

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\  
 Data File : BF109771.D  
 Acq On : 11 Oct 2018 5:18  
 Operator : JU/SJ  
 Sample : J5326-20  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Quant Time: Oct 11 07:25:00 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  | 85097    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 340264   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.72  | 164  | 151835   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.20 | 188  | 260349   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 229584   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.23 | 264  | 207820   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 501350   | 104.58 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 638196   | 99.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 499197   | 80.87  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 168142   | 101.63 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 915143   | 83.01  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.78 | 244  | 727074   | 61.31  | ng    | 0.00     |

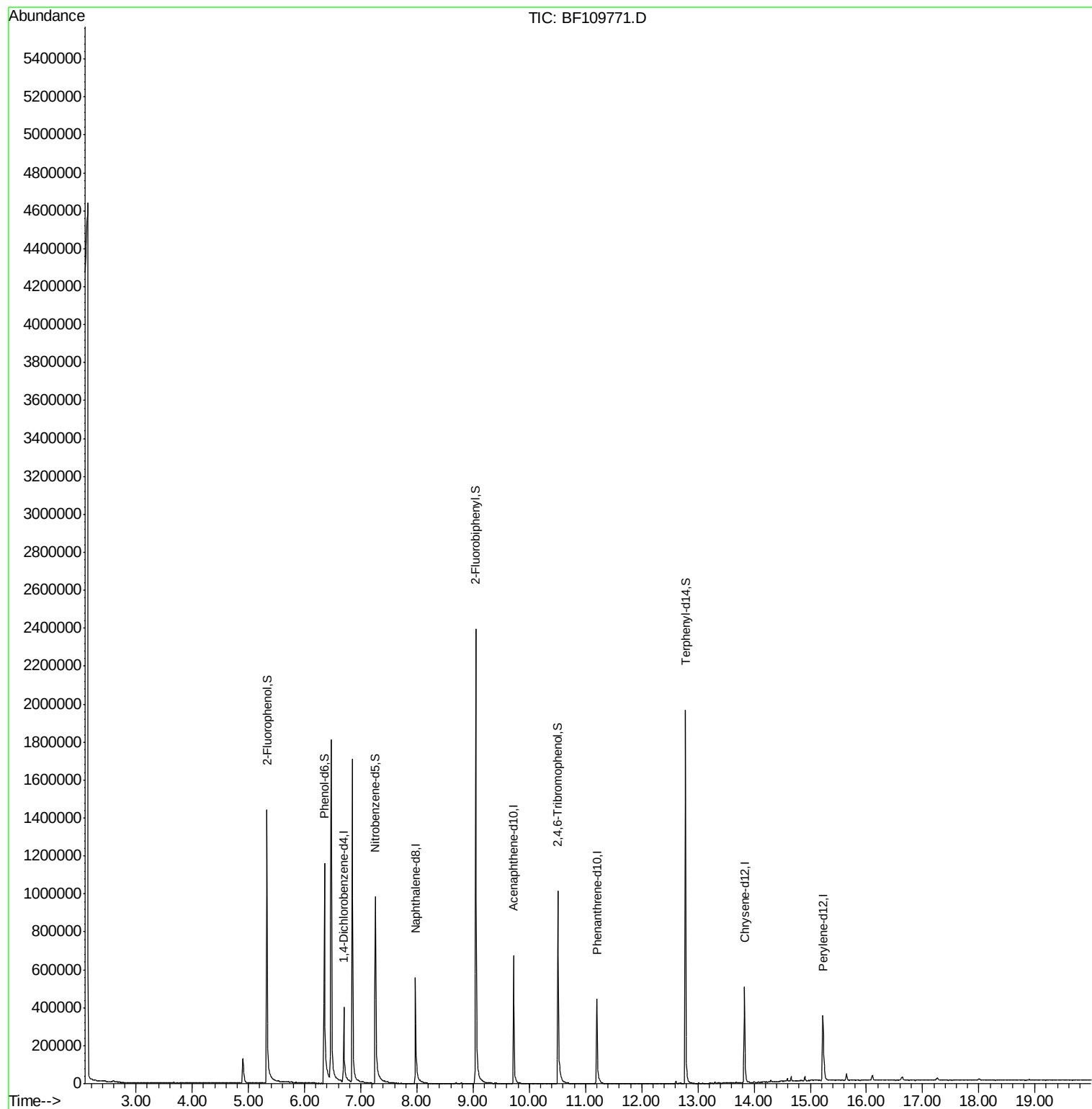
Target Compounds Qvalue

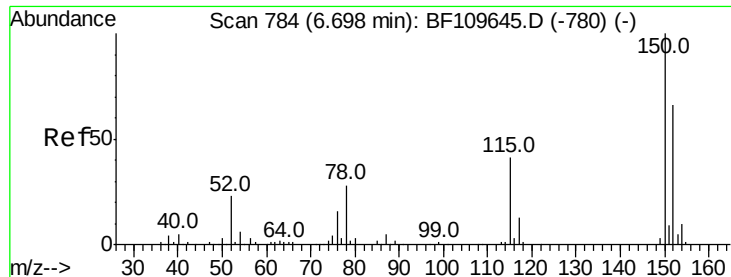
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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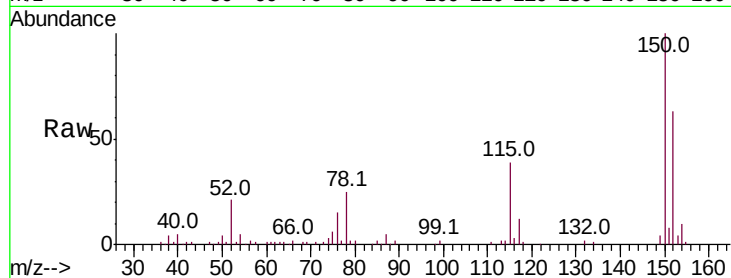


#1

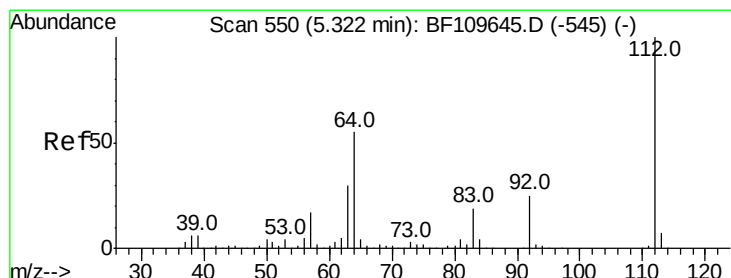
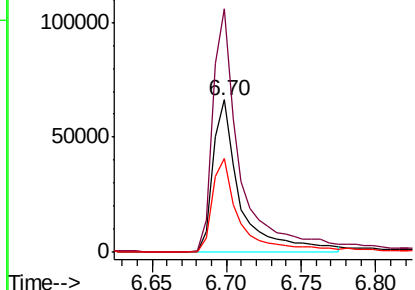
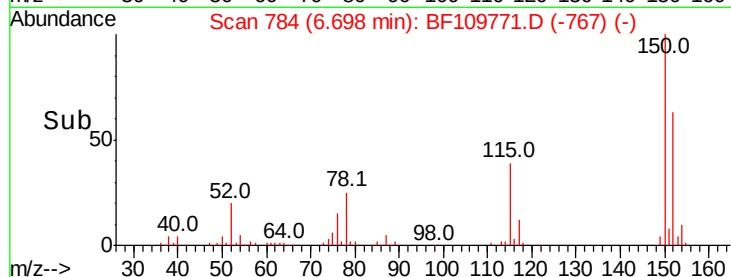
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.00 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.7 | 122.7 | 184.1 |
| 115     | 61.5  | 49.1  | 73.7  |



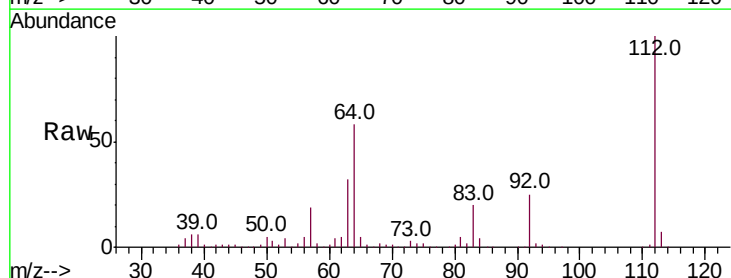
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



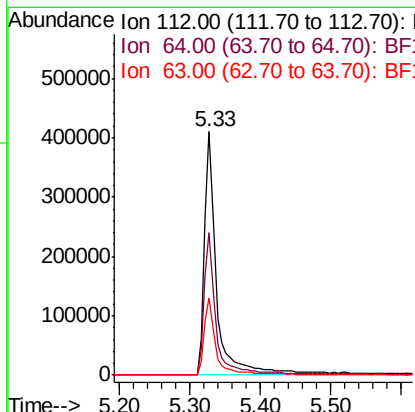
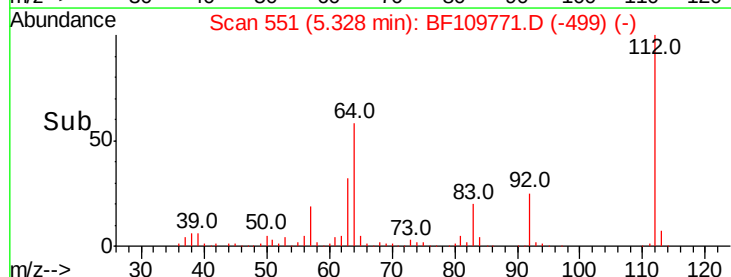
#5

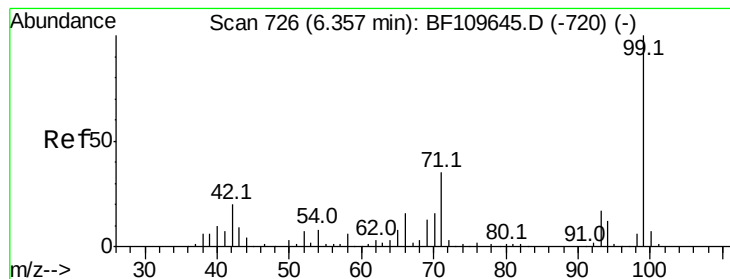
2-Fluorophenol  
 Concen: 104.576 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. 0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 44.1  | 66.1  |
| 63      | 31.6  | 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: 99.650 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

Instrument :

BNA\_F

ClientSampled :

FL-PIT-5

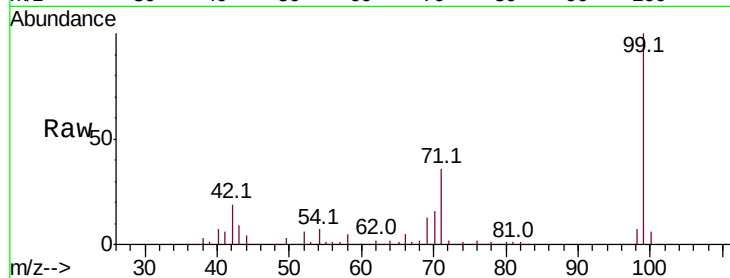
Tot Ion: 99 Resp: 638196

Ion Ratio Lower Upper

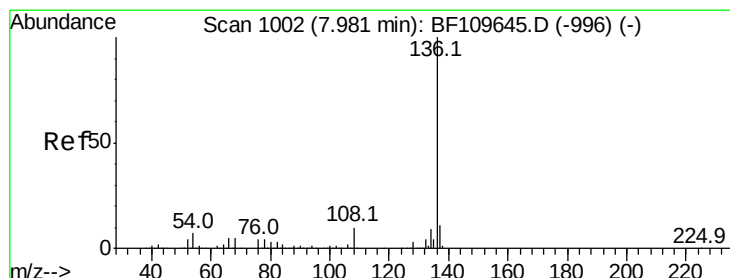
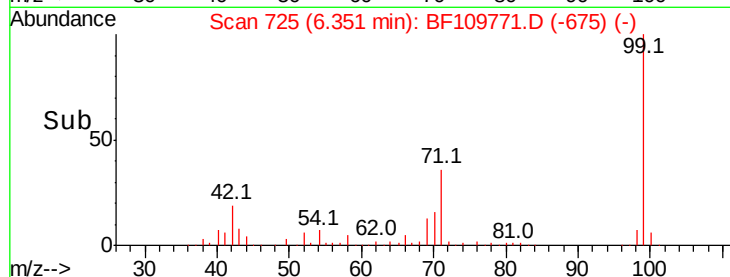
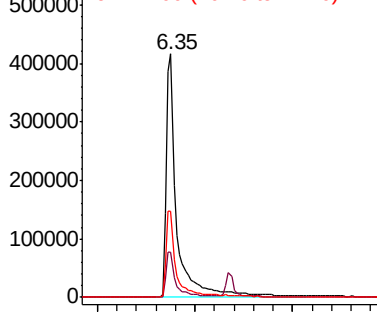
99 100

42 18.6 15.8 23.6

71 35.5 28.0 42.0



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

Tgt Ion: 136 Resp: 340264

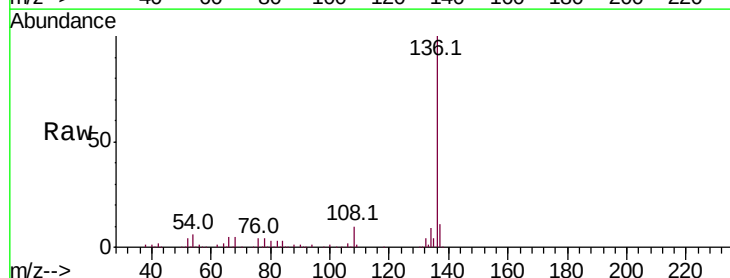
Ion Ratio Lower Upper

136 100

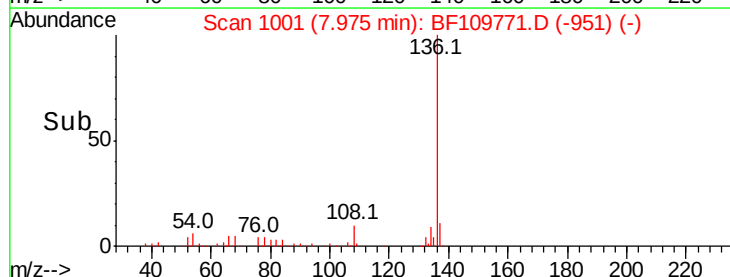
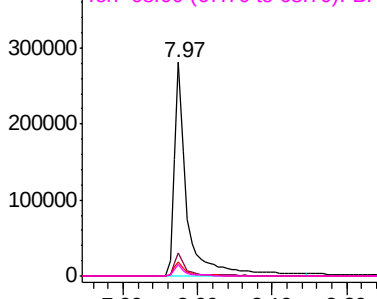
137 10.6 8.8 13.2

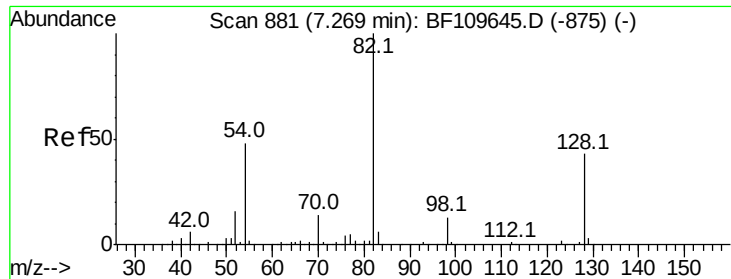
54 6.5 5.4 8.2

68 5.3 4.2 6.2



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

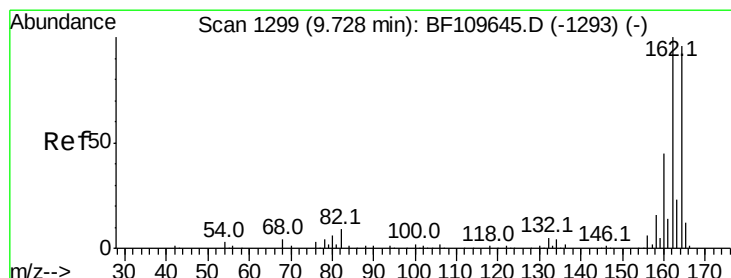
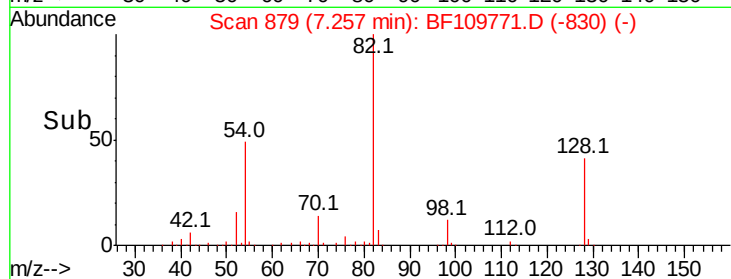
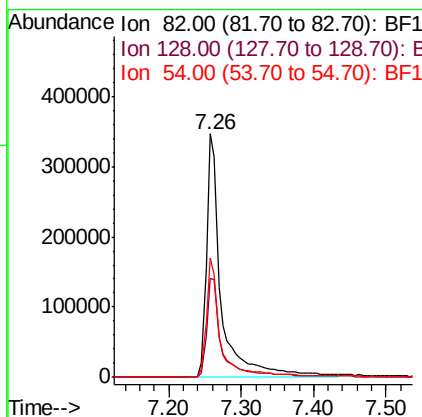
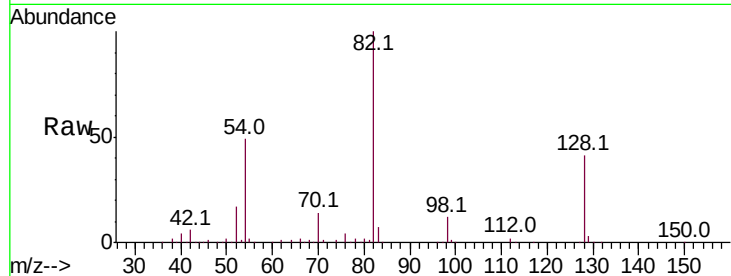




#23  
 Nitrobenzene-d5  
 Concen: 80.871 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

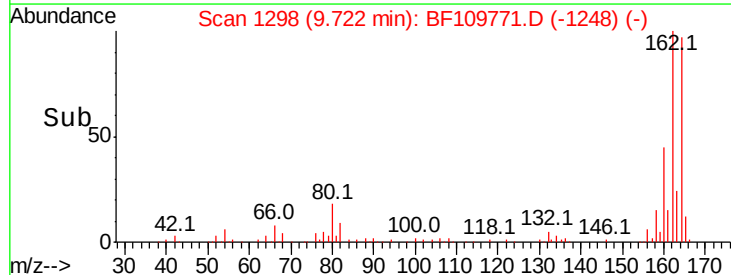
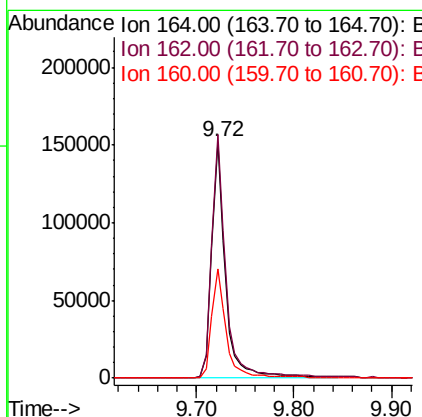
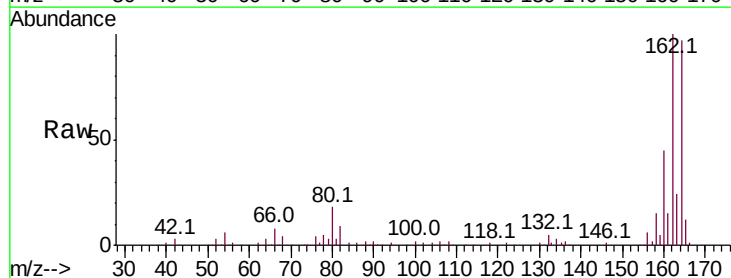
Instrument :  
 BNA\_F  
 ClientSampled :  
 FL-PIT-5

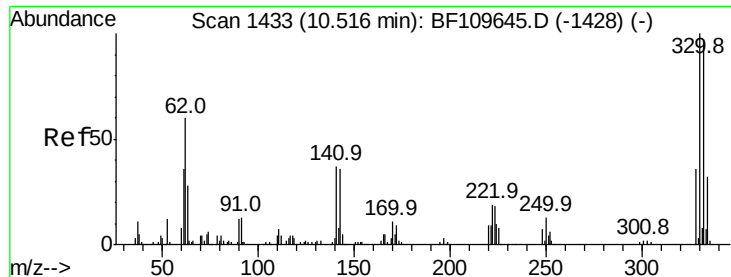
| Tot Ion   | 82   | Resp | 499197 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 34.2 |      |        |
| Upper     | 51.2 |      |        |
| 54        | 49.0 | 38.6 | 58.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

| Tgt Ion   | 164   | Resp | 151835 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 83.0  |      |        |
| Upper     | 124.6 |      |        |
| 162       | 103.1 | 37.0 | 55.6   |

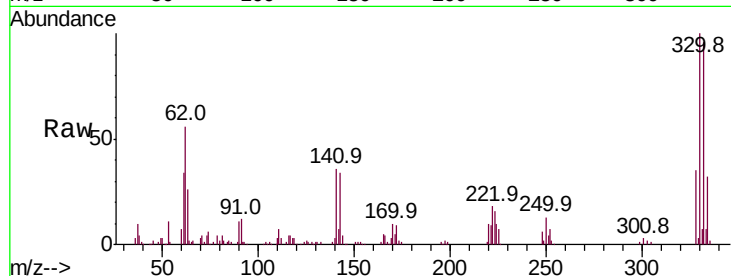




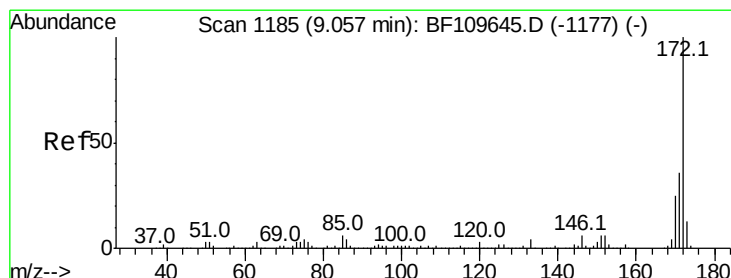
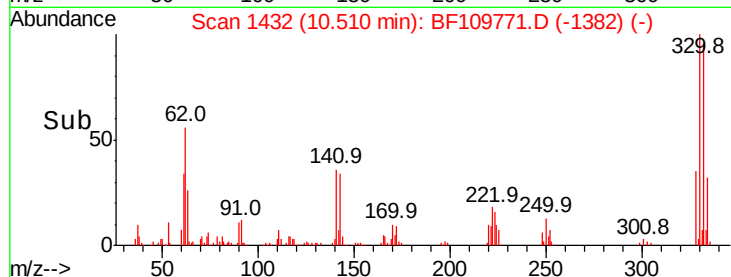
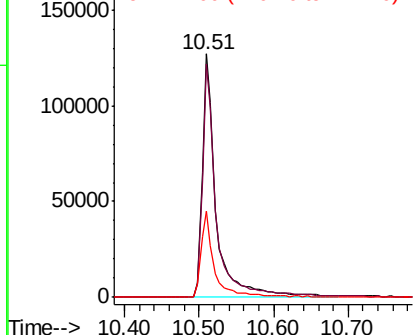
#41  
 2,4,6-Tribromophenol  
 Concen: 101.633 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.1  | 115.7 |
| 141     | 34.0  | 27.0  | 40.4  |

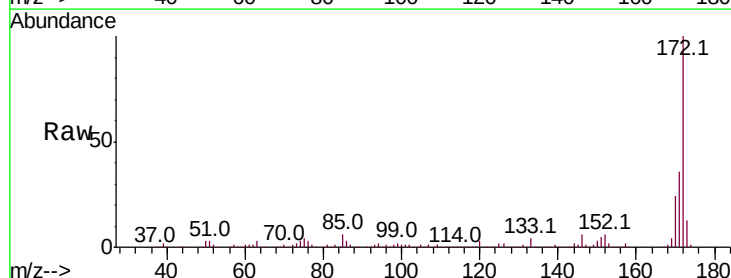


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

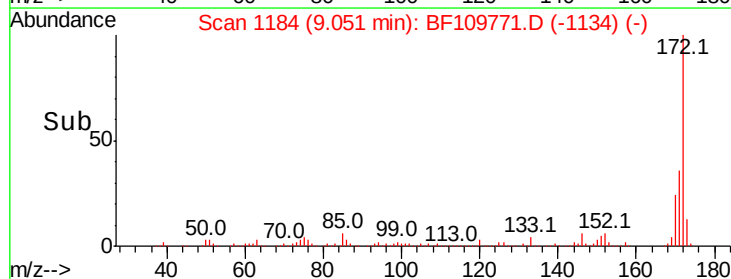
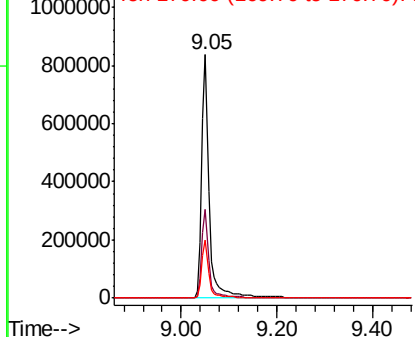


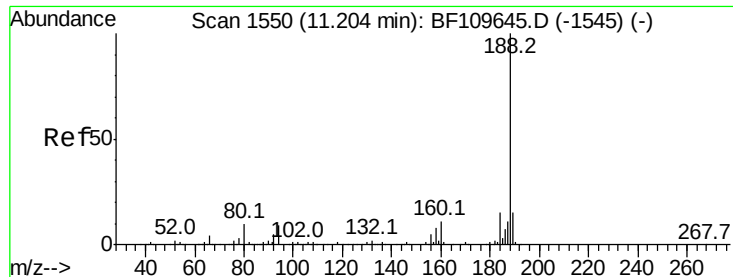
#44  
 2-Fluorobiphenyl  
 Concen: 83.010 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 43.0  |
| 170     | 23.9  | 19.7  | 29.5  |



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

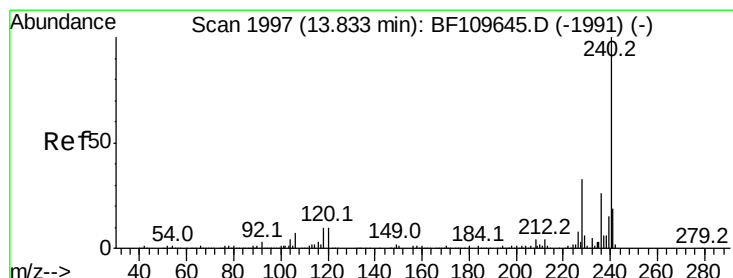
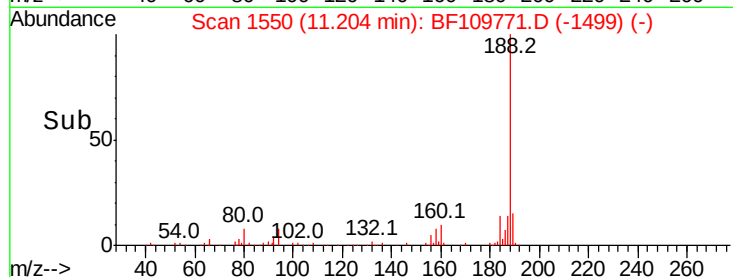
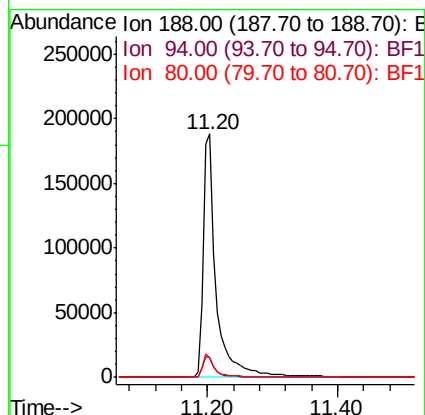
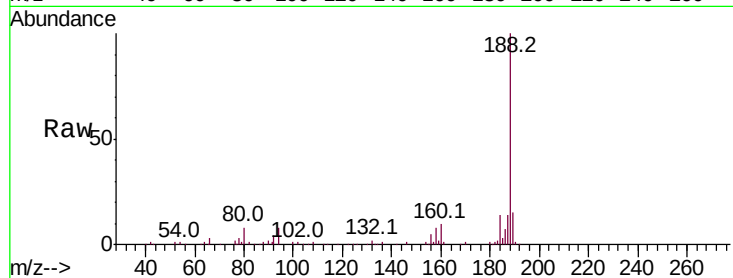




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

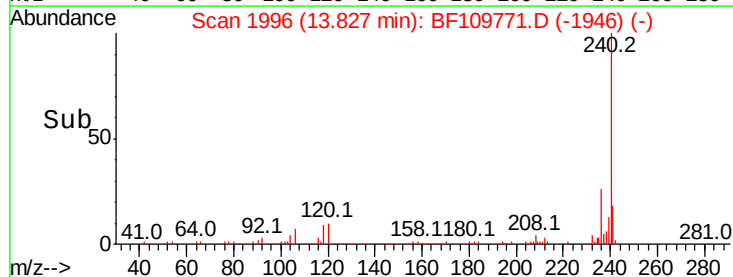
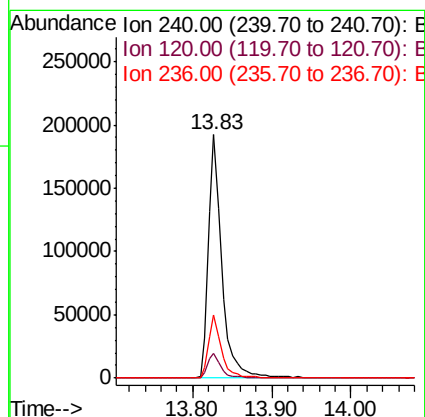
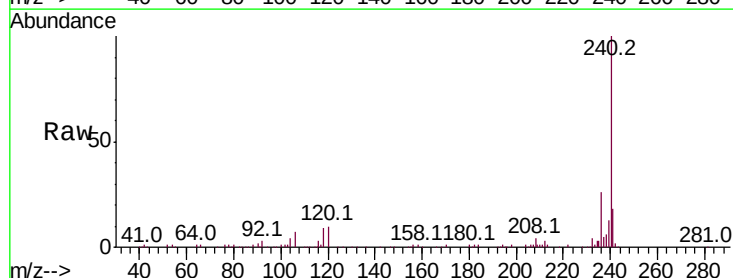
Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

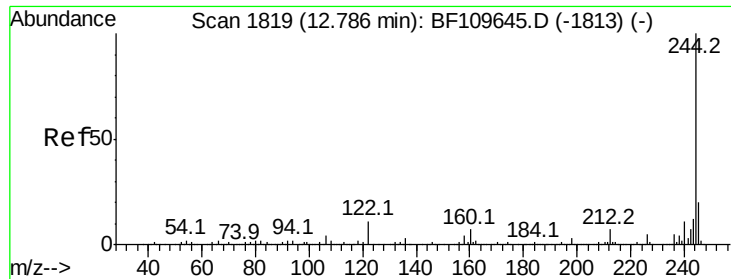
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 7.2   | 10.8  |
| 80      | 8.1   | 7.9   | 11.9  |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.1  | 8.3   | 12.5  |
| 236     | 26.0  | 21.2  | 31.8  |





#78

Terphenyl-d14

Concen: 61.306 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

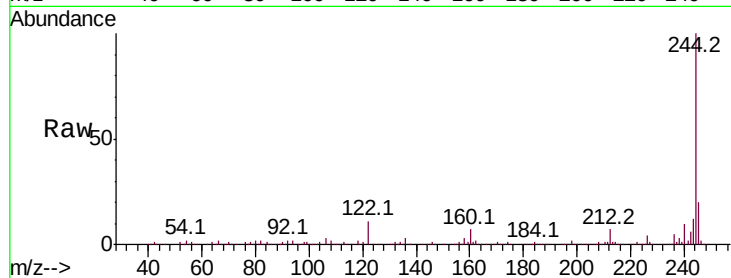
Tot Ion:244 Resp: 727074

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

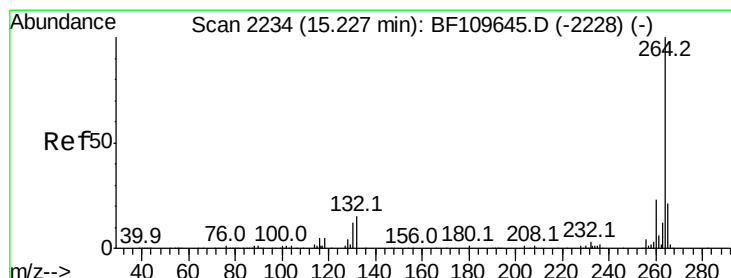
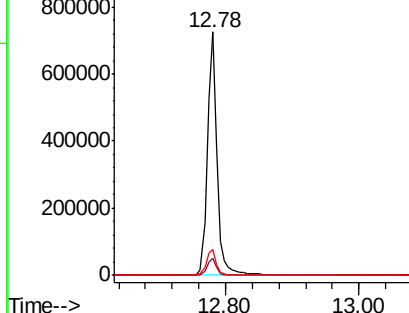
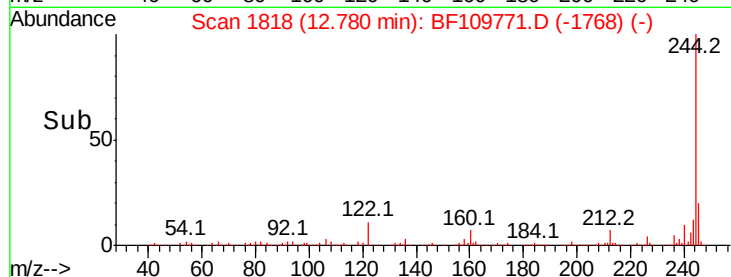
122 10.5 8.7 13.1



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: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

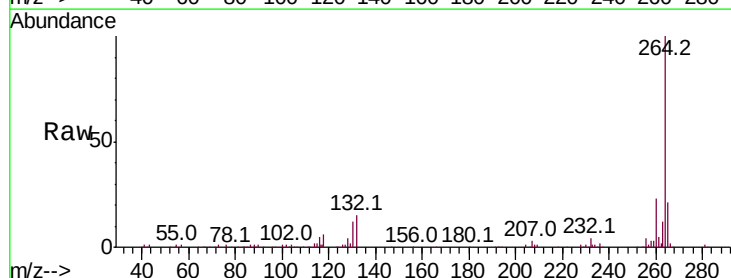
Tgt Ion:264 Resp: 207820

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 20.6 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

