

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\  
 Data File : BF110534.D  
 Acq On : 6 Nov 2018 23:55  
 Operator : JU/SJ  
 Sample : J5818-01 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Quant Time: Nov 07 13:03:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 86406    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 328077   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.00 | 164  | 124826   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 204902   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.14 | 240  | 147653   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.67 | 264  | 109188   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 39437    | 7.43  | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 2646     | 0.39  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 93461    | 16.90 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 17544    | 14.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 182543   | 22.96 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 142269   | 20.04 | ng    | 0.00     |

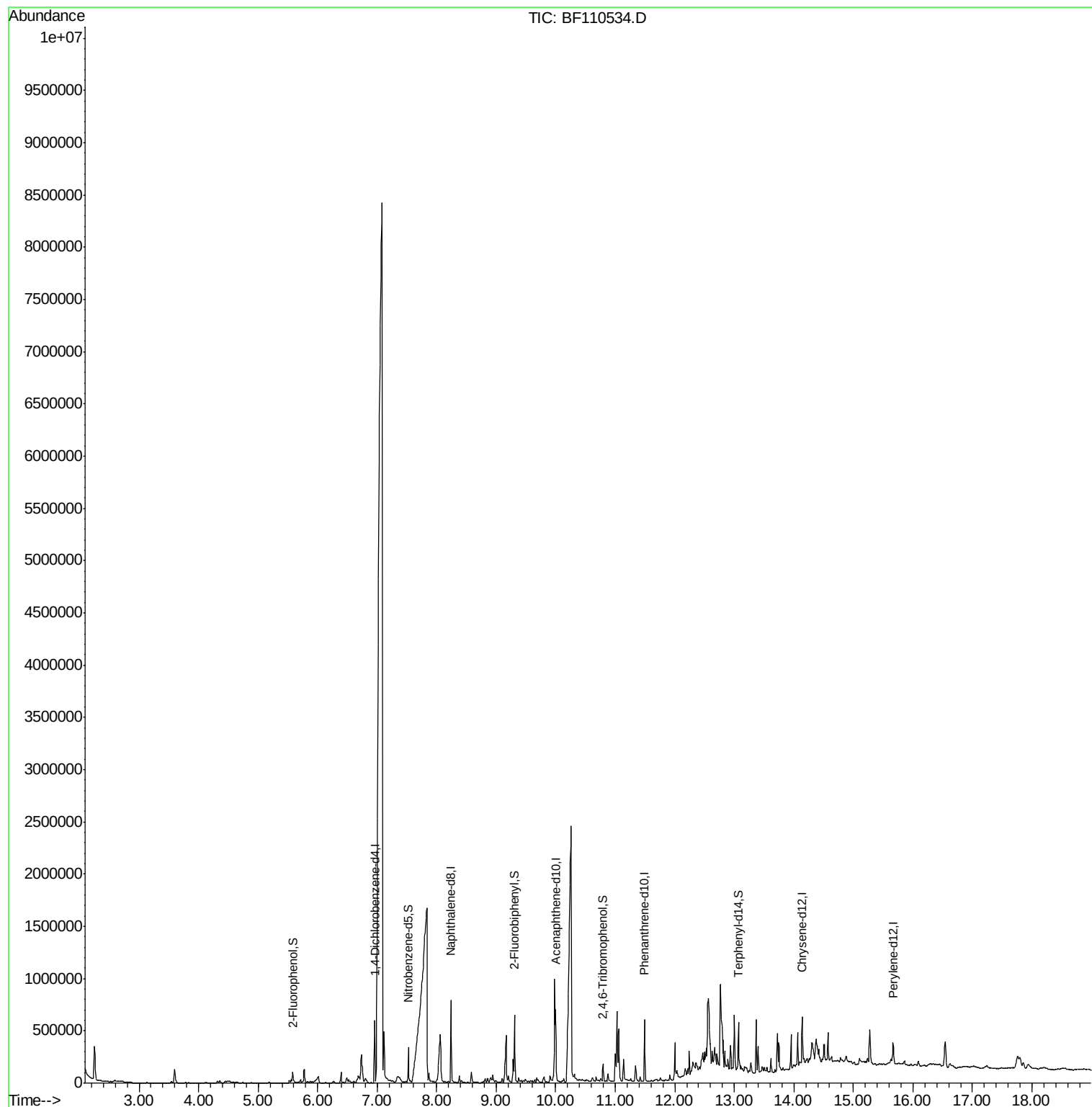
Target Compounds Qvalue

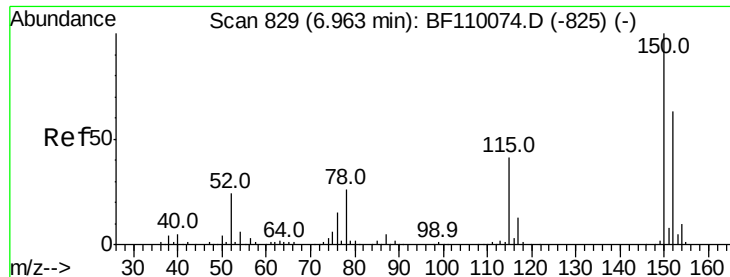
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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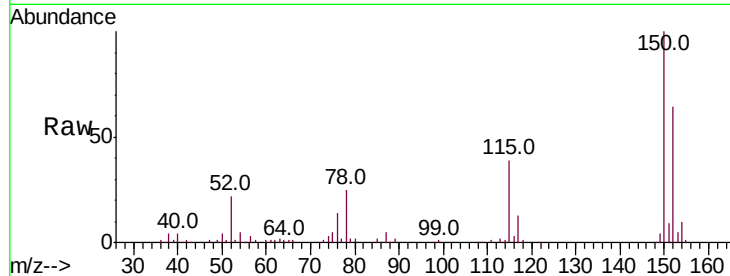


#1

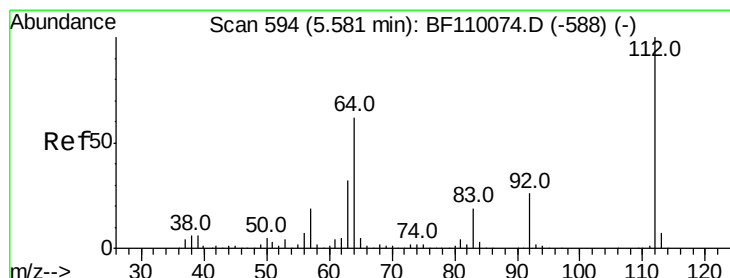
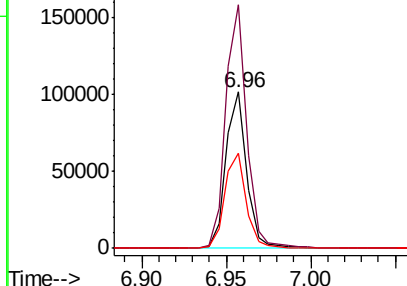
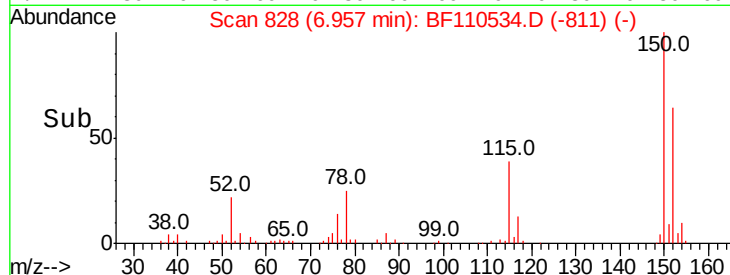
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110534.D  
Acq: 6 Nov 2018 23:55

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

Tot Ion:152 Resp: 86406  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.7 184.1  
115 61.3 49.1 73.7



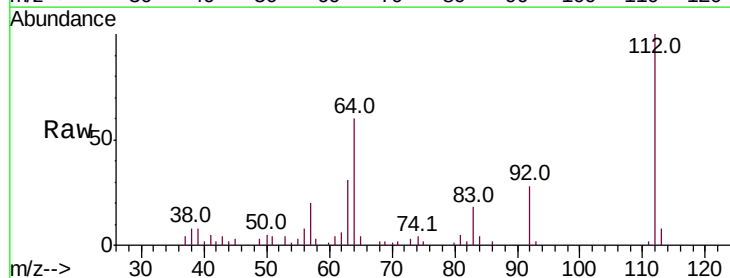
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



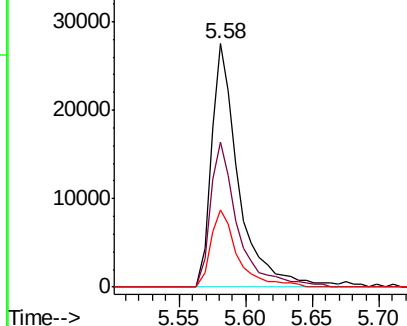
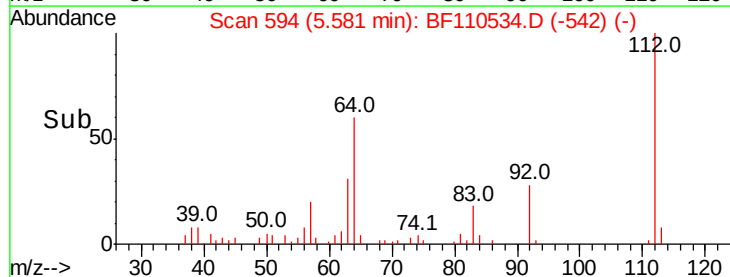
#5

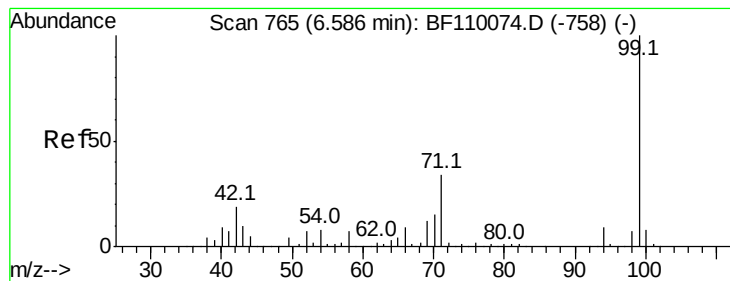
2-Fluorophenol  
Concen: 7.432 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.01 min  
Lab File: BF110534.D  
Acq: 6 Nov 2018 23:55

Tgt Ion:112 Resp: 39437  
Ion Ratio Lower Upper  
112 100  
64 59.6 44.1 66.1  
63 31.5 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: 0.390 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110534.D

Acq: 6 Nov 2018 23:55

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

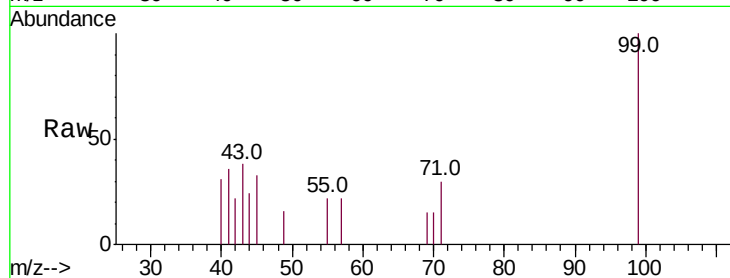
Tot Ion: 99 Resp: 2646

Ion Ratio Lower Upper

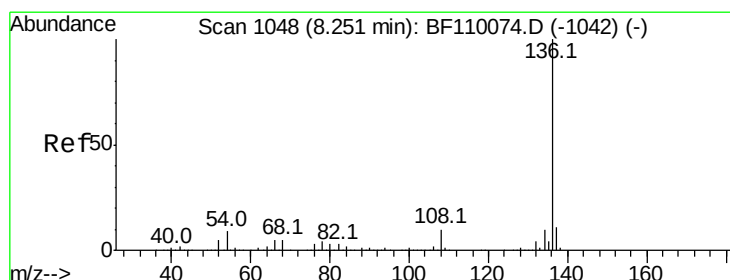
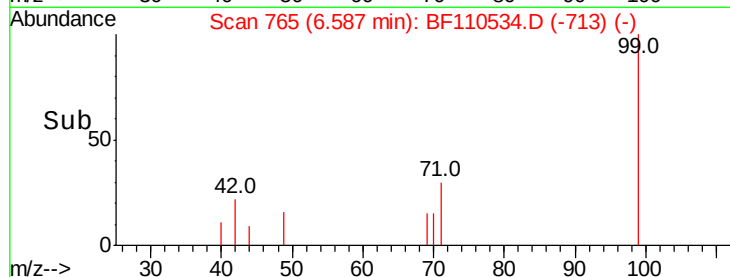
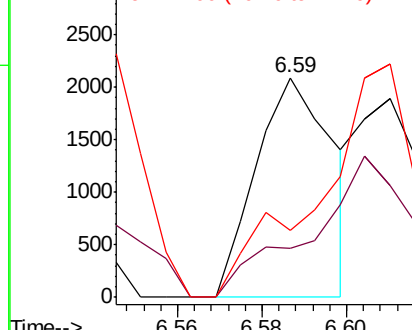
99 100

42 22.1 15.8 23.6

71 30.3 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: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110534.D

Acq: 6 Nov 2018 23:55

Tgt Ion: 136 Resp: 328077

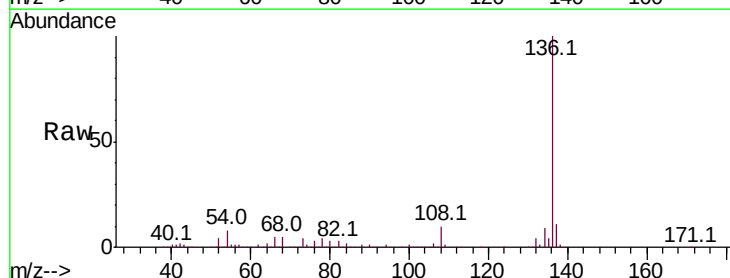
Ion Ratio Lower Upper

136 100

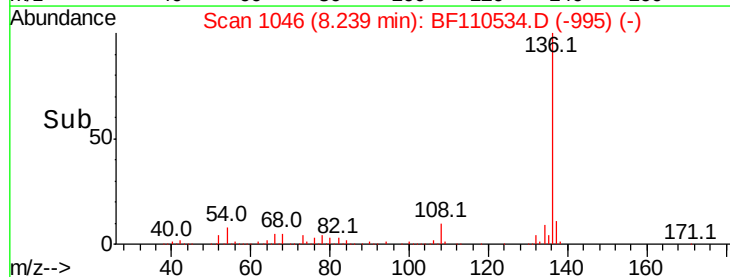
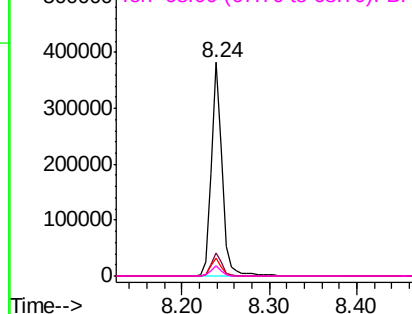
137 10.9 8.8 13.2

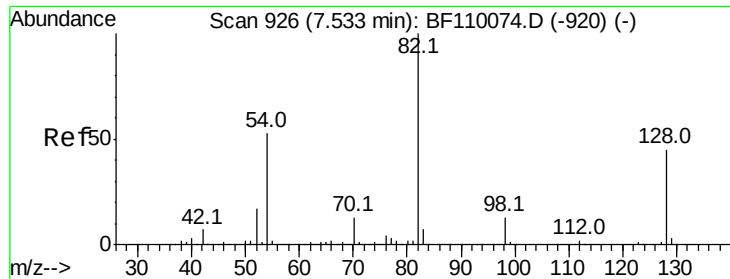
54 8.1 5.4 8.2

68 5.0 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

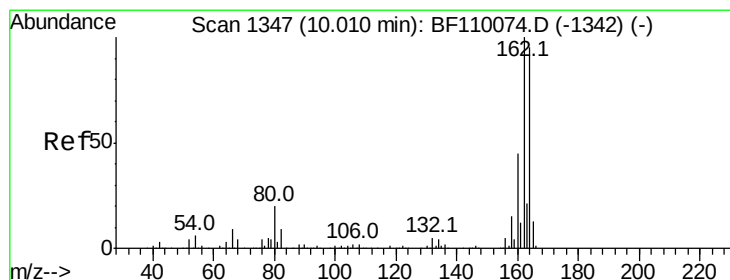
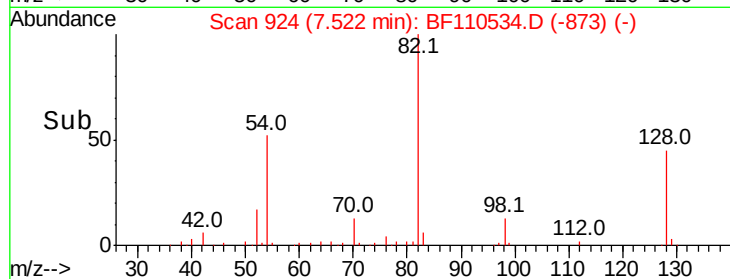
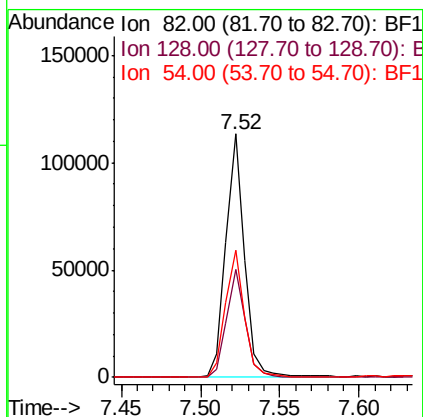
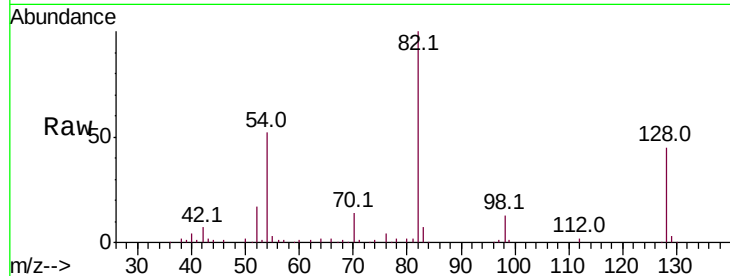




#23  
 Nitrobenzene-d5  
 Concen: 16.897 ng  
 RT: 7.52 min Scan# 924  
 Delta R.T. 0.00 min  
 Lab File: BF110534.D  
 Acq: 6 Nov 2018 23:55

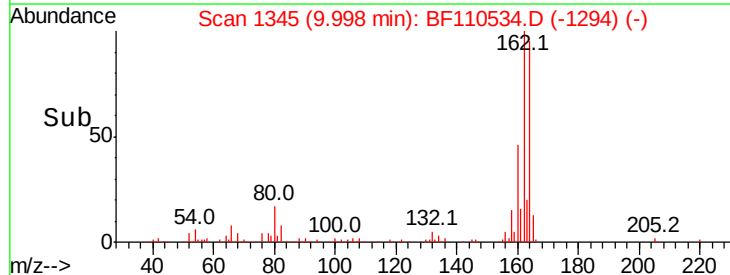
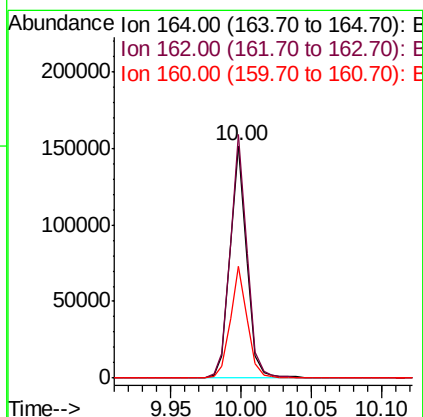
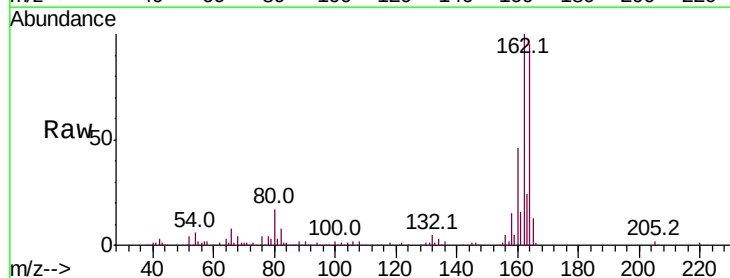
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

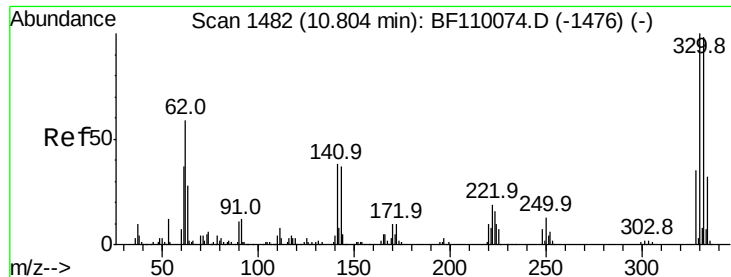
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 93461 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.6  | 34.2  | 51.2  |
| 54       | 52.3  | 38.6  | 58.0  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. 0.00 min  
 Lab File: BF110534.D  
 Acq: 6 Nov 2018 23:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 124826 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 104.8 | 83.0  | 124.6  |
| 160      | 47.9  | 37.0  | 55.6   |

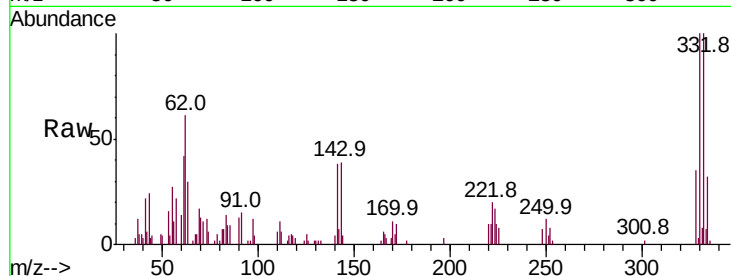




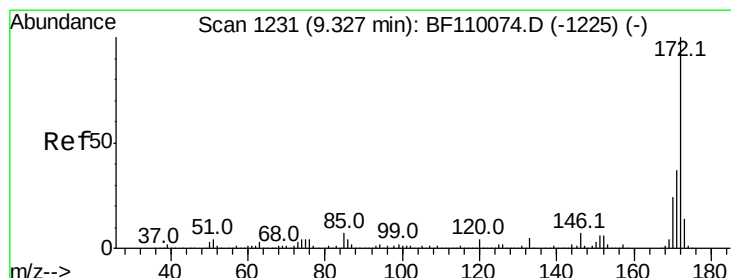
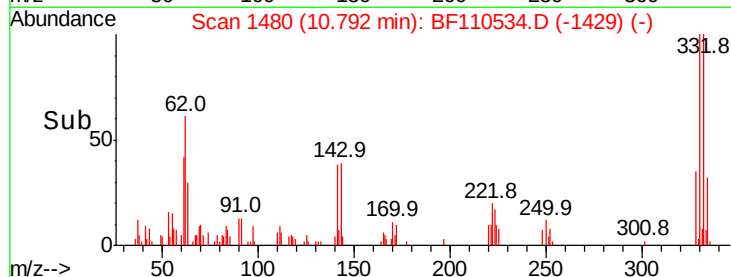
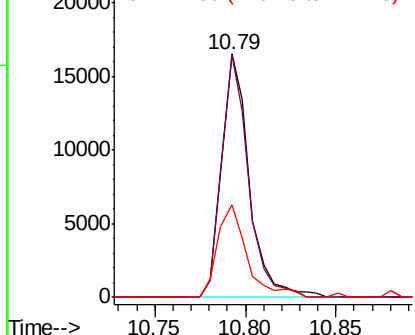
#42  
 2,4,6-Tribromophenol  
 Concen: 14.189 ng  
 RT: 10.79 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: BF110534.D  
 Acq: 6 Nov 2018 23:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Tot Ion:330 Resp: 17544  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.1 115.7  
 141 40.5 27.0 40.4#

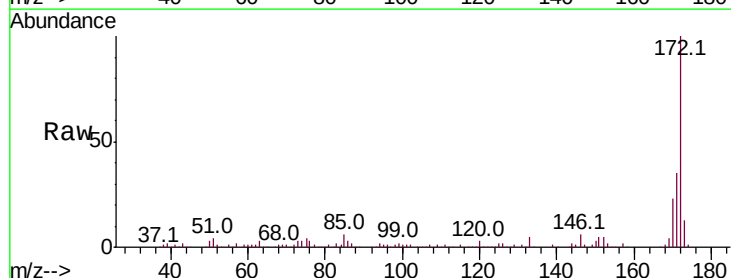


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

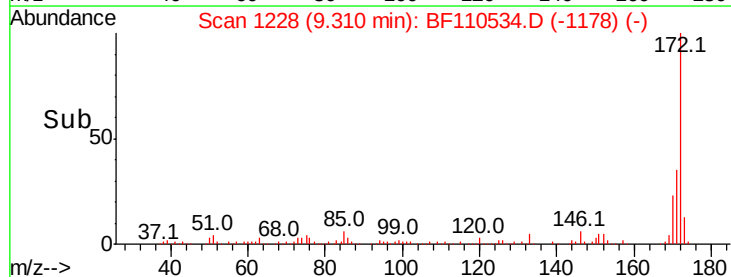
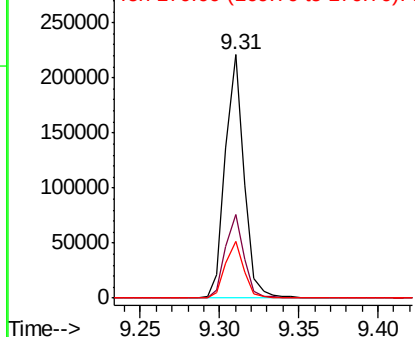


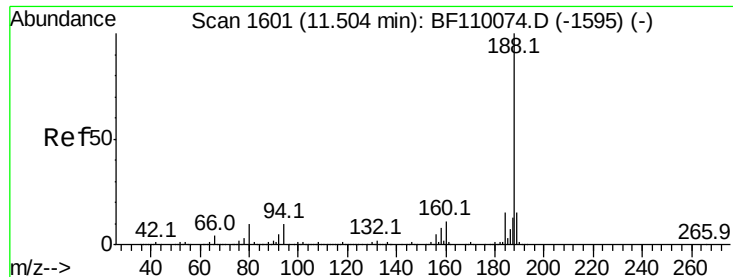
#45  
 2-Fluorobiphenyl  
 Concen: 22.963 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110534.D  
 Acq: 6 Nov 2018 23:55

Tgt Ion:172 Resp: 182543  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 28.6 43.0  
 170 23.2 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

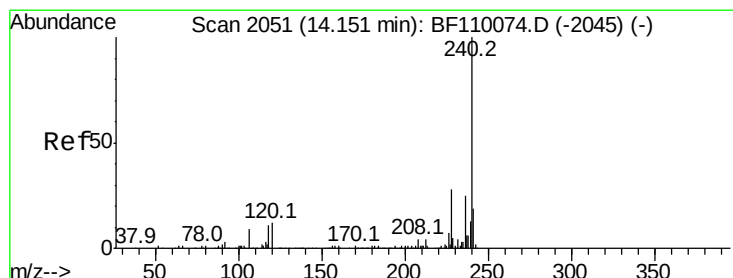
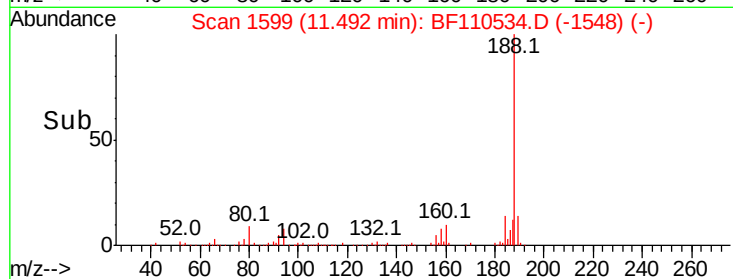
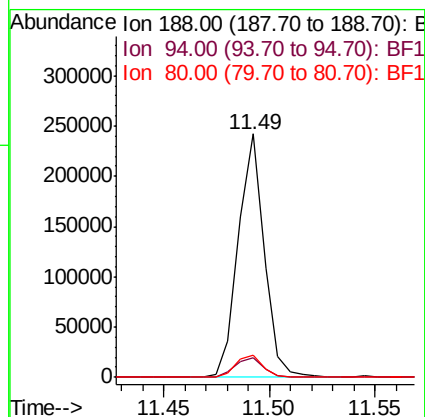
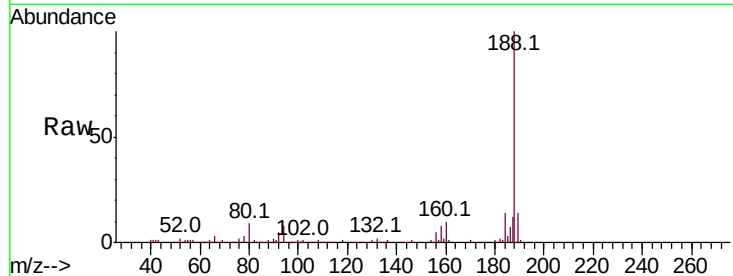




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: BF110534.D  
Acq: 6 Nov 2018 23:55

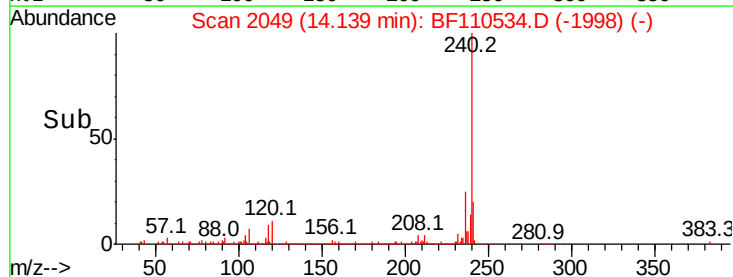
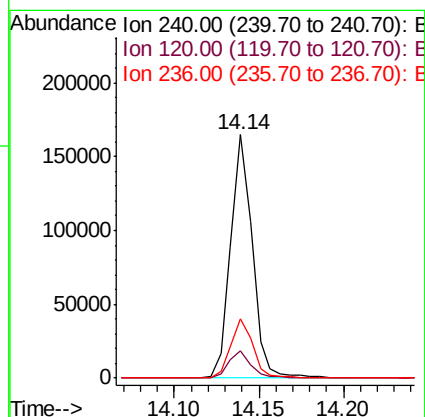
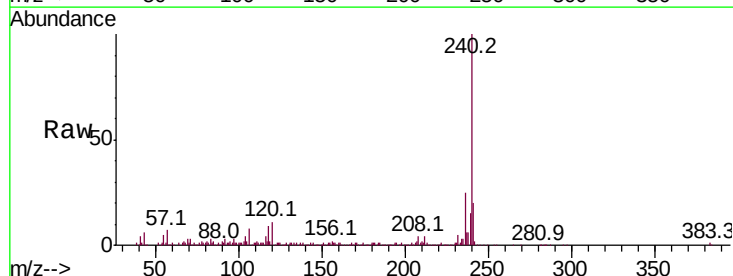
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

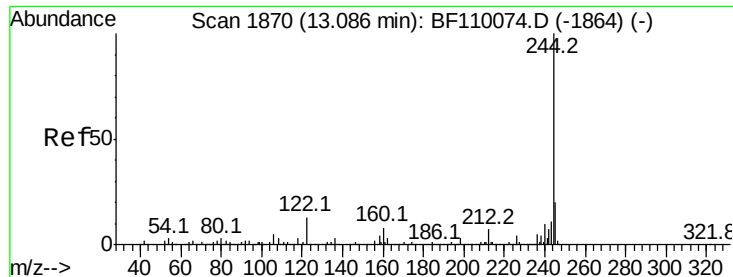
Tot Ion:188 Resp: 204902  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.2 10.8  
80 9.1 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2049  
Delta R.T. 0.00 min  
Lab File: BF110534.D  
Acq: 6 Nov 2018 23:55

Tgt Ion:240 Resp: 147653  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.3 12.5  
236 24.6 21.2 31.8





#79

Terphenyl-d14

Concen: 20.039 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110534.D

Acq: 6 Nov 2018 23:55

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

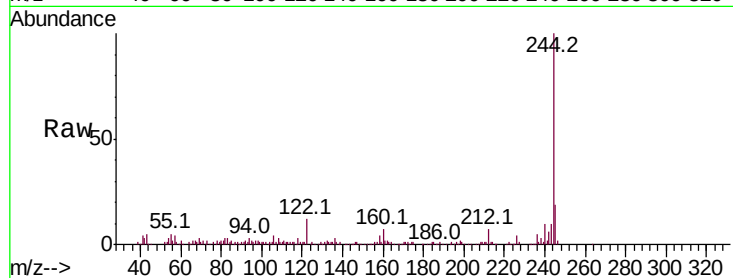
Tot Ion:244 Resp: 142269

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

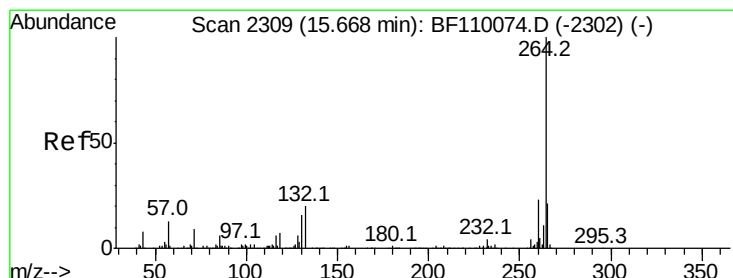
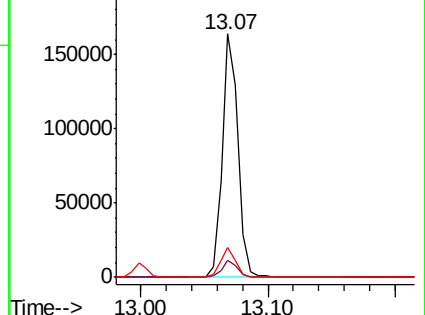
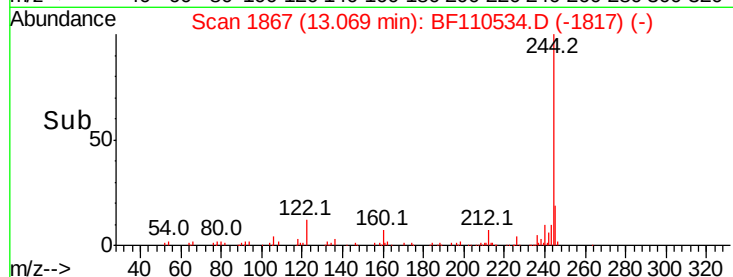
122 12.1 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110534.D

Acq: 6 Nov 2018 23:55

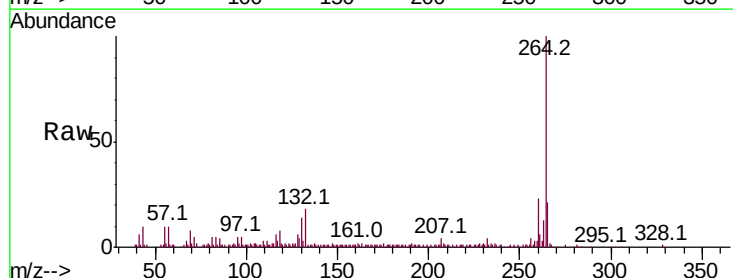
Tgt Ion:264 Resp: 109188

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 20.7 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

