

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\  
 Data File : BF110764.D  
 Acq On : 14 Nov 2018 15:12  
 Operator : JU/SJ  
 Sample : J5911-07 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FDSB-06(10-12)

Quant Time: Nov 14 16:20:46 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   | 6.95  | 152  | 70763    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.22  | 136  | 314468   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.99  | 164  | 155506   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.48 | 188  | 290859   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 166561   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 15.66 | 264  | 158470   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 24772    | 5.69  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 32311    | 5.80  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 22820    | 4.18  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330  | 8126     | 5.19  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 42093    | 3.87  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.06 | 244  | 37895    | 4.26  | ng    | -0.01    |

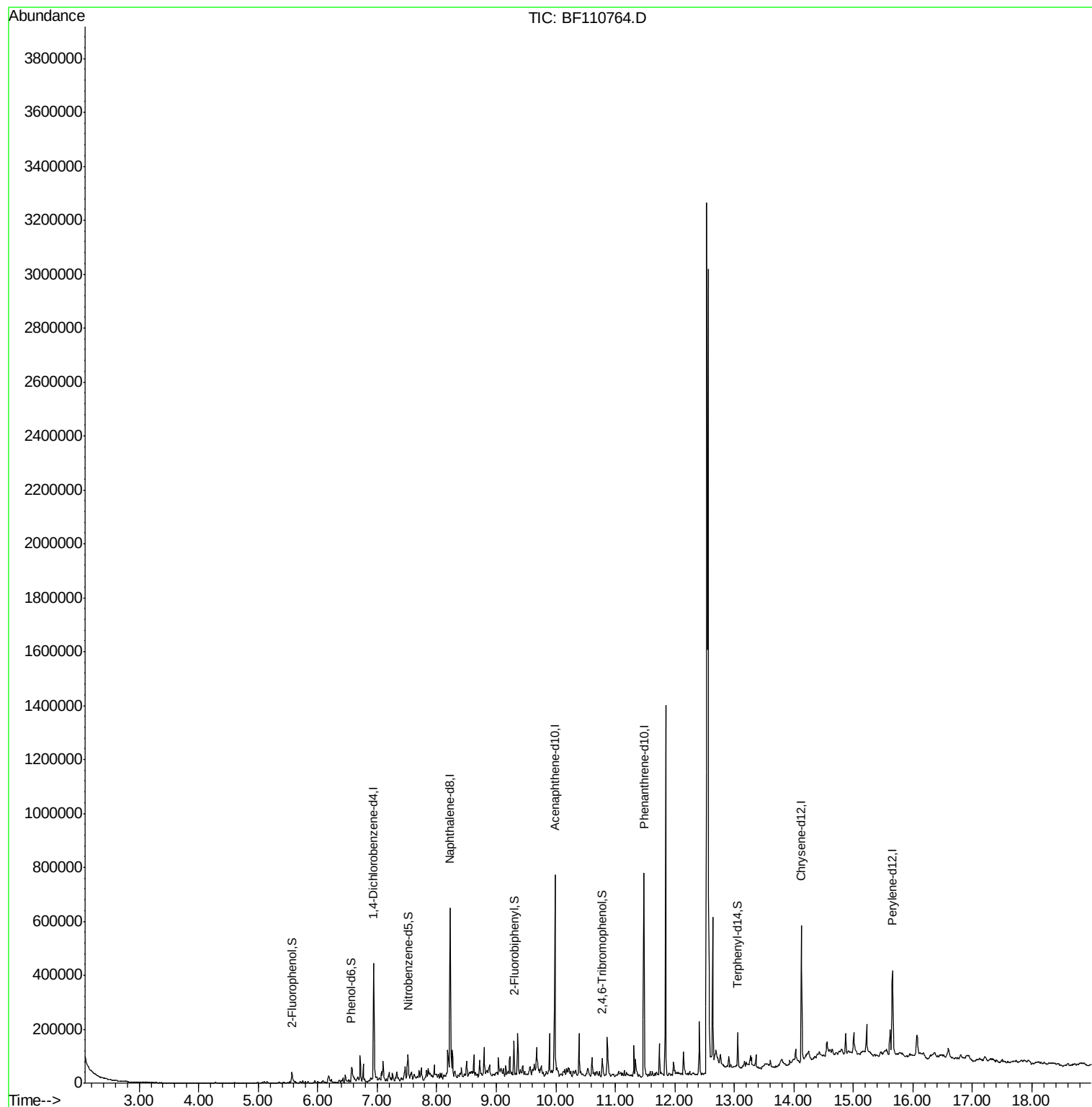
Target Compounds Qvalue

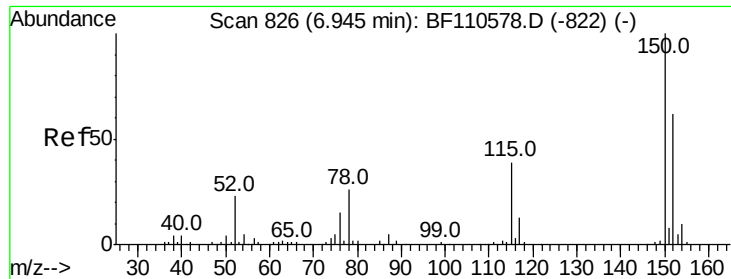
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\  
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Sample : J5911-07 20X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-06(10-12)

Quant Time: Nov 14 16:20:46 2018  
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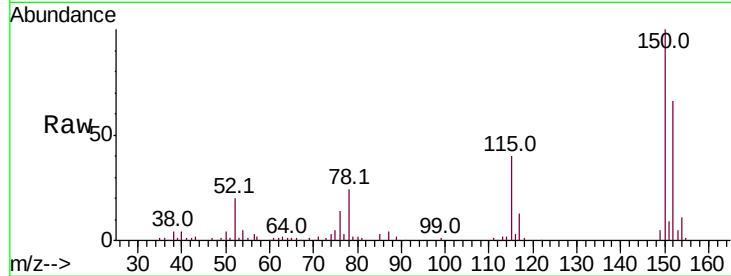


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-06(10-12)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.5 | 122.7 | 184.1 |
| 115     | 59.9  | 49.1  | 73.7  |

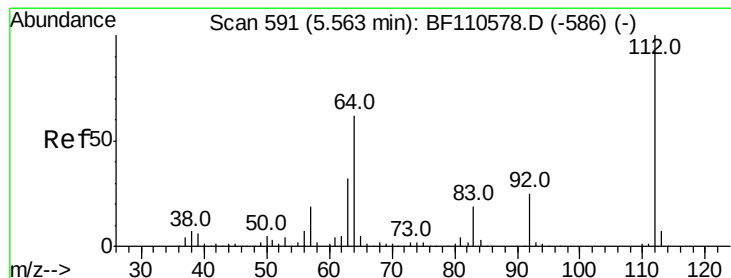
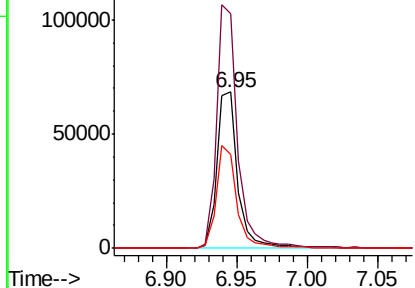
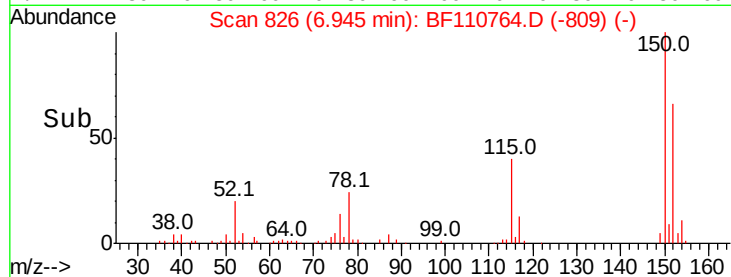


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

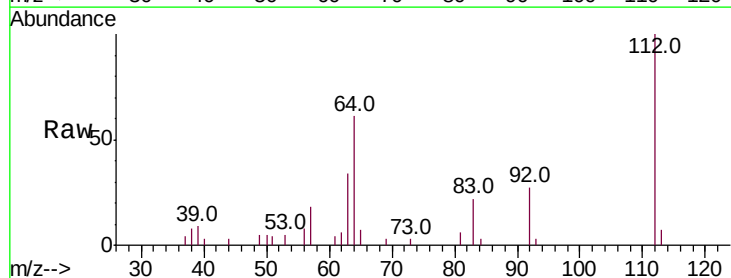
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 5.686 ng  
RT: 5.56 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 44.1  | 66.1  |
| 63      | 34.1  | 23.7  | 35.5  |

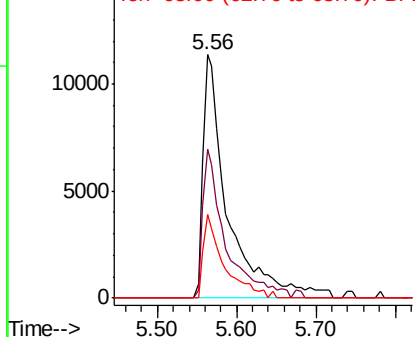
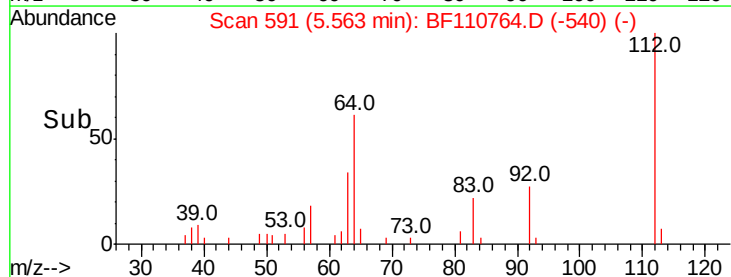


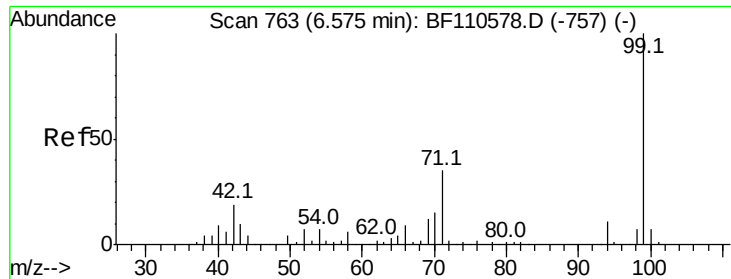
Abundance

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: 5.800 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

Instrument :

BNA\_F

ClientSampleId :

FDSB-06(10-12)

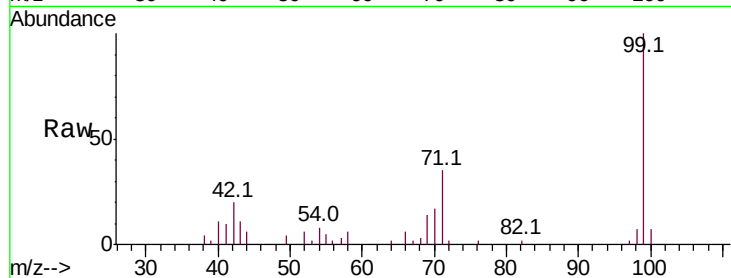
Tot Ion: 99 Resp: 32311

Ion Ratio Lower Upper

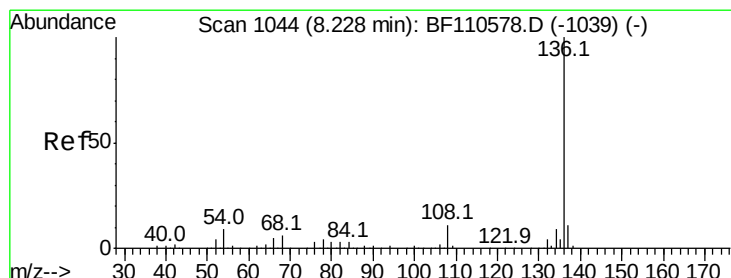
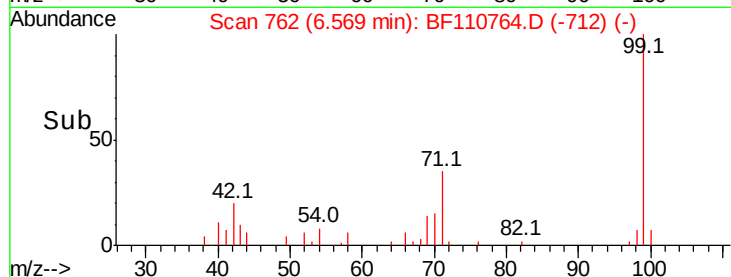
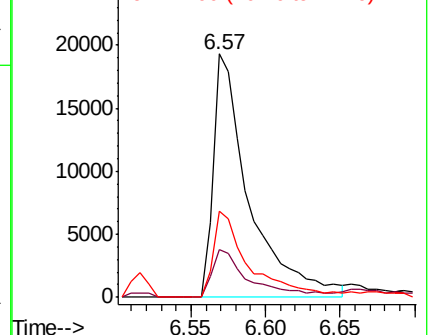
99 100

42 19.7 15.8 23.6

71 35.2 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: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

Tgt Ion: 136 Resp: 314468

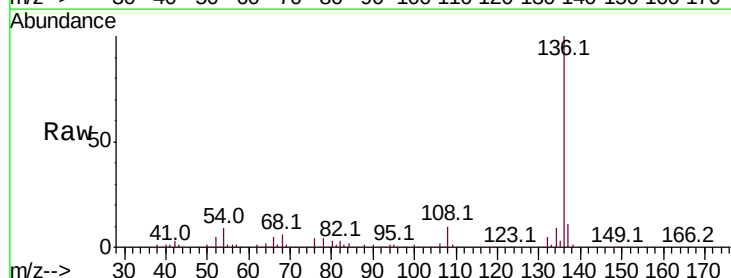
Ion Ratio Lower Upper

136 100

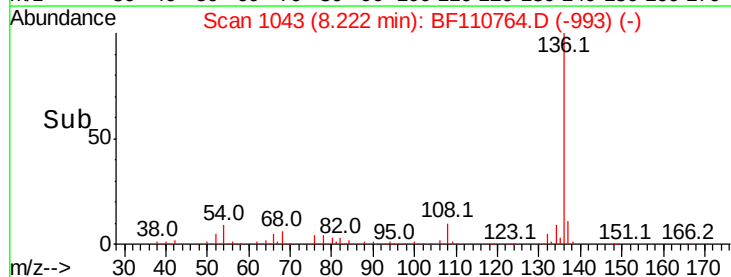
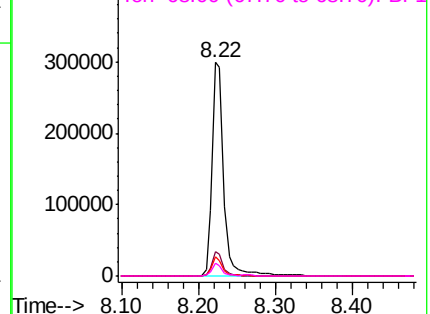
137 11.4 8.8 13.2

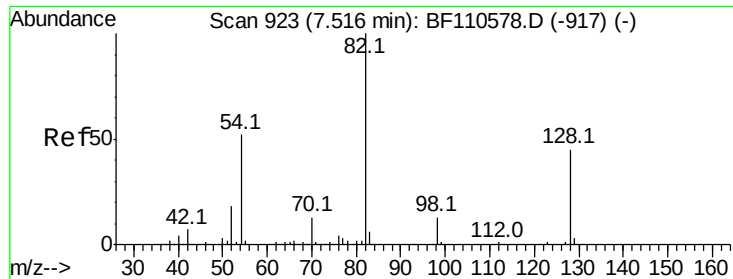
54 8.9 5.4 8.2#

68 6.3 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

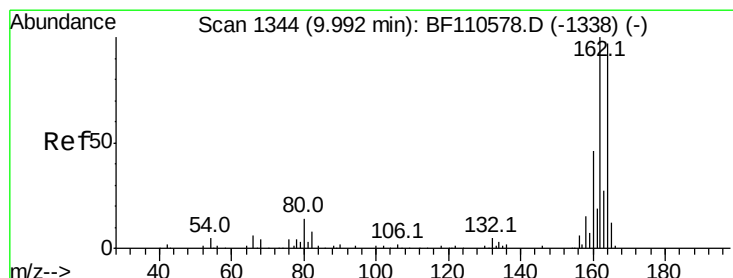
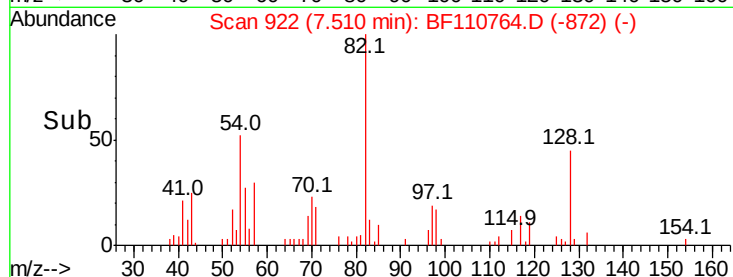
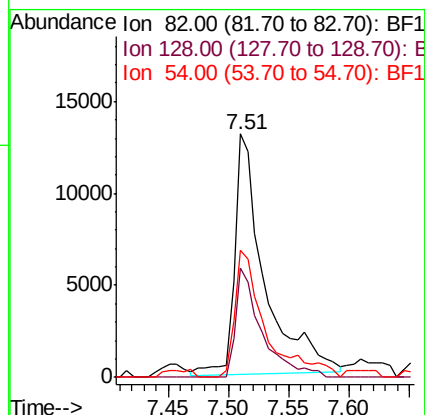
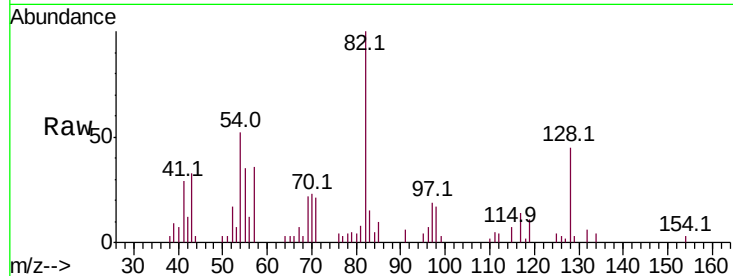




#23  
Nitrobenzene-d5  
Concen: 4.179 ng  
RT: 7.51 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

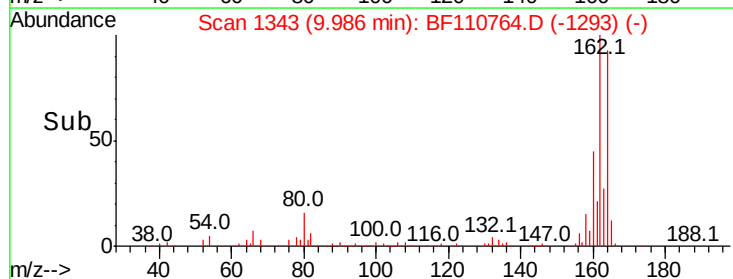
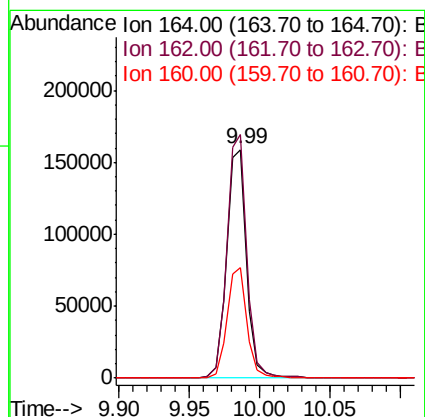
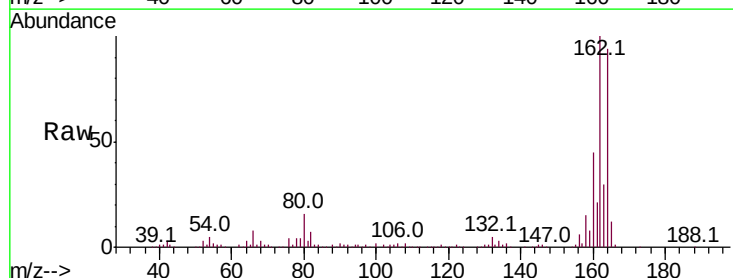
Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-06(10-12)

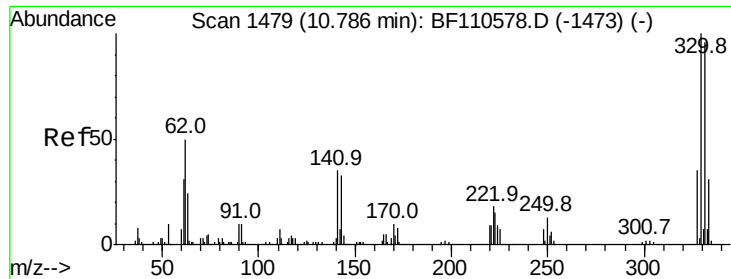
| Tot Ion   | 82    | Resp  | 22820 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 44.8  | 34.2  | 51.2  |
| 54        | 52.2  | 38.6  | 58.0  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

| Tgt Ion   | 164   | Resp  | 155506 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.6 | 83.0  | 124.6  |
| 160       | 48.2  | 37.0  | 55.6   |





#42

2,4,6-Tribromophenol

Concen: 5.186 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

Instrument :

BNA\_F

ClientSampleId :

FDSB-06(10-12)

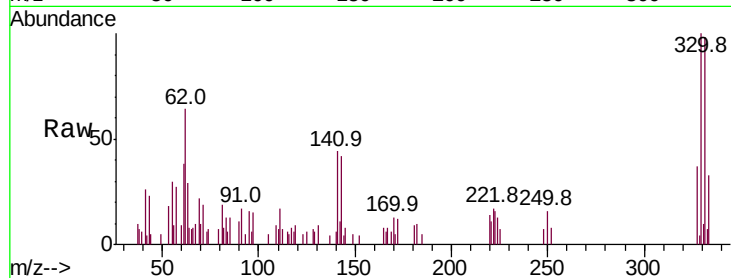
Tot Ion:330 Resp: 8126

Ion Ratio Lower Upper

330 100

332 94.8 77.1 115.7

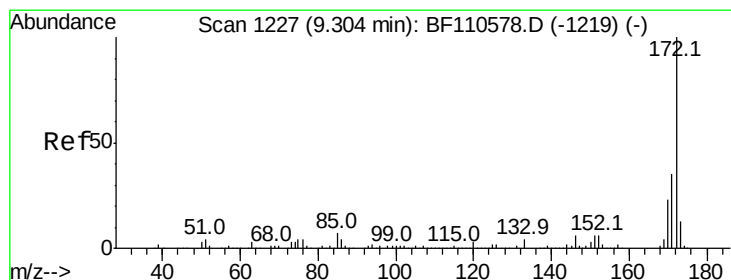
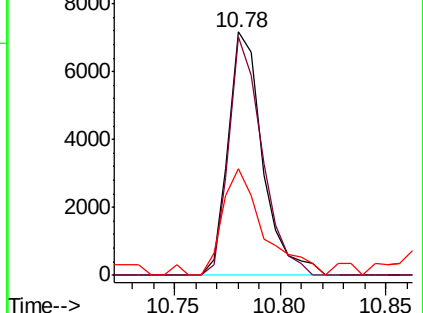
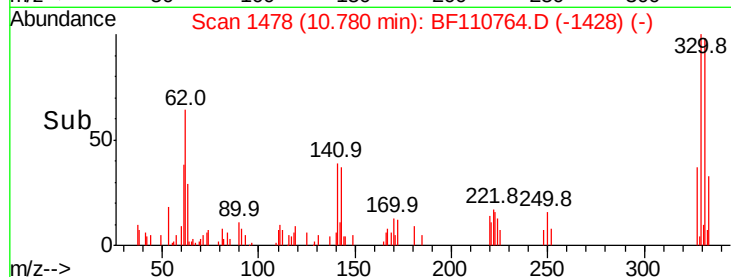
141 52.1 27.0 40.4#



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: 3.866 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

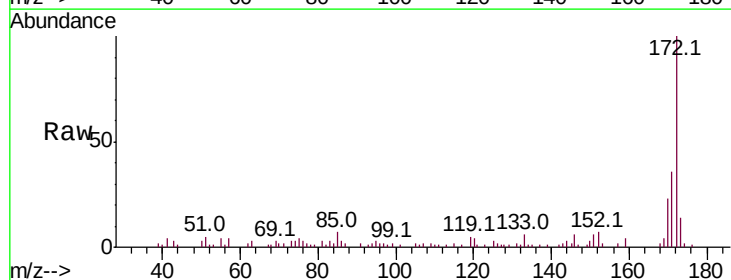
Tgt Ion:172 Resp: 42093

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

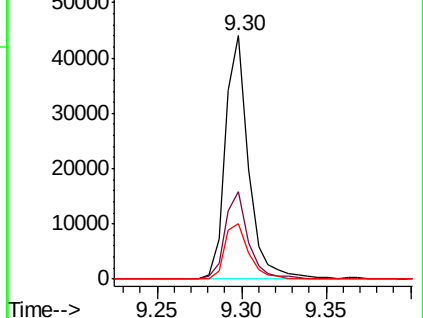
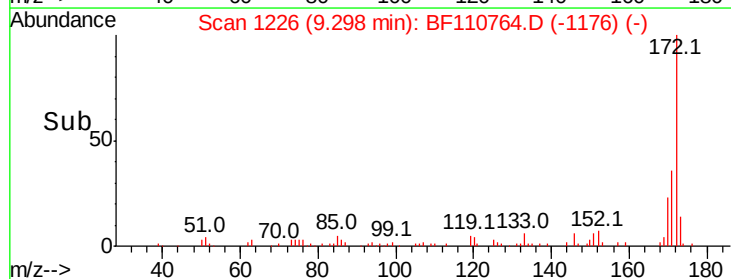
170 22.9 19.7 29.5

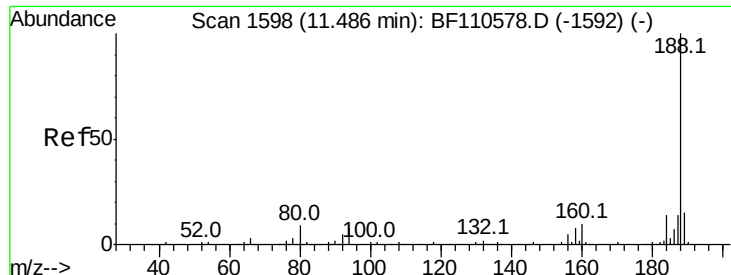


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

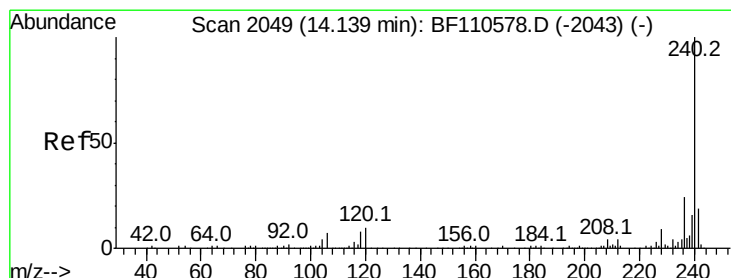
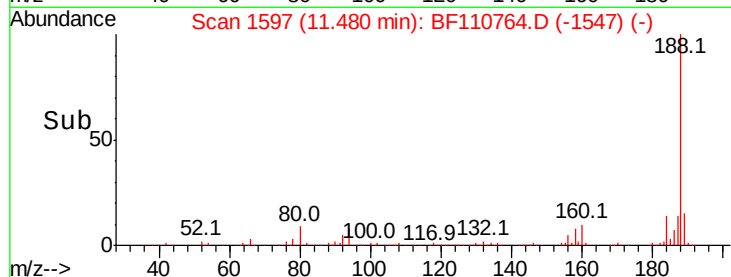
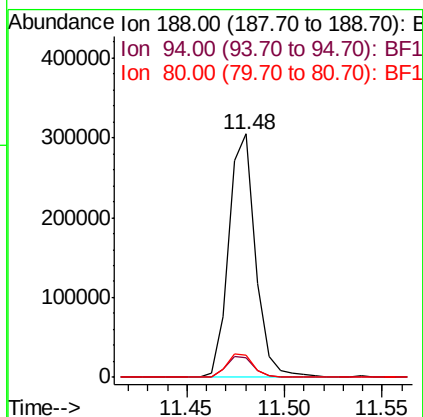
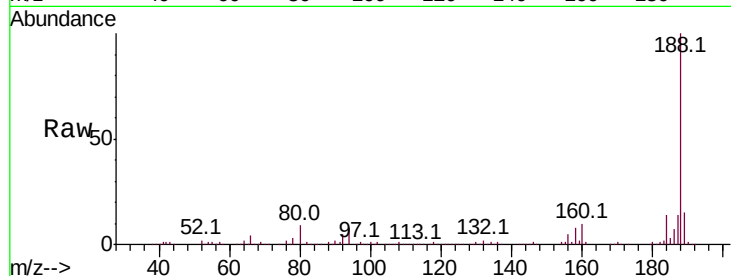




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

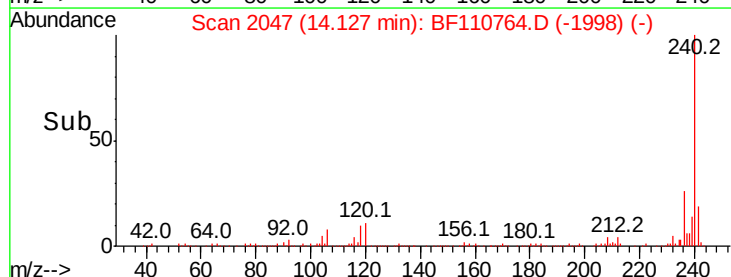
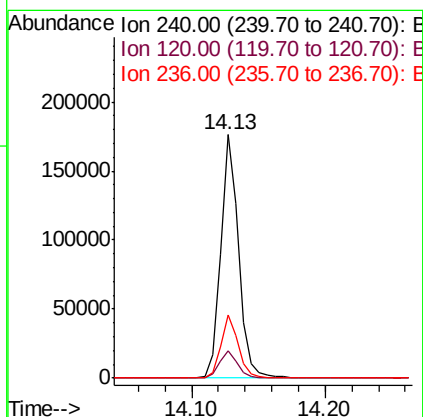
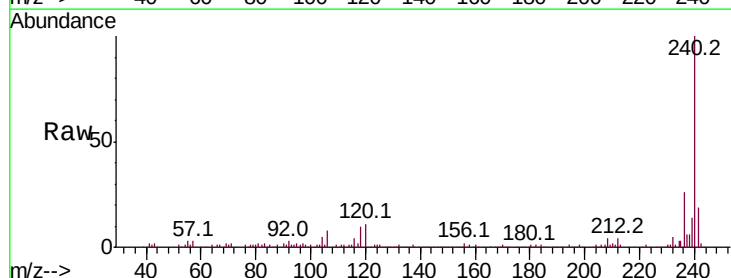
Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-06(10-12)

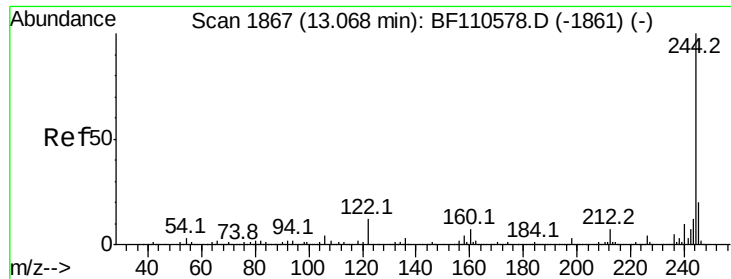
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 7.2   | 10.8  |
| 80      | 9.0   | 7.9   | 11.9  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF110764.D  
Acq: 14 Nov 2018 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 8.3   | 12.5  |
| 236     | 26.0  | 21.2  | 31.8  |





#79

Terphenyl-d14

Concen: 4.261 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

Instrument :

BNA\_F

ClientSampleId :

FDSB-06(10-12)

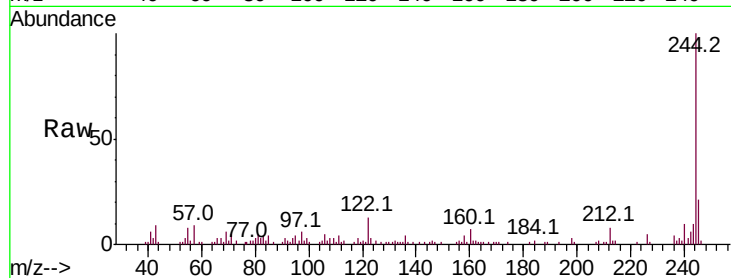
Tot Ion:244 Resp: 37895

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

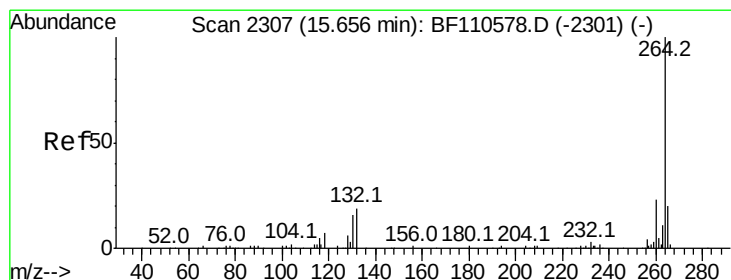
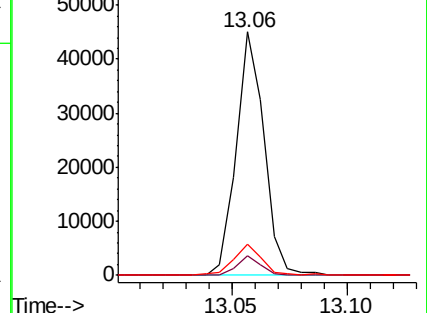
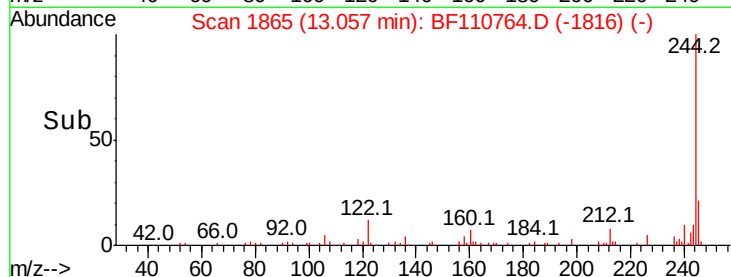
122 12.9 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110764.D

Acq: 14 Nov 2018 15:12

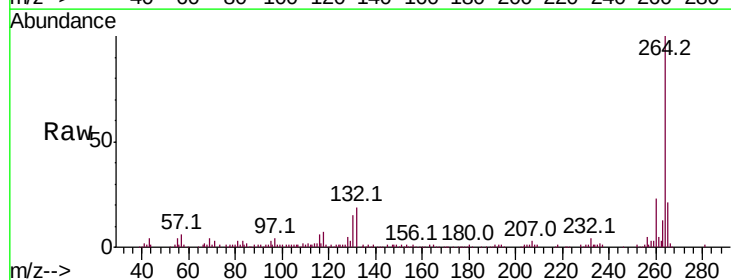
Tgt Ion:264 Resp: 158470

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.1 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

