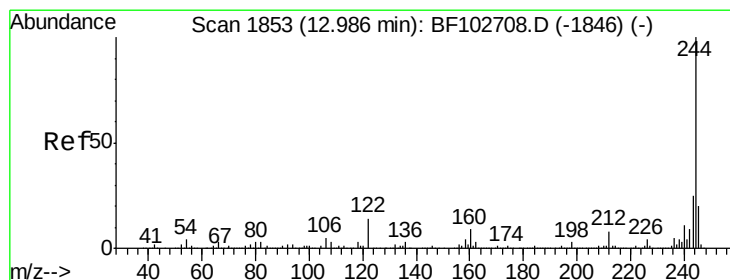
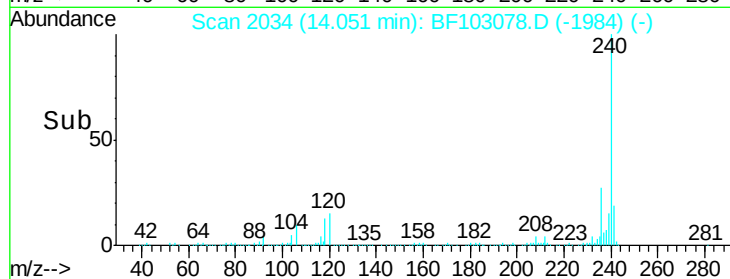
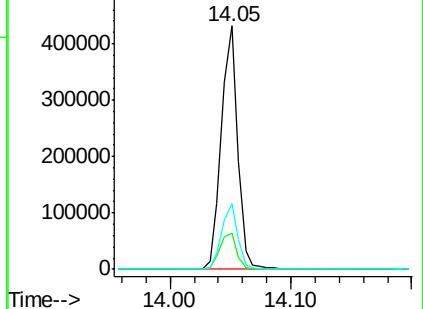
236 27.1 20.7 31.1



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: 69.831 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

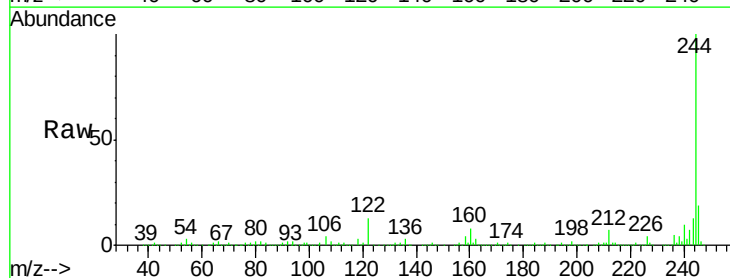
Tgt Ion:244 Resp: 1189881

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

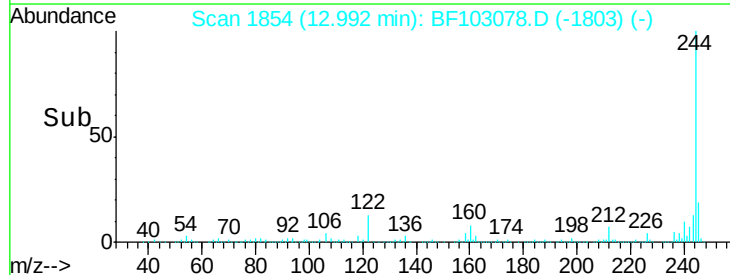
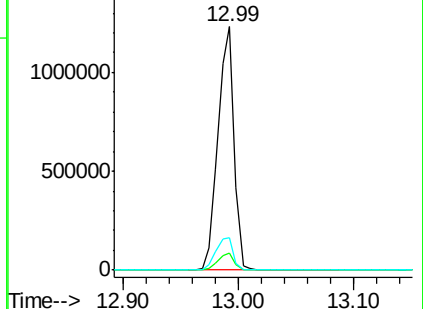
122 13.1 11.0 16.4



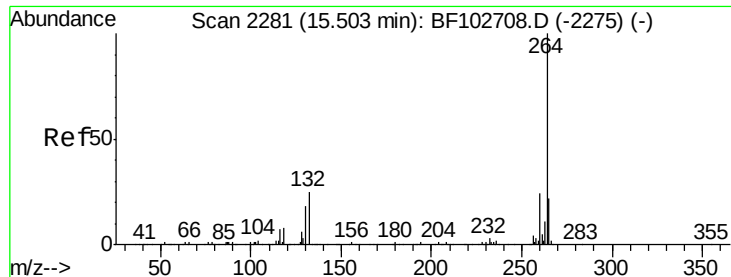
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2288  
Delta R.T. -0.00 min  
Lab File: BF103078.D  
Acq: 19 Feb 2018 13:25

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |

