

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\  
 Data File : BF098075.D  
 Acq On : 28 Aug 2017 19:27  
 Operator : SJ/JU  
 Sample : PB101859BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB101859BL

Quant Time: Aug 29 08:47:57 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 104806   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.02  | 136  | 421518   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.77  | 164  | 185796   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 363196   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.89 | 240  | 320755   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.32 | 264  | 273472   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 601299   | 87.27 | ng    | 0.00     |
| 7) Phenol-d6                | 6.37  | 99   | 788230   | 84.20 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 715379   | 92.20 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 140935   | 87.42 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1069262  | 84.55 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.84 | 244  | 950749   | 61.81 | ng    | 0.00     |

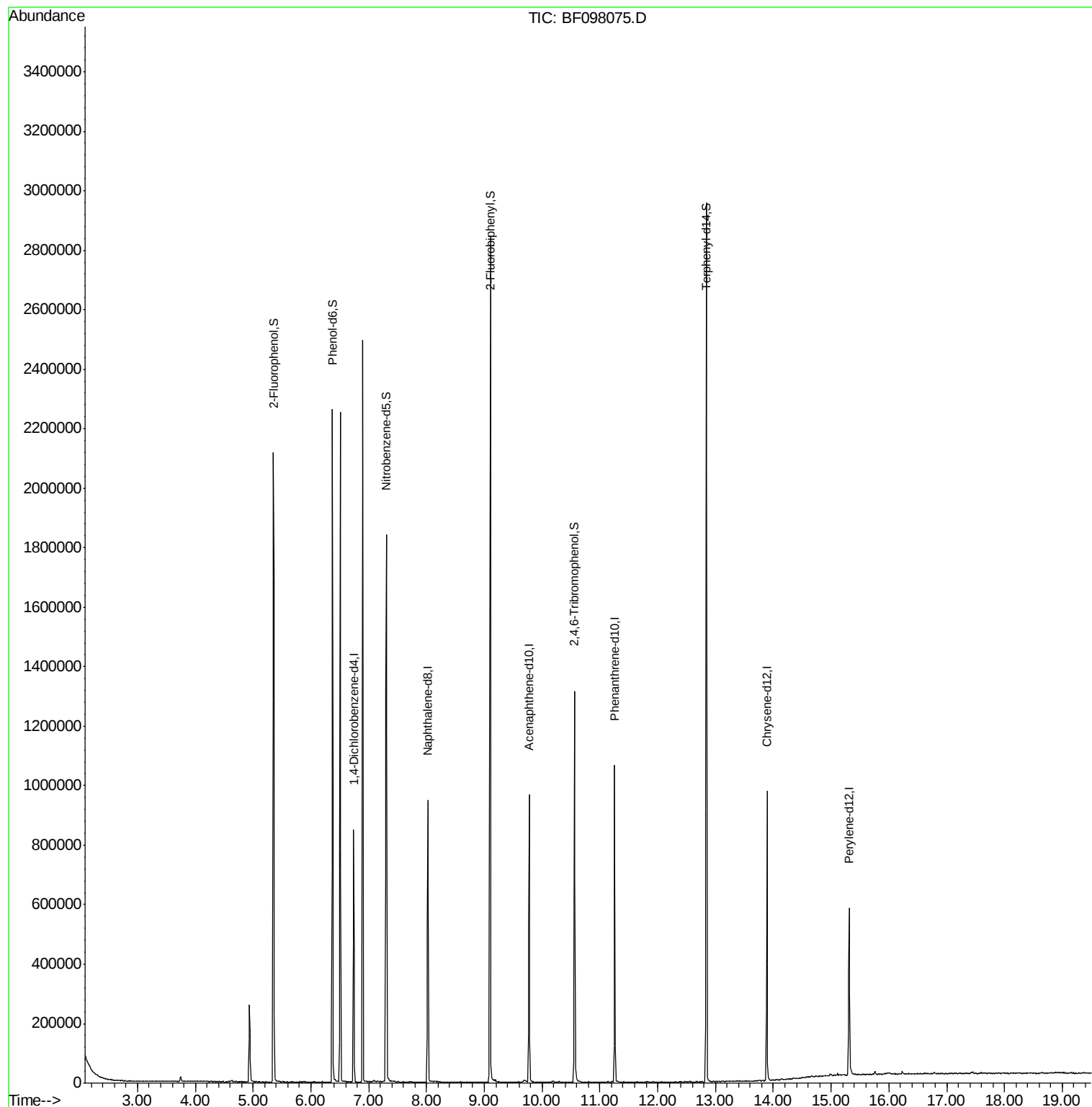
Target Compounds Qvalue

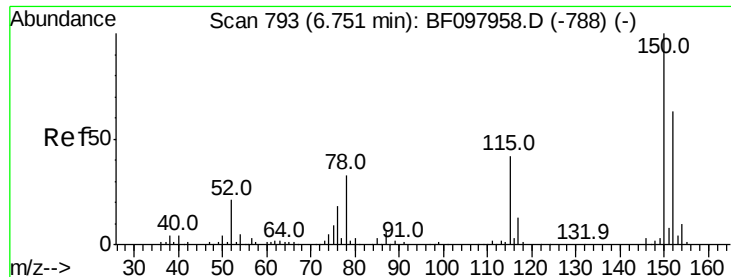
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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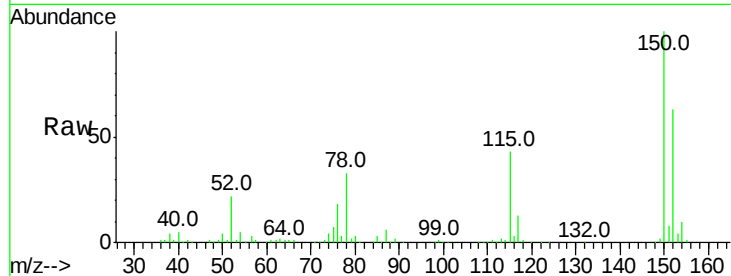


#1

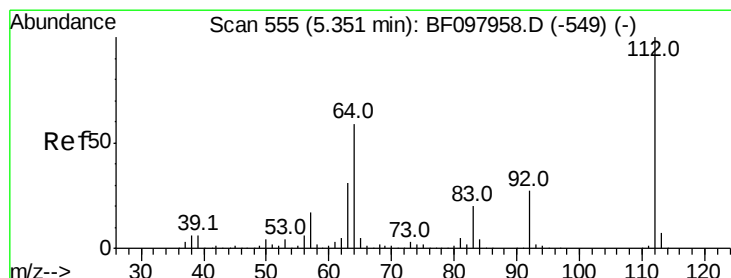
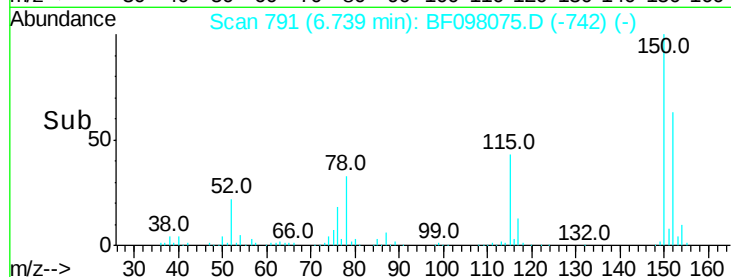
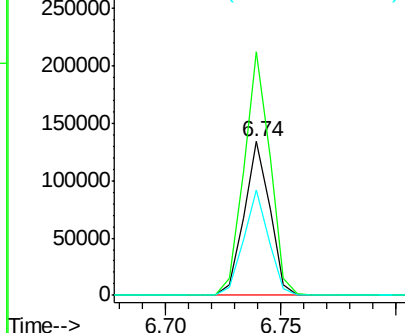
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 791  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB101859BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 126.2 | 189.2 |
| 115     | 68.7  | 52.2  | 78.2  |



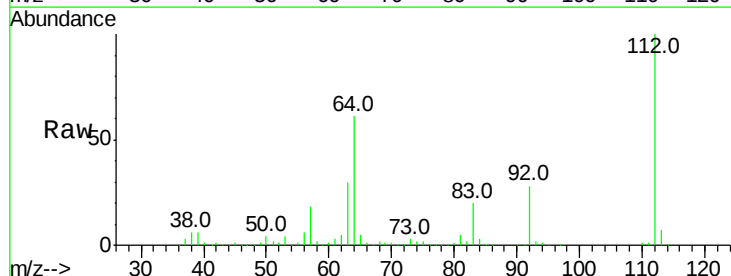
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



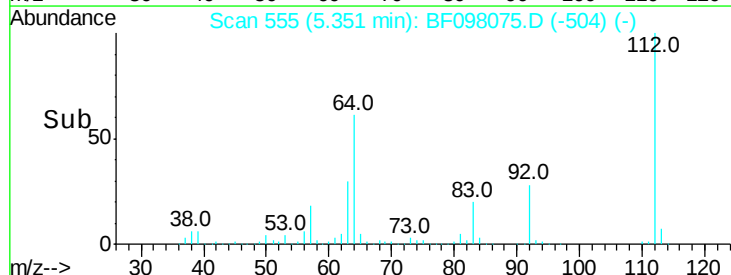
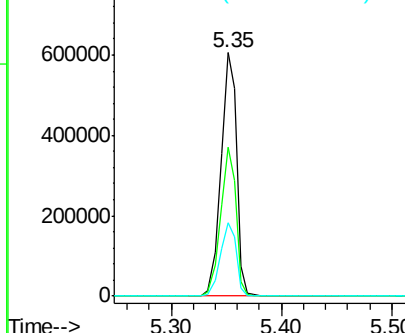
#5

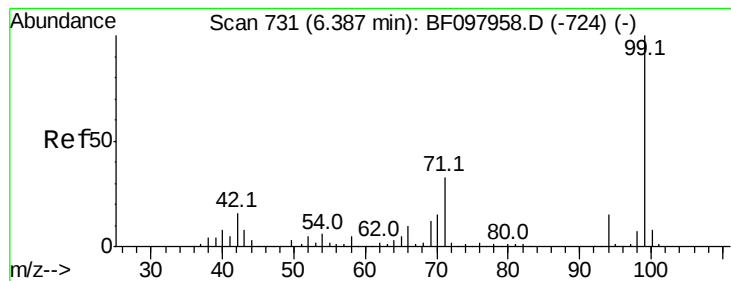
2-Fluorophenol  
 Concen: 87.268 ng  
 RT: 5.35 min Scan# 555  
 Delta R.T. -0.00 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.9  | 46.0  | 69.0  |
| 63      | 30.4  | 23.4  | 35.0  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 84.196 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098075.D

Acq: 28 Aug 2017 19:27

Instrument :

BNA\_F

ClientSampleId :

PB101859BL

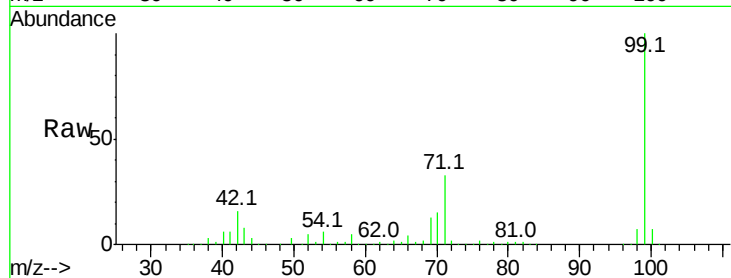
Tot Ion: 99 Resp: 788230

Ion Ratio Lower Upper

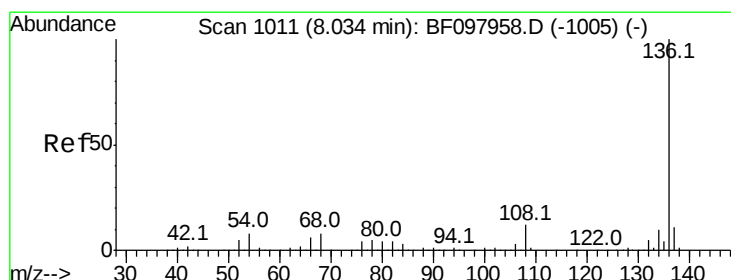
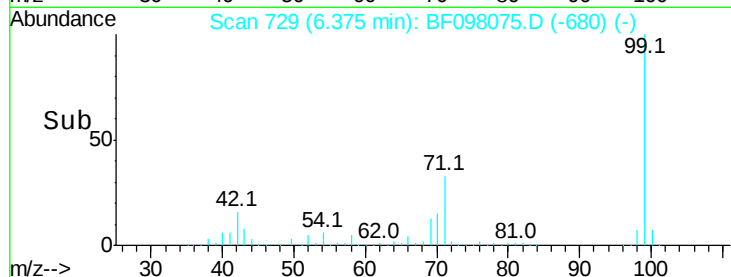
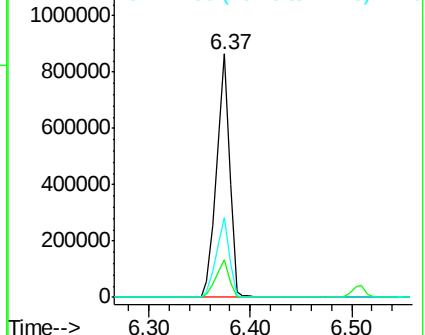
99 100

42 15.6 13.5 20.3

71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098075.D

Acq: 28 Aug 2017 19:27

Tgt Ion: 136 Resp: 421518

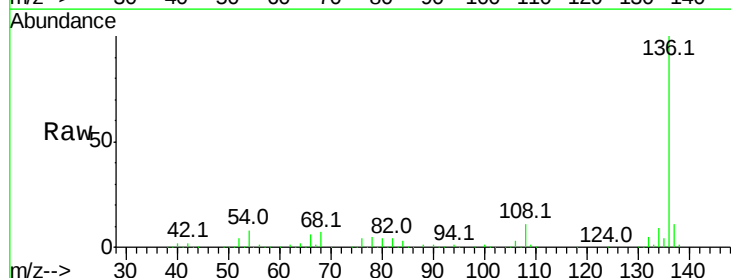
Ion Ratio Lower Upper

136 100

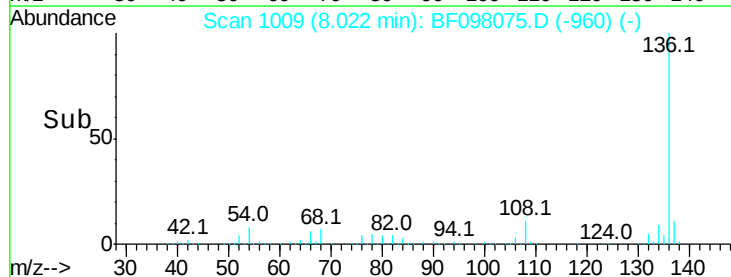
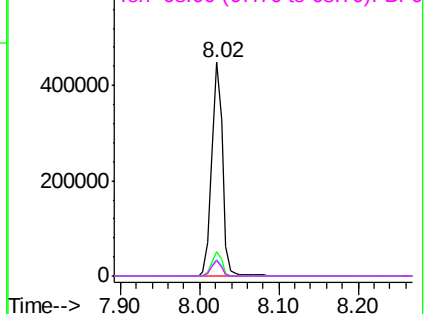
137 11.4 8.5 12.7

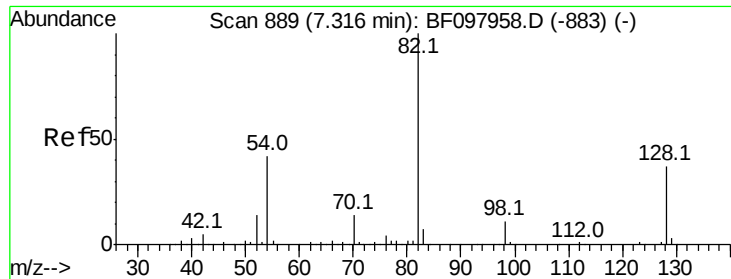
54 7.7 4.9 7.3#

68 7.0 4.1 6.1#



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

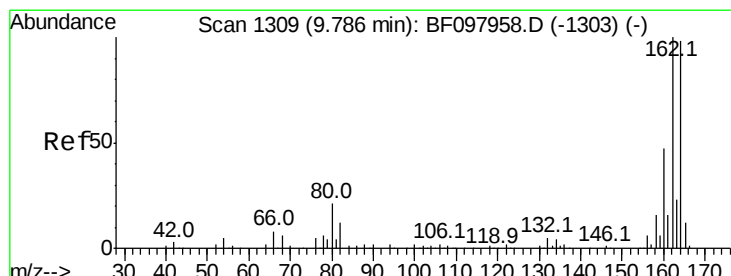
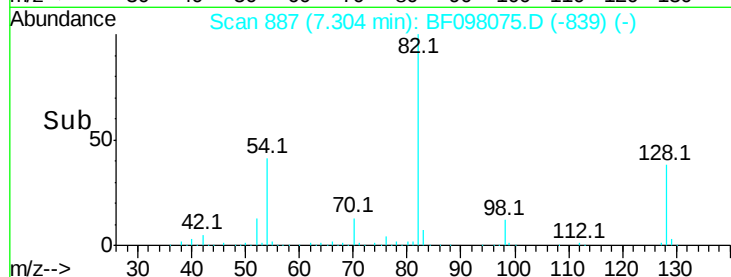
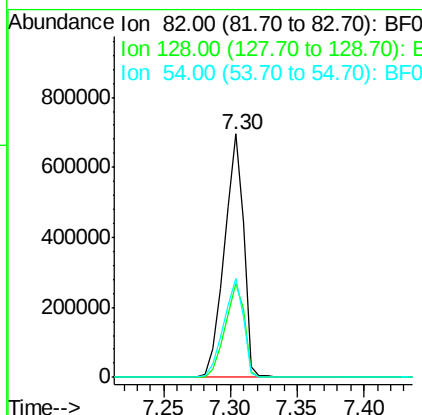
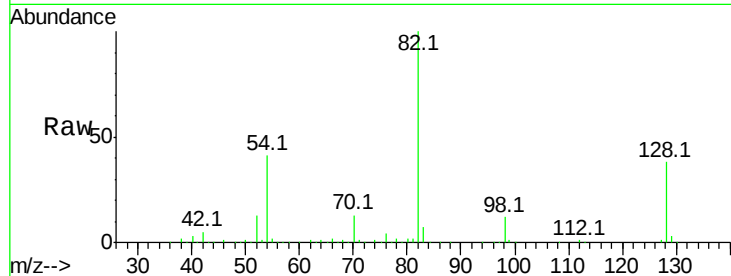




#23  
 Nitrobenzene-d5  
 Concen: 92.197 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. -0.02 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

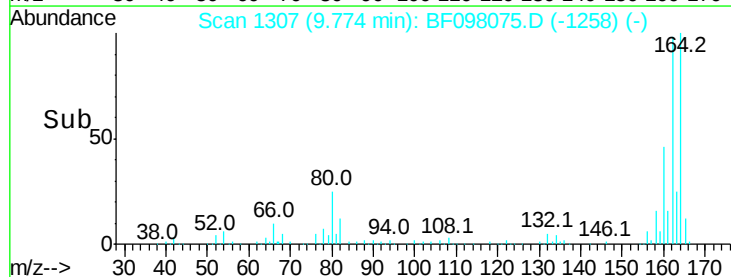
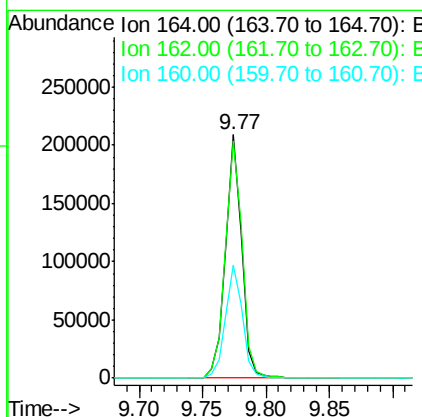
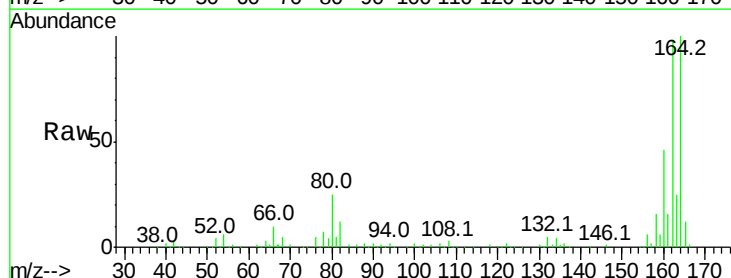
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB101859BL

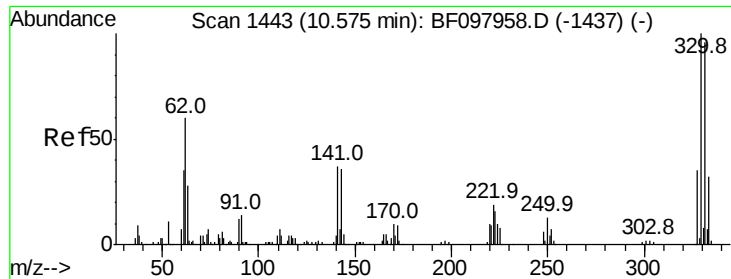
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.4  | 34.0  | 51.0  |
| 54      | 40.7  | 42.2  | 63.2# |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.6  | 82.6  | 123.8 |
| 160     | 46.2  | 36.2  | 54.2  |

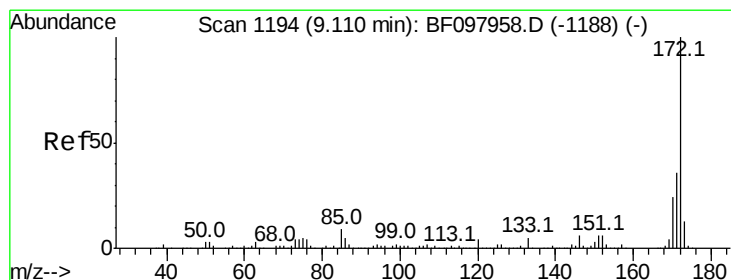
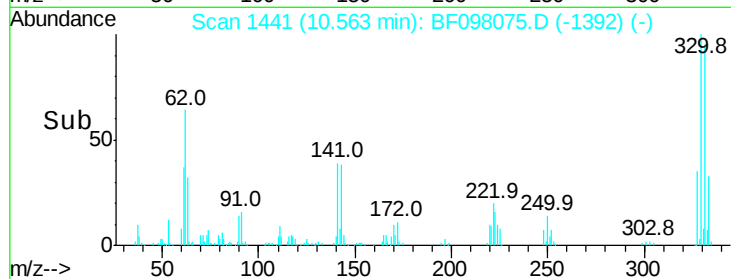
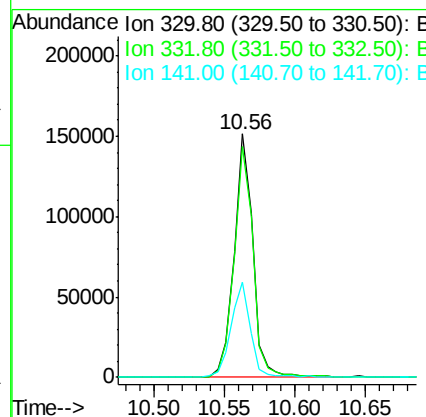
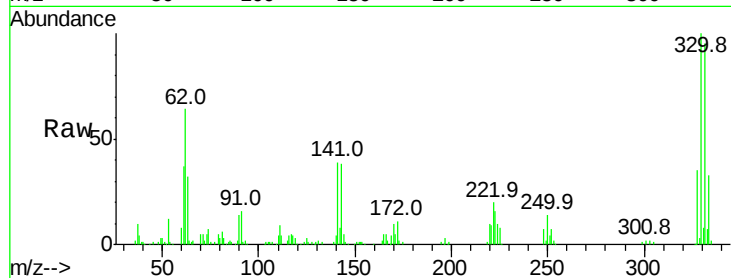




#41  
 2,4,6-Tribromophenol  
 Concen: 87.424 ng  
 RT: 10.56 min Scan# 1441  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

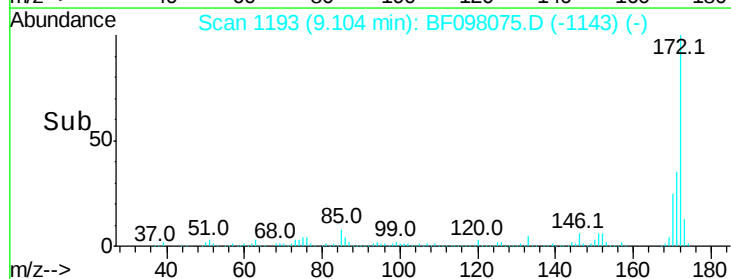
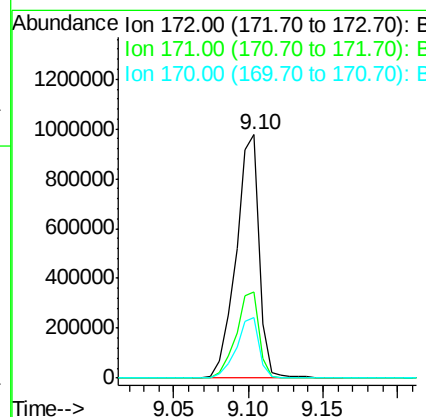
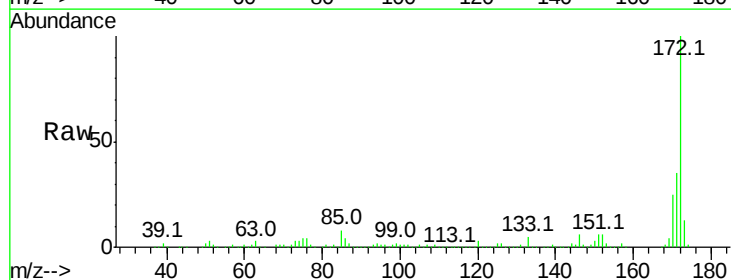
Instrument :  
 BNA\_F  
 ClientSampleId :  
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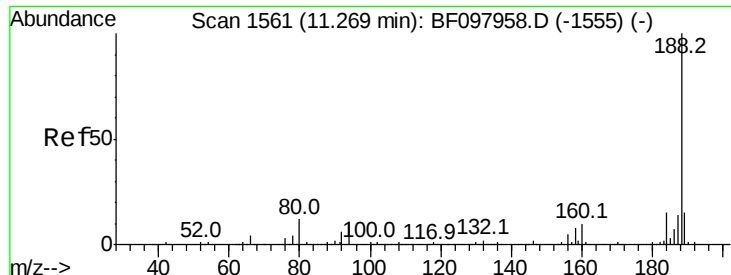
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.6  | 115.0 |
| 141     | 40.6  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 84.553 ng  
 RT: 9.10 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.6  | 44.4  |
| 170     | 24.6  | 19.8  | 29.8  |

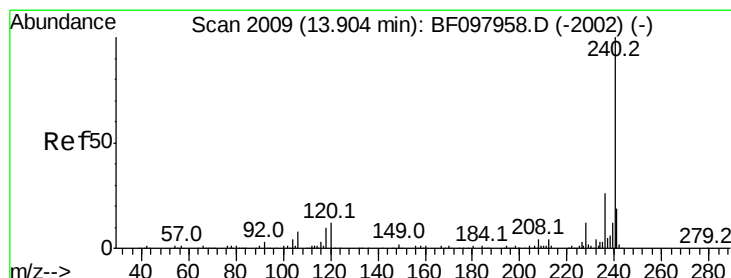
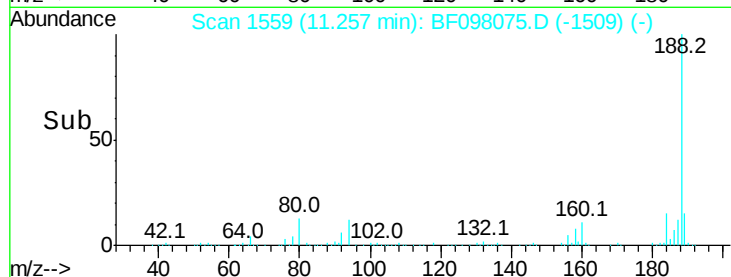
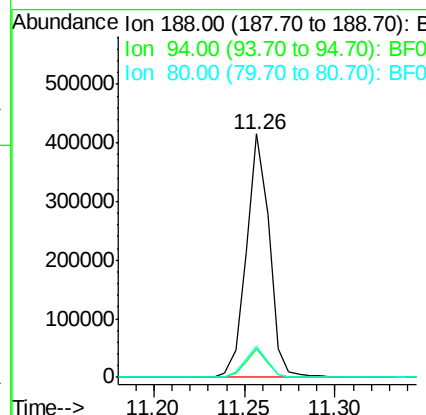
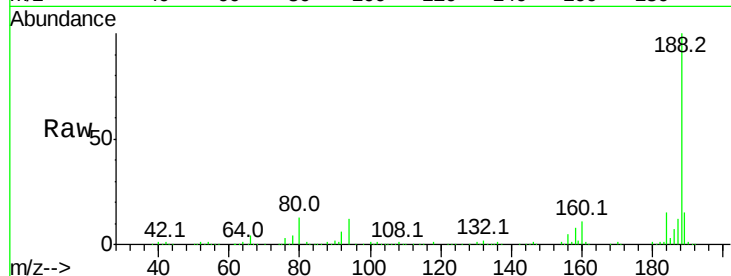




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.26 min Scan# 1559  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

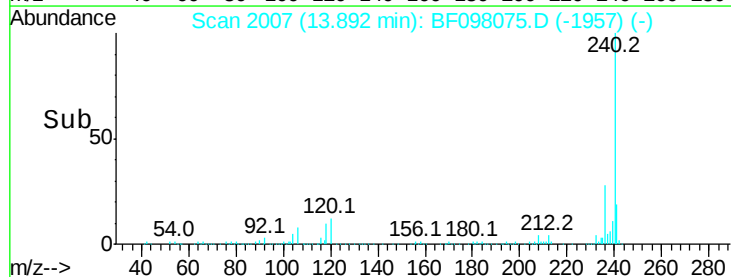
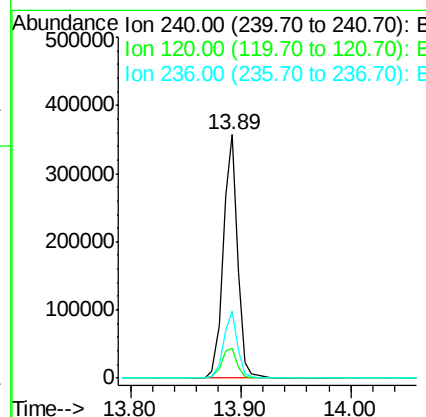
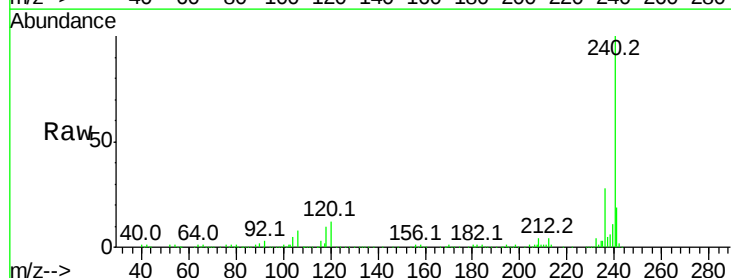
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB101859BL

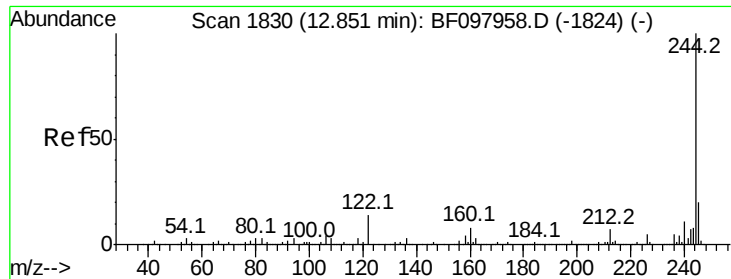
Tot Ion:188 Resp: 363196  
 Ion Ratio Lower Upper  
 188 100  
 94 11.8 9.4 14.2  
 80 12.8 10.2 15.2



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

Tgt Ion:240 Resp: 320755  
 Ion Ratio Lower Upper  
 240 100  
 120 12.3 5.8 8.8#  
 236 27.6 20.5 30.7

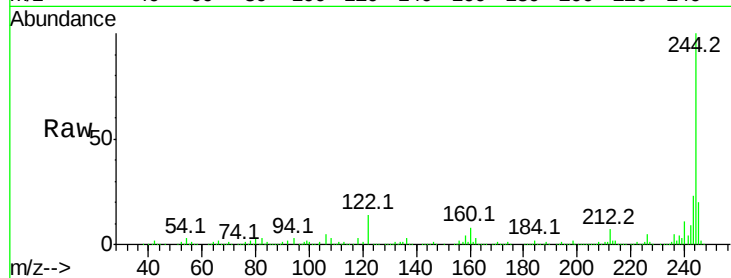




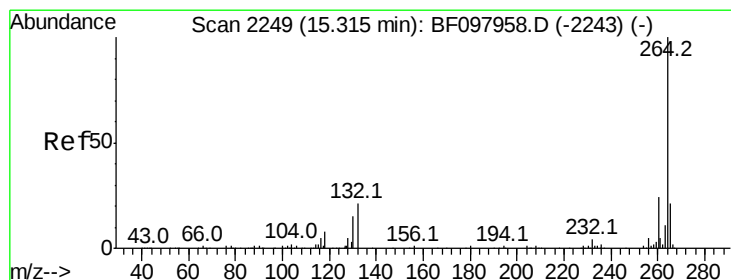
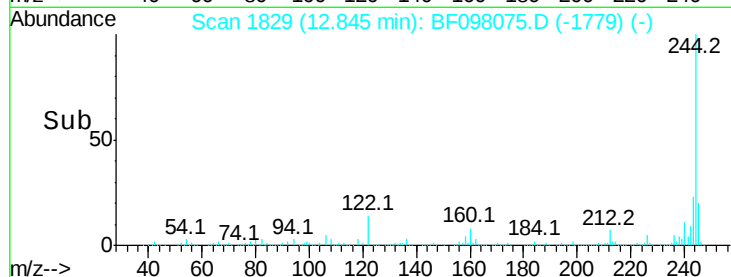
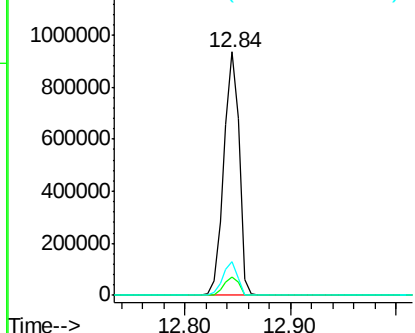
#78  
 Terphenyl-d14  
 Concen: 61.811 ng  
 RT: 12.84 min Scan# 1829  
 Delta R.T. -0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB101859BL

Tot Ion:244 Resp: 950749  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.0 9.0  
 122 13.9 10.3 15.5

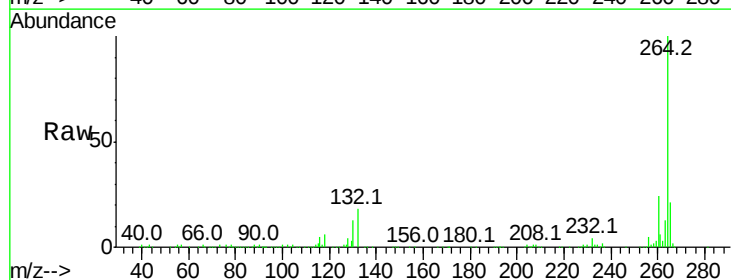


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.32 min Scan# 2249  
 Delta R.T. 0.01 min  
 Lab File: BF098075.D  
 Acq: 28 Aug 2017 19:27

Tgt Ion:264 Resp: 273472  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.5 29.3  
 265 20.9 17.2 25.8



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

