

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
 Data File : BF103732.D  
 Acq On : 17 Mar 2018 9:52  
 Operator : JU/SJ  
 Sample : J1929-08  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-PIT-2

Quant Time: Mar 19 08:22:40 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 152032   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 577990   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 230810   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 328961   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 278125   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.69 | 264  | 227089   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 1239766  | 124.03 | ng    | 0.02     |
| 7) Phenol-d6                | 6.59  | 99   | 1365063  | 111.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1032336  | 124.55 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 286466   | 144.35 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1577445  | 109.02 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 1155490  | 96.43  | ng    | 0.00     |

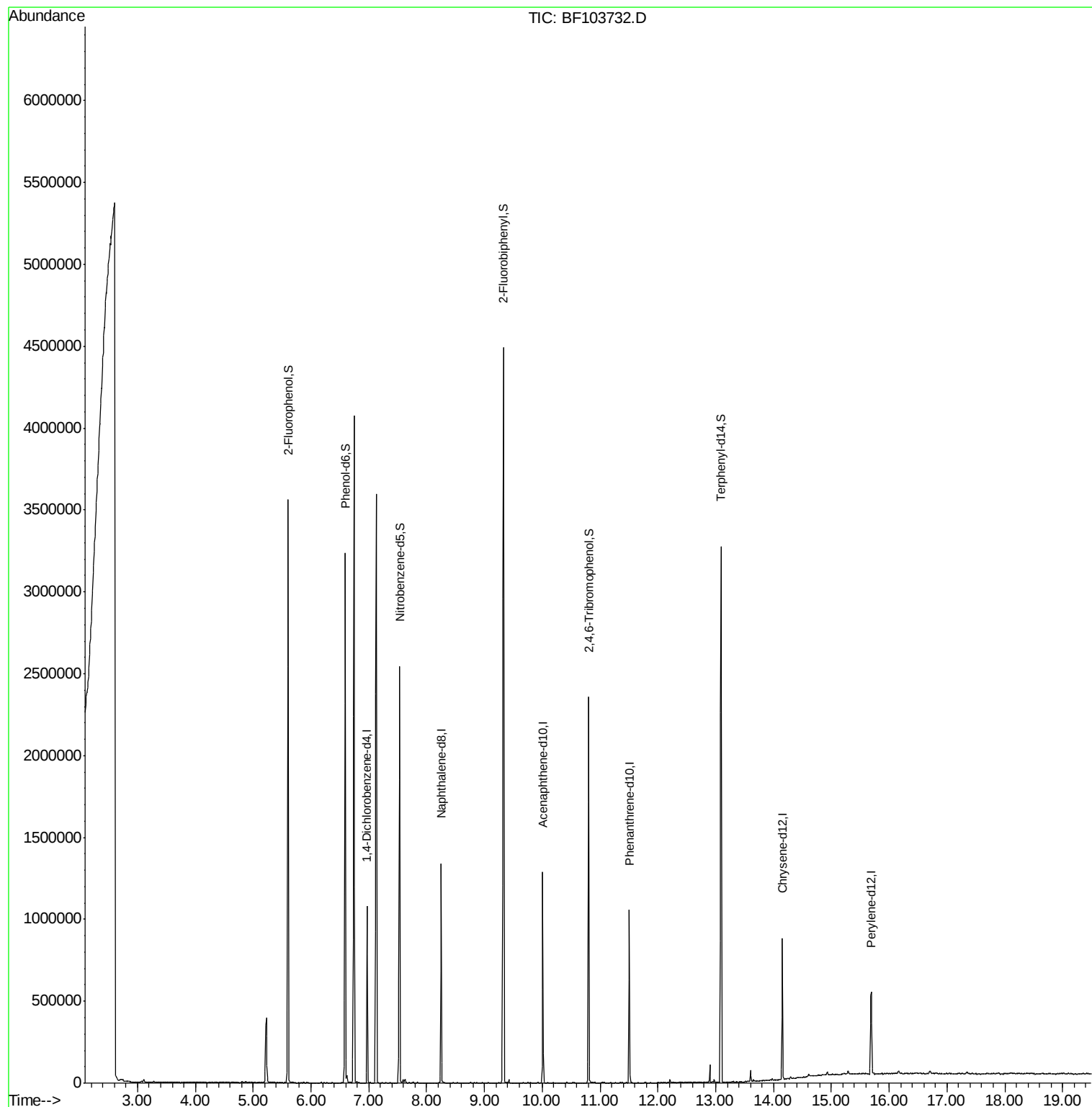
Target Compounds Qvalue

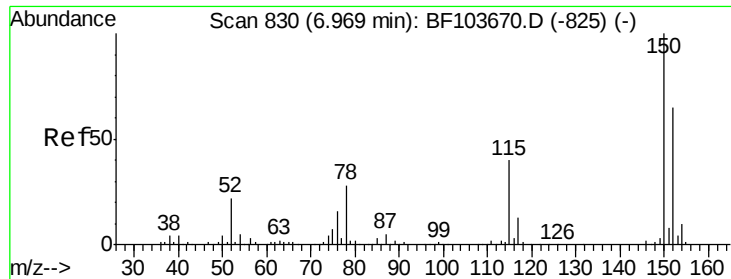
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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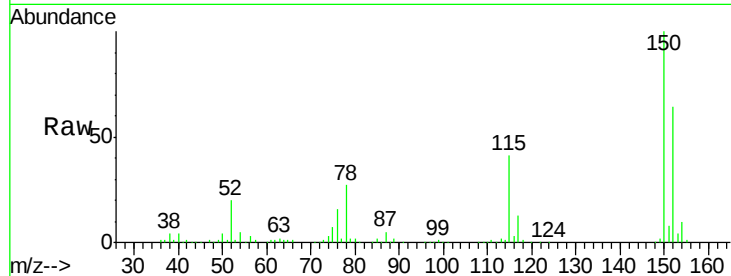


#1

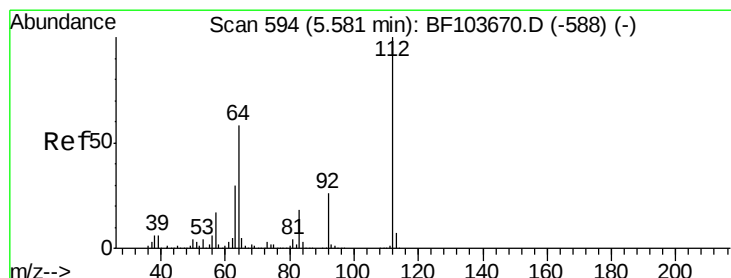
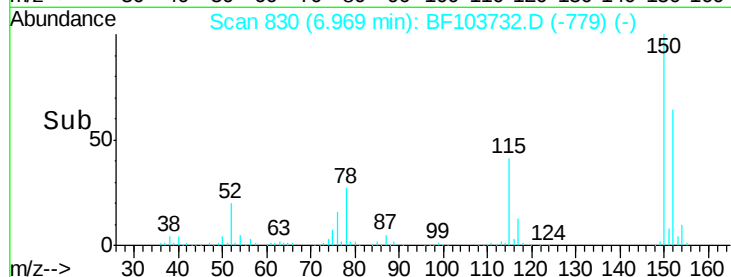
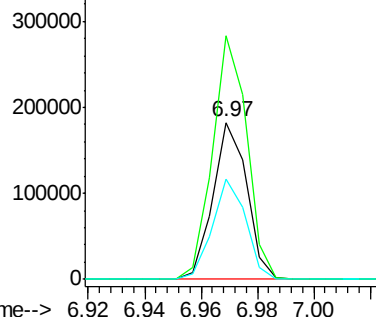
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF103732.D  
Acq: 17 Mar 2018 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
LS-PIT-2

Tot Ion:152 Resp: 152032  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.6 186.8  
115 63.7 50.1 75.1



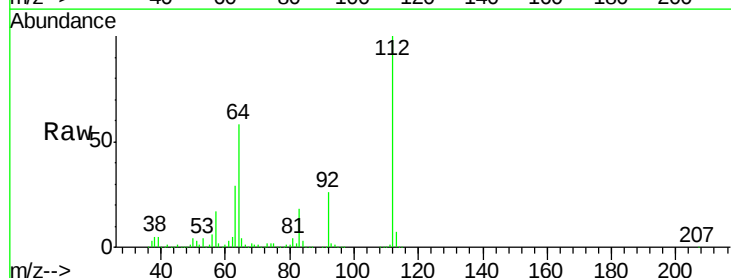
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



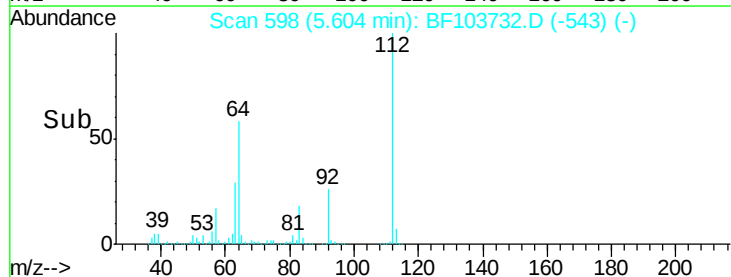
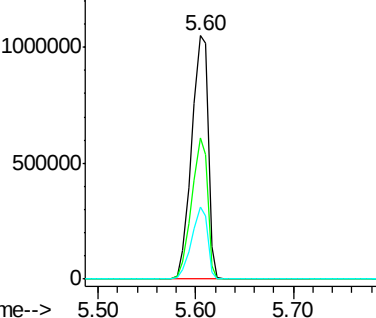
#5

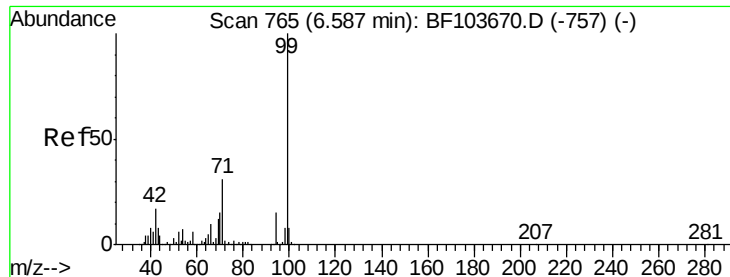
2-Fluorophenol  
Concen: 124.032 ng  
RT: 5.60 min Scan# 598  
Delta R.T. 0.02 min  
Lab File: BF103732.D  
Acq: 17 Mar 2018 9:52

Tgt Ion:112 Resp: 1239766  
Ion Ratio Lower Upper  
112 100  
64 58.0 47.9 71.9  
63 29.4 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: 111.626 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Instrument :

BNA\_F

ClientSampleId :

LS-PIT-2

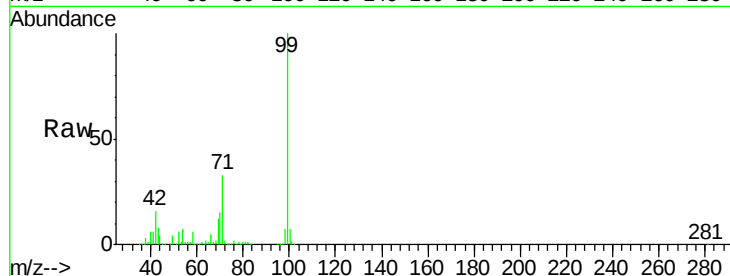
Tot Ion: 99 Resp: 1365063

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

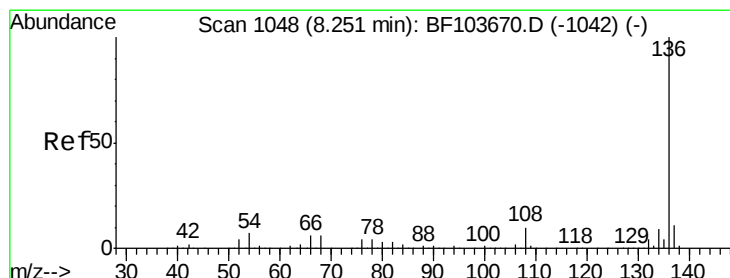
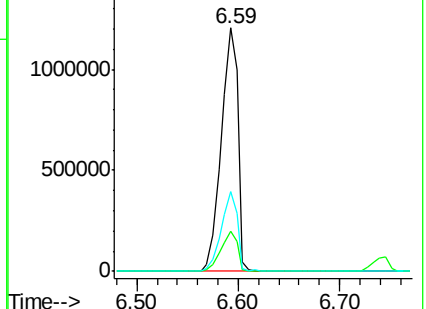
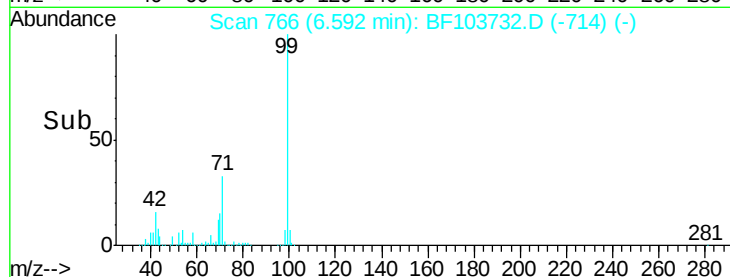
71 32.8 25.4 38.0



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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103732.D

Acq: 17 Mar 2018 9:52

Tgt Ion: 136 Resp: 577990

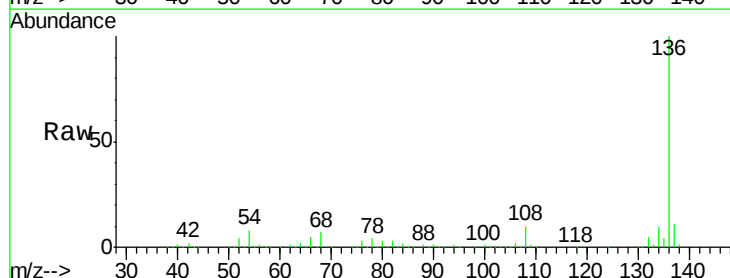
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.7 6.6 9.8

68 6.8 5.0 7.4

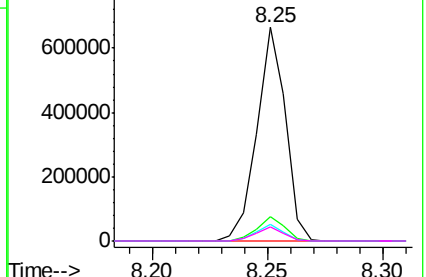
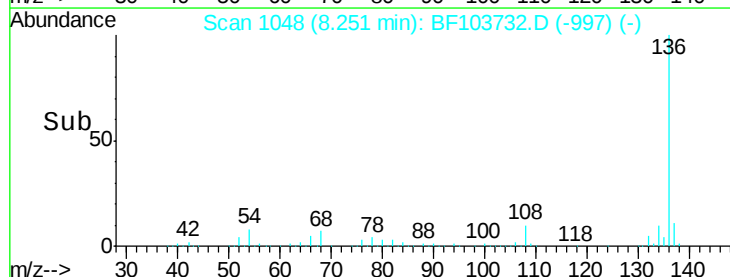


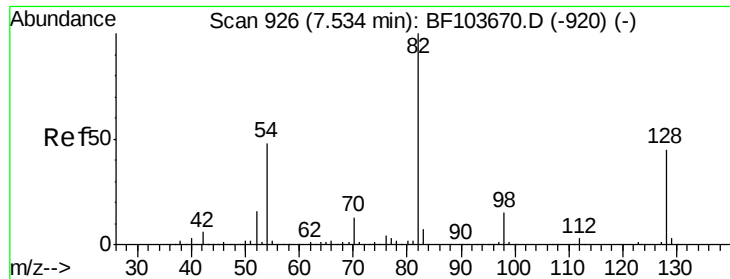
Abundance Ion 136.00 (135.70 to 136.70): E

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

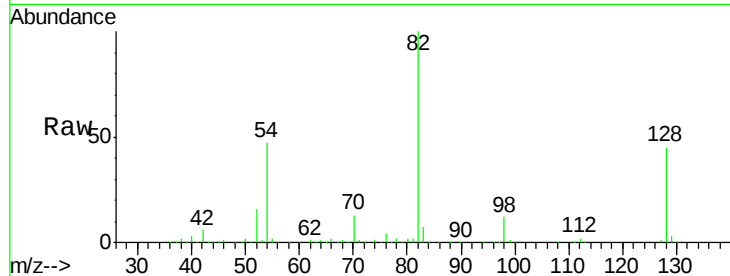




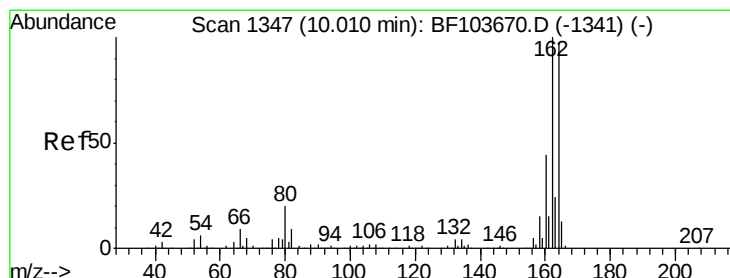
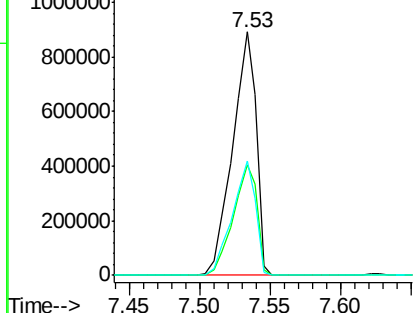
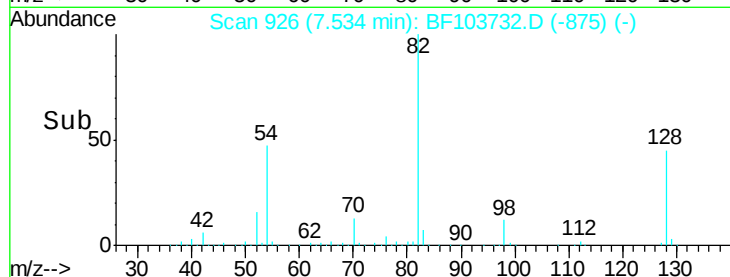
#23  
 Nitrobenzene-d5  
 Concen: 124.554 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

Instrument :  
 BNA\_F  
 ClientSampled :  
 LS-PIT-2

Tot Ion: 82 Resp: 1032336  
 Ion Ratio Lower Upper  
 82 100  
 128 45.5 36.1 54.1  
 54 46.9 41.4 62.2

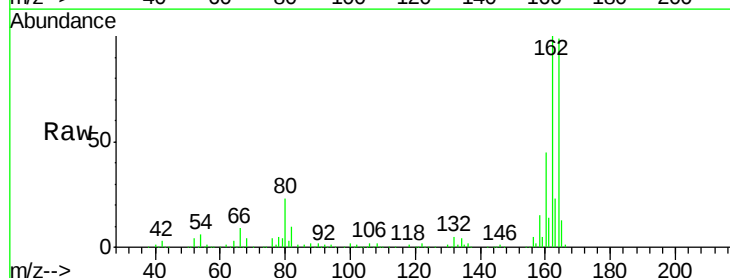


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

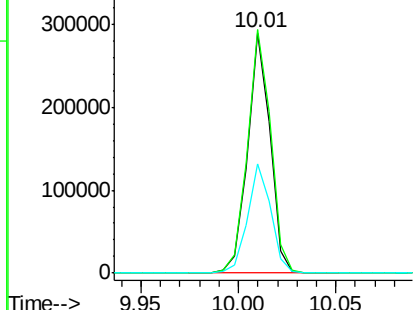
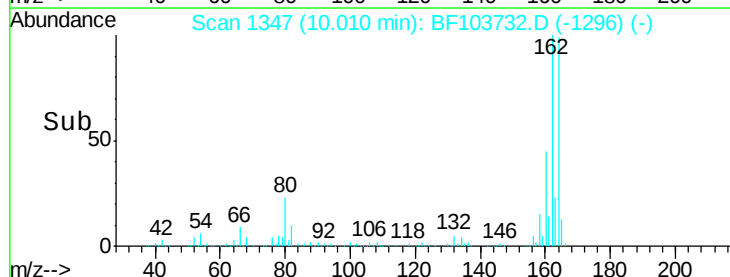


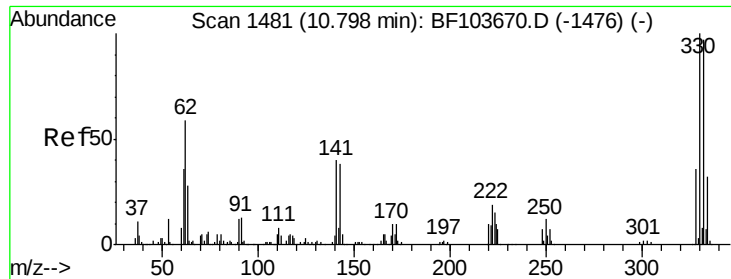
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.00 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

Tgt Ion: 164 Resp: 230810  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 86.1 129.1  
 160 45.6 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

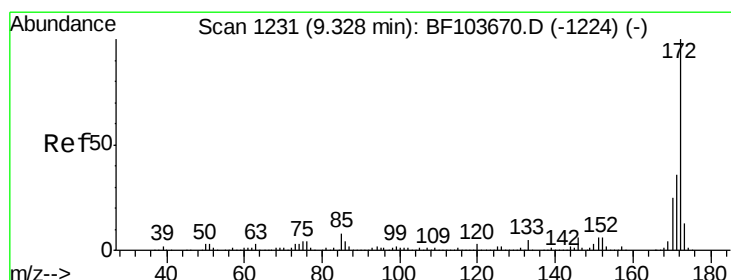
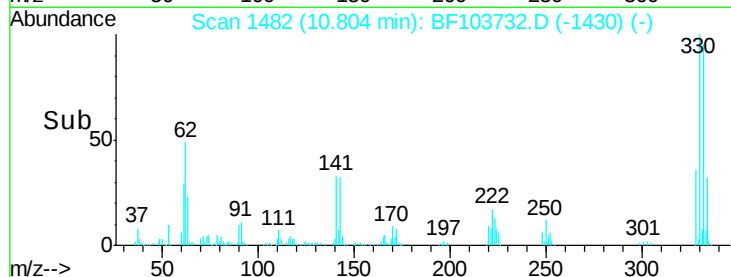
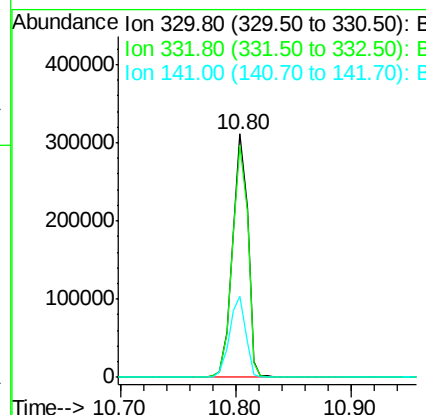
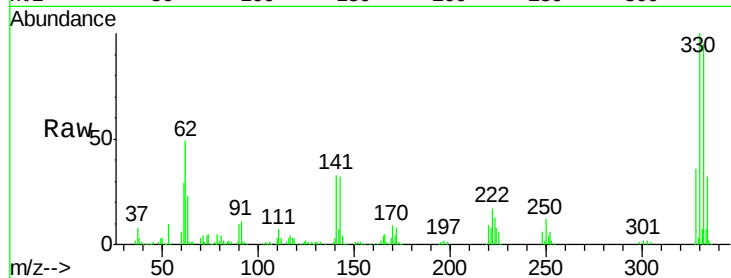




#41  
 2,4,6-Tribromophenol  
 Concen: 144.350 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. 0.01 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

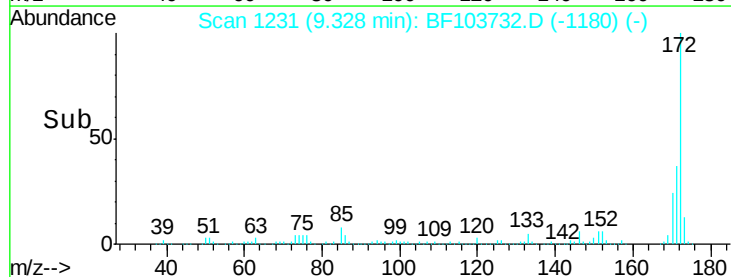
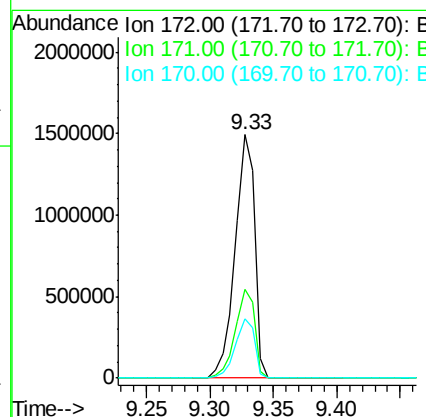
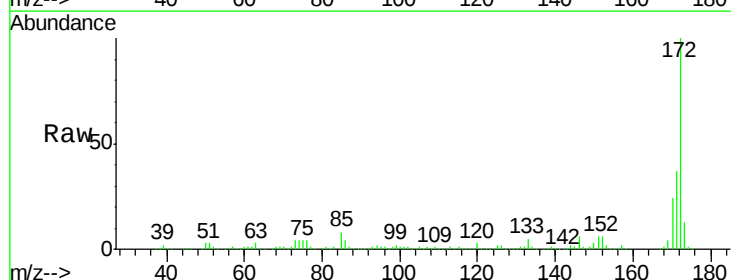
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-PIT-2

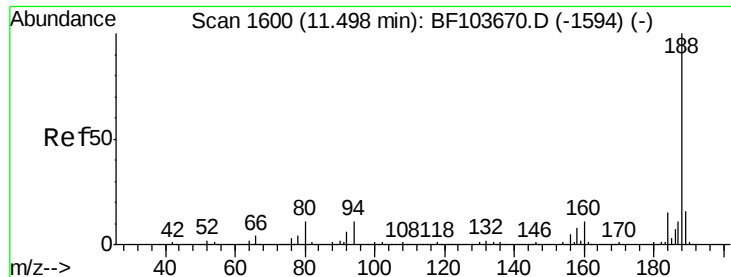
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 34.9  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 109.019 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 24.2  | 19.6  | 29.4  |

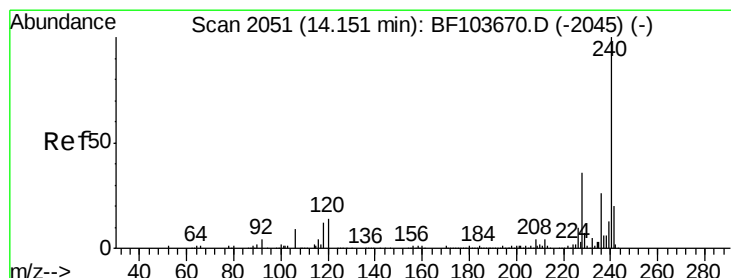
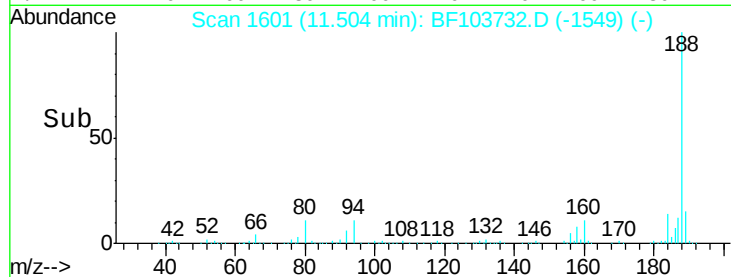
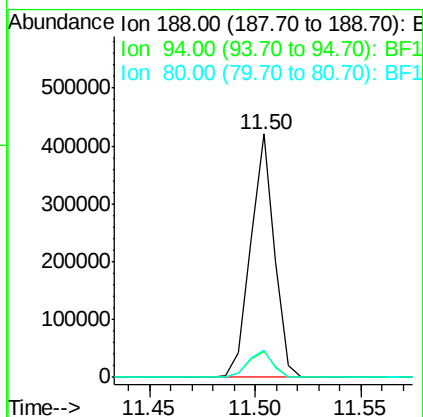
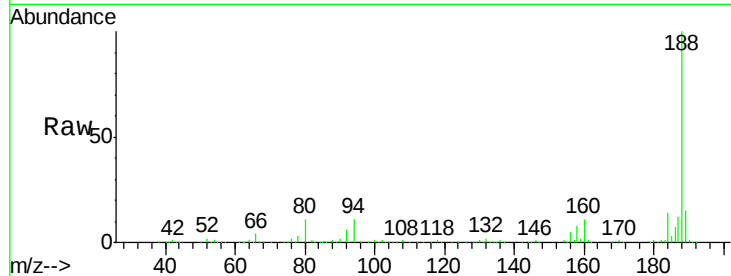




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. 0.01 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

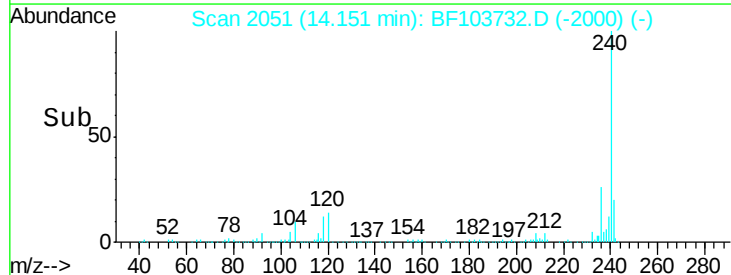
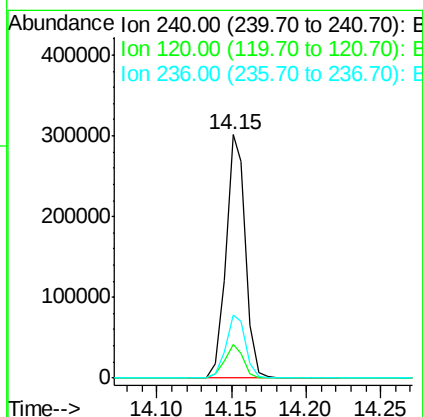
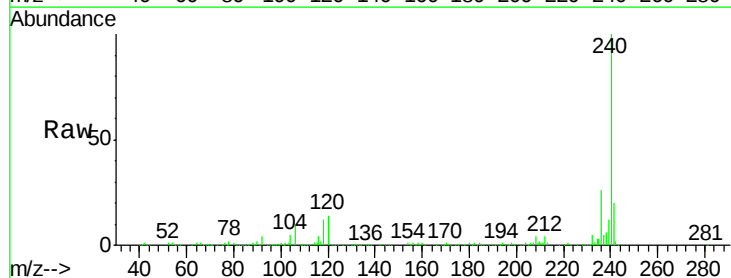
Instrument :  
 BNA\_F  
 ClientSampled :  
 LS-PIT-2

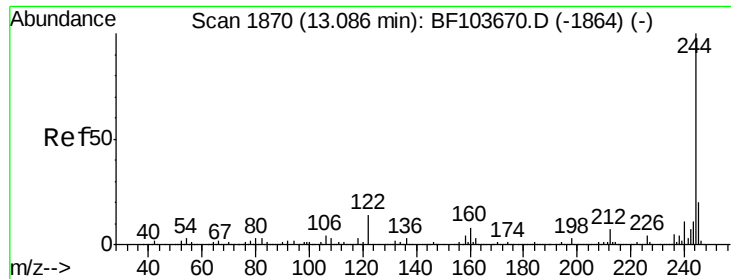
Tot Ion:188 Resp: 328961  
 Ion Ratio Lower Upper  
 188 100  
 94 10.6 8.5 12.7  
 80 11.2 9.2 13.8



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.15 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

Tgt Ion:240 Resp: 278125  
 Ion Ratio Lower Upper  
 240 100  
 120 14.1 9.5 14.3  
 236 25.7 20.7 31.1



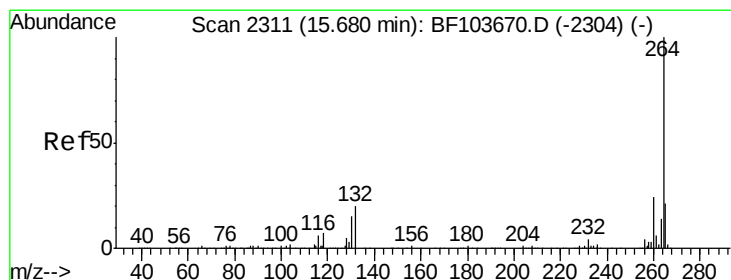
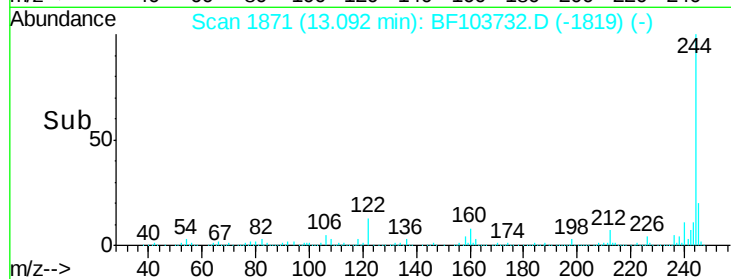
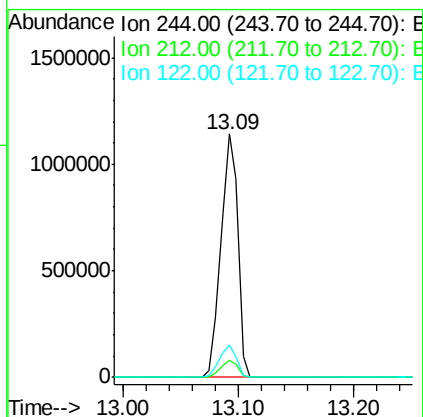
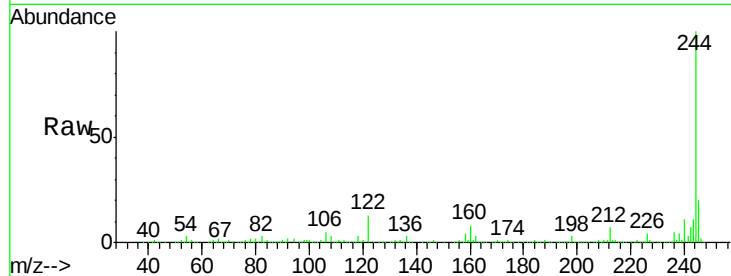


#78  
 Terphenyl-d14  
 Concen: 96.434 ng  
 RT: 13.09 min Scan# 1871  
 Delta R.T. 0.01 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-PIT-2

Tot Ion:244 Resp: 1155490  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.4   | 8.0   |
| 122 | 13.4  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2313  
 Delta R.T. 0.01 min  
 Lab File: BF103732.D  
 Acq: 17 Mar 2018 9:52

Tgt Ion:264 Resp: 227089  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.2  | 28.8  |
| 265 | 20.9  | 17.5  | 26.3  |

