

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\  
 Data File : BF104961.D  
 Acq On : 1 May 2018 4:44  
 Operator : JU/SJ  
 Sample : J2617-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 042618-DBRI-F-U-B

Quant Time: May 01 07:43:02 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 15:20:08 2018  
 Response via : Initial Calibration

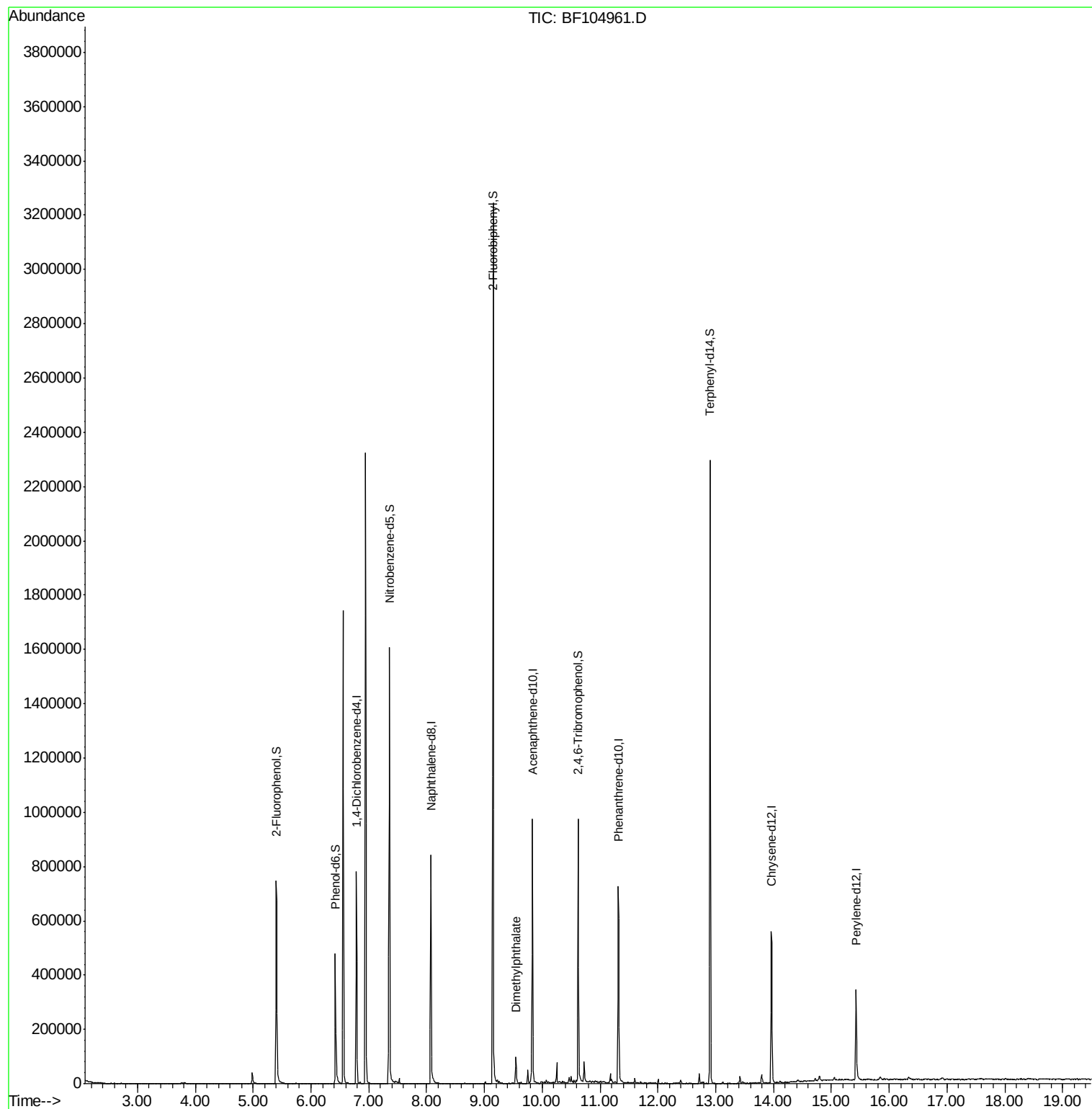
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 112044   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.07  | 136  | 451426   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.83  | 164  | 191586   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.32 | 188  | 287641   | 20.00 | ng    | -0.01     |
| 75) Chrysene-d12            | 13.96 | 240  | 218454   | 20.00 | ng    | -0.01     |
| 86) Perylene-d12            | 15.43 | 264  | 167454   | 20.00 | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.40  | 112  | 252888   | 34.51 | ng    | 0.00      |
| 7) Phenol-d6                | 6.42  | 99   | 190114   | 21.12 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 596595   | 86.30 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 129921   | 65.37 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 1048211  | 86.43 | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.90 | 244  | 761777   | 79.50 | ng    | -0.01     |
| Target Compounds            |       |      |          |       |       |           |
| 49) Dimethylphthalate       | 9.55  | 163  | 45339    | 3.001 | ng    | Qvalue 99 |

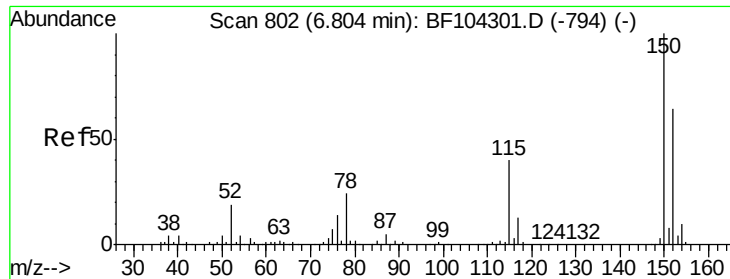
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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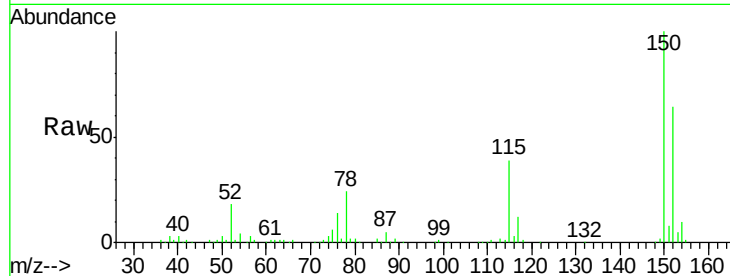


#1

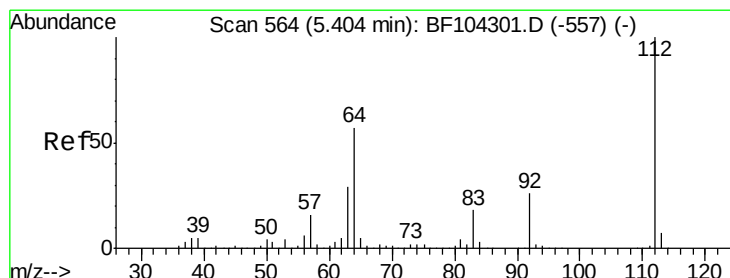
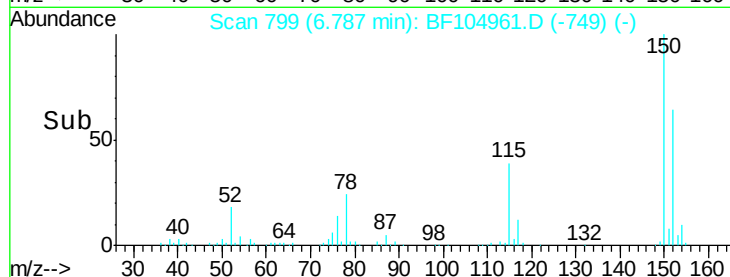
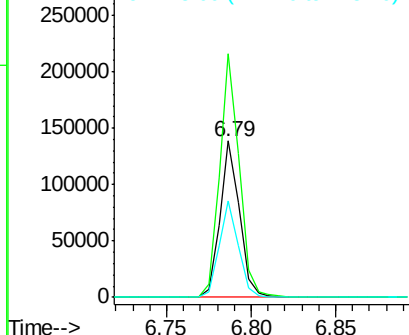
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

Instrument :  
BNA\_F  
ClientSampleId :  
042618-DBRI-F-U-B

Tot Ion:152 Resp: 112044  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 61.4 50.1 75.1



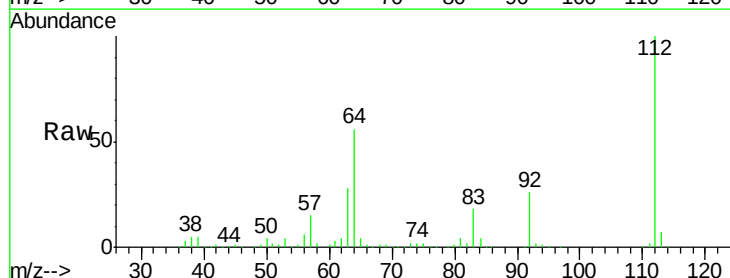
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



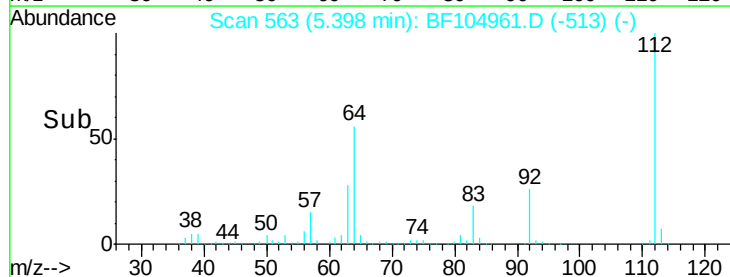
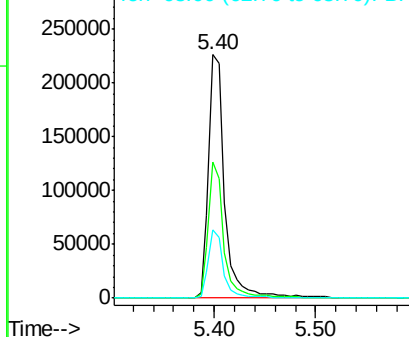
#5

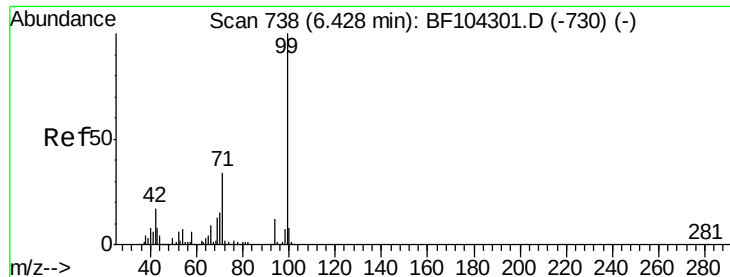
2-Fluorophenol  
Concen: 34.511 ng  
RT: 5.40 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

Tgt Ion:112 Resp: 252888  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.9 71.9  
63 28.0 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: 21.116 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104961.D

Acq: 1 May 2018 4:44

Instrument :

BNA\_F

ClientSampleId :

042618-DBRI-F-U-B

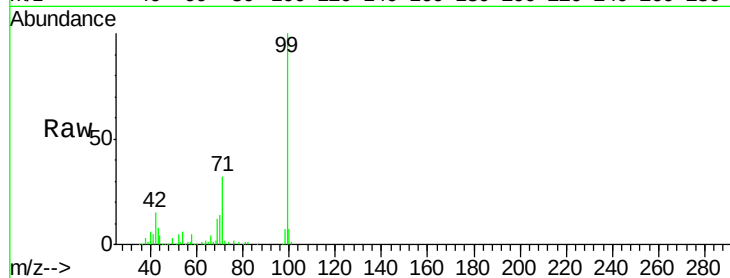
Tot Ion: 99 Resp: 190114

Ion Ratio Lower Upper

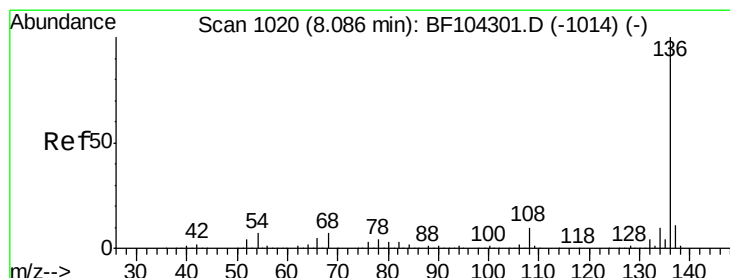
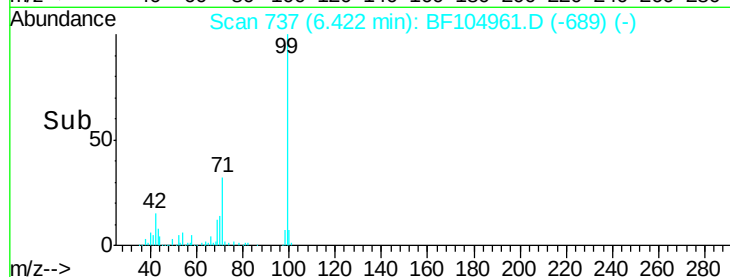
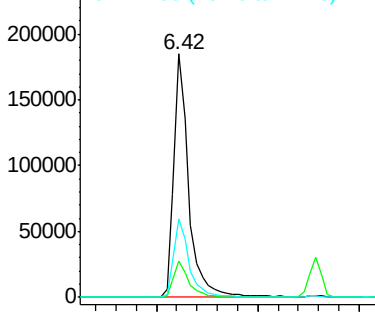
99 100

42 15.1 14.5 21.7

71 32.1 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: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104961.D

Acq: 1 May 2018 4:44

Tgt Ion: 136 Resp: 451426

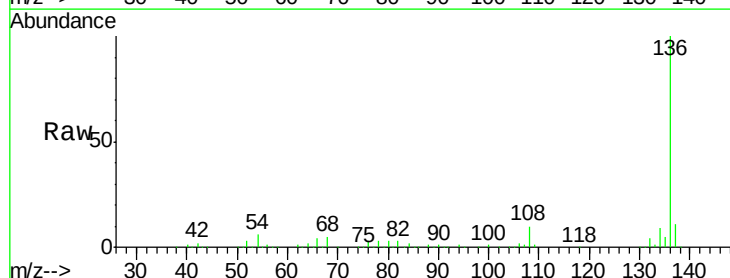
Ion Ratio Lower Upper

136 100

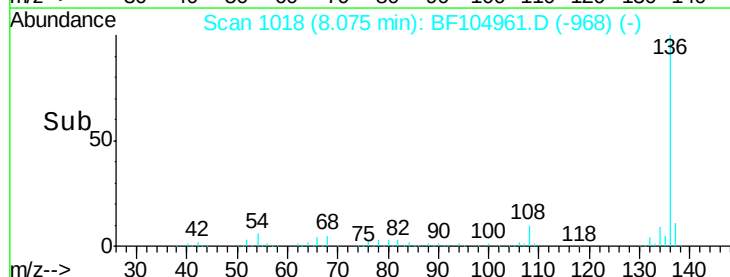
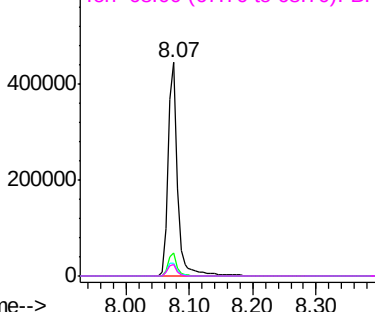
137 10.8 8.9 13.3

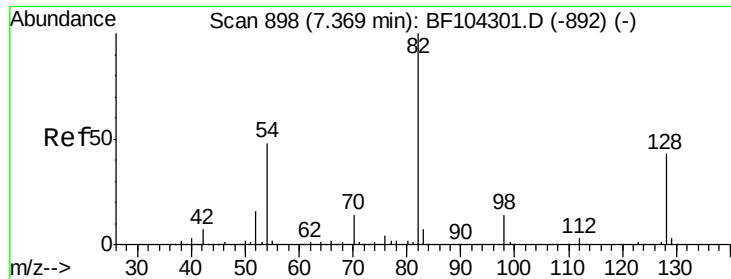
54 5.7 6.6 9.8#

68 5.3 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

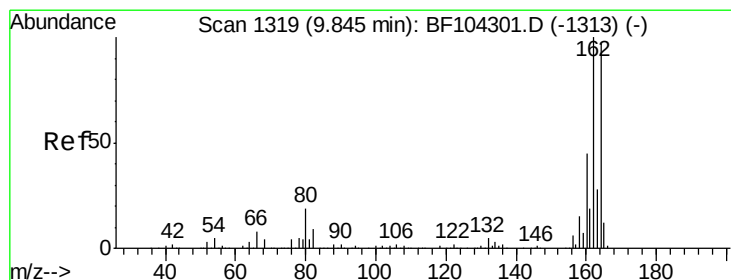
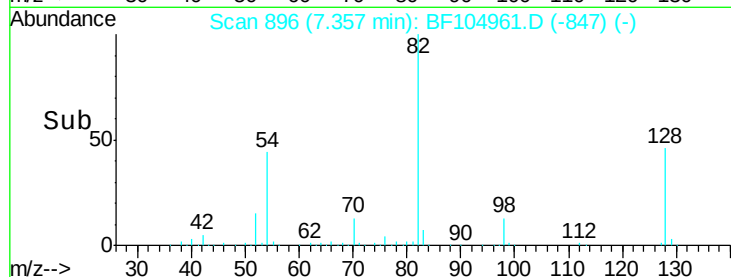
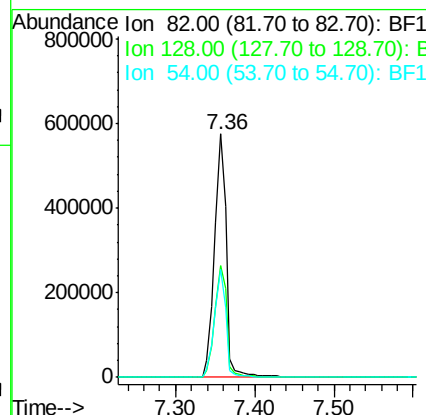
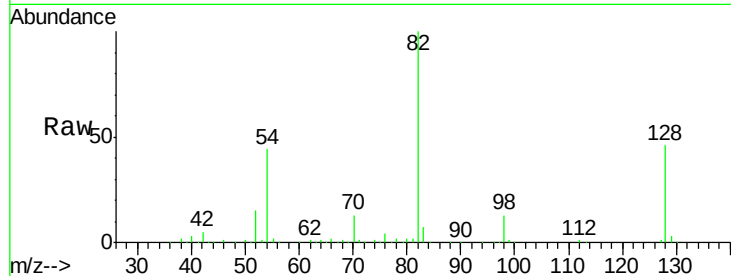




#23  
 Nitrobenzene-d5  
 Concen: 86.297 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BF104961.D  
 Acq: 1 May 2018 4:44

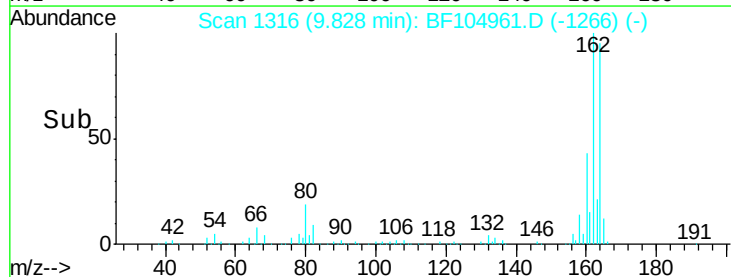
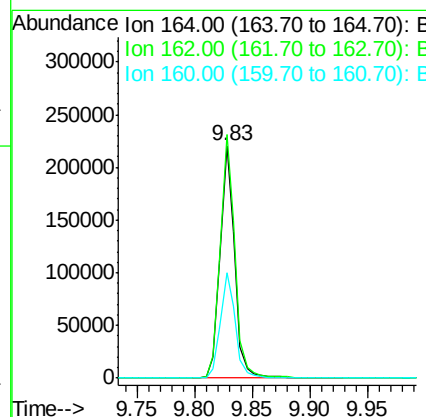
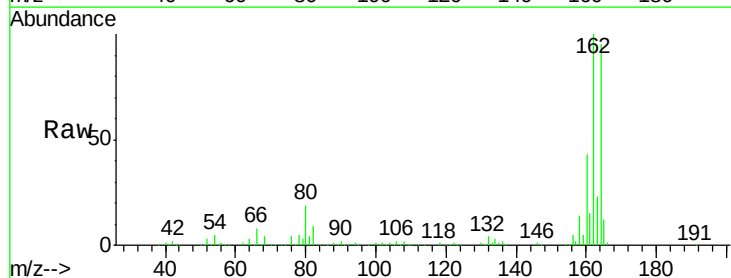
Instrument :  
 BNA\_F  
 ClientSampleId :  
 042618-DBRI-F-U-B

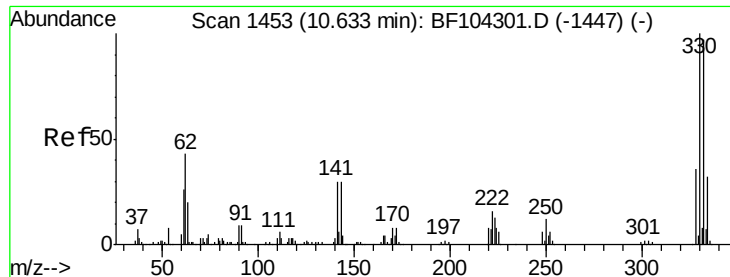
| Tot Ion   | 82   | Resp | 596595 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.1 |      |        |
| Upper     | 54.1 |      |        |
| 54        | 44.2 | 41.4 | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF104961.D  
 Acq: 1 May 2018 4:44

| Tgt Ion   | 164   | Resp | 191586 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 86.1  |      |        |
| Upper     | 129.1 |      |        |
| 162       | 104.8 | 38.3 | 57.5   |
| 160       | 45.4  |      |        |





#41

2,4,6-Tribromophenol

Concen: 65.373 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF104961.D

Acq: 1 May 2018 4:44

Instrument :

BNA\_F

ClientSampleId :

042618-DBRI-F-U-B

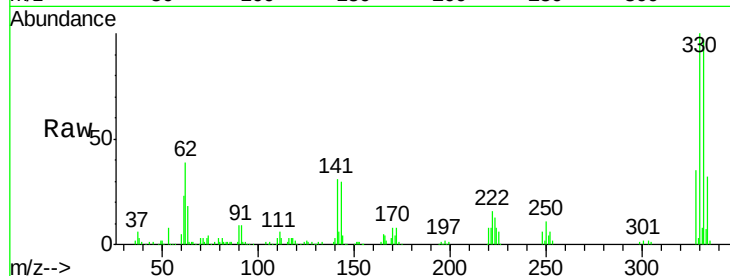
Tot Ion:330 Resp: 129921

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

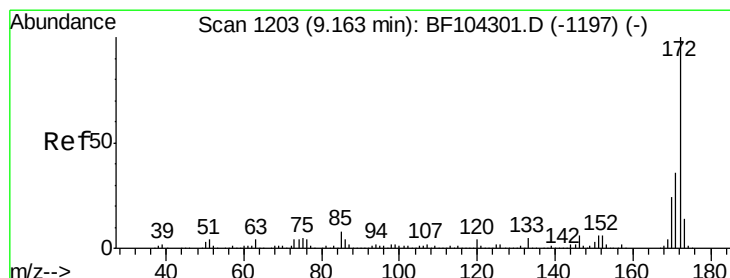
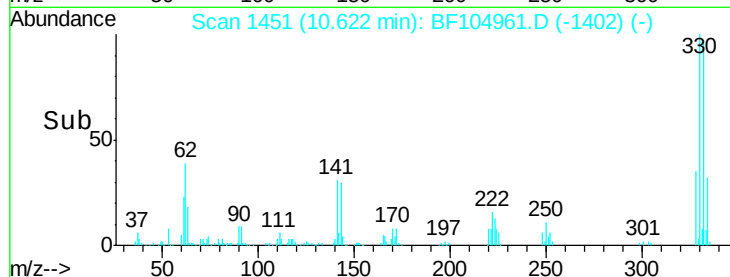
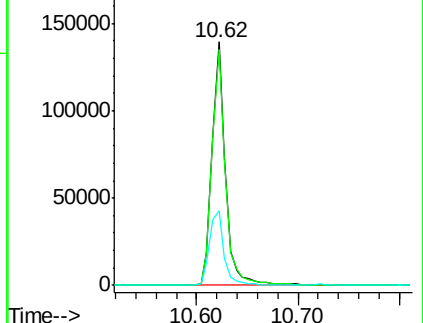
141 33.4 29.9 44.9



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: 86.432 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF104961.D

Acq: 1 May 2018 4:44

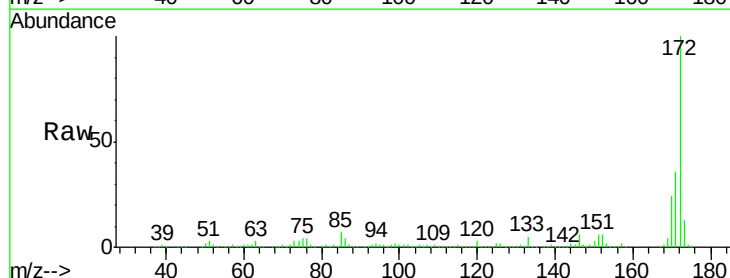
Tgt Ion:172 Resp: 1048211

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

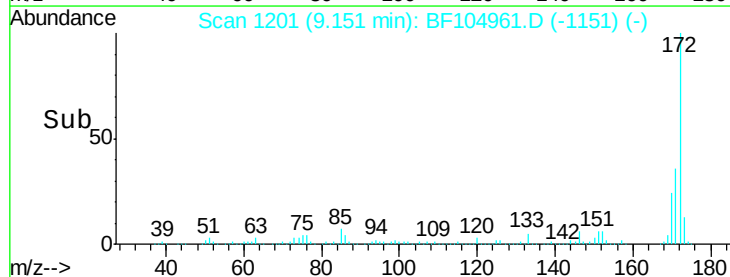
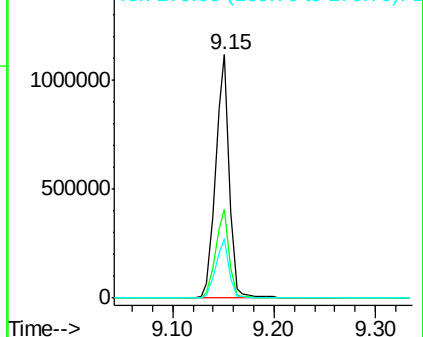
170 24.2 19.6 29.4

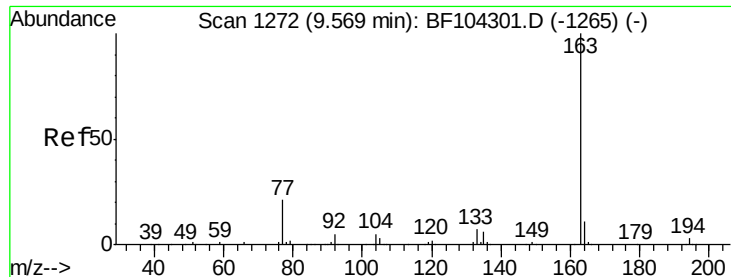


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

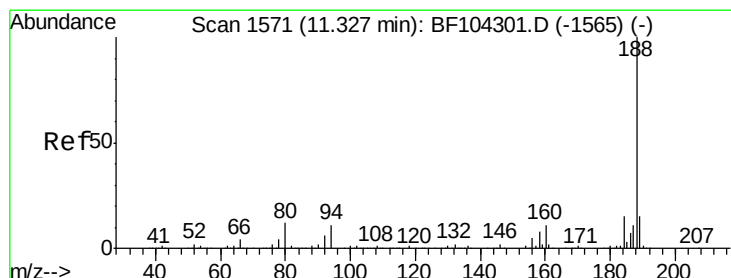
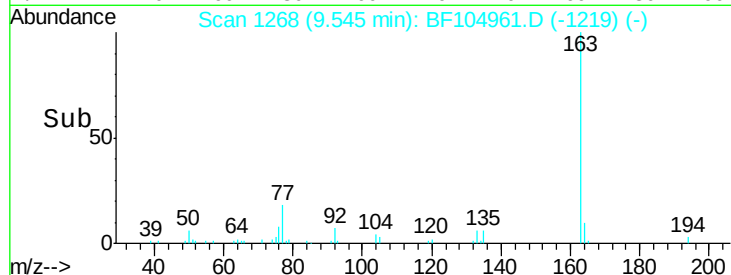
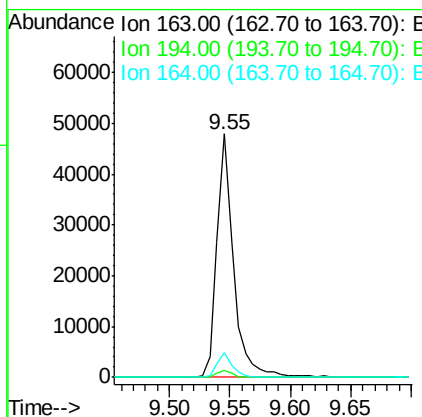
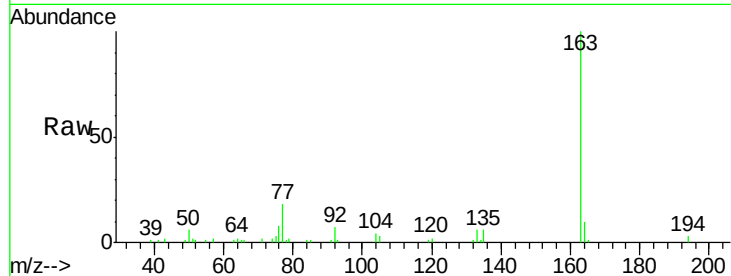




#49  
Dimethylphthalate  
Concen: 3.001 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

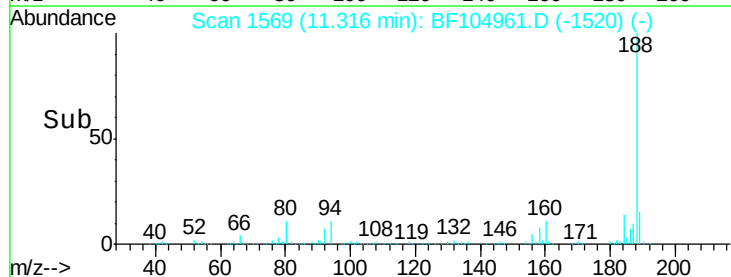
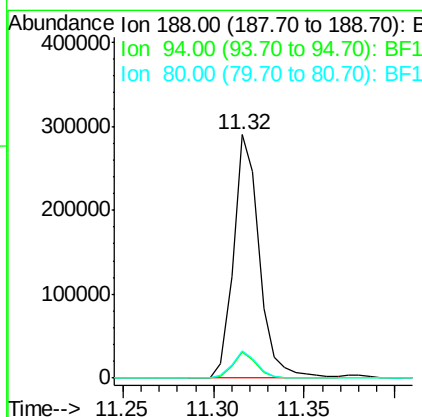
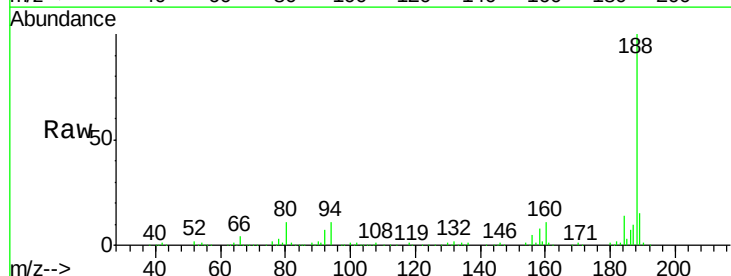
Instrument :  
BNA\_F  
ClientSampleId :  
042618-DBRI-F-U-B

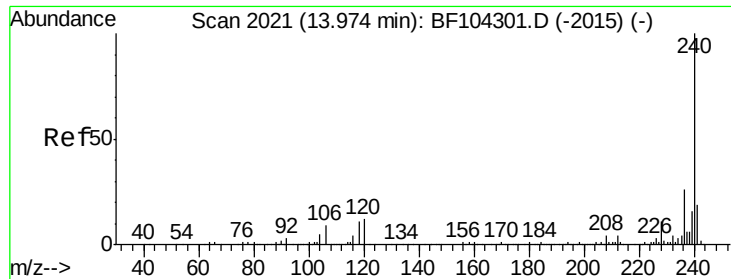
Tot Ion:163 Resp: 45339  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.7 4.1  
164 10.0 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

Tgt Ion:188 Resp: 287641  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 11.2 9.2 13.8

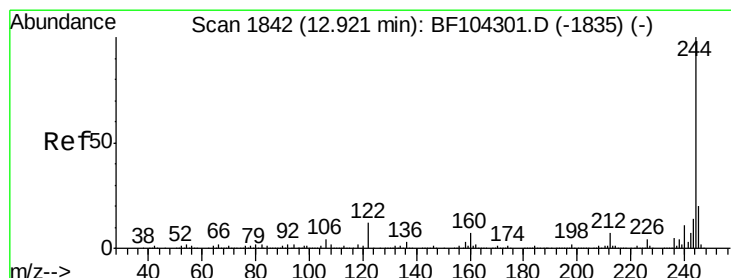
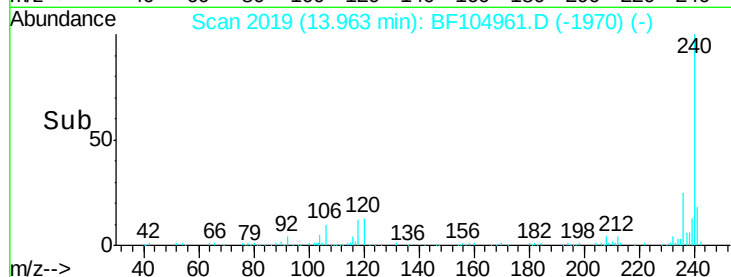
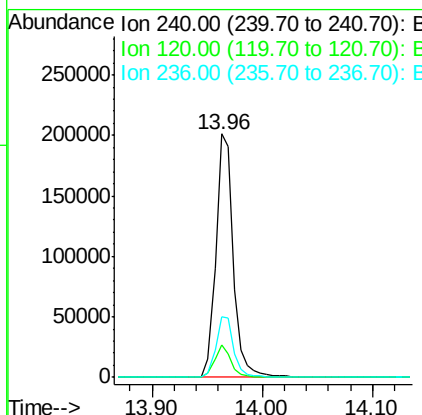
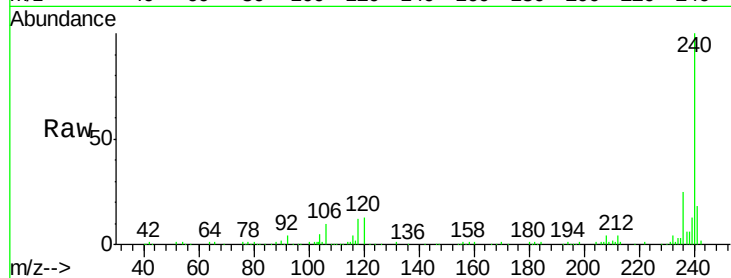




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

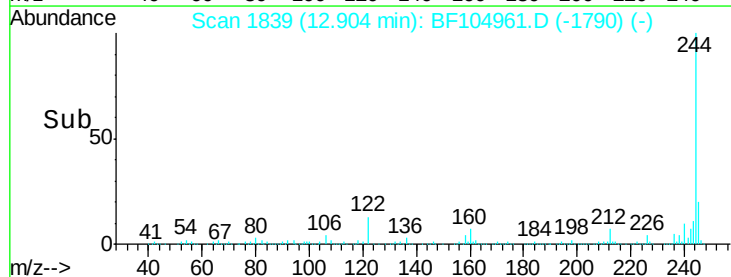
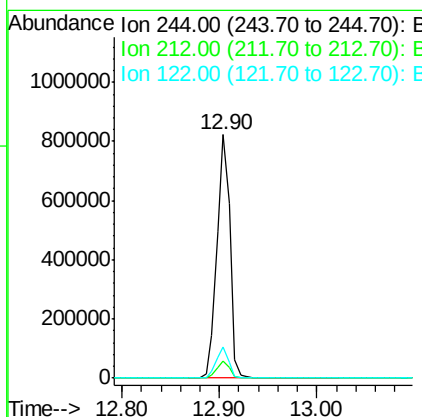
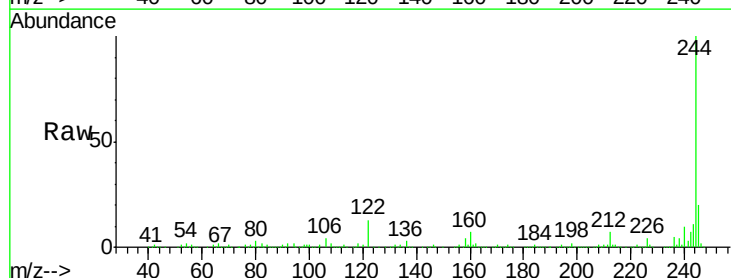
Instrument :  
BNA\_F  
ClientSampleId :  
042618-DBRI-F-U-B

Tot Ion:240 Resp: 218454  
Ion Ratio Lower Upper  
240 100  
120 13.2 9.5 14.3  
236 24.7 20.7 31.1

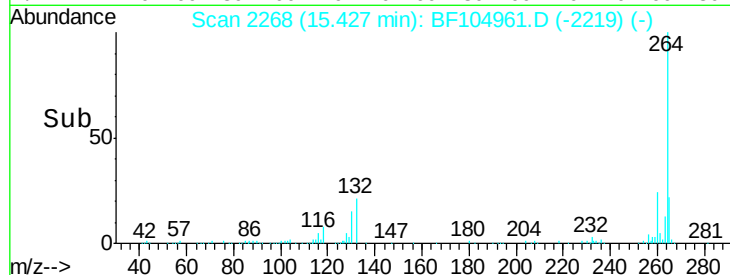
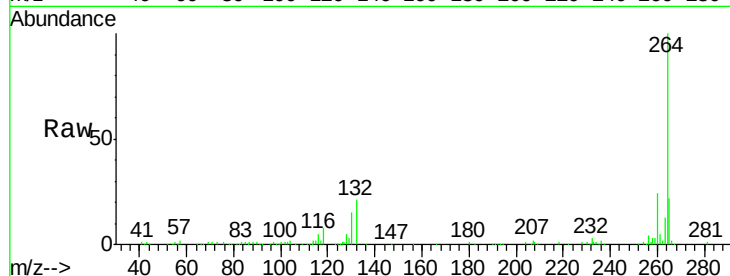
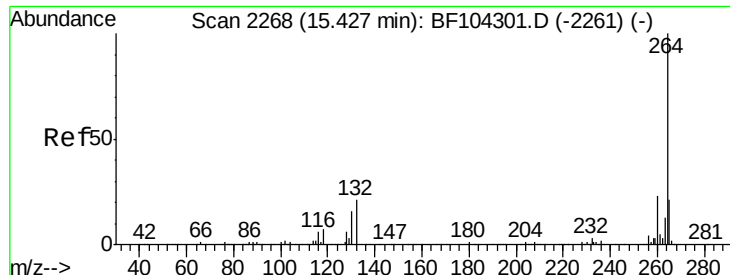


#78  
Terphenyl-d14  
Concen: 79.501 ng  
RT: 12.90 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

Tgt Ion:244 Resp: 761777  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.0  
122 12.8 11.0 16.4







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. -0.01 min  
Lab File: BF104961.D  
Acq: 1 May 2018 4:44

Instrument :  
BNA\_F  
ClientSampleId :  
042618-DBRI-F-U-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 167454 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.5  | 19.2  | 28.8   |
| 265      | 21.6  | 17.5  | 26.3   |

