

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\  
 Data File : BF110889.D  
 Acq On : 20 Nov 2018 12:56  
 Operator : JU/SJ  
 Sample : J5993-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180926-WCC-2-COMPOSITE

Quant Time: Nov 20 14:28:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

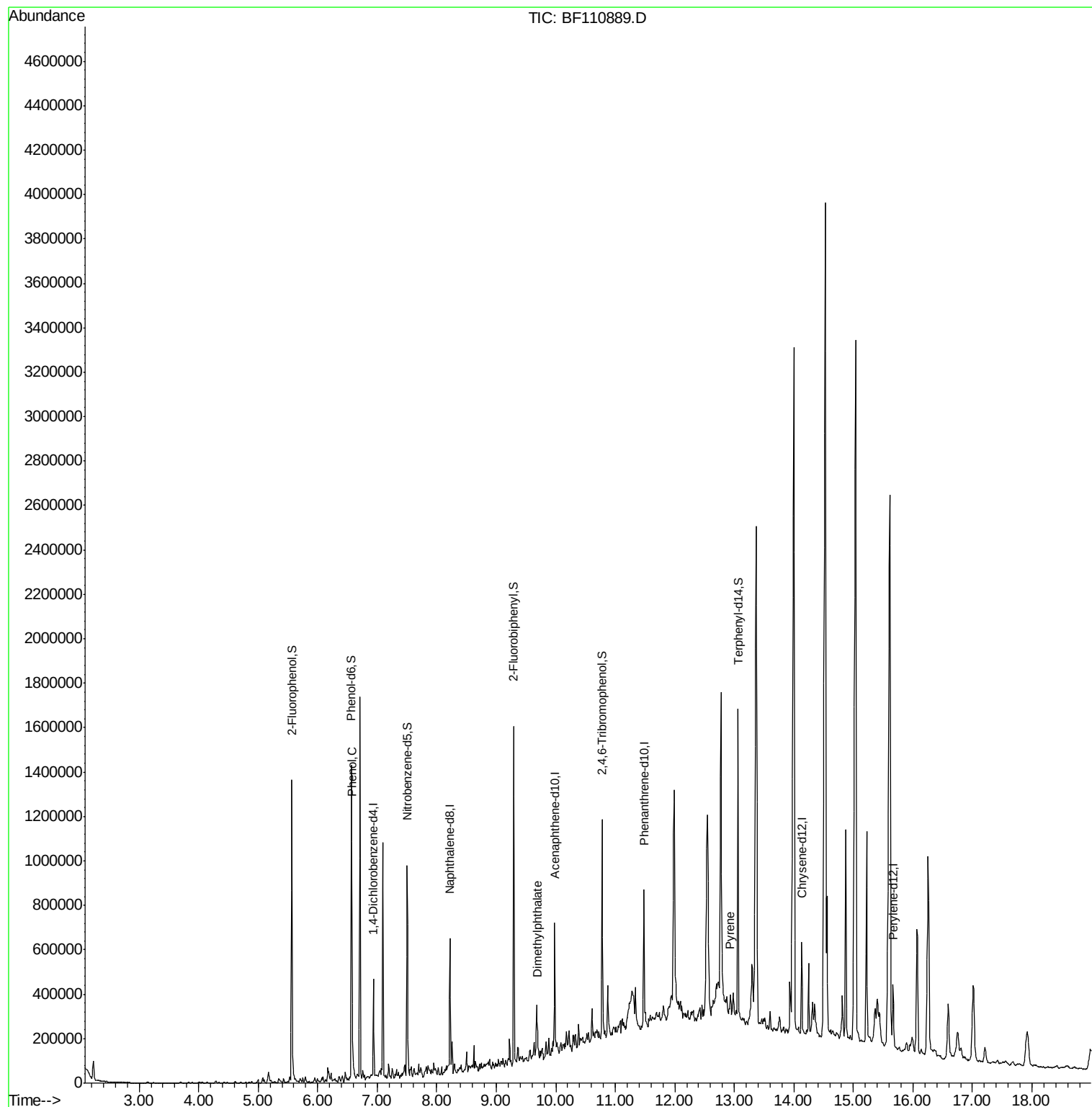
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 59596    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.22  | 136  | 246996   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.98  | 164  | 120731   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.48 | 188  | 224007   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 135946   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.67 | 264  | 135788   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 402533   | 109.71 | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 517315   | 110.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 307358   | 71.66  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330  | 114198   | 93.87  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.29  | 172  | 465654   | 55.08  | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.06 | 244  | 421684   | 58.09  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.58  | 94   | 28188    | 5.181  | ng    | 80       |
| 50) Dimethylphthalate       | 9.69  | 163  | 46171    | 5.125  | ng    | 99       |
| 78) Pyrene                  | 12.93 | 202  | 23084    | 2.205  | ng    | # 93     |

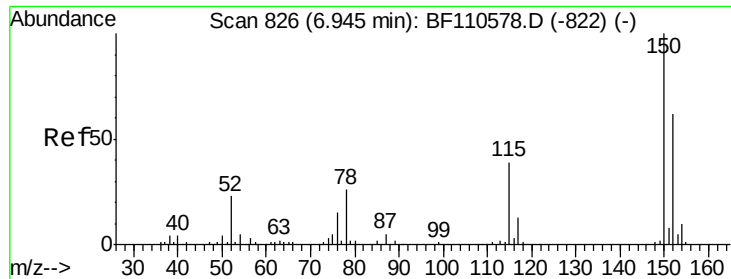
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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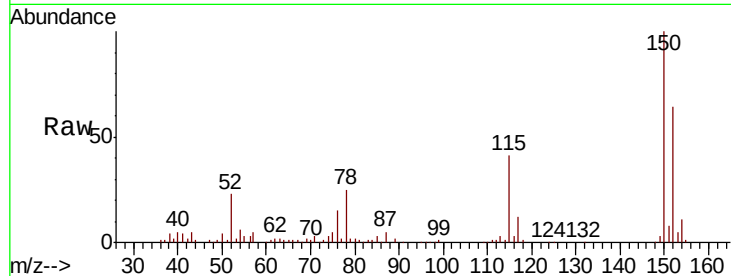


#1

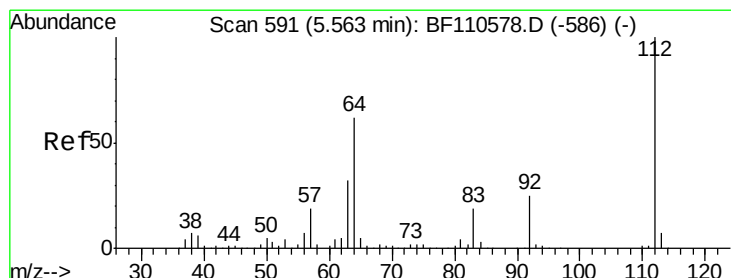
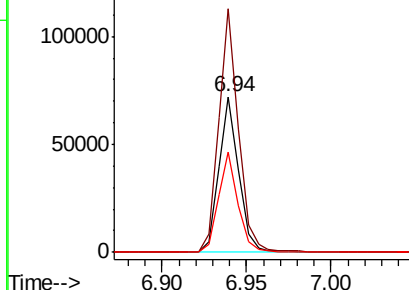
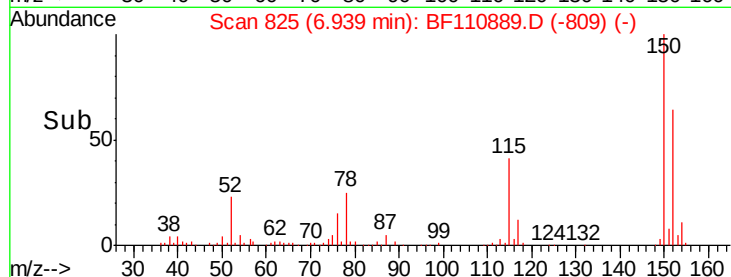
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

Instrument :  
BNA\_F  
ClientSampleId :  
20180926-WCC-2-COMPOSITE

Tot Ion:152 Resp: 59596  
Ion Ratio Lower Upper  
152 100  
150 156.4 122.7 184.1  
115 64.5 49.1 73.7



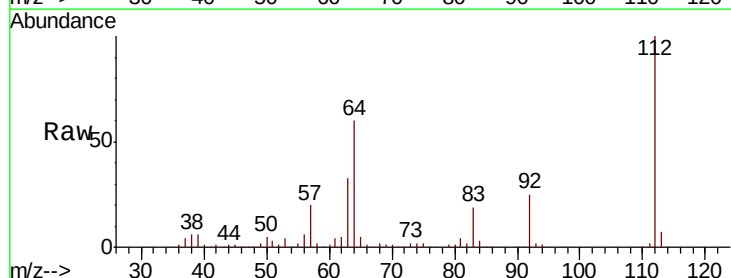
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



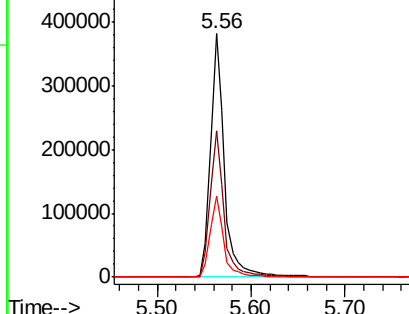
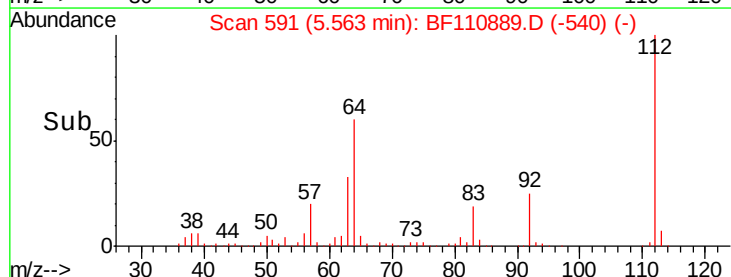
#5

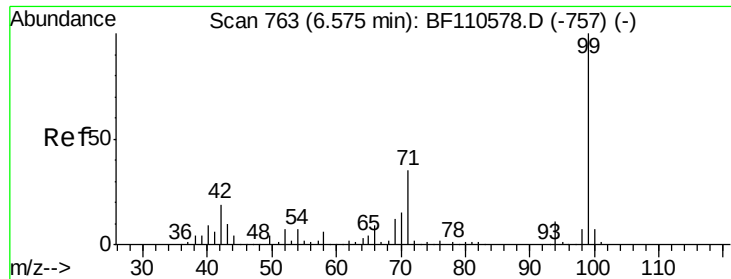
2-Fluorophenol  
Concen: 109.712 ng  
RT: 5.56 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

Tgt Ion:112 Resp: 402533  
Ion Ratio Lower Upper  
112 100  
64 60.3 44.1 66.1  
63 33.4 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: 110.260 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110889.D

Acq: 20 Nov 2018 12:56

Instrument :

BNA\_F

ClientSampleId :

20180926-WCC-2-COMPOSITE

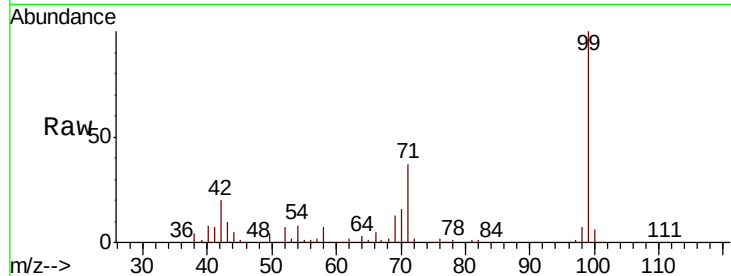
Tot Ion: 99 Resp: 517315

Ion Ratio Lower Upper

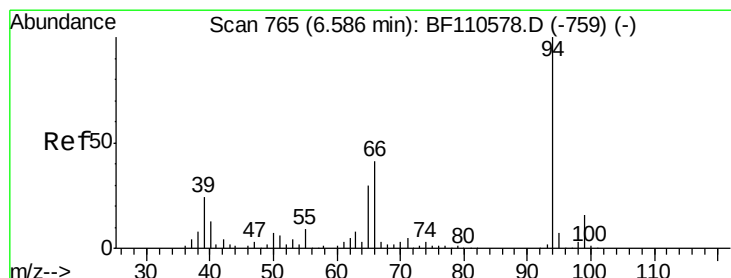
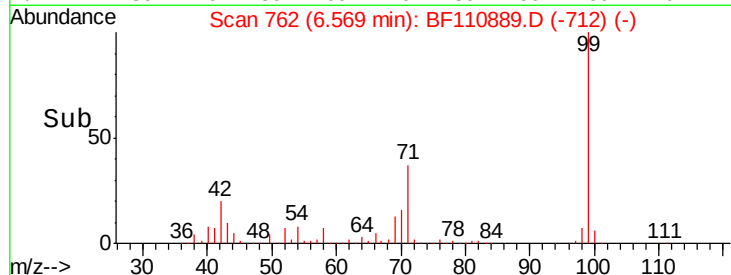
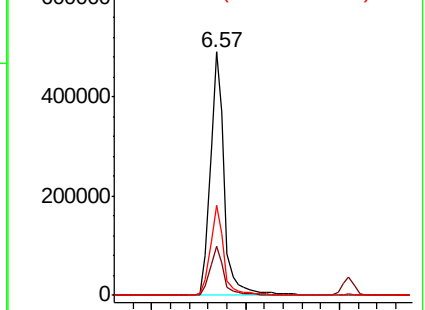
99 100

42 20.2 15.8 23.6

71 36.8 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



#10

Phenol

Concen: 5.181 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110889.D

Acq: 20 Nov 2018 12:56

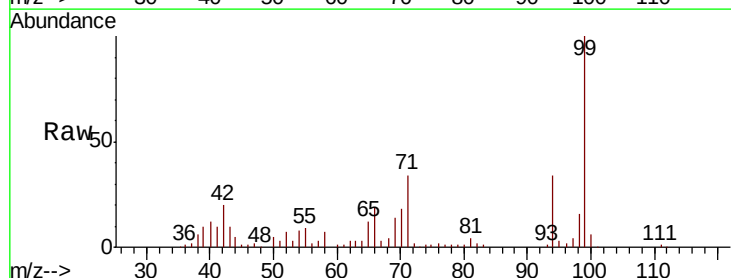
Tgt Ion: 94 Resp: 28188

Ion Ratio Lower Upper

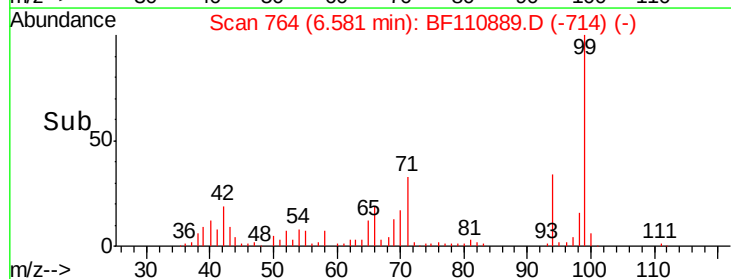
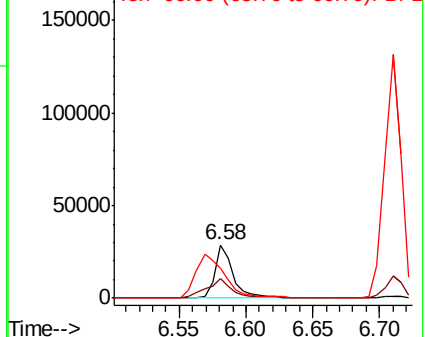
94 100

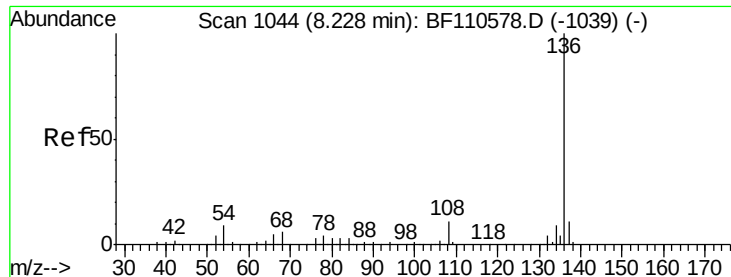
65 35.9 25.3 65.3

66 54.9 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110889.D

Acq: 20 Nov 2018 12:56

Instrument :

BNA\_F

ClientSampleId :

20180926-WCC-2-COMPOSITE

Tot Ion:136 Resp: 246996

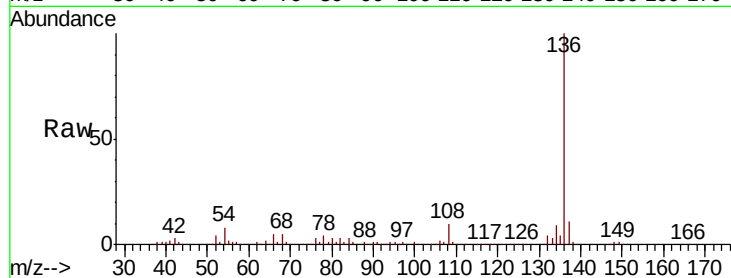
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.7 5.4 8.2

68 5.0 4.2 6.2

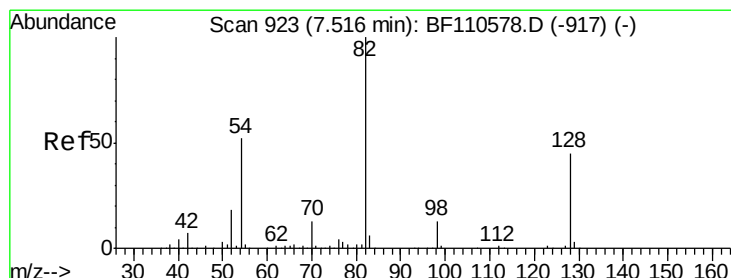
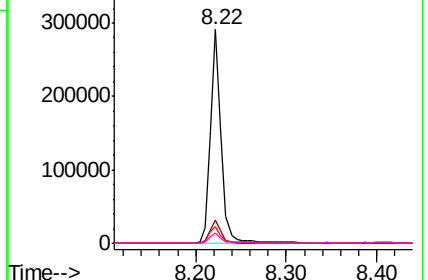
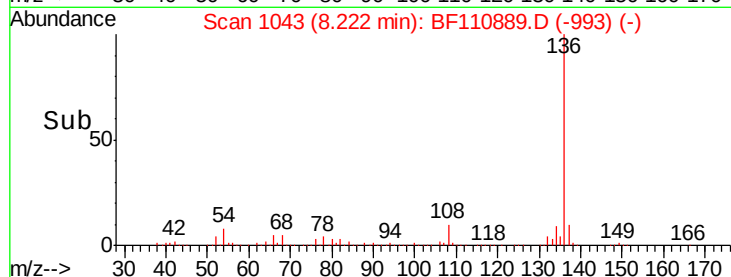


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.664 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110889.D

Acq: 20 Nov 2018 12:56

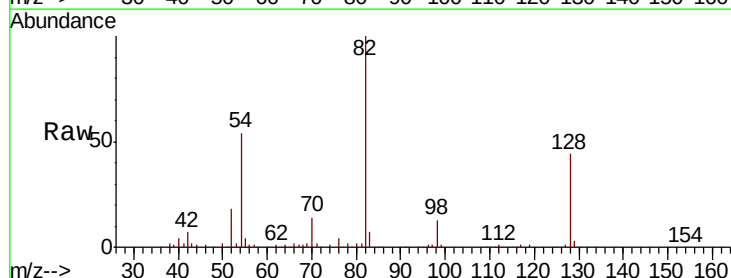
Tgt Ion: 82 Resp: 307358

Ion Ratio Lower Upper

82 100

128 43.9 34.2 51.2

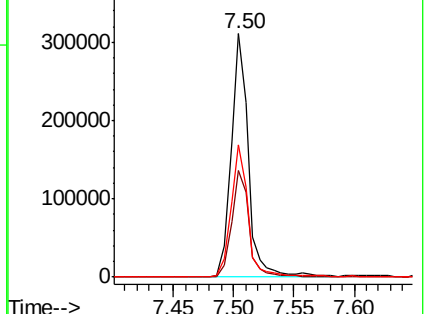
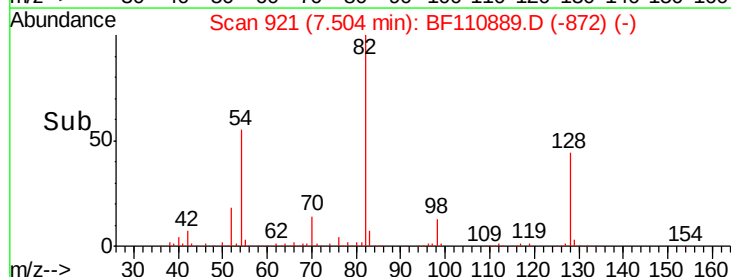
54 54.4 38.6 58.0

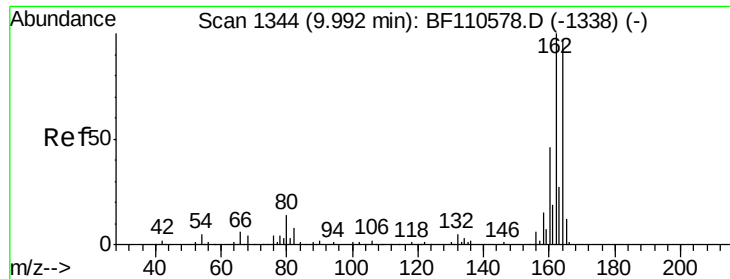


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

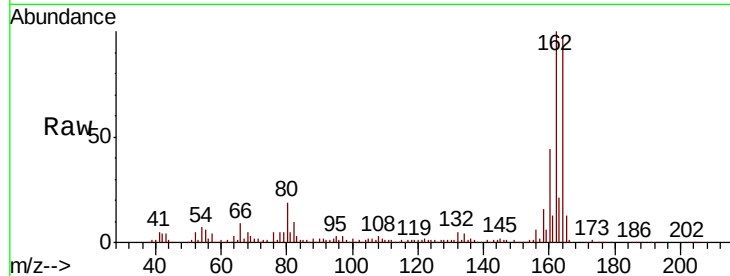




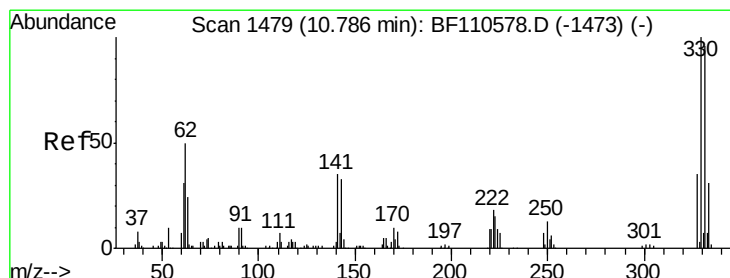
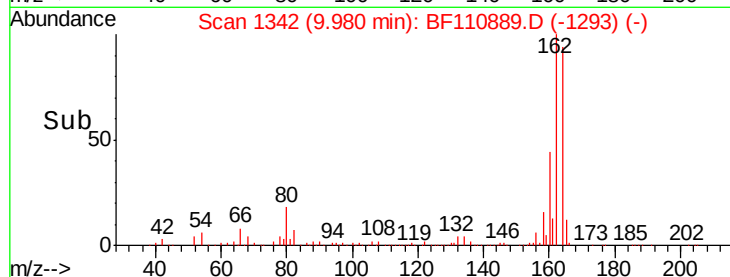
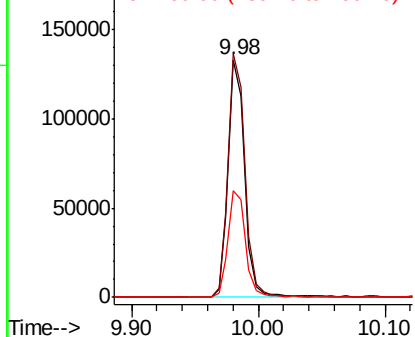
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. -0.01 min  
 Lab File: BF110889.D  
 Acq: 20 Nov 2018 12:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180926-WCC-2-COMPOSITE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 83.0  | 124.6 |
| 160     | 45.1  | 37.0  | 55.6  |

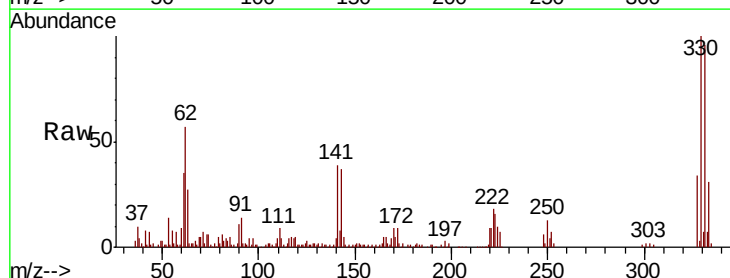


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

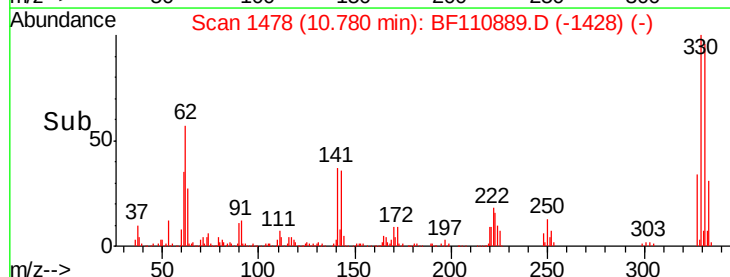
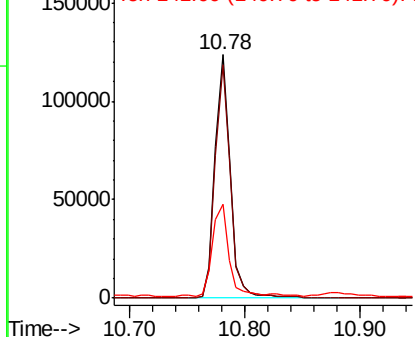


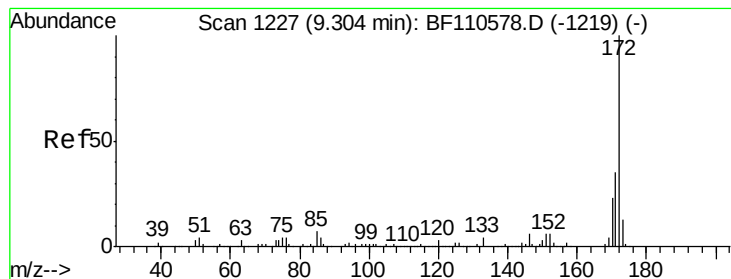
#42  
 2,4,6-Tribromophenol  
 Concen: 93.873 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110889.D  
 Acq: 20 Nov 2018 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.1  | 115.7 |
| 141     | 40.4  | 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

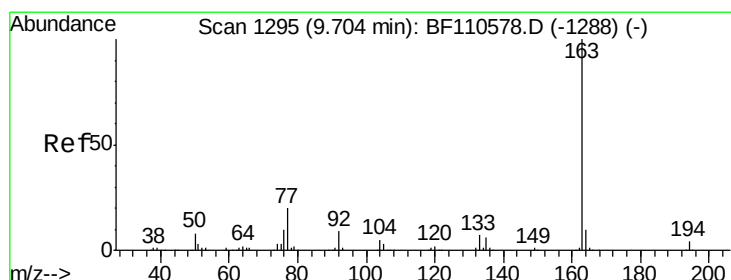
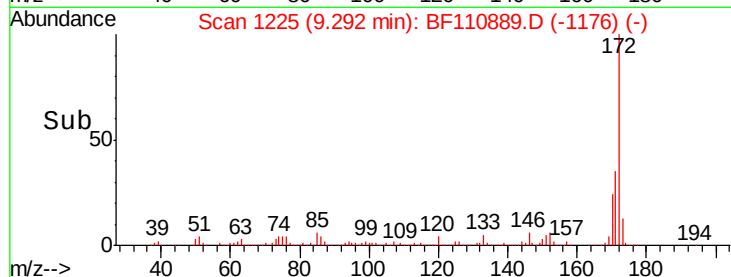
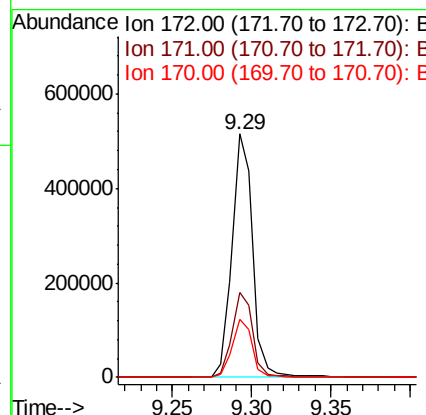
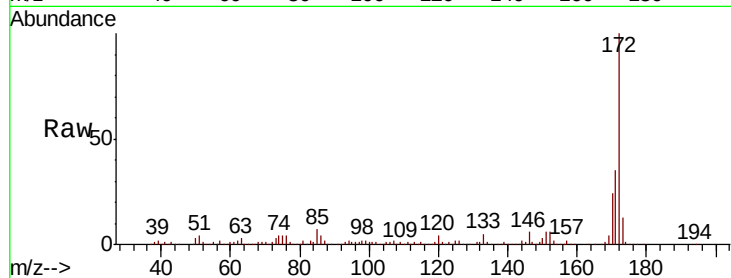




#45  
2-Fluorobiphenyl  
Concen: 55.084 ng  
RT: 9.29 min Scan# 1225  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

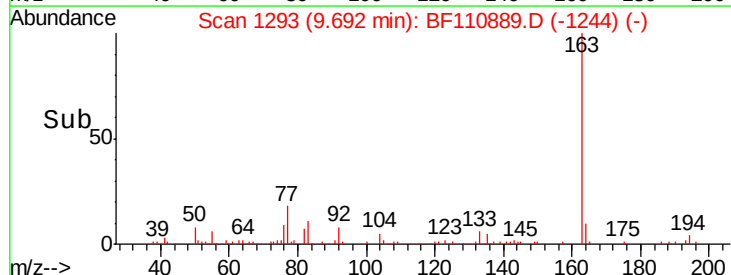
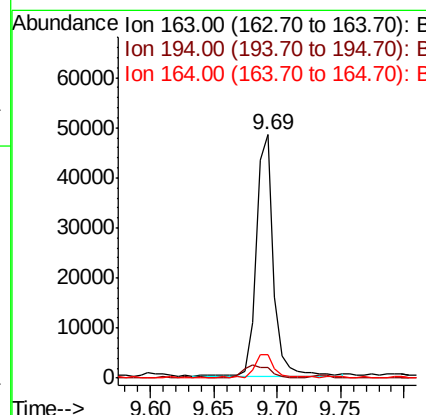
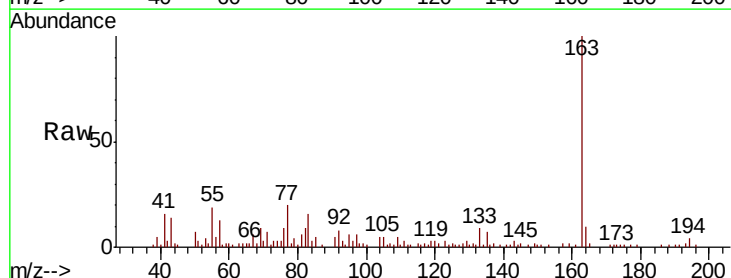
Instrument :  
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20180926-WCC-2-COMPOSITE

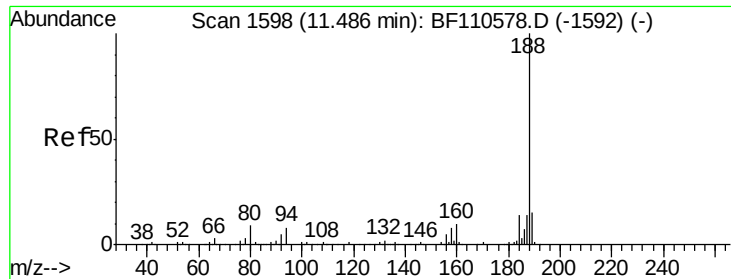
Tot Ion:172 Resp: 465654  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.6 43.0  
170 23.9 19.7 29.5



#50  
Dimethylphthalate  
Concen: 5.125 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

Tgt Ion:163 Resp: 46171  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.2 4.8  
164 9.9 8.1 12.1

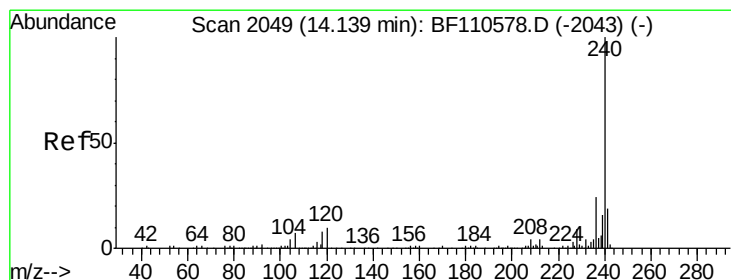
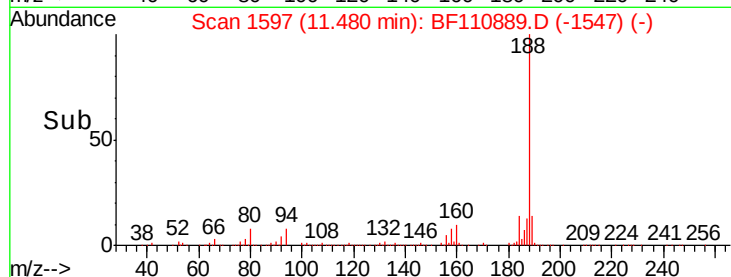
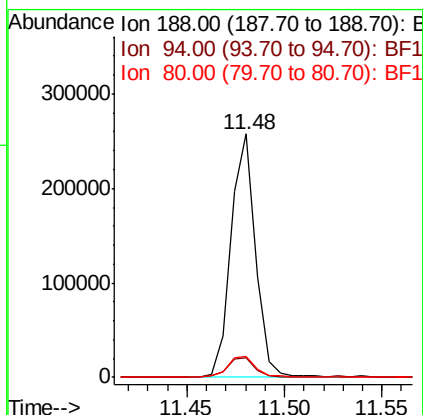
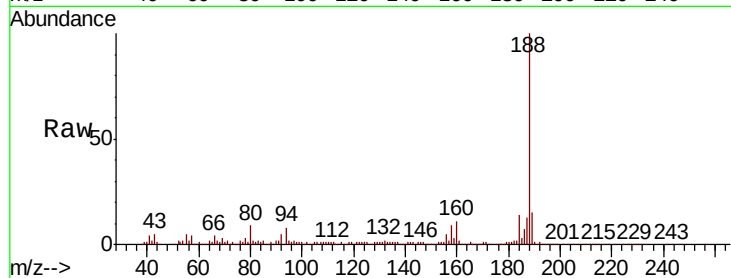




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

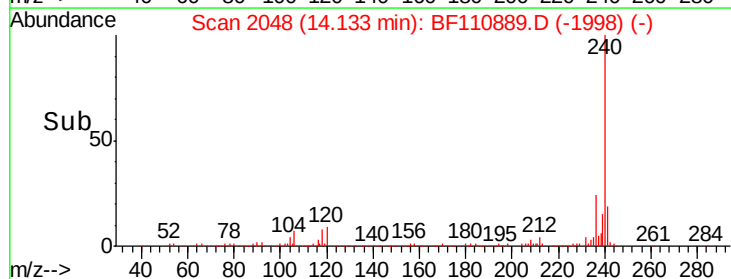
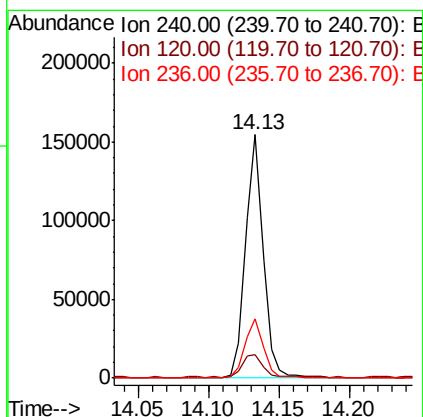
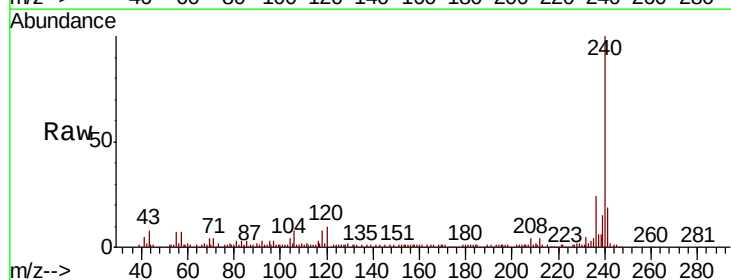
Instrument :  
BNA\_F  
ClientSampleId :  
20180926-WCC-2-COMPOSITE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 7.2   | 10.8  |
| 80      | 8.6   | 7.9   | 11.9  |

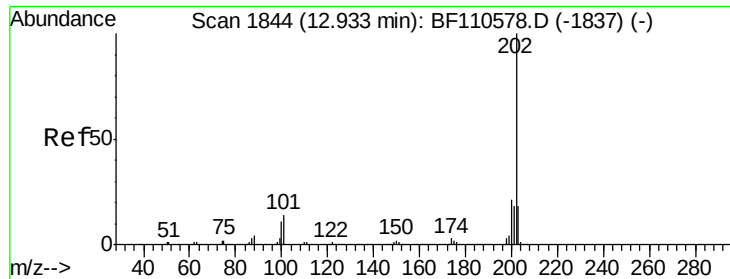


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.8   | 8.3   | 12.5  |
| 236     | 24.4  | 21.2  | 31.8  |



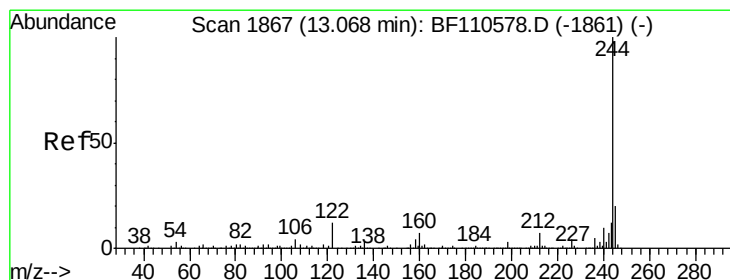
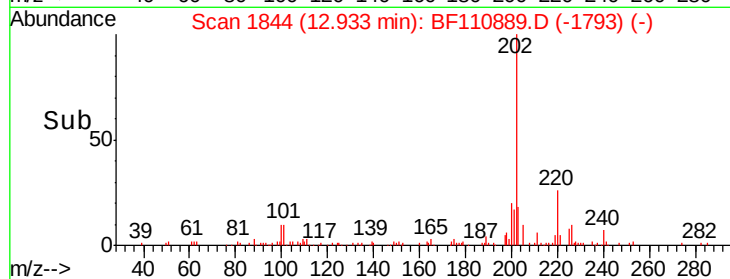
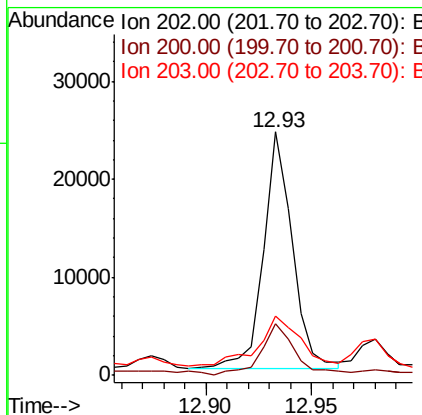
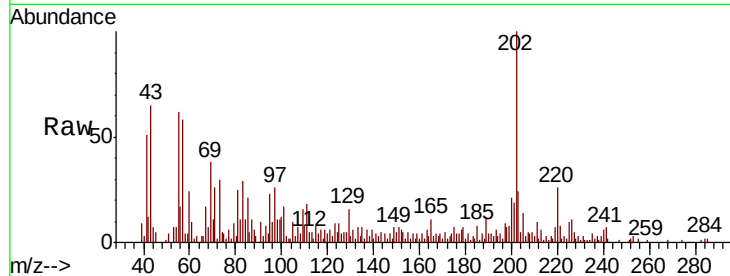




#78  
Pvrene  
Concen: 2.205 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.00 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

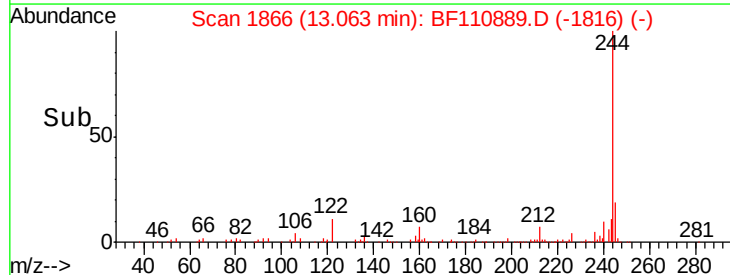
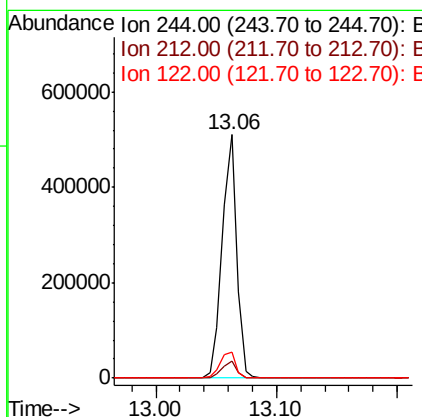
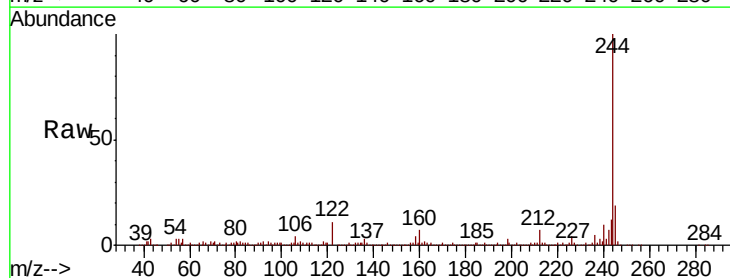
Instrument :  
BNA\_F  
ClientSampleId :  
20180926-WCC-2-COMPOSITE

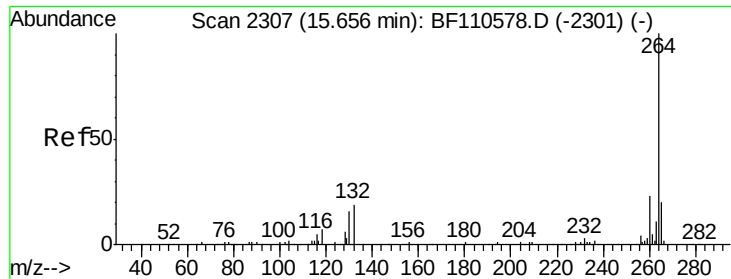
Tot Ion:202 Resp: 23084  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.8 26.6  
203 24.1 14.2 21.4#



#79  
Terphenyl-d14  
Concen: 58.090 ng  
RT: 13.06 min Scan# 1866  
Delta R.T. -0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

Tgt Ion:244 Resp: 421684  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 10.8 8.7 13.1





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: BF110889.D  
Acq: 20 Nov 2018 12:56

Instrument :  
BNA\_F  
ClientSampleId :  
20180926-WCC-2-COMPOSITE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.7  | 28.1  |
| 265     | 21.1  | 16.7  | 25.1  |

