

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\  
 Data File : BF110588.D  
 Acq On : 8 Nov 2018 16:51  
 Operator : JU/SJ  
 Sample : J5839-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7-D

Quant Time: Nov 09 12:18:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 08 14:14:47 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 66381    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 271745   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.99  | 164  | 126190   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.48 | 188  | 244402   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 166290   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.65 | 264  | 128714   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 434276   | 106.27 | ng    | 0.01     |
| 7) Phenol-d6                | 6.57  | 99   | 490197   | 93.80  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 382700   | 81.10  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330  | 159354   | 125.33 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 721978   | 81.71  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.06 | 244  | 722854   | 81.41  | ng    | 0.00     |

Target Compounds Qvalue

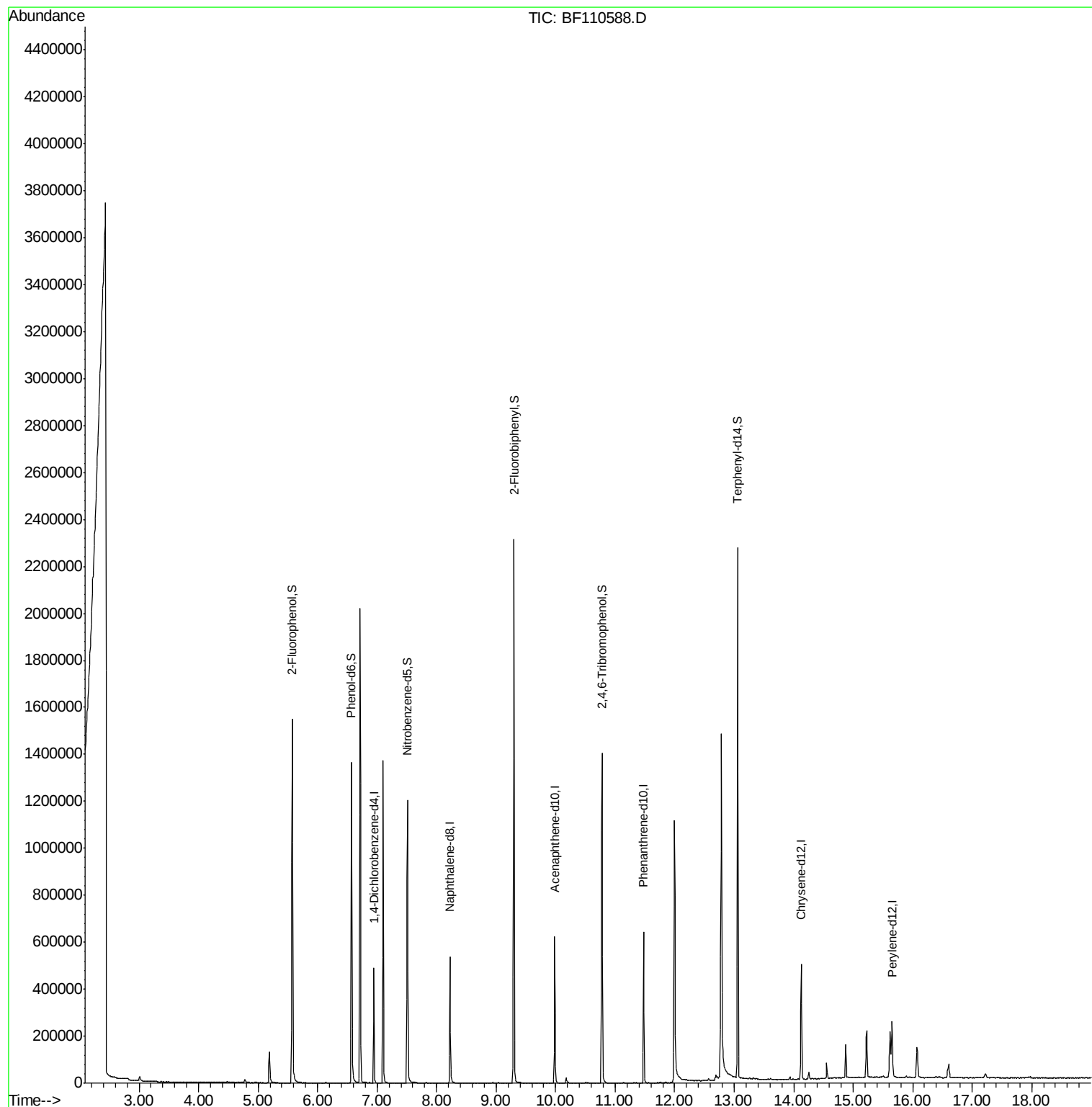
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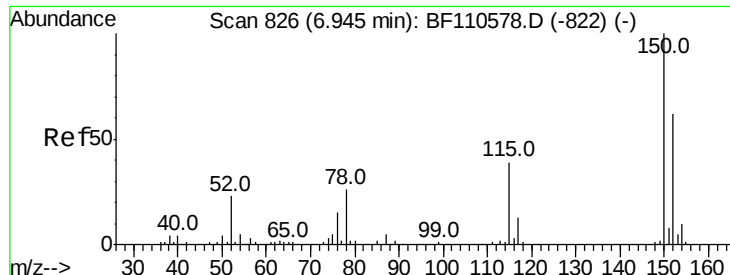
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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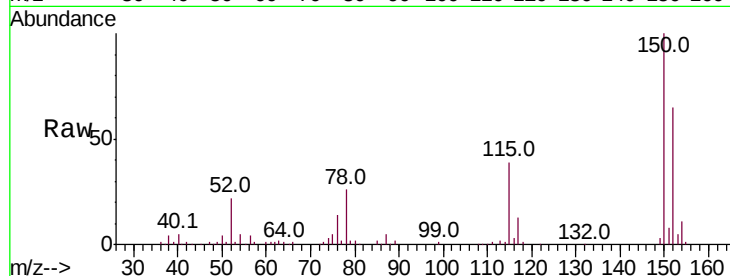


#1

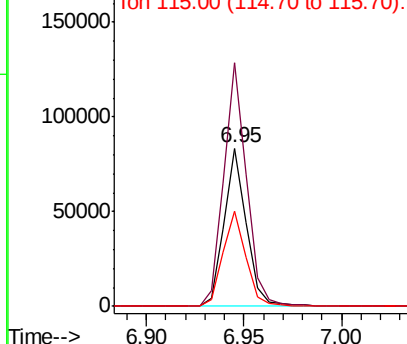
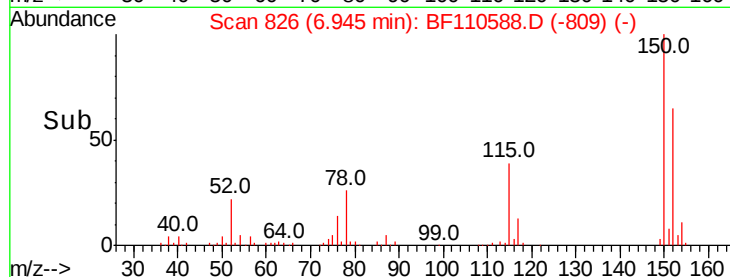
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BF110588.D  
 Acq: 8 Nov 2018 16:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7-D

Tot Ion:152 Resp: 66381  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 122.7 184.1  
 115 60.1 49.1 73.7



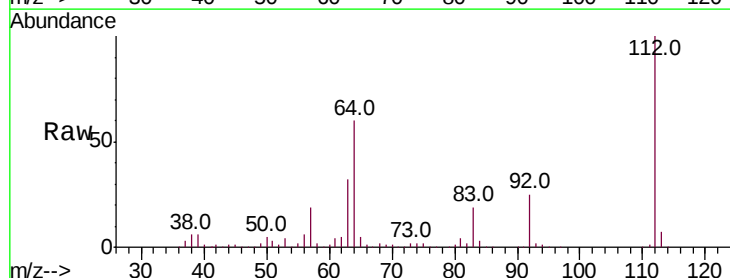
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



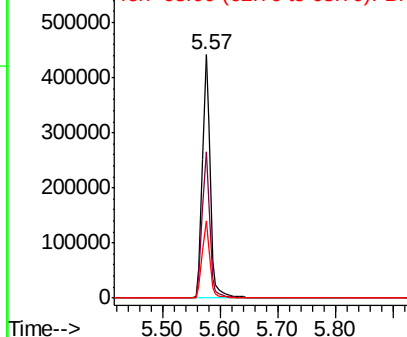
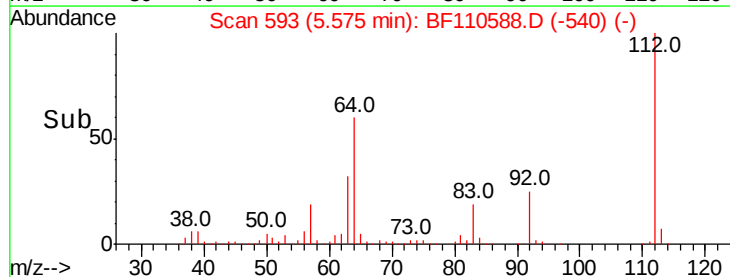
#5

2-Fluorophenol  
 Concen: 106.266 ng  
 RT: 5.57 min Scan# 593  
 Delta R.T. 0.01 min  
 Lab File: BF110588.D  
 Acq: 8 Nov 2018 16:51

Tgt Ion:112 Resp: 434276  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 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: 93.801 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA\_F

ClientSampleId :

SB-7-D

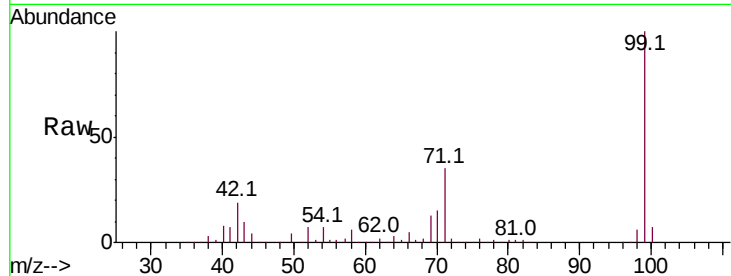
Tot Ion: 99 Resp: 490197

Ion Ratio Lower Upper

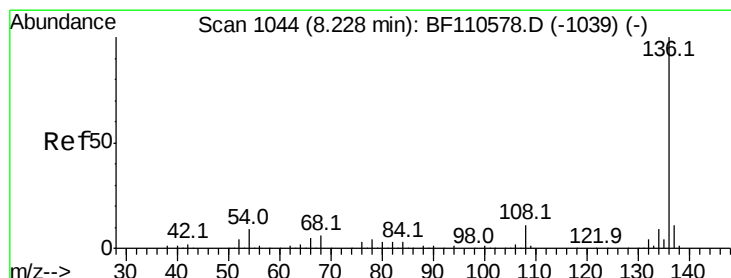
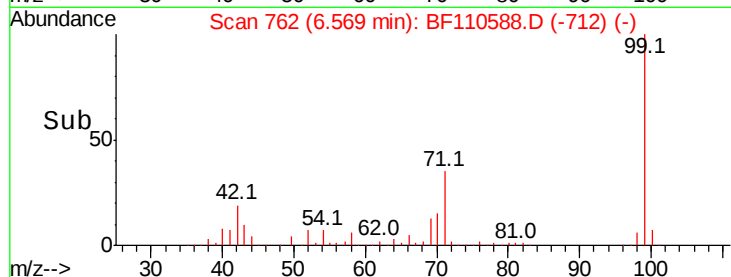
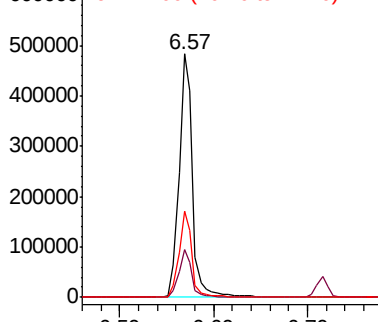
99 100

42 19.4 15.8 23.6

71 35.3 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: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Tgt Ion: 136 Resp: 271745

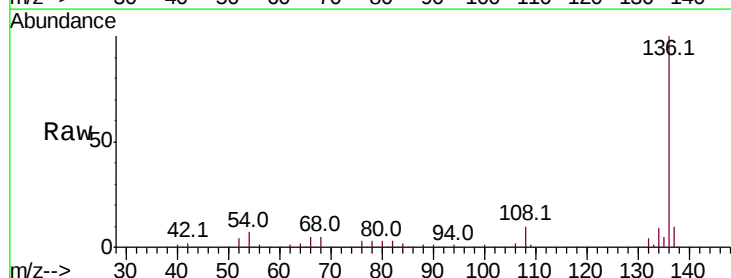
Ion Ratio Lower Upper

136 100

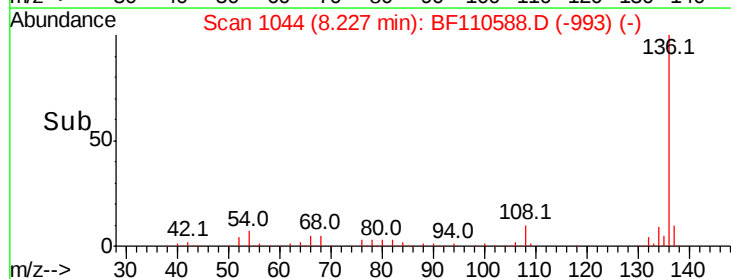
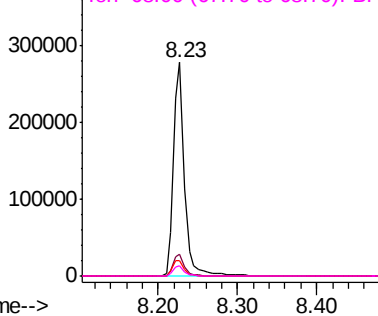
137 10.5 8.8 13.2

54 7.2 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

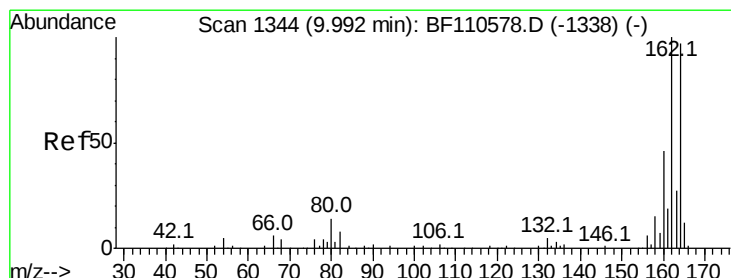
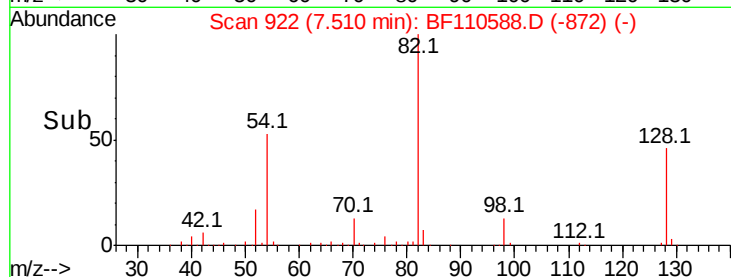
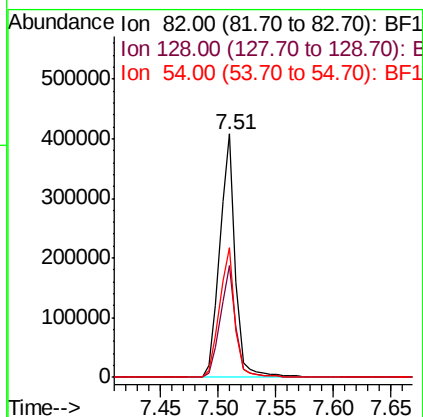
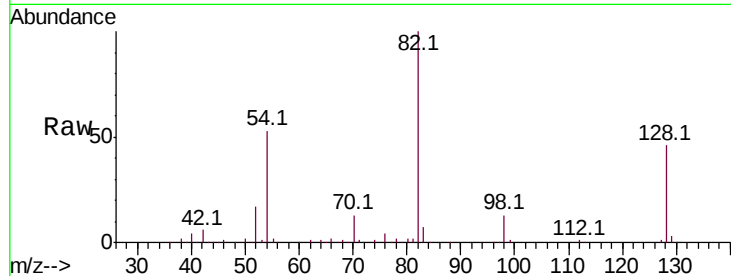




#23  
Nitrobenzene-d5  
Concen: 81.104 ng  
RT: 7.51 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BF110588.D  
Acq: 8 Nov 2018 16:51

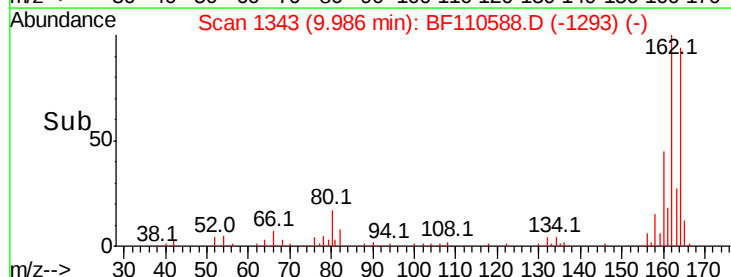
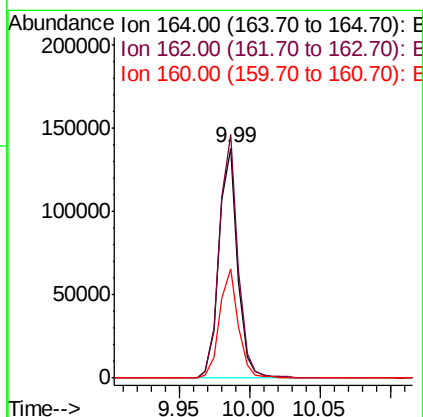
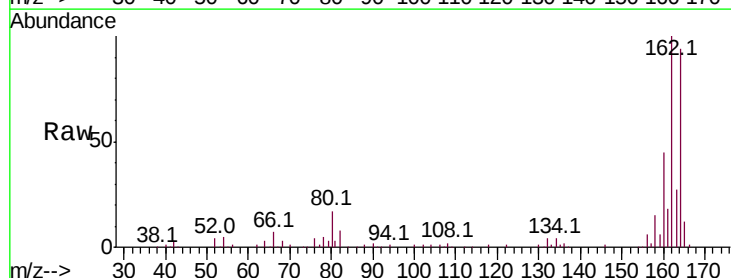
Instrument :  
BNA\_F  
ClientSampled :  
SB-7-D

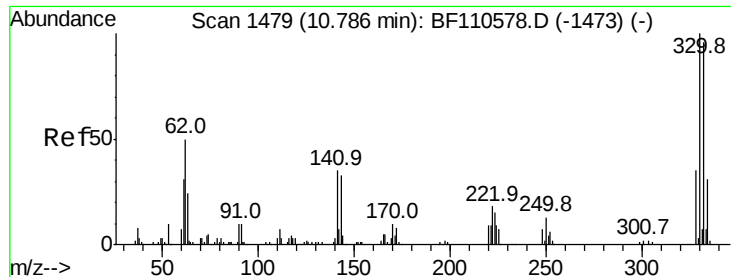
| Tot Ion   | 82    | Resp  | 382700 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.9  | 34.2  | 51.2   |
| 54        | 53.2  | 38.6  | 58.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110588.D  
Acq: 8 Nov 2018 16:51

| Tgt Ion   | 164   | Resp  | 126190 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.9 | 83.0  | 124.6  |
| 160       | 47.6  | 37.0  | 55.6   |

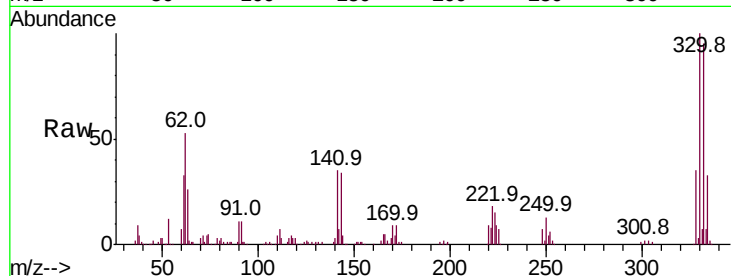




#42  
 2,4,6-Tribromophenol  
 Concen: 125.325 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110588.D  
 Acq: 8 Nov 2018 16:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.1  | 115.7 |
| 141     | 37.1  | 27.0  | 40.4  |

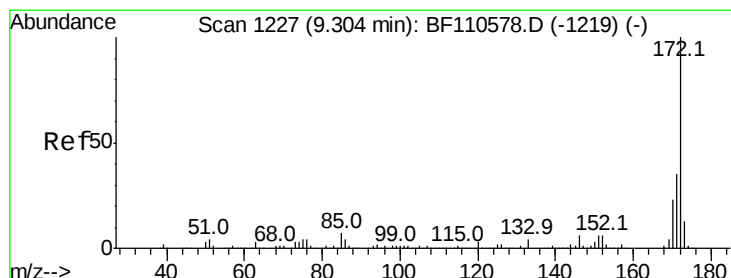
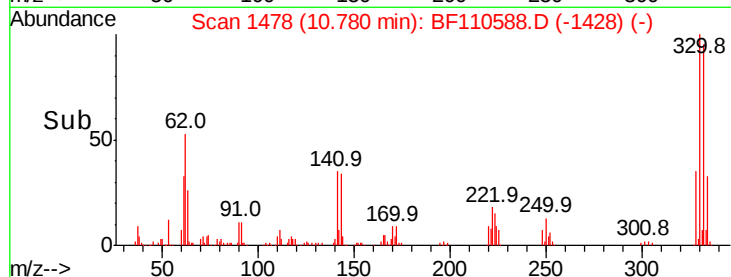
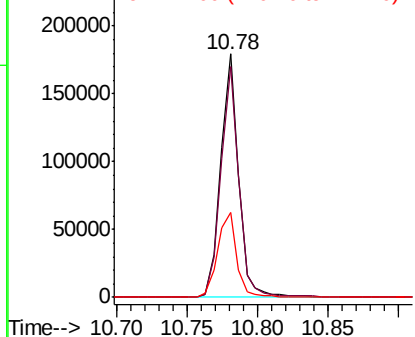


Abundance

Ion 329.80 (329.50 to 330.50): E

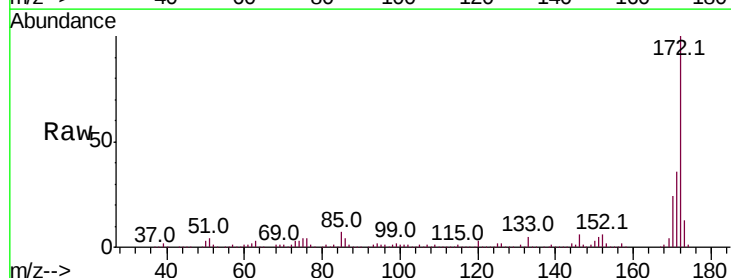
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 81.711 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110588.D  
 Acq: 8 Nov 2018 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.6  | 43.0  |
| 170     | 23.7  | 19.7  | 29.5  |

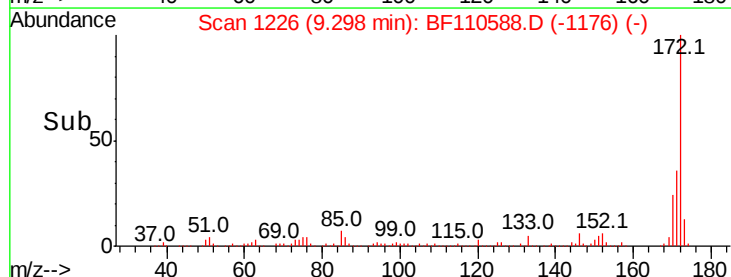
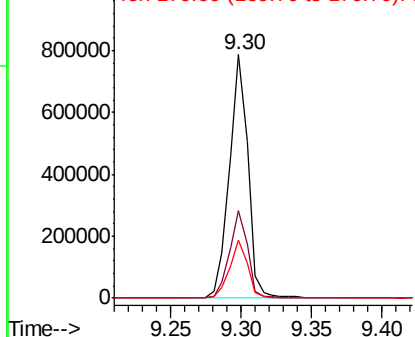


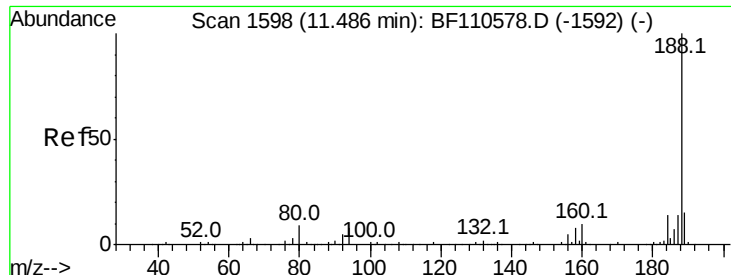
Abundance

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

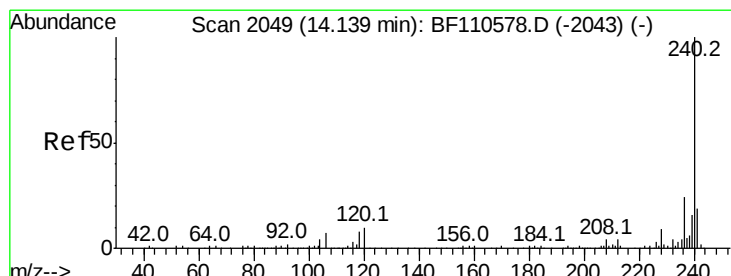
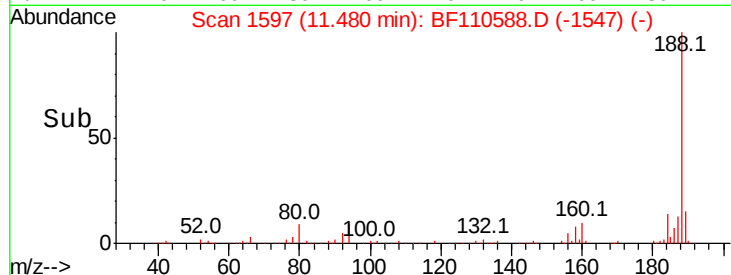
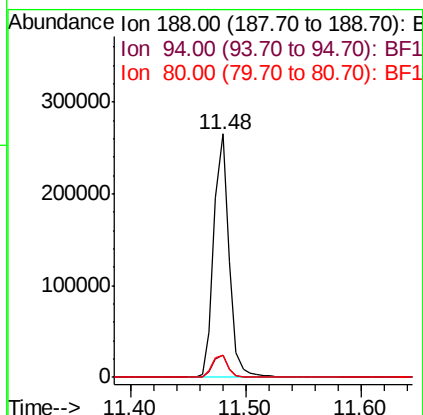
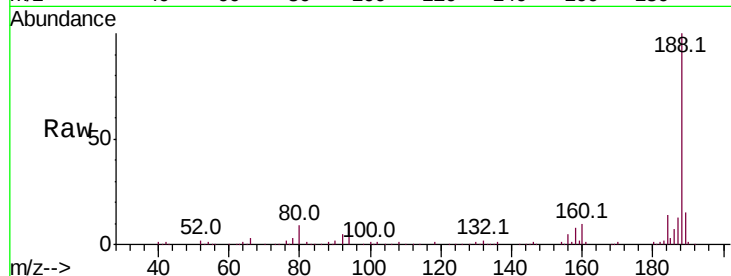




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110588.D  
Acq: 8 Nov 2018 16:51

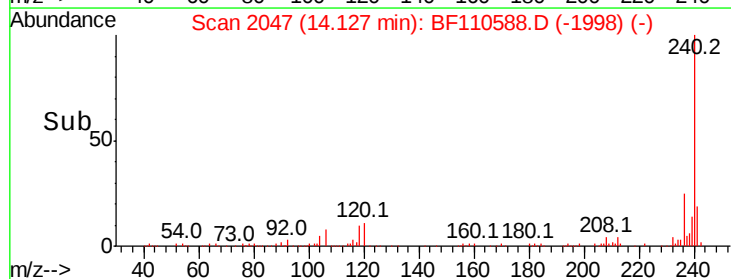
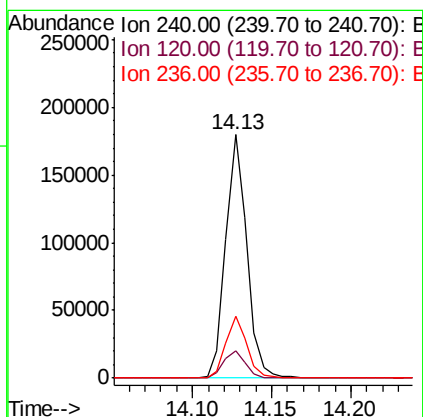
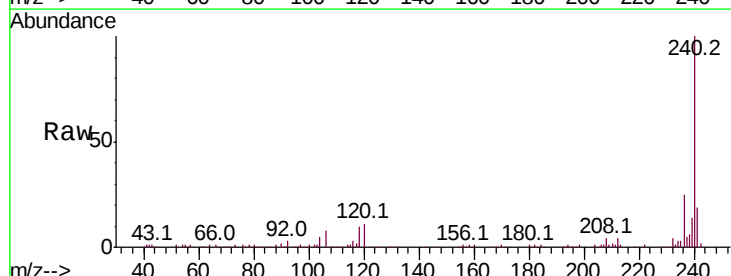
Instrument :  
BNA\_F  
ClientSampleId :  
SB-7-D

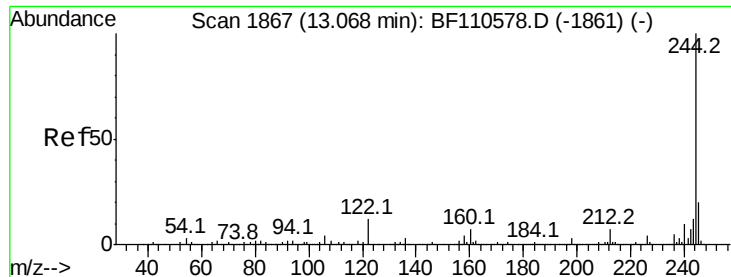
Tot Ion:188 Resp: 244402  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.2 10.8  
80 9.2 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF110588.D  
Acq: 8 Nov 2018 16:51

Tgt Ion:240 Resp: 166290  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.3 12.5  
236 25.2 21.2 31.8





#79

Terphenyl-d14

Concen: 81.408 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

Instrument :

BNA\_F

ClientSampled :

SB-7-D

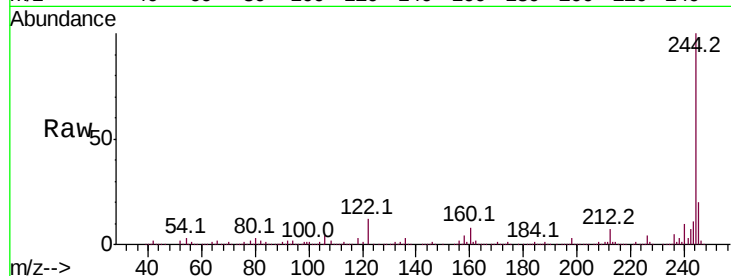
Tot Ion:244 Resp: 722854

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

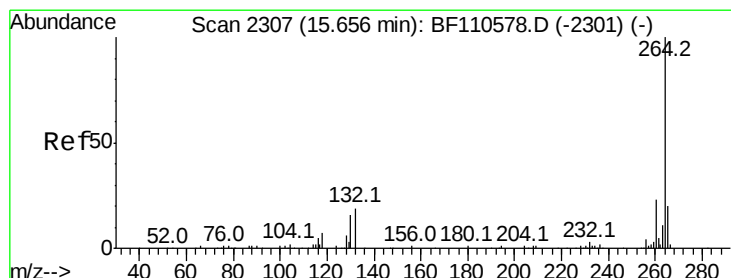
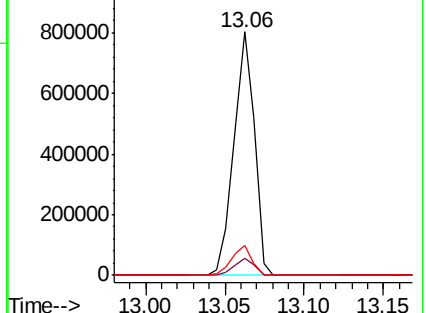
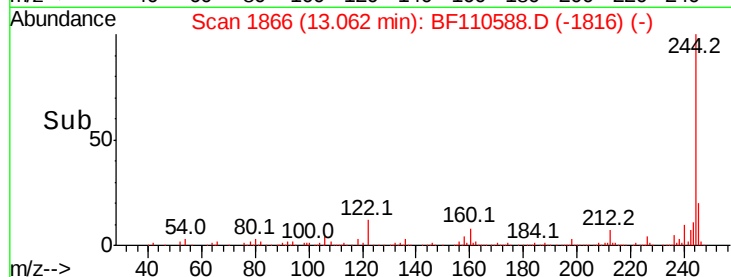
122 12.4 8.7 13.1



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: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110588.D

Acq: 8 Nov 2018 16:51

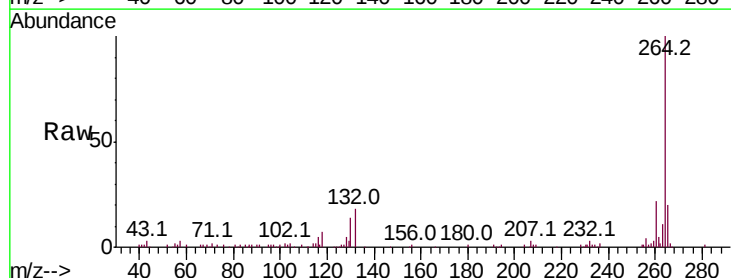
Tgt Ion:264 Resp: 128714

Ion Ratio Lower Upper

264 100

260 22.2 18.7 28.1

265 19.7 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

