

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\  
 Data File : BF107399.D  
 Acq On : 14 Jul 2018 6:40  
 Operator : JU/SJ  
 Sample : PB111110BL  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111110BL

Quant Time: Jul 14 07:04:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 11:54:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 43024    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.21  | 136  | 148225   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.98  | 164  | 69765    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.47 | 188  | 149035   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.13 | 240  | 134947   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.67 | 264  | 95883    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 217946   | 85.78  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 253822   | 79.99  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 225857   | 84.68  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 63588    | 78.64  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 427551   | 107.66 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.05 | 244  | 539951   | 96.92  | ng    | 0.00     |

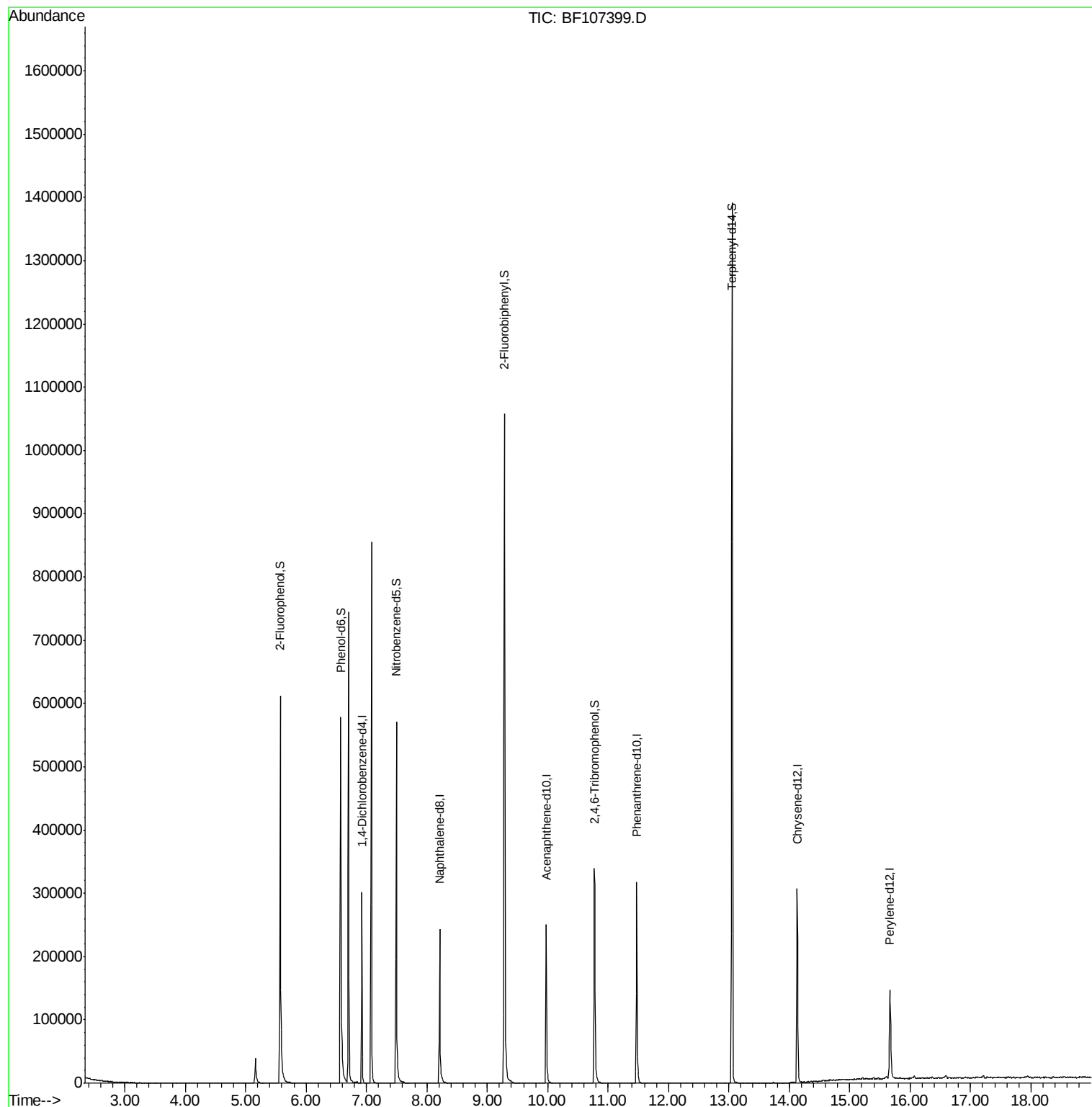
Target Compounds Qvalue

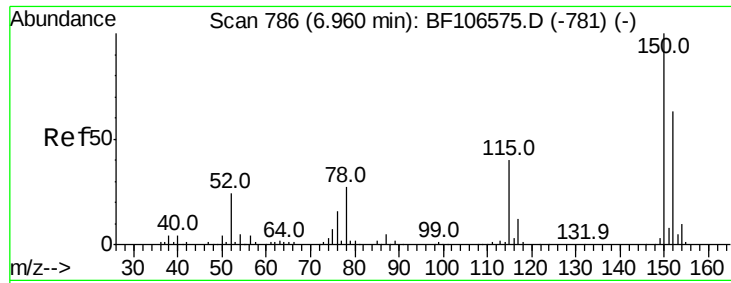
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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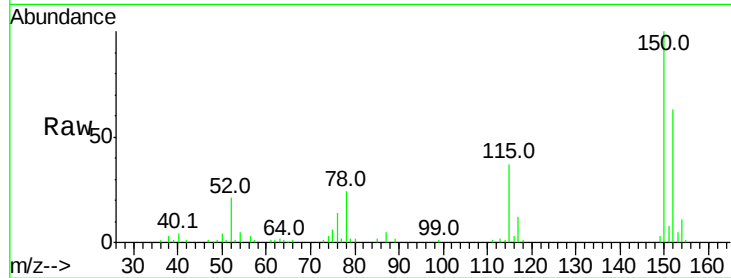


#1

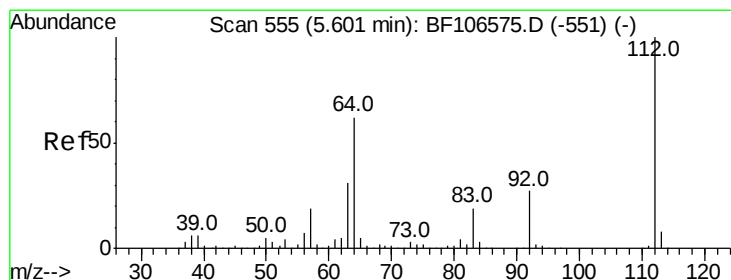
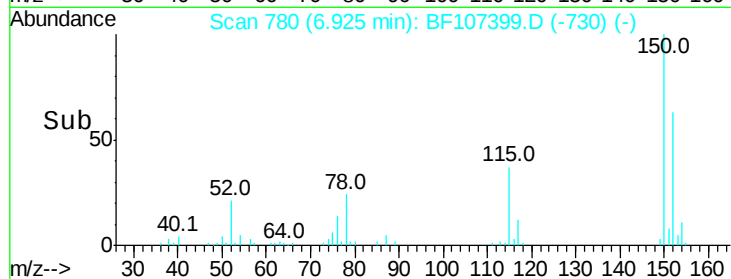
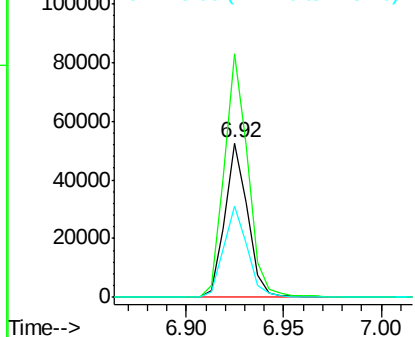
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF107399.D  
Acq: 14 Jul 2018 6:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB111110BL

Tot Ion:152 Resp: 43024  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.6 186.8  
115 58.9 50.1 75.1



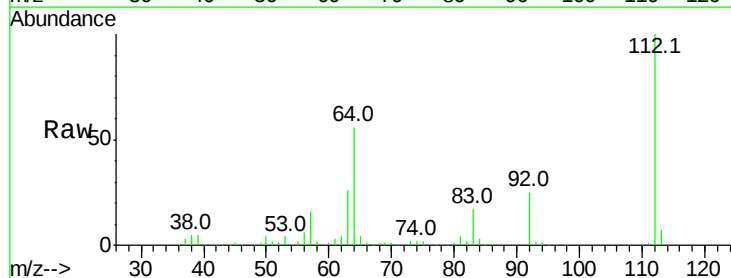
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



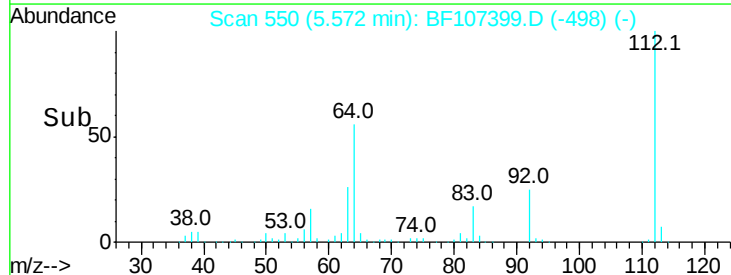
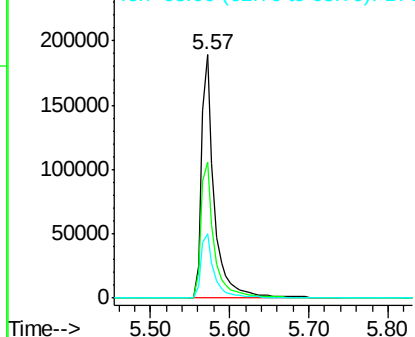
#5

2-Fluorophenol  
Concen: 85.778 ng  
RT: 5.57 min Scan# 550  
Delta R.T. 0.01 min  
Lab File: BF107399.D  
Acq: 14 Jul 2018 6:40

Tgt Ion:112 Resp: 217946  
Ion Ratio Lower Upper  
112 100  
64 55.9 47.9 71.9  
63 26.4 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: 79.995 ng

RT: 6.57 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF107399.D

Acq: 14 Jul 2018 6:40

Instrument :

BNA\_F

ClientSampleId :

PB111110BL

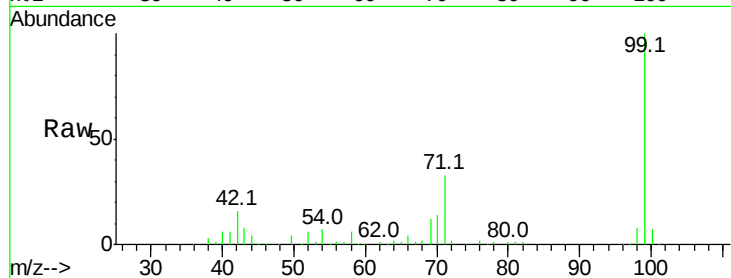
Tot Ion: 99 Resp: 253822

Ion Ratio Lower Upper

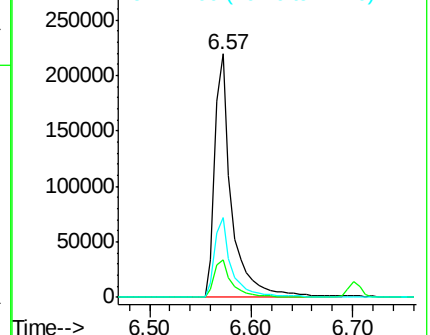
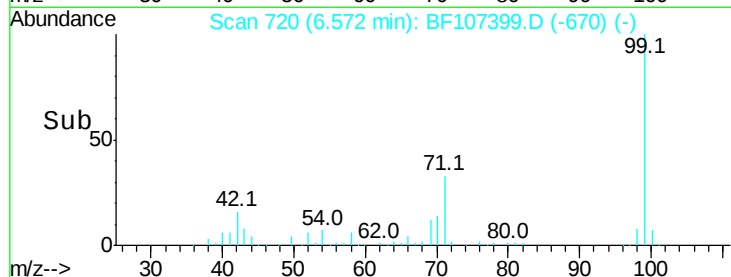
99 100

42 15.6 14.5 21.7

71 32.7 25.4 38.0



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: 8.21 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF107399.D

Acq: 14 Jul 2018 6:40

Tgt Ion: 136 Resp: 148225

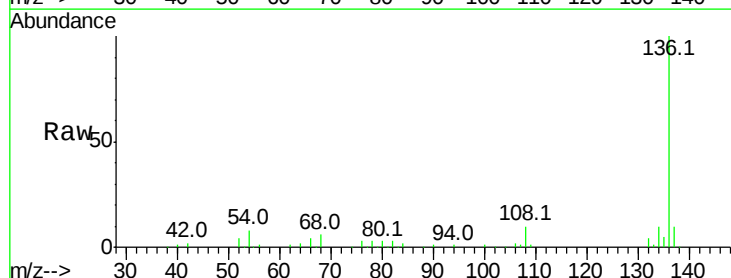
Ion Ratio Lower Upper

136 100

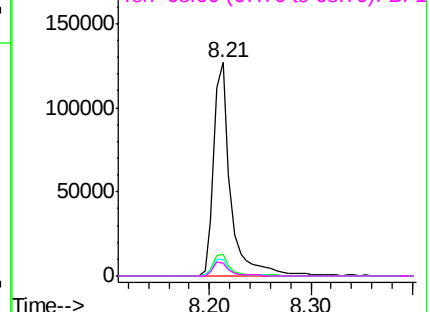
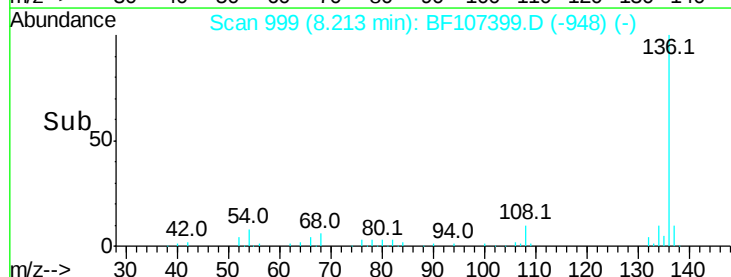
137 10.3 8.9 13.3

54 7.6 6.6 9.8

68 5.8 5.0 7.4



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

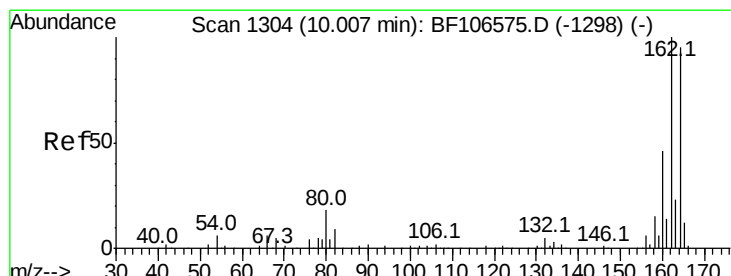
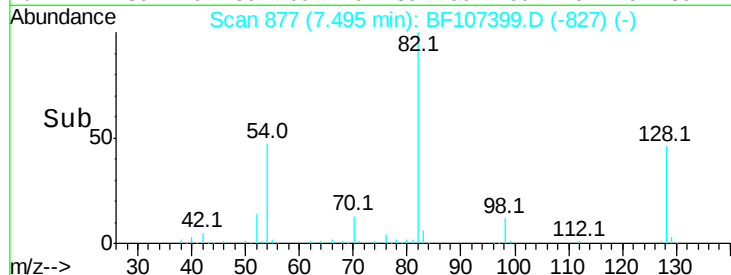
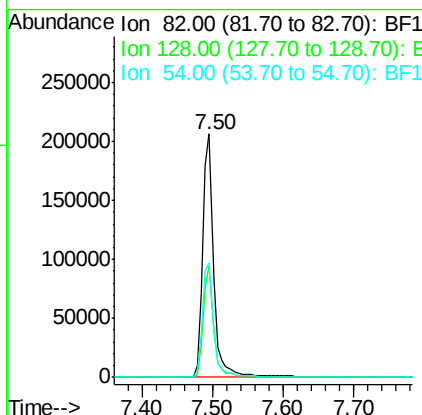
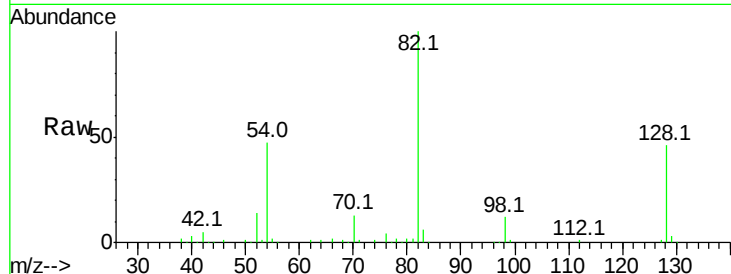




#23  
 Nitrobenzene-d5  
 Concen: 84.680 ng  
 RT: 7.50 min Scan# 877  
 Delta R.T. -0.01 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

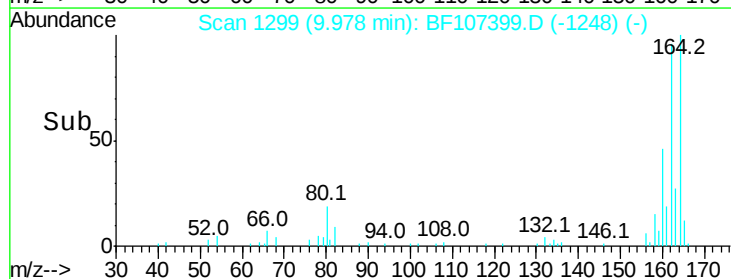
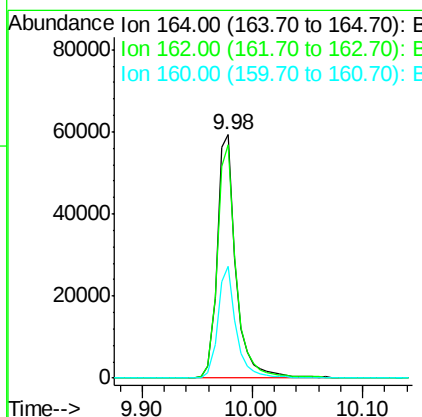
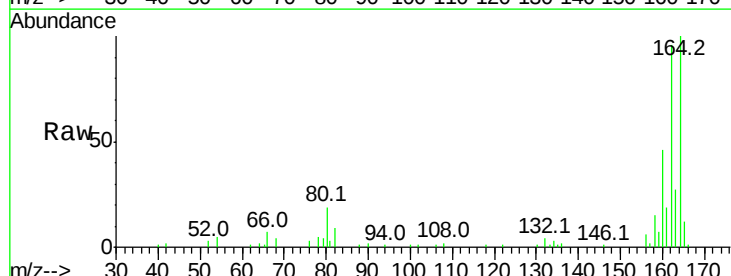
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB111110BL

| Tot Ion   | 82    | Resp  | 225857 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.8  | 36.1  | 54.1   |
| 54        | 46.8  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. 0.00 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

| Tgt Ion   | 164   | Resp  | 69765 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 95.7  | 86.1  | 129.1 |
| 160       | 45.8  | 38.3  | 57.5  |

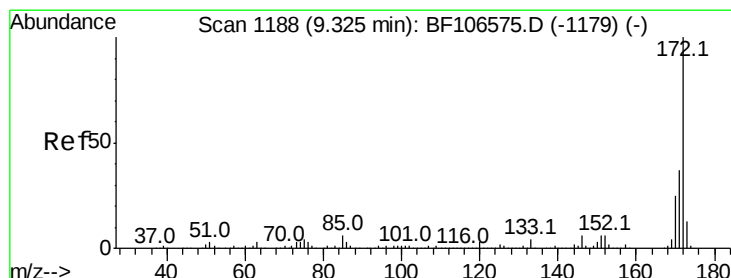
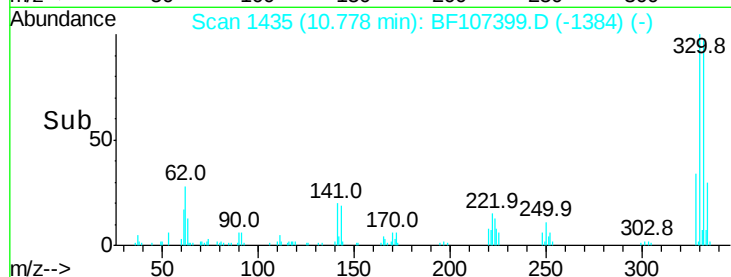
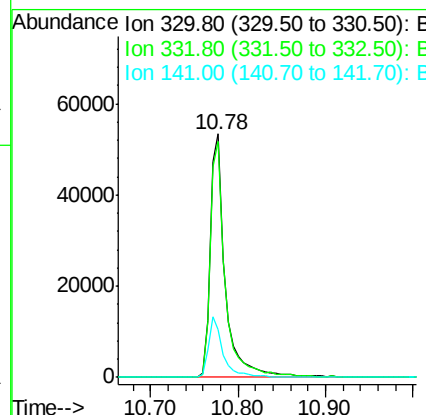
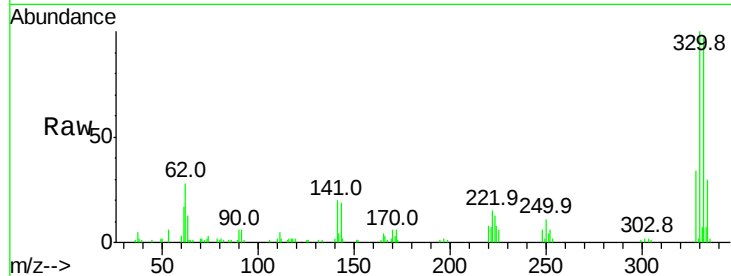




#41  
 2,4,6-Tribromophenol  
 Concen: 78.640 ng  
 RT: 10.78 min Scan# 1435  
 Delta R.T. 0.00 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

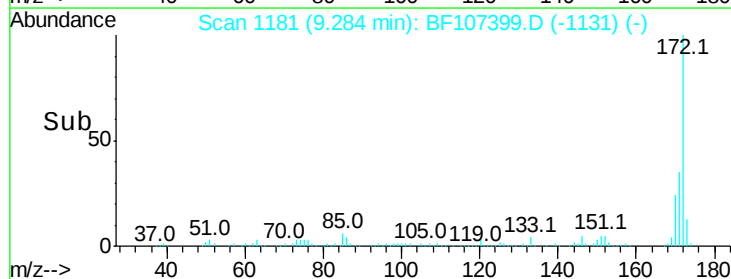
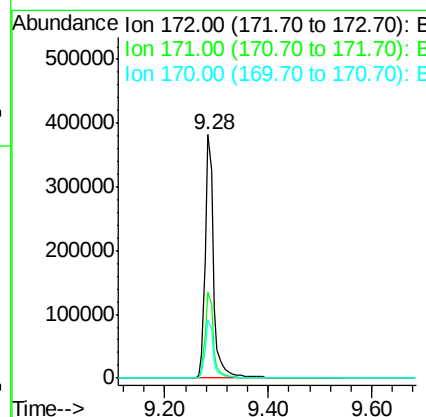
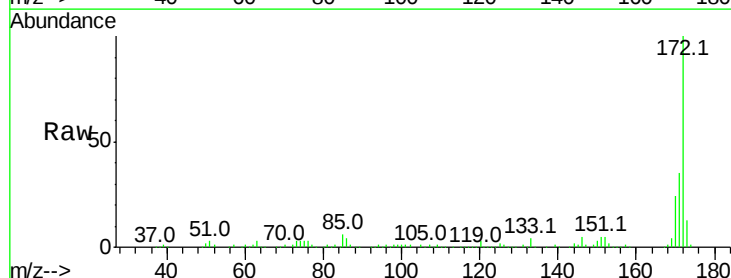
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111110BL

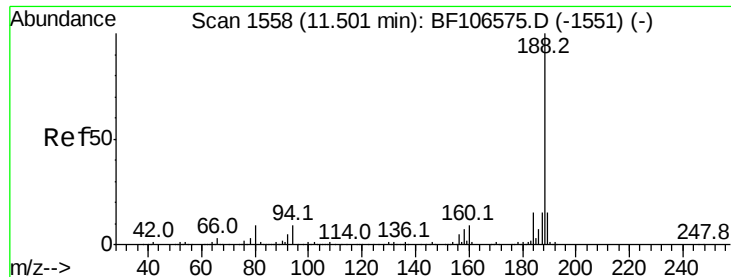
Tot Ion:330 Resp: 63588  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.0 115.6  
 141 24.0 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 107.665 ng  
 RT: 9.28 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

Tgt Ion:172 Resp: 427551  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.7 44.5  
 170 24.0 19.6 29.4

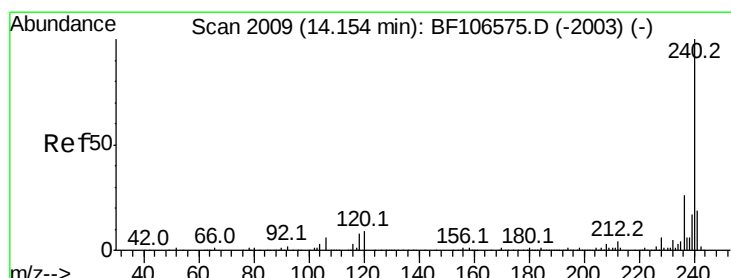
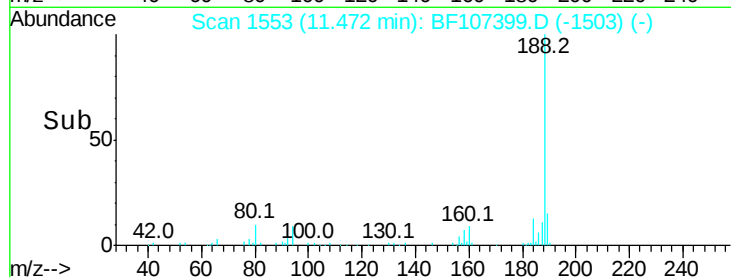
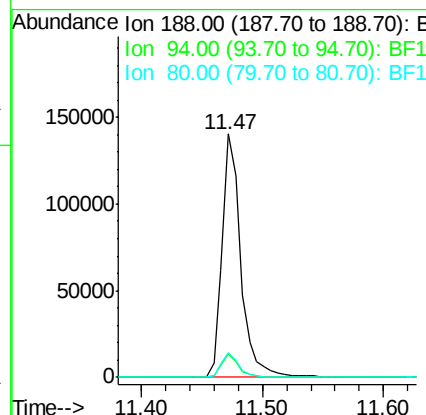
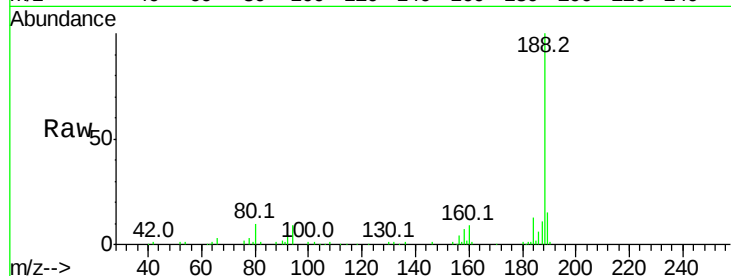




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.47 min Scan# 1553  
 Delta R.T. -0.01 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

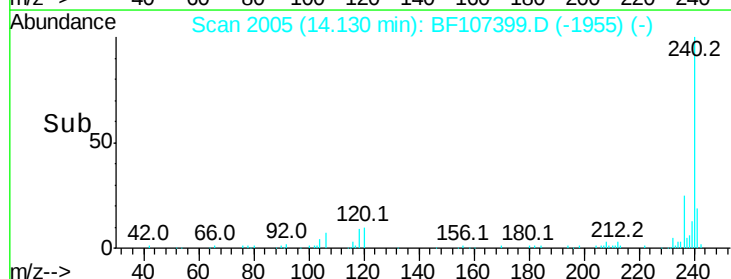
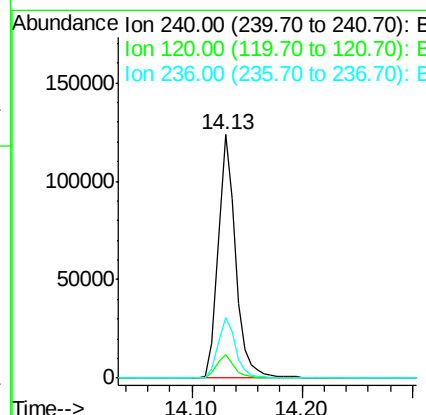
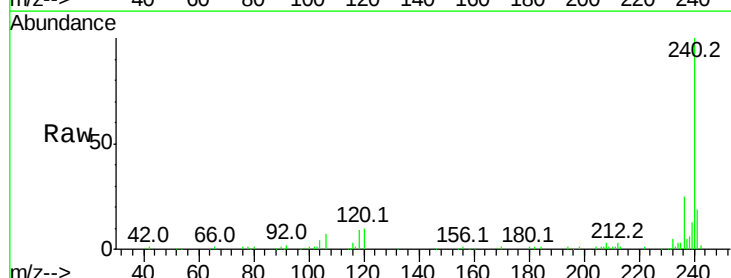
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111110BL

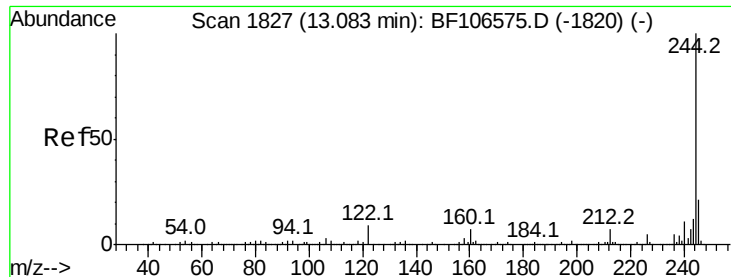
Tot Ion:188 Resp: 149035  
 Ion Ratio Lower Upper  
 188 100  
 94 9.5 8.5 12.7  
 80 10.4 9.2 13.8



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.13 min Scan# 2005  
 Delta R.T. -0.01 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

Tgt Ion:240 Resp: 134947  
 Ion Ratio Lower Upper  
 240 100  
 120 9.9 9.5 14.3  
 236 25.0 20.7 31.1

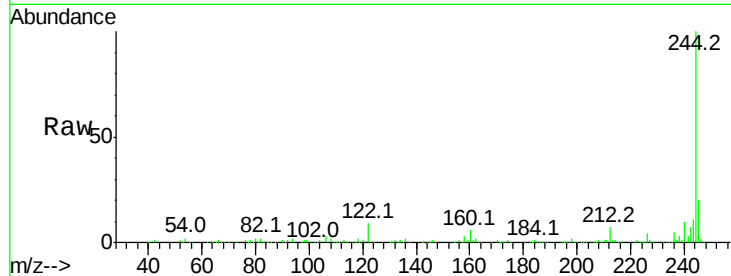




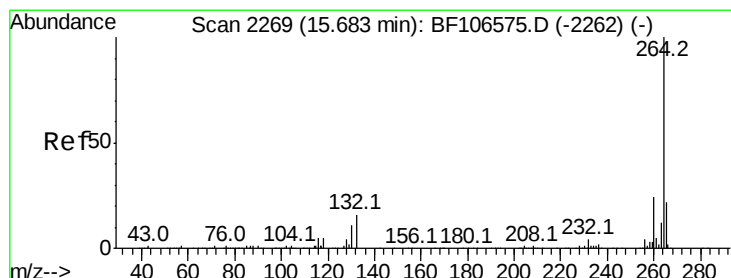
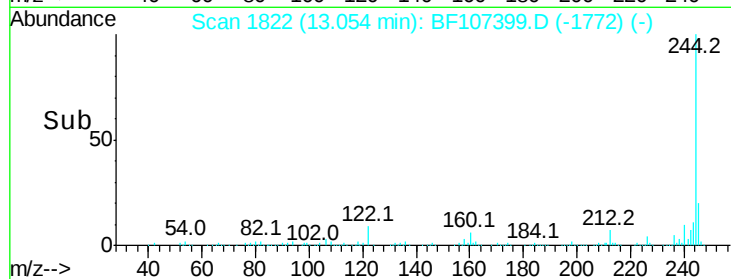
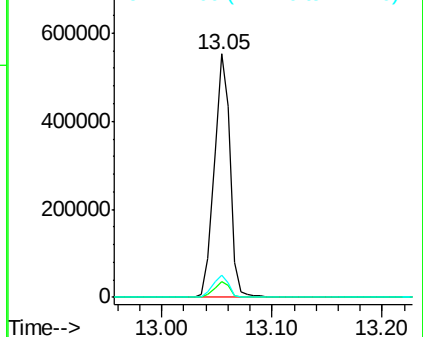
#78  
 Terphenyl-d14  
 Concen: 96.921 ng  
 RT: 13.05 min Scan# 1822  
 Delta R.T. -0.01 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111110BL

Tot Ion:244 Resp: 539951  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.0  
 122 9.3 11.0 16.4#

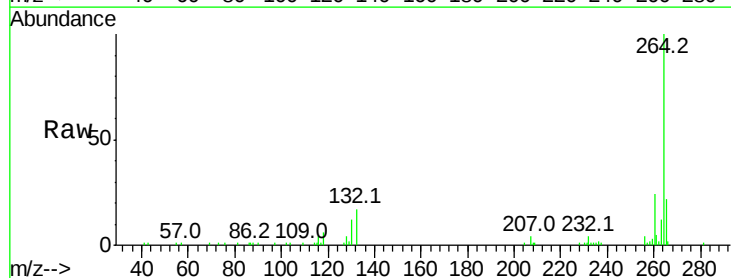


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2266  
 Delta R.T. 0.00 min  
 Lab File: BF107399.D  
 Acq: 14 Jul 2018 6:40

Tgt Ion:264 Resp: 95883  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.4 17.5 26.3



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

