

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\  
 Data File : BF111075.D  
 Acq On : 29 Nov 2018 5:49  
 Operator : JU/SJ  
 Sample : J6078-09  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-TIPC-F-U-B

Quant Time: Nov 29 07:30:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 27 15:32:10 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 55344    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.22  | 136  | 232763   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.97  | 164  | 101183   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.47 | 188  | 156499   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 121124   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 100911   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 155507   | 46.60  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 117846   | 27.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 443393   | 109.02 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.77 | 330  | 88610    | 88.18  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.29  | 172  | 794111   | 113.70 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.05 | 244  | 546620   | 87.85  | ng    | 0.00     |

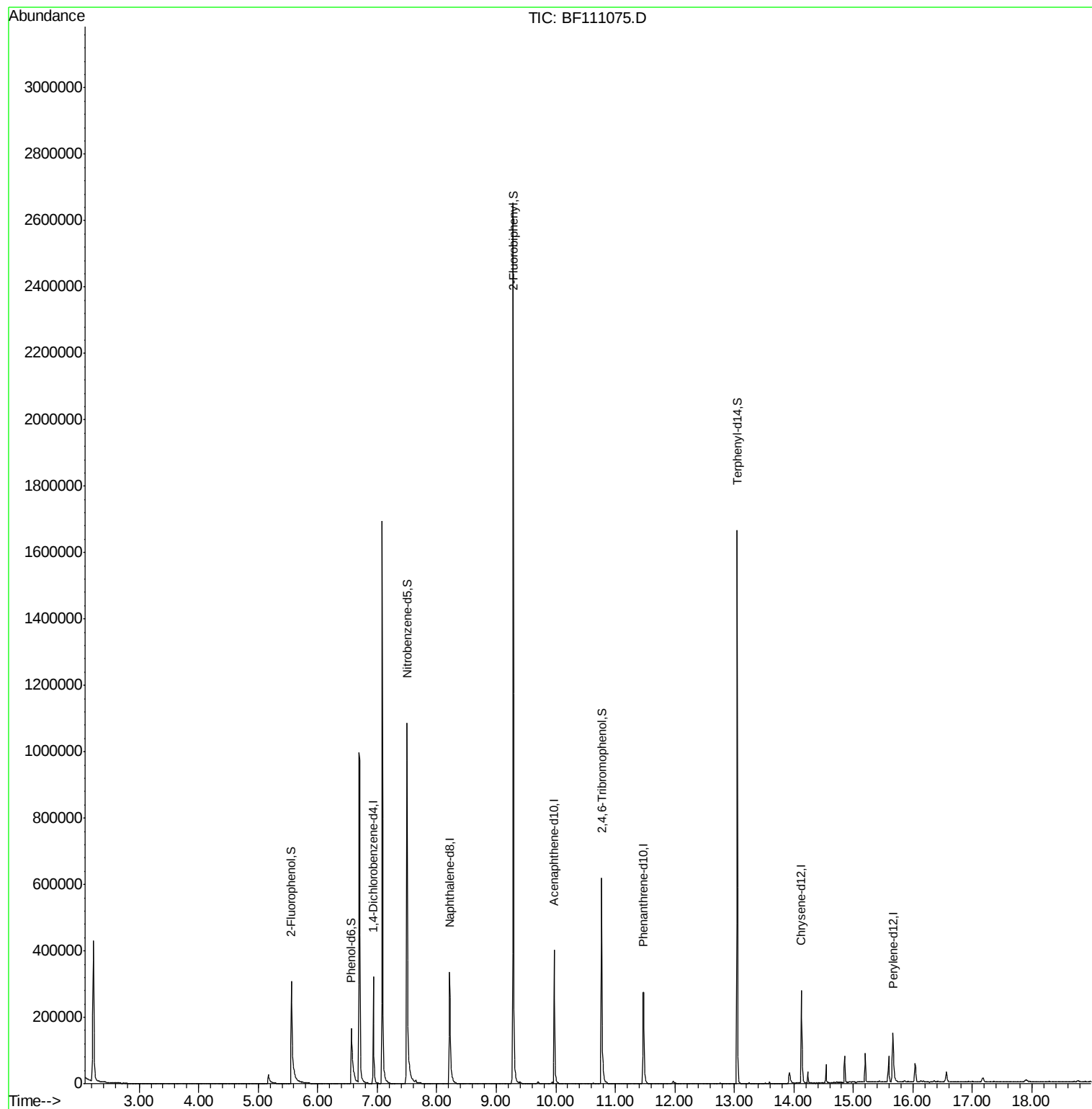
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\  
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112618-TIPC-F-U-B

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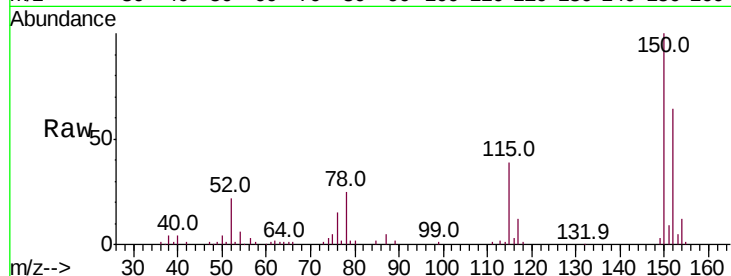


#1

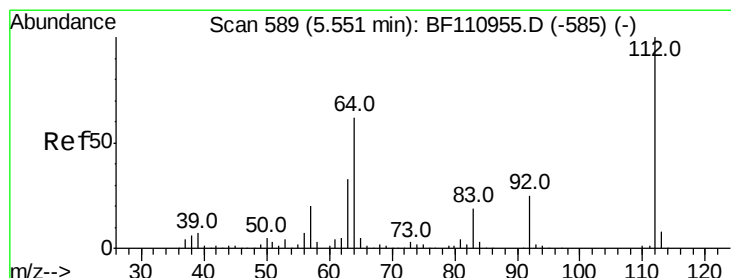
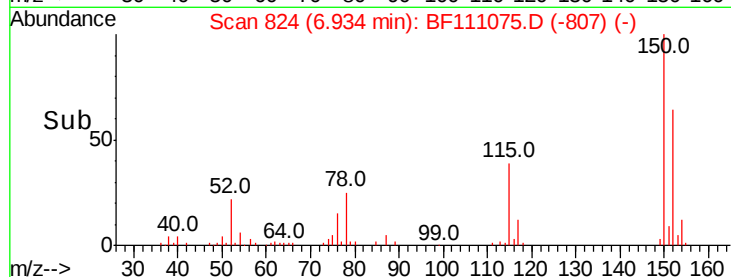
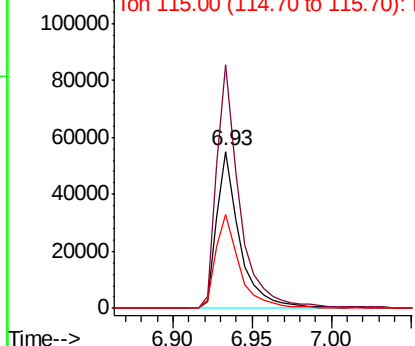
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BF111075.D  
Acq: 29 Nov 2018 5:49

Instrument :  
BNA\_F  
ClientSampleId :  
112618-TIPC-F-U-B

Tot Ion:152 Resp: 55344  
Ion Ratio Lower Upper  
152 100  
150 155.3 122.7 184.1  
115 59.8 49.1 73.7



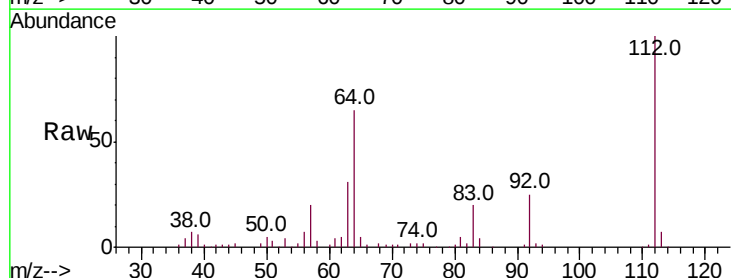
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



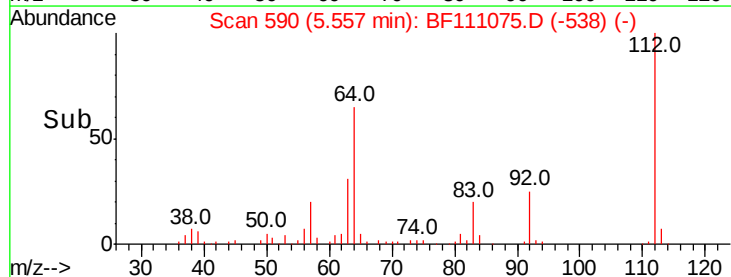
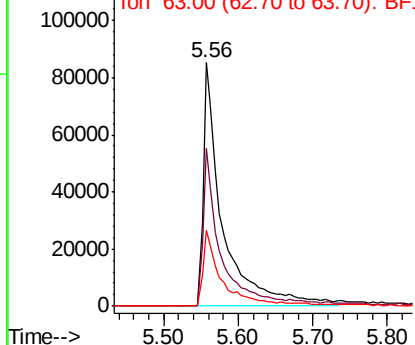
#5

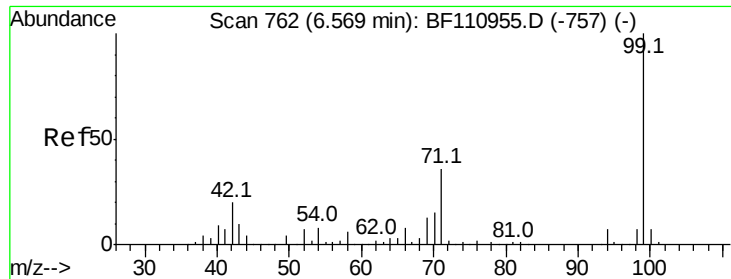
2-Fluorophenol  
Concen: 46.596 ng  
RT: 5.56 min Scan# 590  
Delta R.T. 0.01 min  
Lab File: BF111075.D  
Acq: 29 Nov 2018 5:49

Tgt Ion:112 Resp: 155507  
Ion Ratio Lower Upper  
112 100  
64 64.6 44.1 66.1  
63 31.0 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: 27.096 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111075.D

Acq: 29 Nov 2018 5:49

Instrument :

BNA\_F

ClientSampleId :

112618-TIPC-F-U-B

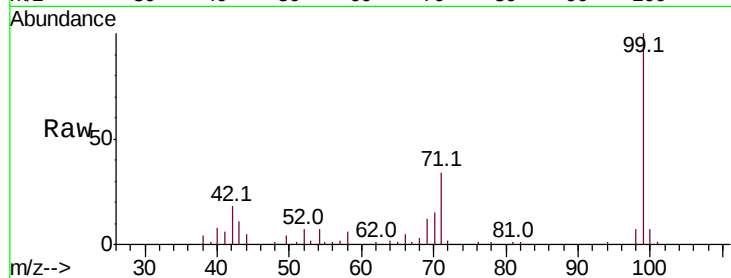
Tot Ion: 99 Resp: 117846

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.6

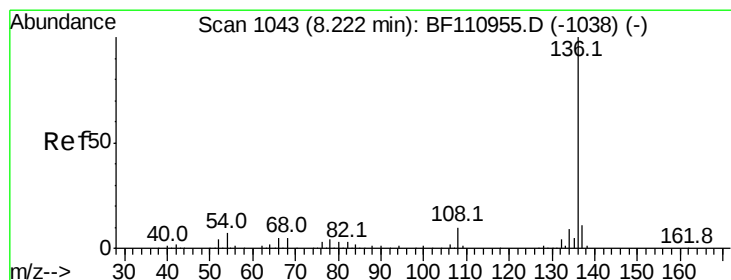
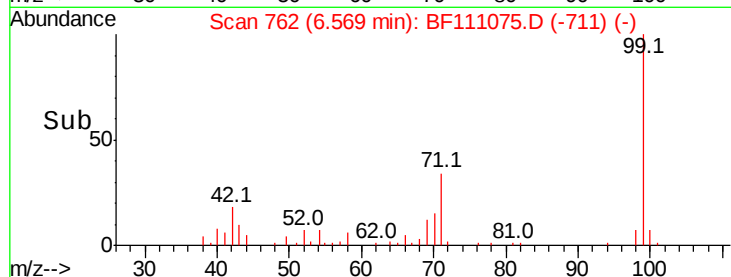
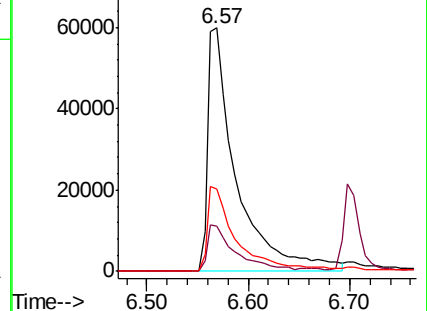
71 34.1 28.0 42.0



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# 1042

Delta R.T. -0.01 min

Lab File: BF111075.D

Acq: 29 Nov 2018 5:49

Tgt Ion: 136 Resp: 232763

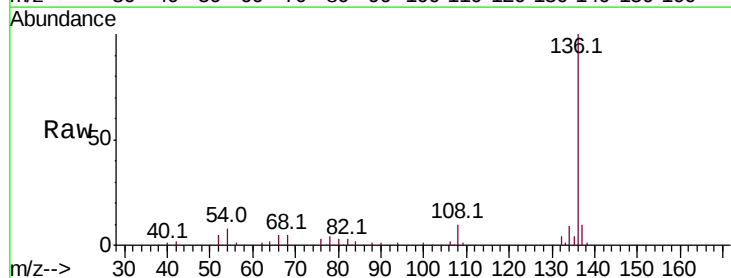
Ion Ratio Lower Upper

136 100

137 10.3 8.8 13.2

54 7.9 5.4 8.2

68 5.1 4.2 6.2

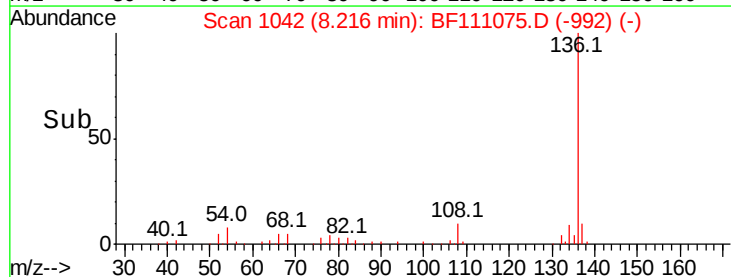
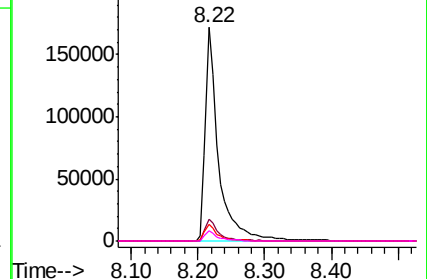


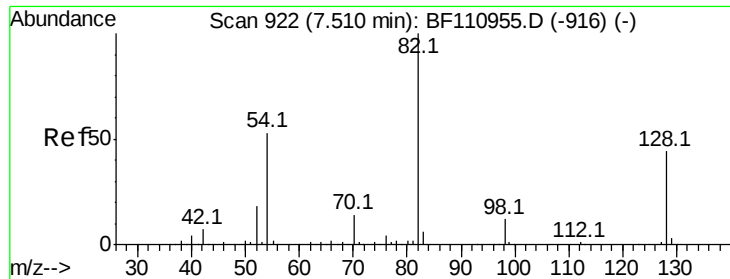
Abundance Ion 136.00 (135.70 to 136.70): E

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

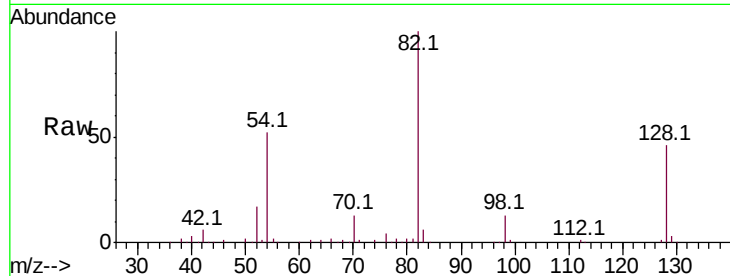




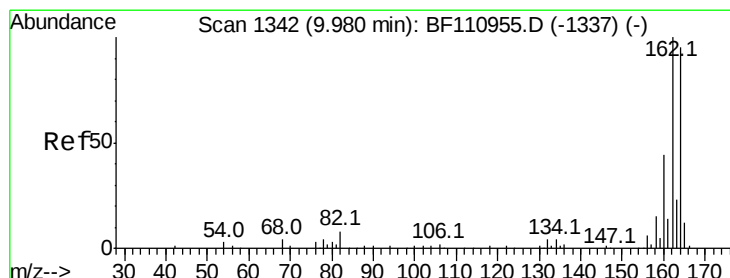
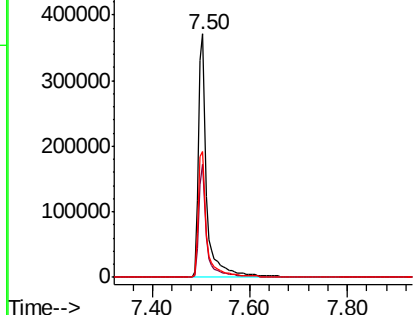
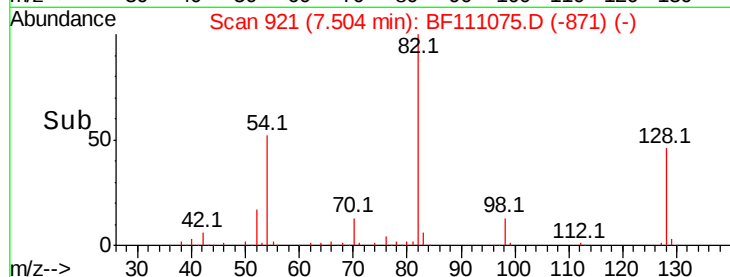
#23  
 Nitrobenzene-d5  
 Concen: 109.019 ng  
 RT: 7.50 min Scan# 921  
 Delta R.T. -0.01 min  
 Lab File: BF111075.D  
 Acq: 29 Nov 2018 5:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-TIPC-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.3  | 34.2  | 51.2  |
| 54      | 51.7  | 38.6  | 58.0  |

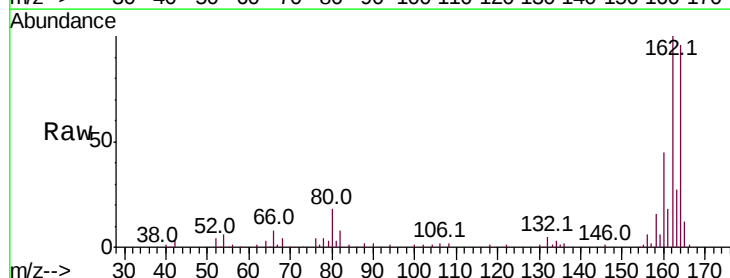


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

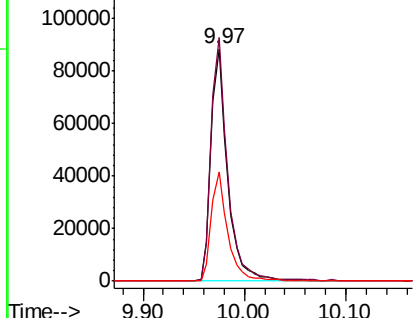
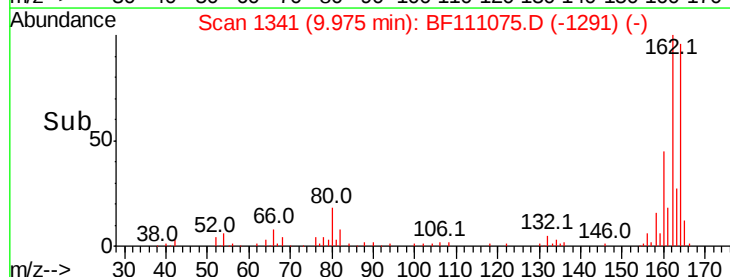


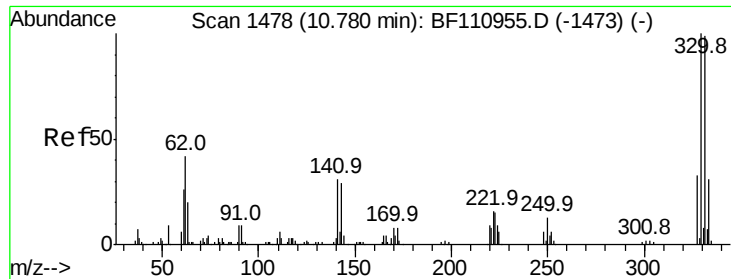
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. -0.01 min  
 Lab File: BF111075.D  
 Acq: 29 Nov 2018 5:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 83.0  | 124.6 |
| 160     | 46.7  | 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

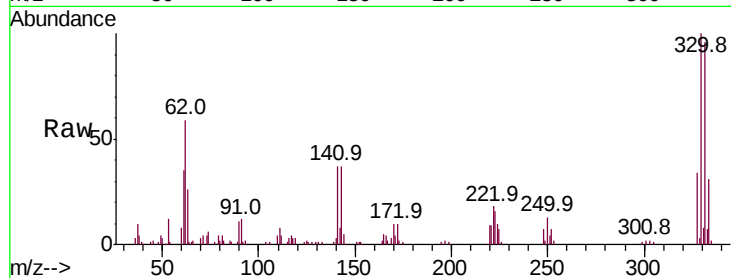




#42  
 2,4,6-Tribromophenol  
 Concen: 88.179 ng  
 RT: 10.77 min Scan# 1476  
 Delta R.T. -0.01 min  
 Lab File: BF111075.D  
 Acq: 29 Nov 2018 5:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112618-TIPC-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.1  | 115.7 |
| 141     | 38.7  | 27.0  | 40.4  |

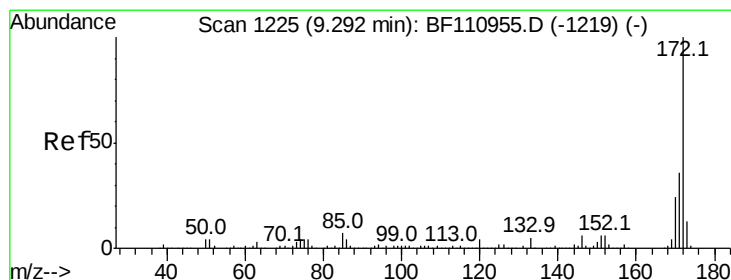
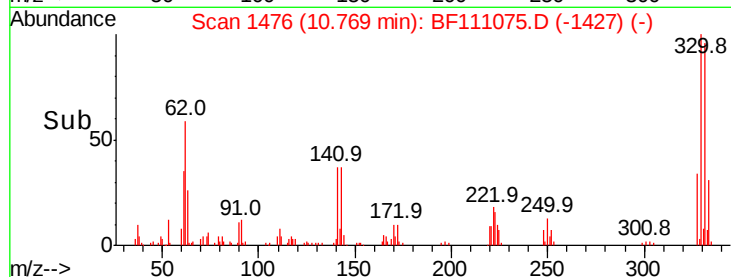
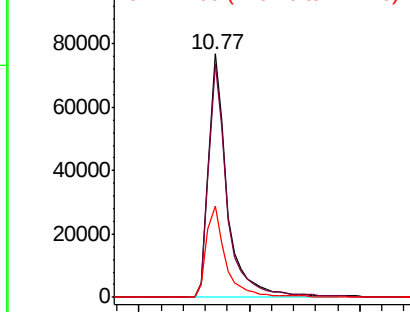


Abundance

Ion 329.80 (329.50 to 330.50): E

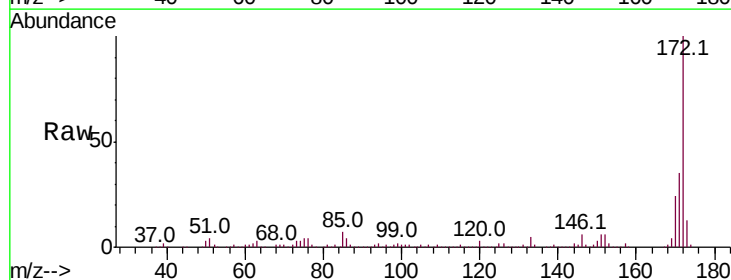
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 113.704 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF111075.D  
 Acq: 29 Nov 2018 5:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.6  | 43.0  |
| 170     | 23.8  | 19.7  | 29.5  |

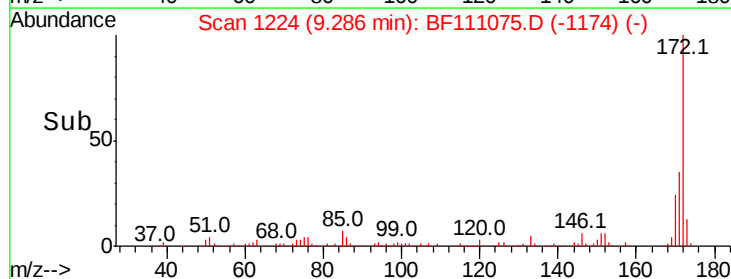
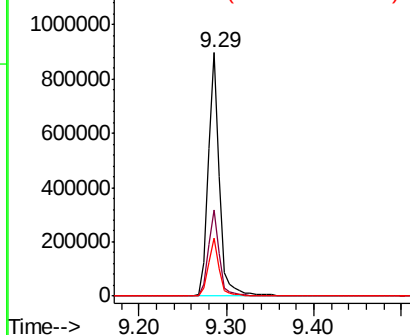


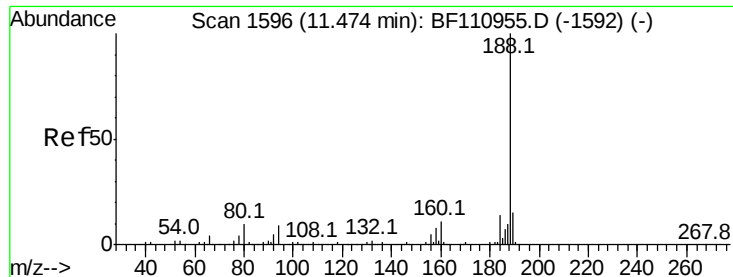
Abundance

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

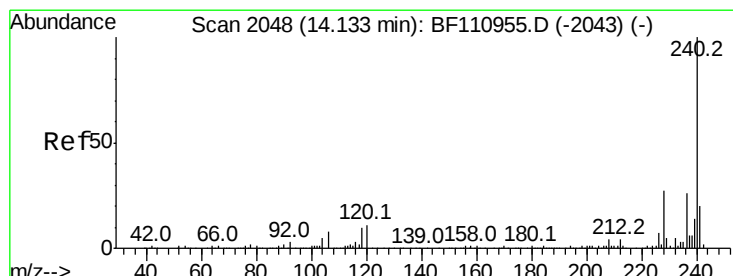
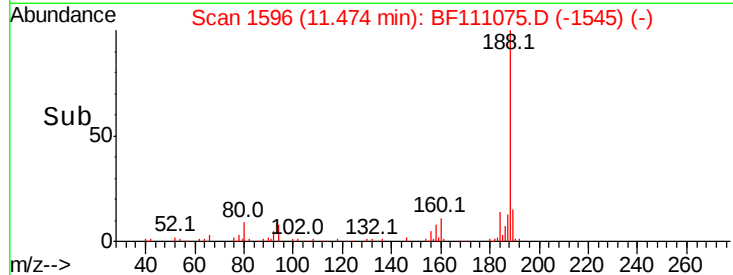
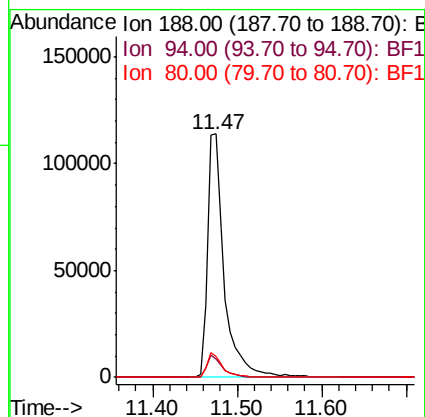
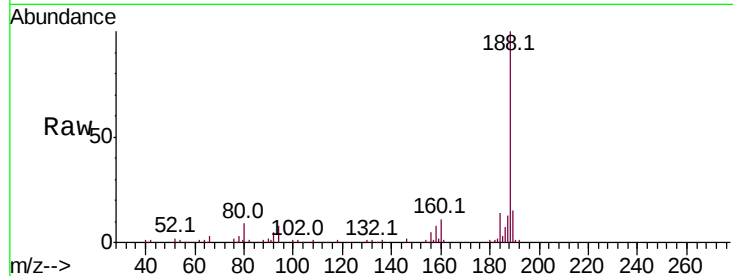




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: BF111075.D  
Acq: 29 Nov 2018 5:49

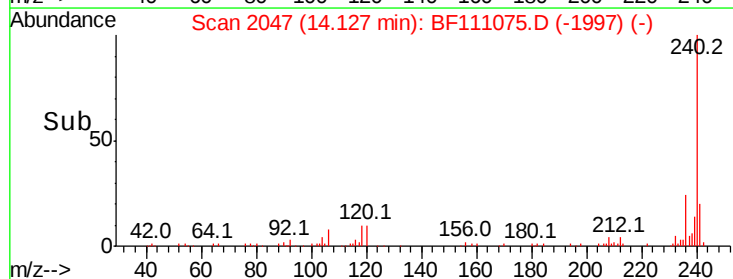
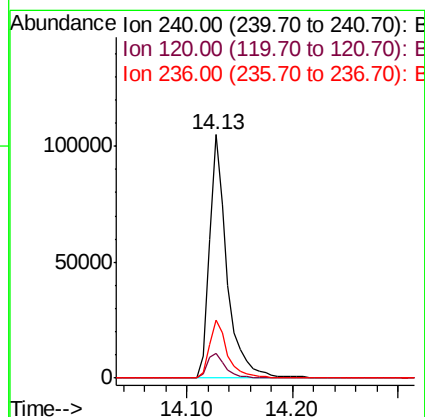
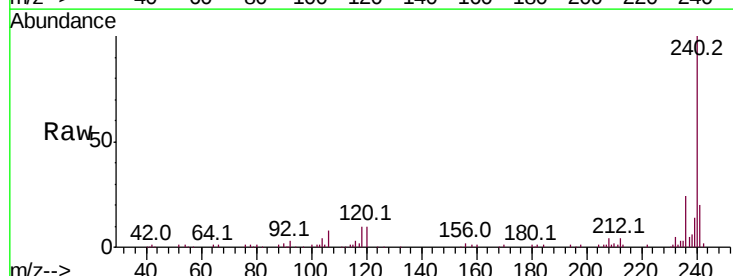
Instrument :  
BNA\_F  
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112618-TIPC-F-U-B

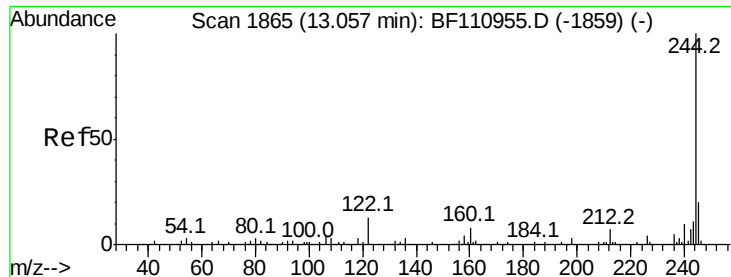
Tot Ion:188 Resp: 156499  
Ion Ratio Lower Upper  
188 100  
94 7.7 7.2 10.8  
80 8.6 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF111075.D  
Acq: 29 Nov 2018 5:49

Tgt Ion:240 Resp: 121124  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.3 12.5  
236 23.9 21.2 31.8





#79

Terphenyl-d14

Concen: 87.850 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF111075.D

Acq: 29 Nov 2018 5:49

Instrument :

BNA\_F

ClientSampleId :

112618-TIPC-F-U-B

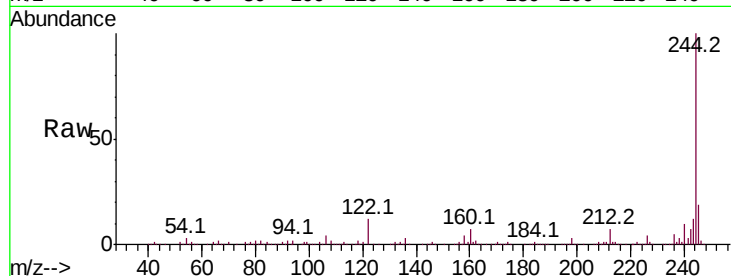
Tot Ion:244 Resp: 546620

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

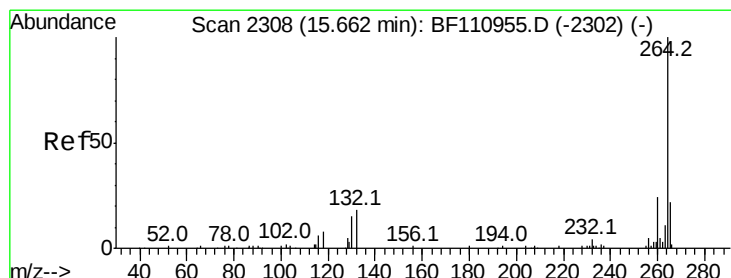
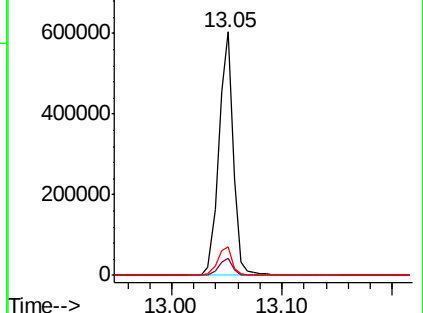
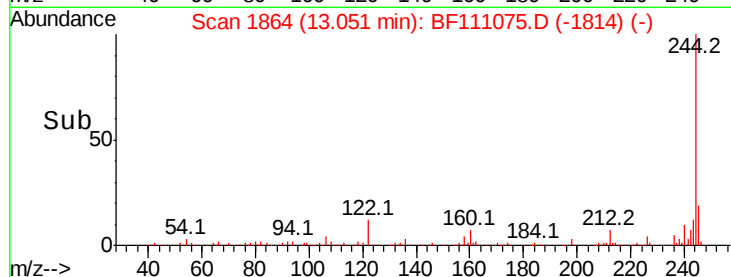
122 11.8 8.7 13.1



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# 2308

Delta R.T. -0.01 min

Lab File: BF111075.D

Acq: 29 Nov 2018 5:49

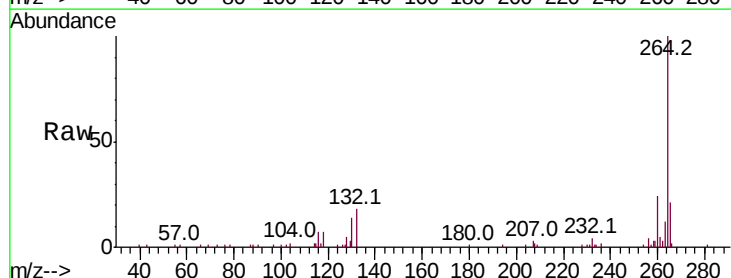
Tgt Ion:264 Resp: 100911

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 21.3 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

