

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\  
 Data File : BF109777.D  
 Acq On : 11 Oct 2018 8:06  
 Operator : JU/SJ  
 Sample : J5326-41  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PH-3-STONE

Quant Time: Oct 11 11:12:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 82890    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 336662   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.72  | 164  | 156180   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.20 | 188  | 278689   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 232686   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.22 | 264  | 211420   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 451486   | 96.68 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 572471   | 91.77 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 482519   | 79.01 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 168519   | 99.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 890118   | 78.49 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.78 | 244  | 766714   | 63.79 | ng    | 0.00     |

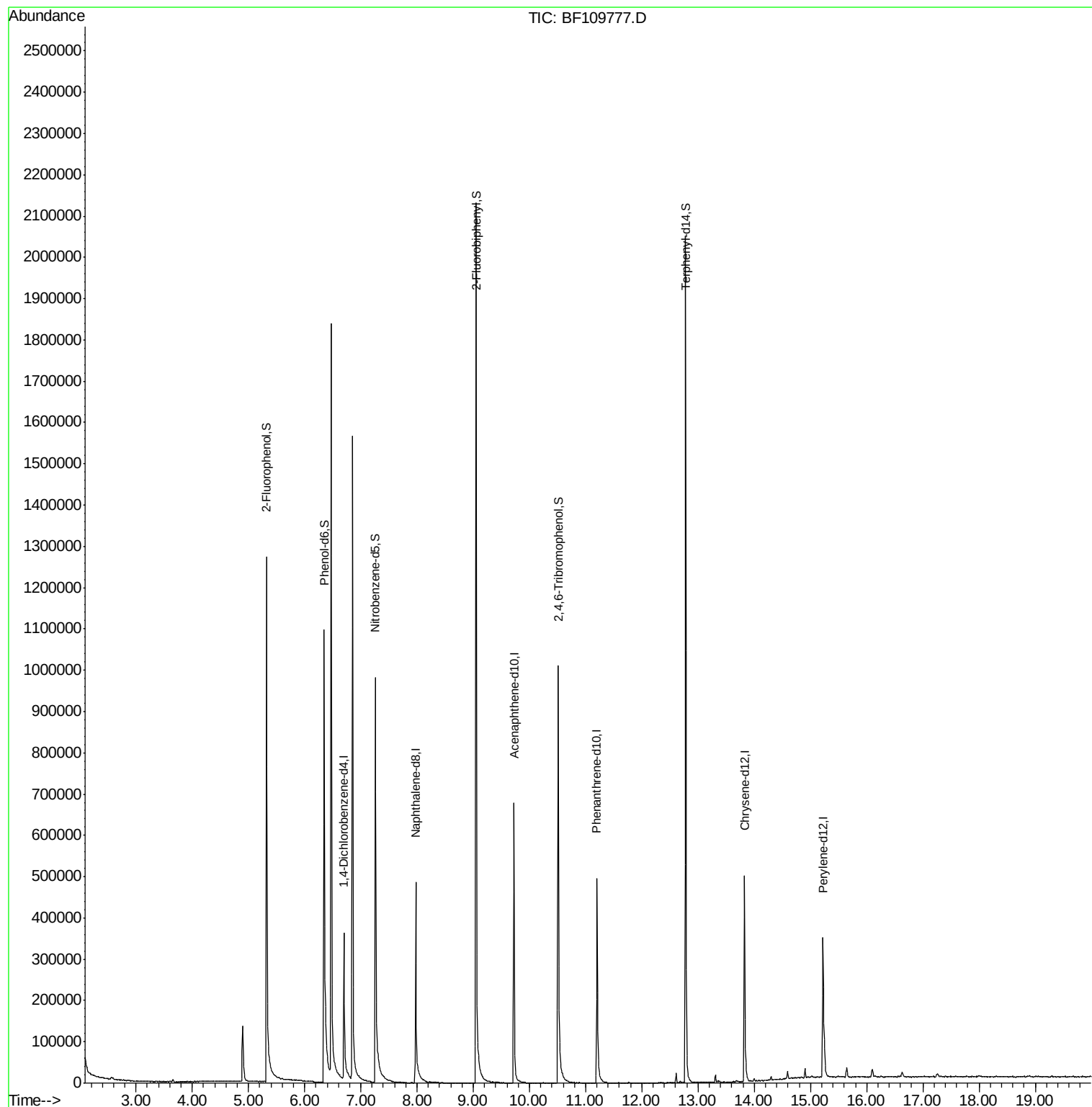
Target Compounds Qvalue

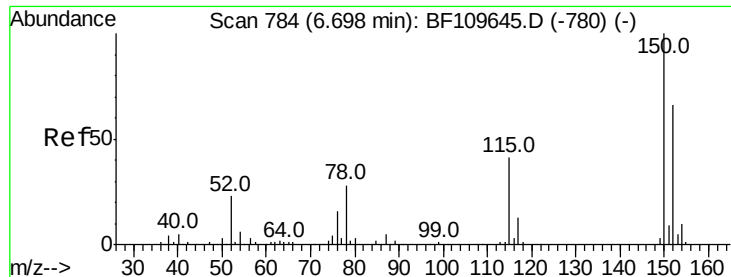
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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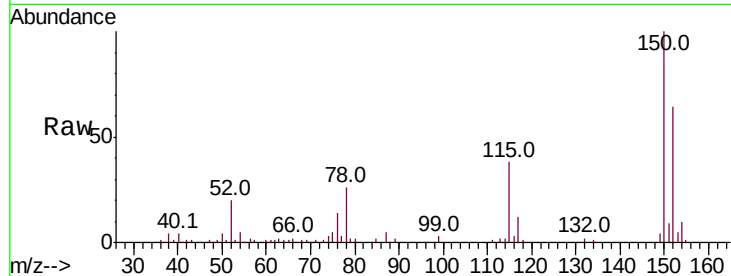


#1

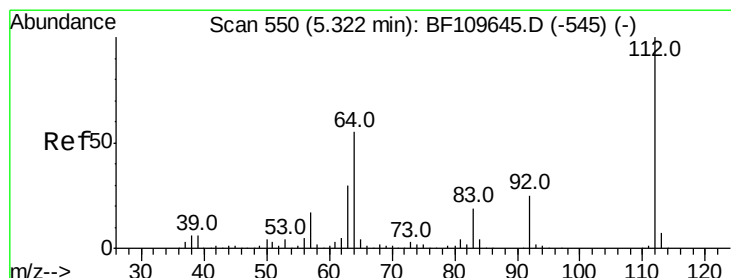
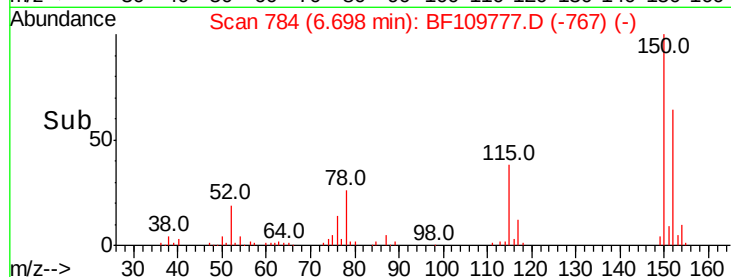
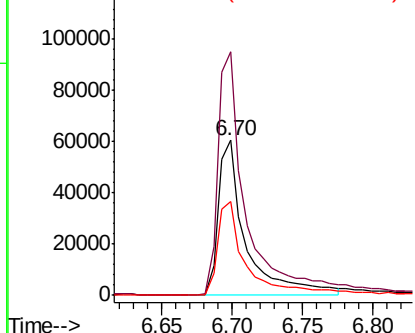
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: BF109777.D  
 Acq: 11 Oct 2018 8:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PH-3-STONE

Tot Ion:152 Resp: 82890  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 122.7 184.1  
 115 60.3 49.1 73.7



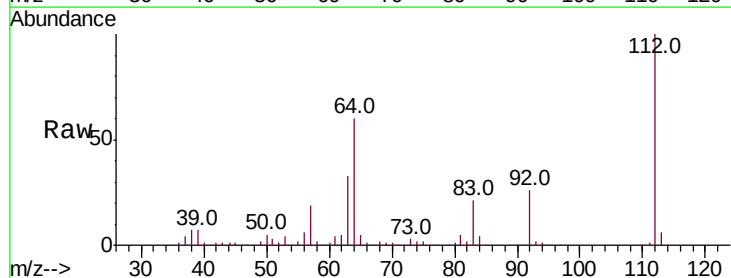
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



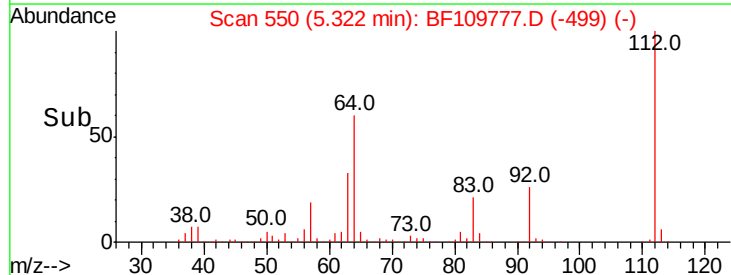
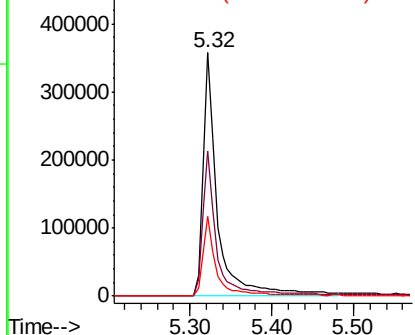
#5

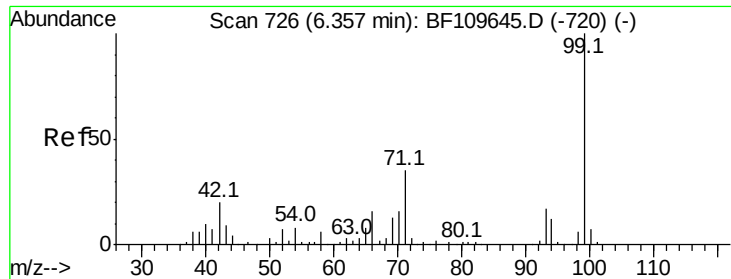
2-Fluorophenol  
 Concen: 96.683 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. 0.00 min  
 Lab File: BF109777.D  
 Acq: 11 Oct 2018 8:06

Tgt Ion:112 Resp: 451486  
 Ion Ratio Lower Upper  
 112 100  
 64 59.8 44.1 66.1  
 63 32.5 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: 91.767 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109777.D

Acq: 11 Oct 2018 8:06

Instrument :

BNA\_F

ClientSampleId :

FL-PH-3-STONE

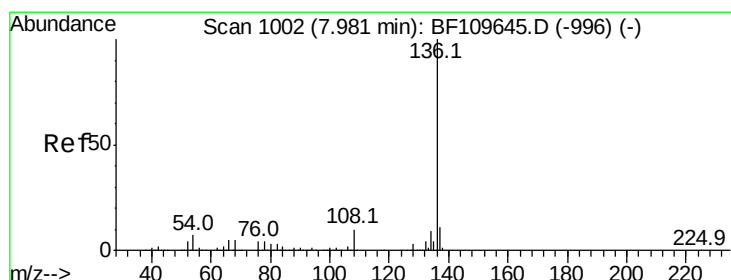
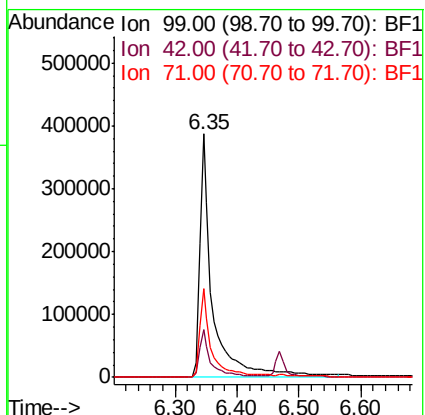
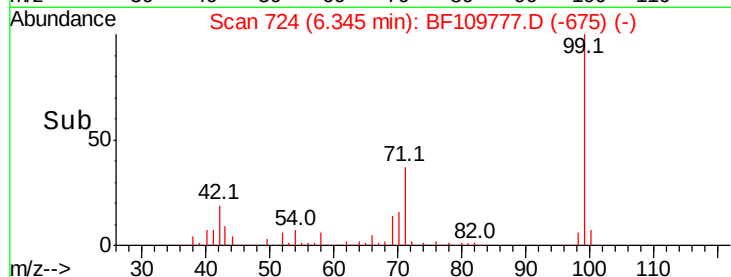
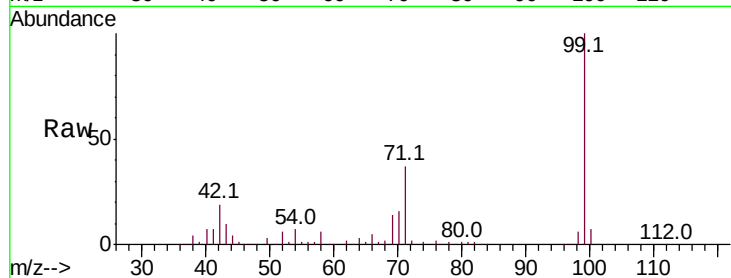
Tot Ion: 99 Resp: 572471

Ion Ratio Lower Upper

99 100

42 19.4 15.8 23.6

71 36.7 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109777.D

Acq: 11 Oct 2018 8:06

Tgt Ion: 136 Resp: 336662

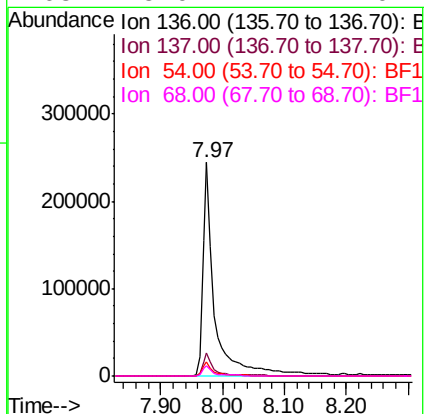
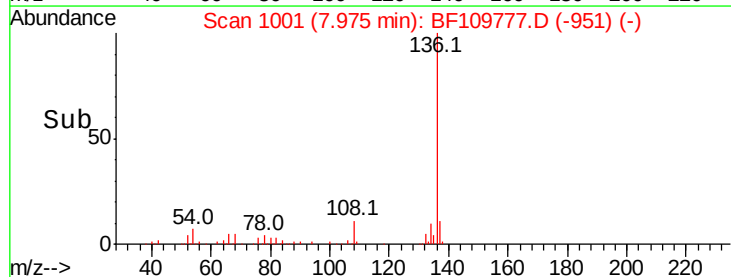
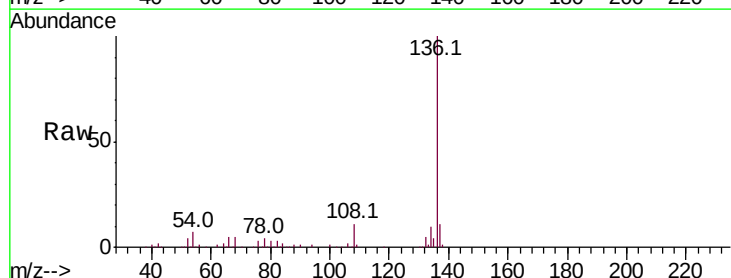
Ion Ratio Lower Upper

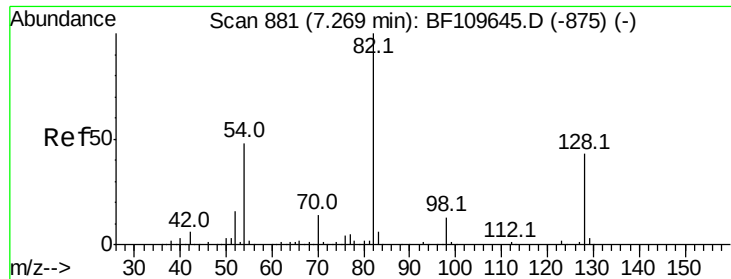
136 100

137 10.8 8.8 13.2

54 6.8 5.4 8.2

68 5.0 4.2 6.2

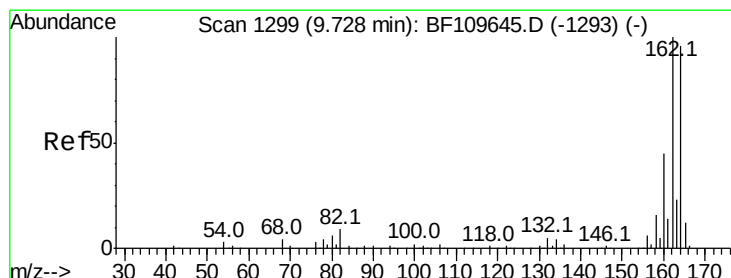
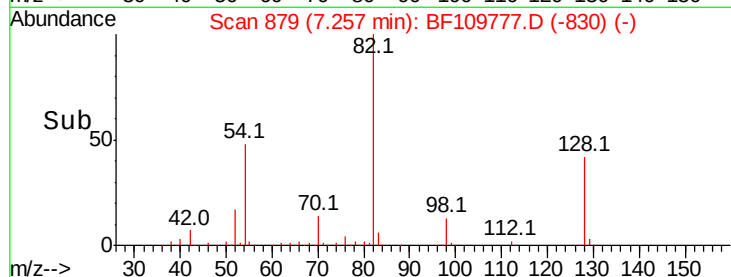
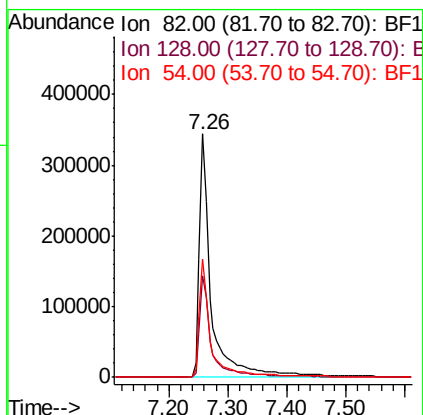
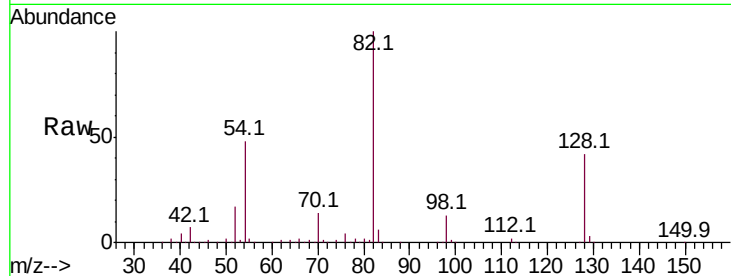




#23  
Nitrobenzene-d5  
Concen: 79.005 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF109777.D  
Acq: 11 Oct 2018 8:06

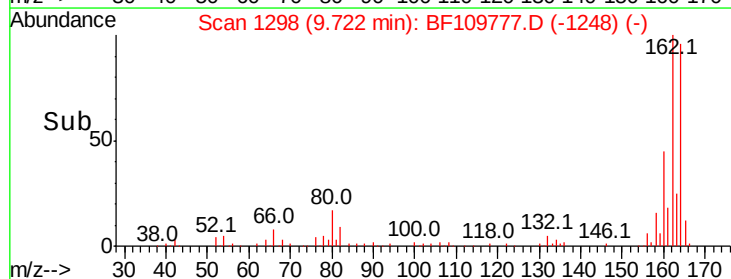
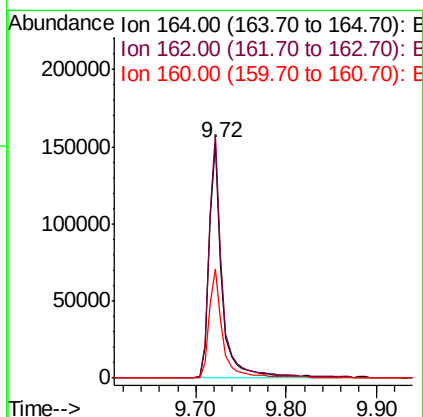
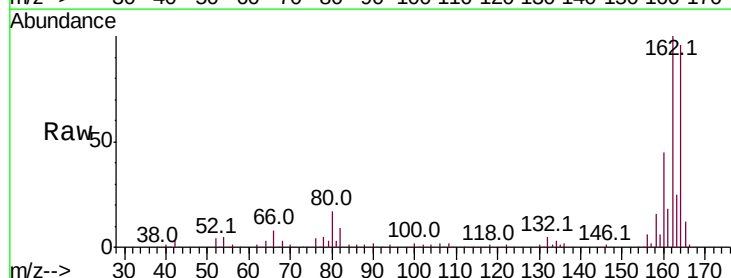
Instrument :  
BNA\_F  
ClientSampleId :  
FL-PH-3-STONE

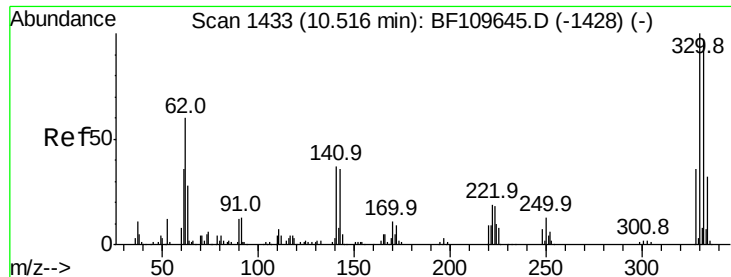
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 34.2  | 51.2  |
| 54      | 48.4  | 38.6  | 58.0  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109777.D  
Acq: 11 Oct 2018 8:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 83.0  | 124.6 |
| 160     | 46.4  | 37.0  | 55.6  |

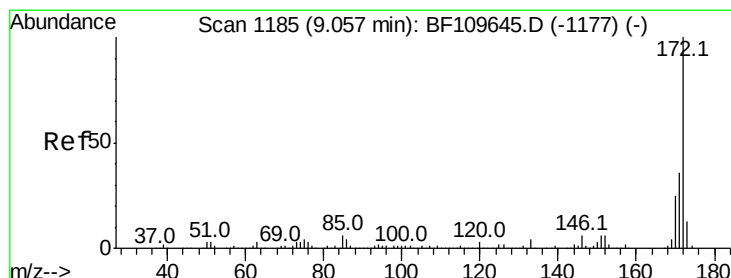
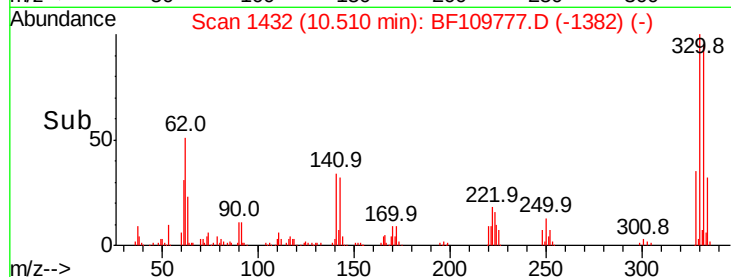
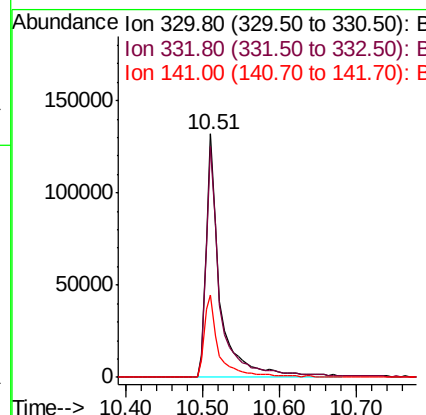
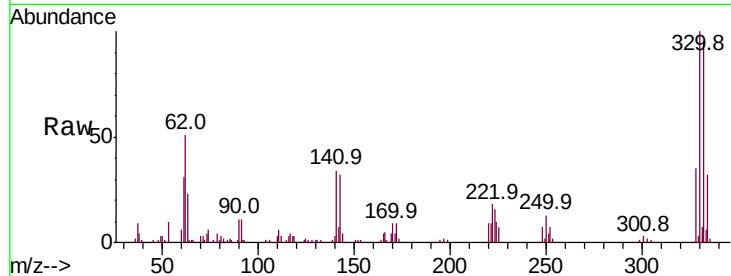




#41  
 2,4,6-Tribromophenol  
 Concen: 99.027 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109777.D  
 Acq: 11 Oct 2018 8:06

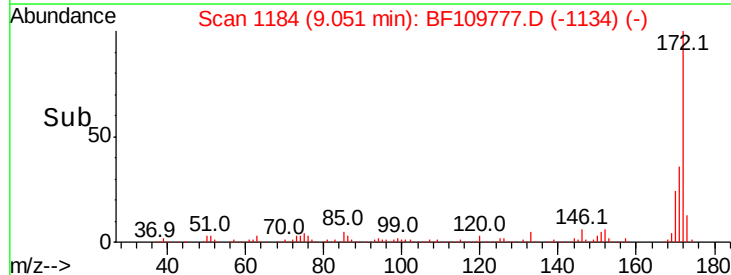
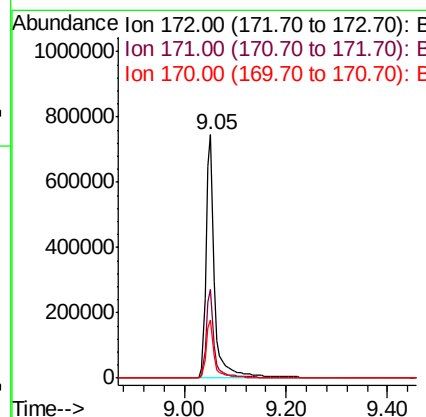
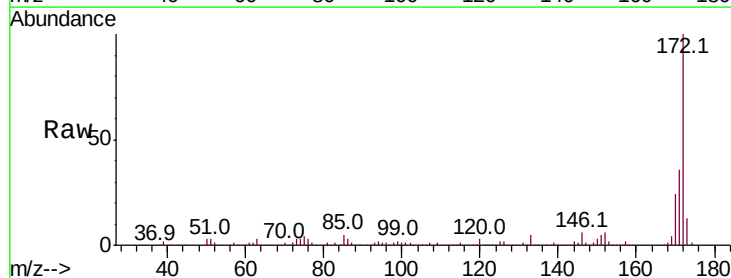
Instrument :  
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 ClientSampleId :  
 FL-PH-3-STONE

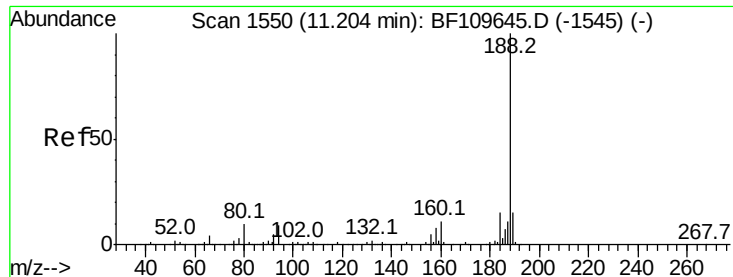
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.1  | 115.7 |
| 141     | 35.9  | 27.0  | 40.4  |



#44  
 2-Fluorobiphenyl  
 Concen: 78.494 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109777.D  
 Acq: 11 Oct 2018 8:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 28.6  | 43.0  |
| 170     | 24.0  | 19.7  | 29.5  |

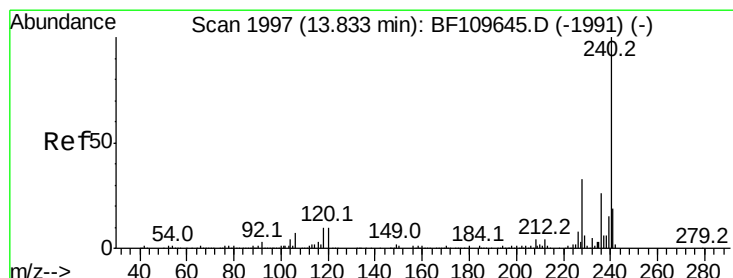
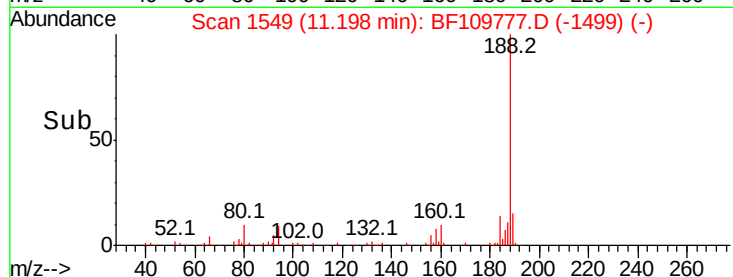
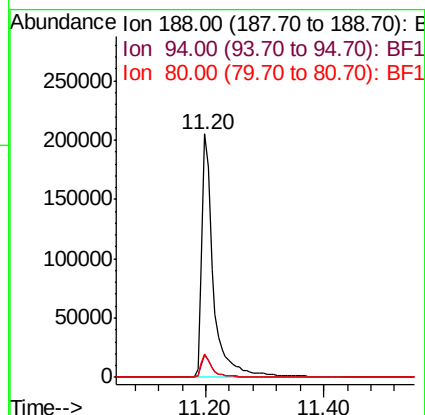
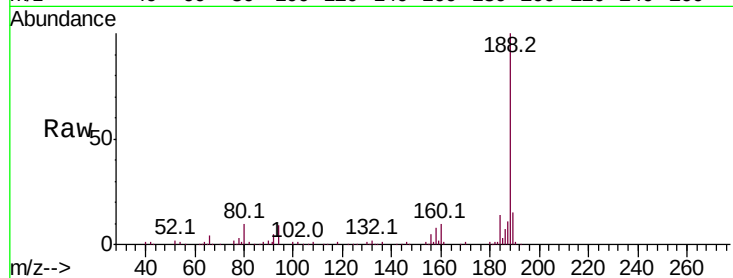




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF109777.D  
Acq: 11 Oct 2018 8:06

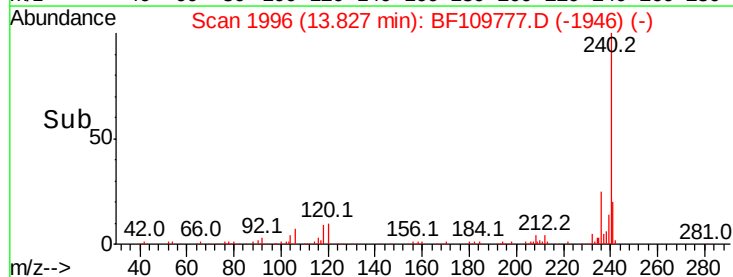
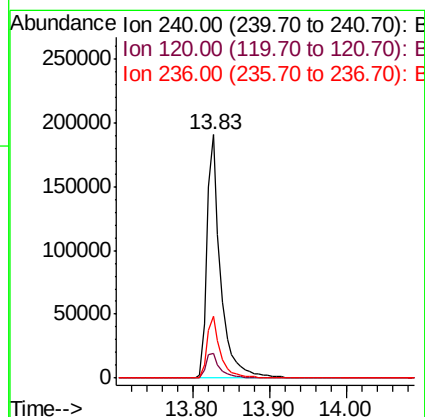
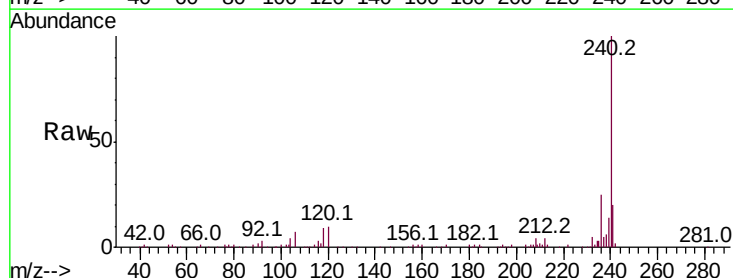
Instrument :  
BNA\_F  
ClientSampleId :  
FL-PH-3-STONE

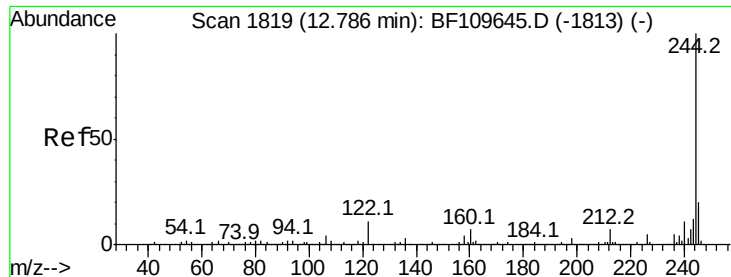
Tot Ion:188 Resp: 278689  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.2 10.8  
80 9.8 7.9 11.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF109777.D  
Acq: 11 Oct 2018 8:06

Tgt Ion:240 Resp: 232686  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.3 12.5  
236 25.4 21.2 31.8





#78

Terphenyl-d14

Concen: 63.787 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109777.D

Acq: 11 Oct 2018 8:06

Instrument :

BNA\_F

ClientSampleId :

FL-PH-3-STONE

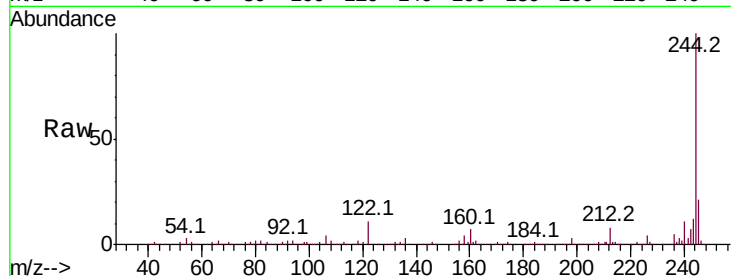
Tot Ion:244 Resp: 766714

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

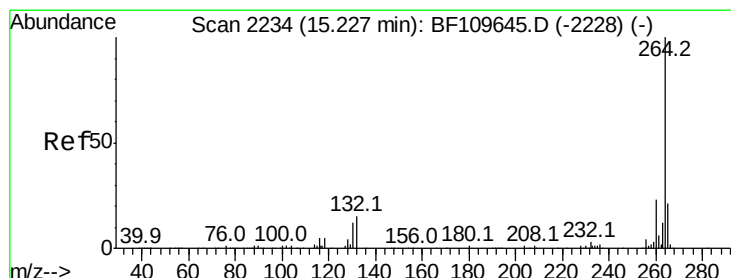
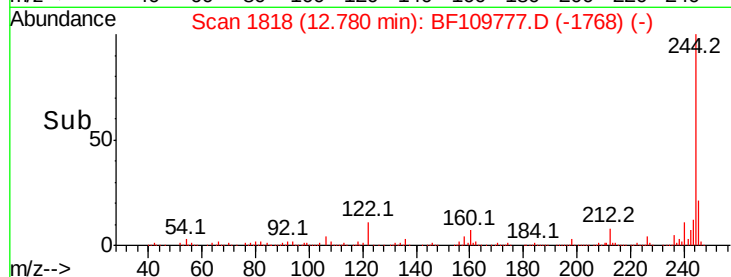
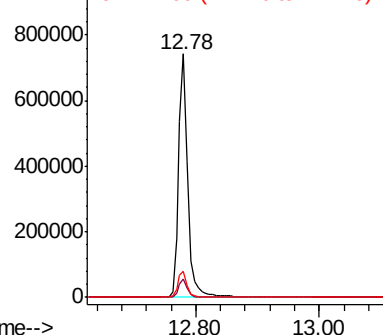
122 11.0 8.7 13.1



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: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109777.D

Acq: 11 Oct 2018 8:06

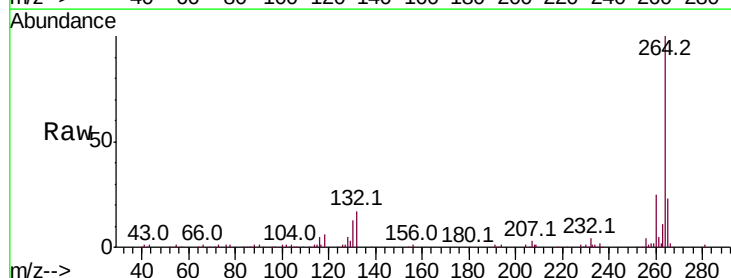
Tgt Ion:264 Resp: 211420

Ion Ratio Lower Upper

264 100

260 25.0 18.7 28.1

265 23.1 16.7 25.1



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

