

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\  
 Data File : BF106987.D  
 Acq On : 29 Jun 2018 21:34  
 Operator : JU/SJ  
 Sample : J3695-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-6

Quant Time: Jun 30 00:29:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 72137    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.24  | 136  | 269928   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 121157   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 204320   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.14 | 240  | 204829   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.68 | 264  | 161132   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 267824   | 62.87  | ng    | -0.01    |
| 7) Phenol-d6                | 6.59  | 99   | 204711   | 38.48  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 449594   | 92.56  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 200276   | 142.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 767108   | 111.82 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.07 | 244  | 800676   | 94.69  | ng    | -0.01    |

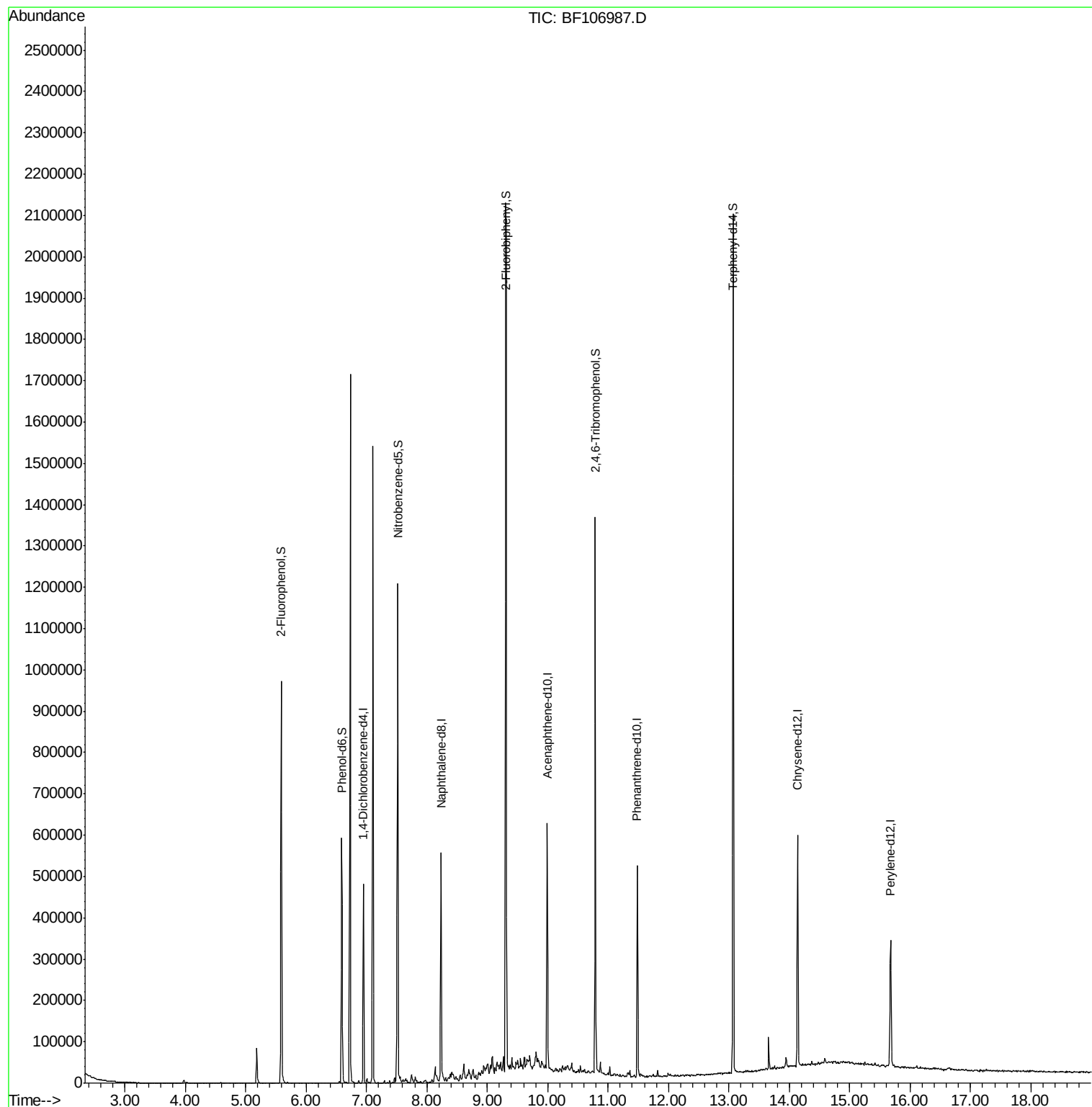
Target Compounds Qvalue

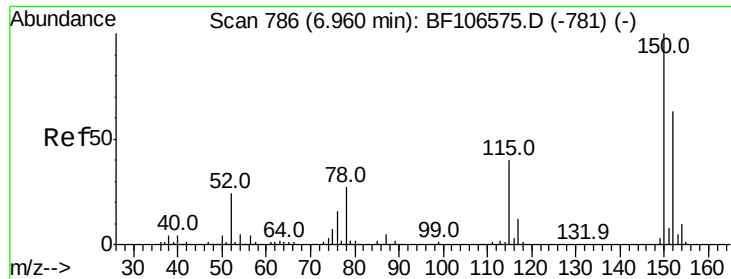
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3695-03  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 29 14:38:29 2018  
Response via : Initial Calibration



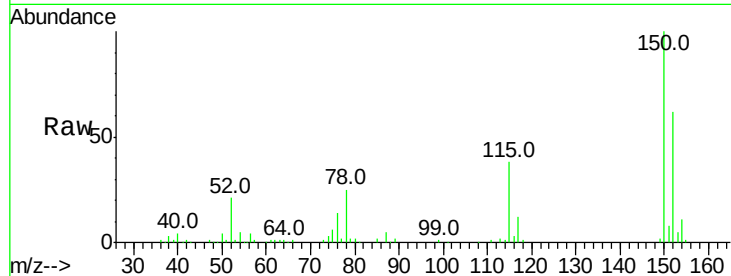


#1

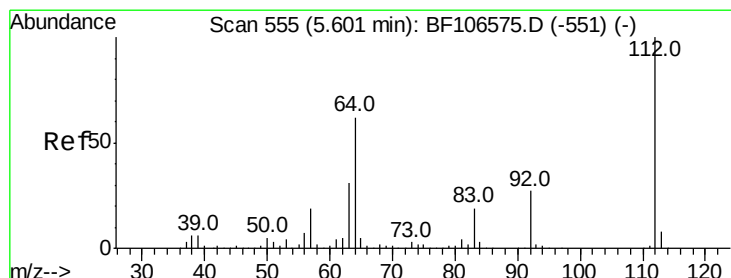
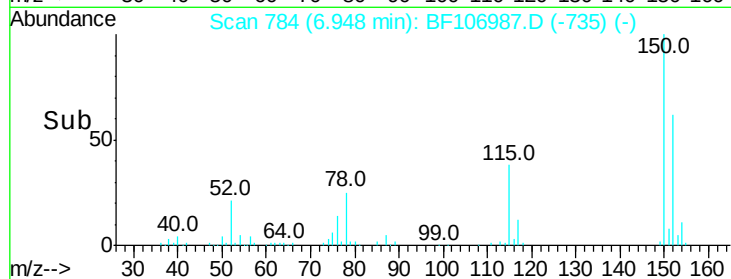
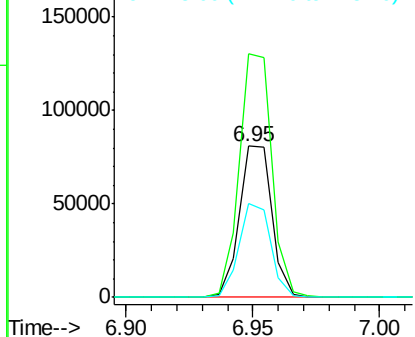
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-6

Tot Ion:152 Resp: 72137  
 Ion Ratio Lower Upper  
 152 100  
 150 161.1 124.6 186.8  
 115 61.7 50.1 75.1



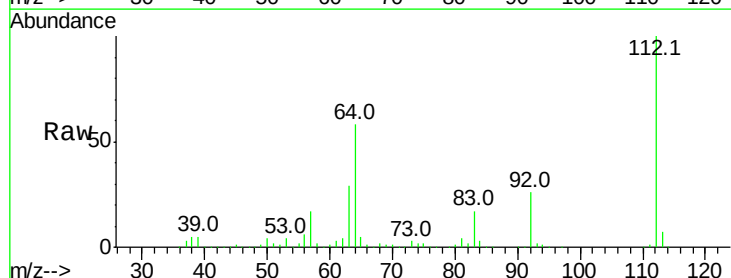
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



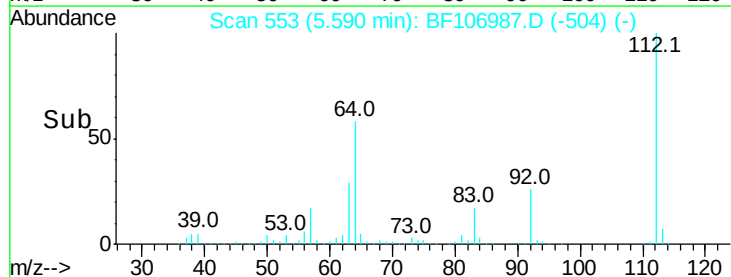
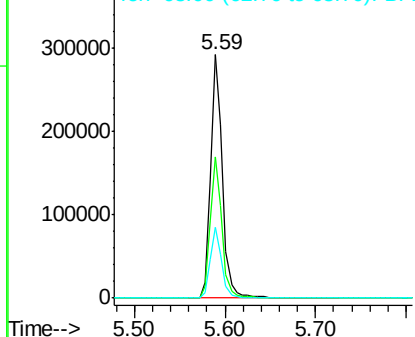
#5

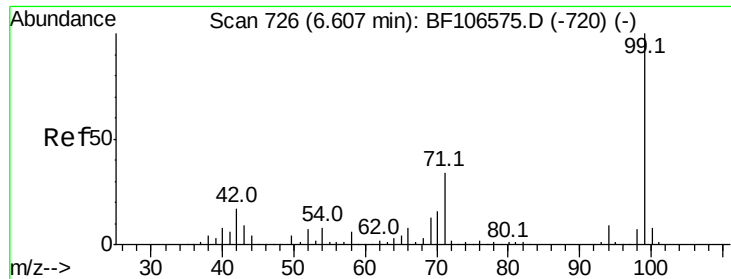
2-Fluorophenol  
 Concen: 62.868 ng  
 RT: 5.59 min Scan# 553  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

Tgt Ion:112 Resp: 267824  
 Ion Ratio Lower Upper  
 112 100  
 64 57.8 47.9 71.9  
 63 29.2 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: 38.479 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106987.D

Acq: 29 Jun 2018 21:34

Instrument :

BNA\_F

ClientSampleId :

PZ-6

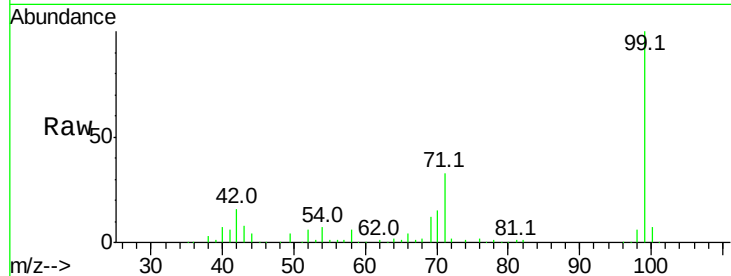
Tot Ion: 99 Resp: 204711

Ion Ratio Lower Upper

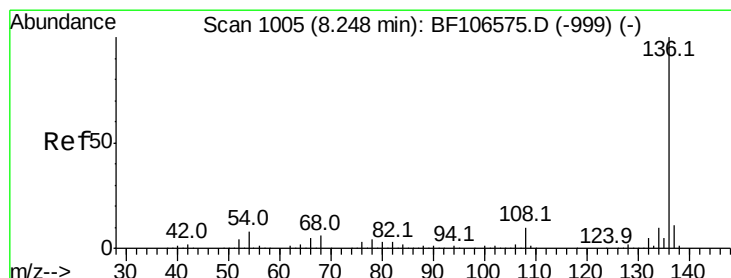
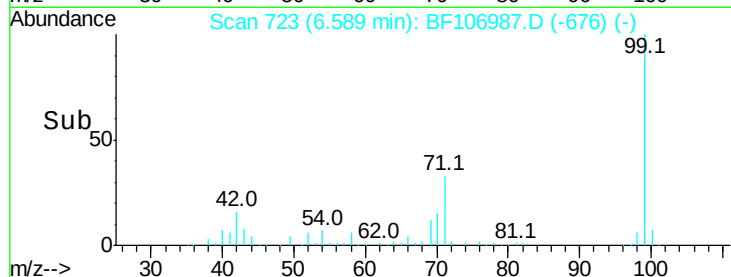
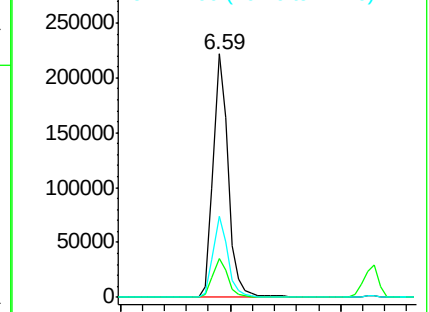
99 100

42 16.2 14.5 21.7

71 33.3 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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106987.D

Acq: 29 Jun 2018 21:34

Tgt Ion: 136 Resp: 269928

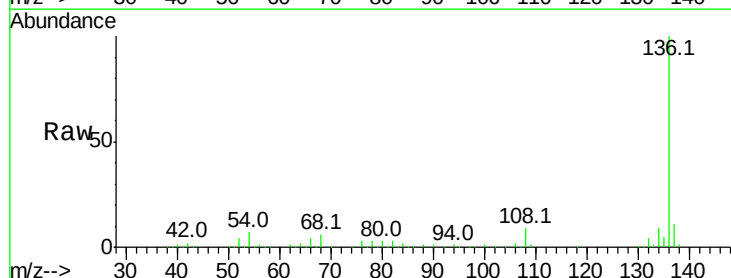
Ion Ratio Lower Upper

136 100

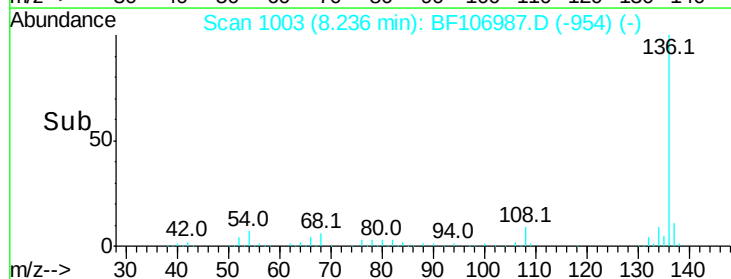
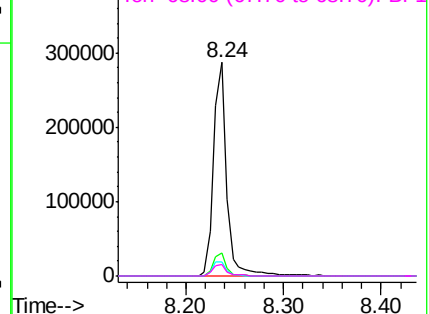
137 10.6 8.9 13.3

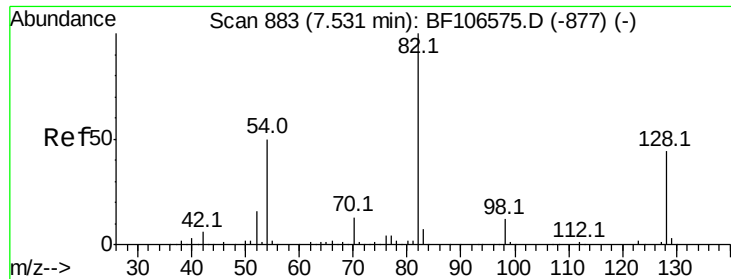
54 6.8 6.6 9.8

68 5.7 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

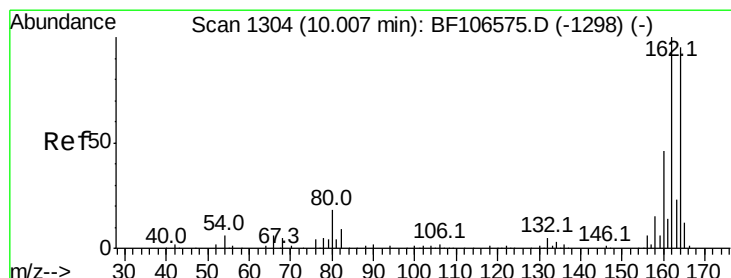
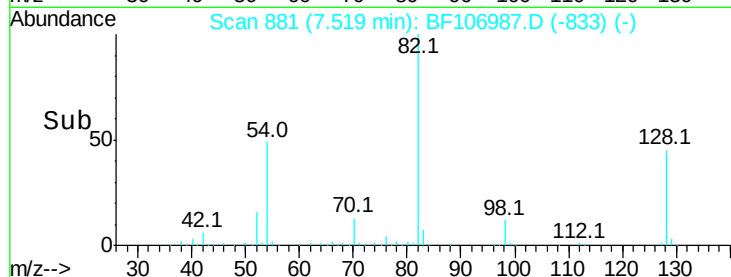
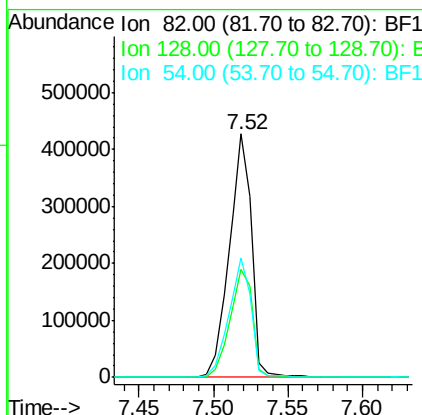
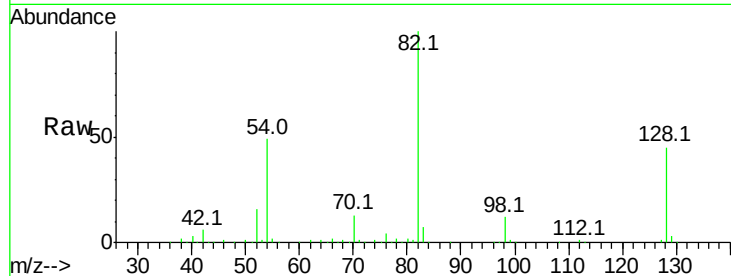




#23  
 Nitrobenzene-d5  
 Concen: 92.564 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

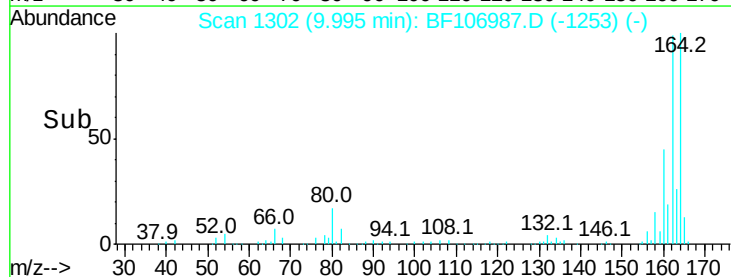
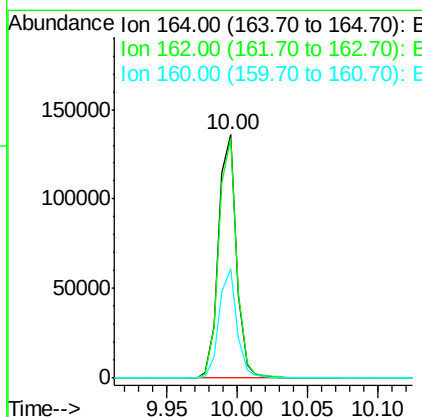
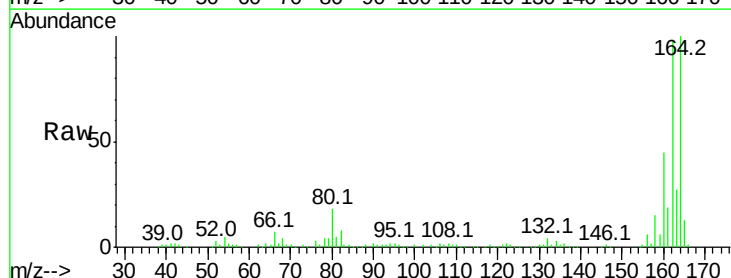
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-6

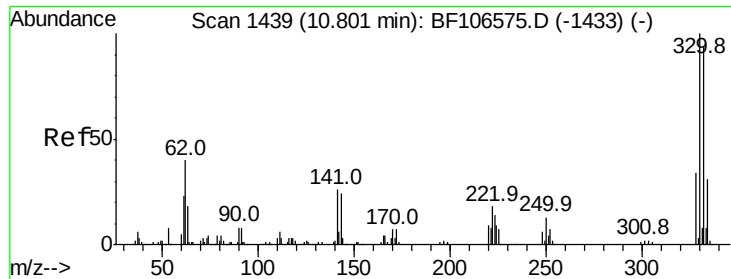
| Tot Ion   | 82    | Resp  | 449594 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.5  | 36.1  | 54.1   |
| 54        | 49.3  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

| Tgt Ion   | 164   | Resp  | 121157 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.5  | 86.1  | 129.1  |
| 160       | 44.6  | 38.3  | 57.5   |

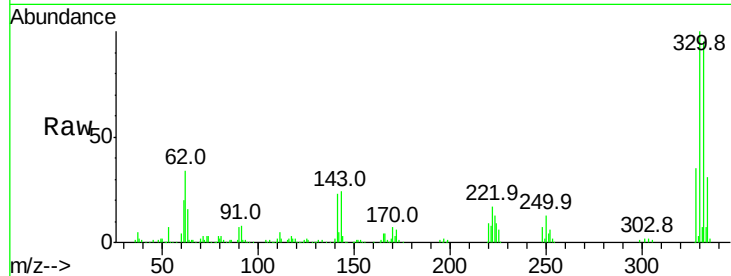




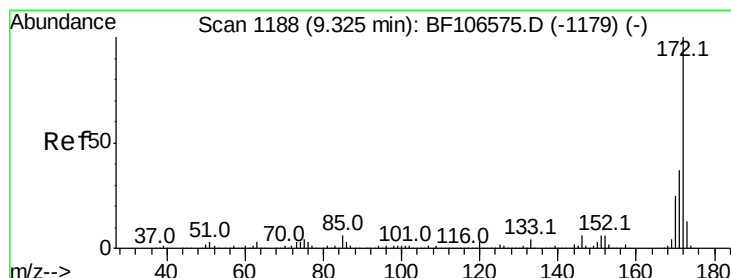
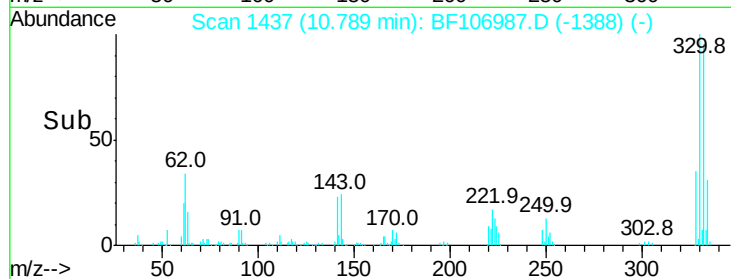
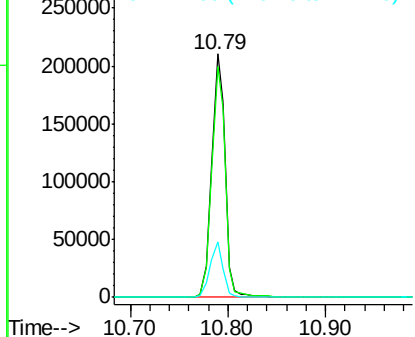
#41  
 2,4,6-Tribromophenol  
 Concen: 142.622 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

Instrument :  
 BNA\_F  
 ClientSampled :  
 PZ-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 22.3  | 29.9  | 44.9# |

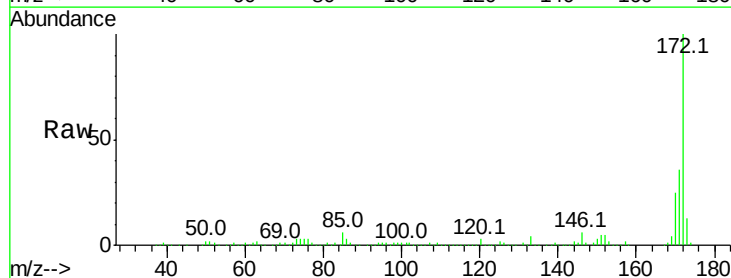


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

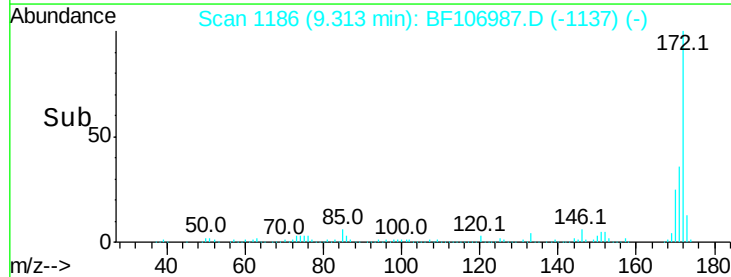
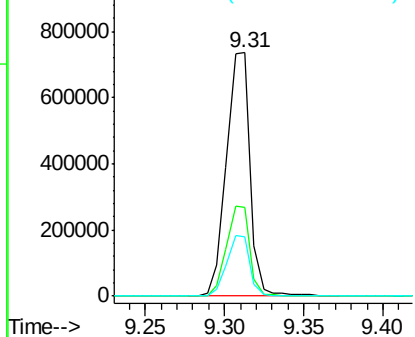


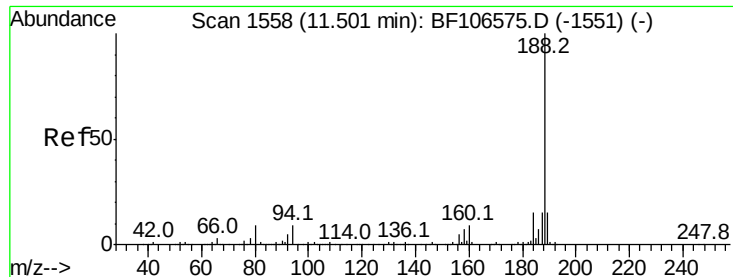
#44  
 2-Fluorobiphenyl  
 Concen: 111.824 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.6  | 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

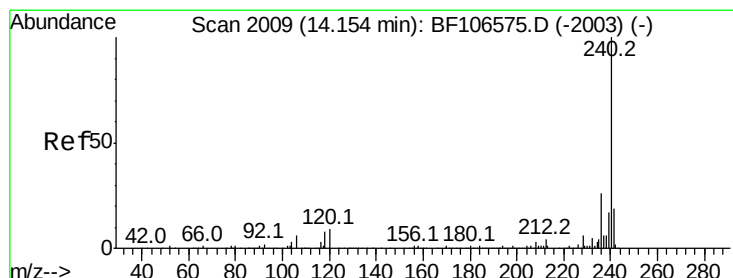
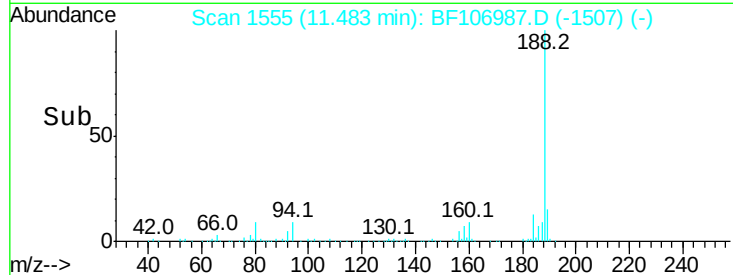
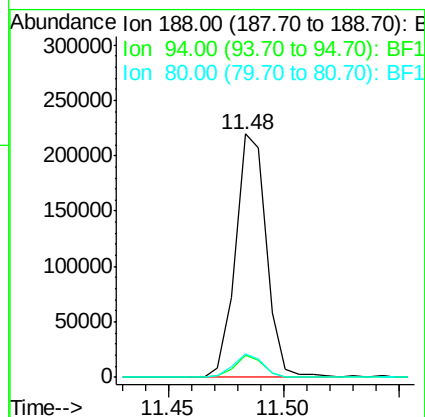
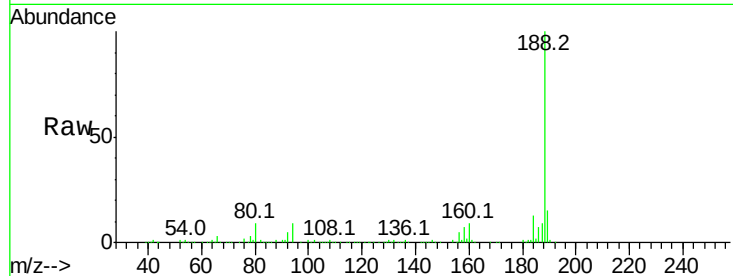




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1555  
Delta R.T. -0.02 min  
Lab File: BF106987.D  
Acq: 29 Jun 2018 21:34

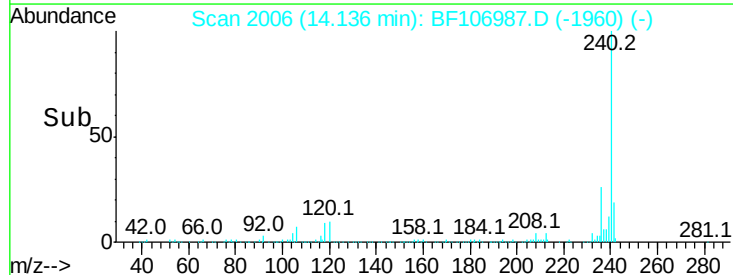
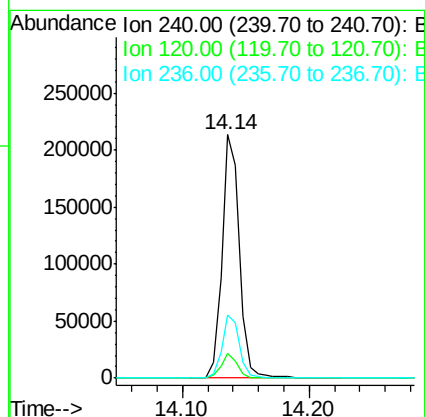
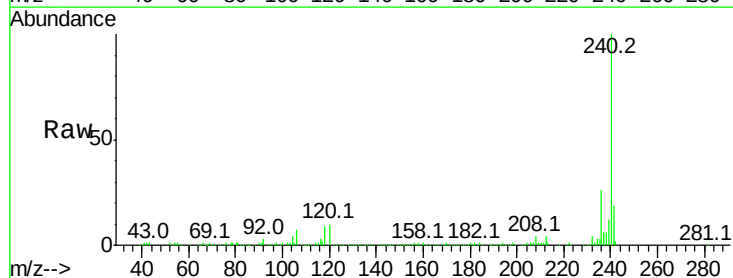
Instrument :  
BNA\_F  
ClientSampleId :  
PZ-6

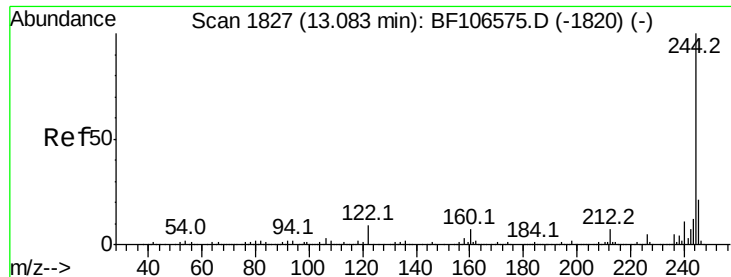
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 8.5   | 12.7  |
| 80      | 9.5   | 9.2   | 13.8  |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.03 min  
Lab File: BF106987.D  
Acq: 29 Jun 2018 21:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.4  | 9.5   | 14.3  |
| 236     | 26.0  | 20.7  | 31.1  |

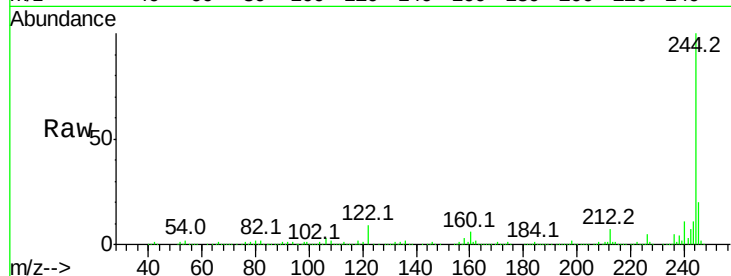




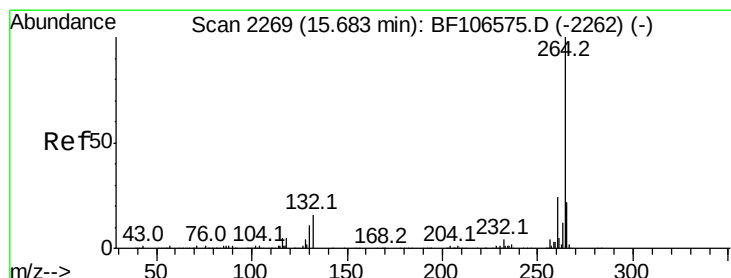
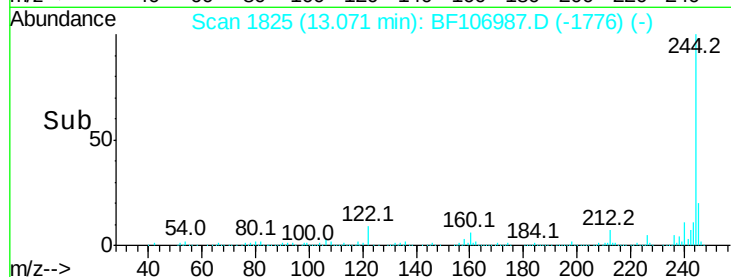
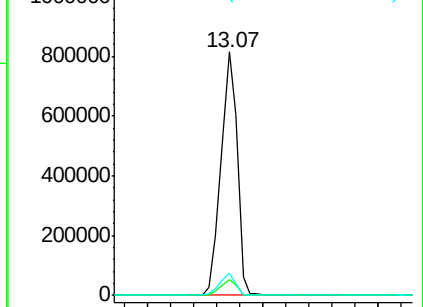
#78  
 Terphenyl-d14  
 Concen: 94.688 ng  
 RT: 13.07 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

Instrument :  
 BNA\_F  
 ClientSampled :  
 PZ-6

Tot Ion:244 Resp: 800676  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 9.2 11.0 16.4#

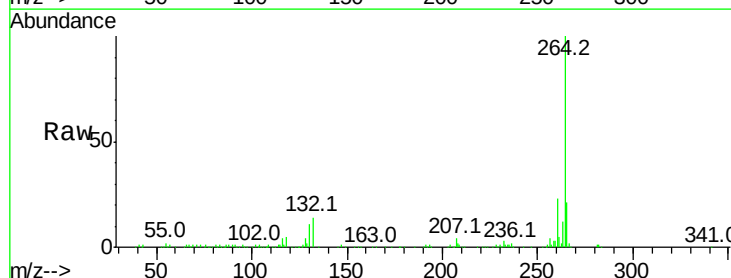


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.04 min  
 Lab File: BF106987.D  
 Acq: 29 Jun 2018 21:34

Tgt Ion:264 Resp: 161132  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.2 28.8  
 265 21.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

