

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\  
 Data File : BF098414.D  
 Acq On : 11 Sep 2017 20:53  
 Operator : SJ/JU  
 Sample : PB102184BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102184BL

Quant Time: Sep 12 02:22:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 11 19:42:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 213976   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 911765   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.70  | 164  | 415036   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.18 | 188  | 812450   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.81 | 240  | 653836   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.21 | 264  | 568664   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 1879932  | 129.90 | ng    | 0.01     |
| 7) Phenol-d6                | 6.32  | 99   | 2307123  | 125.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1489644  | 91.08  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 420040   | 151.64 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 2342687  | 95.67  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.77 | 244  | 2217605  | 73.21  | ng    | 0.00     |

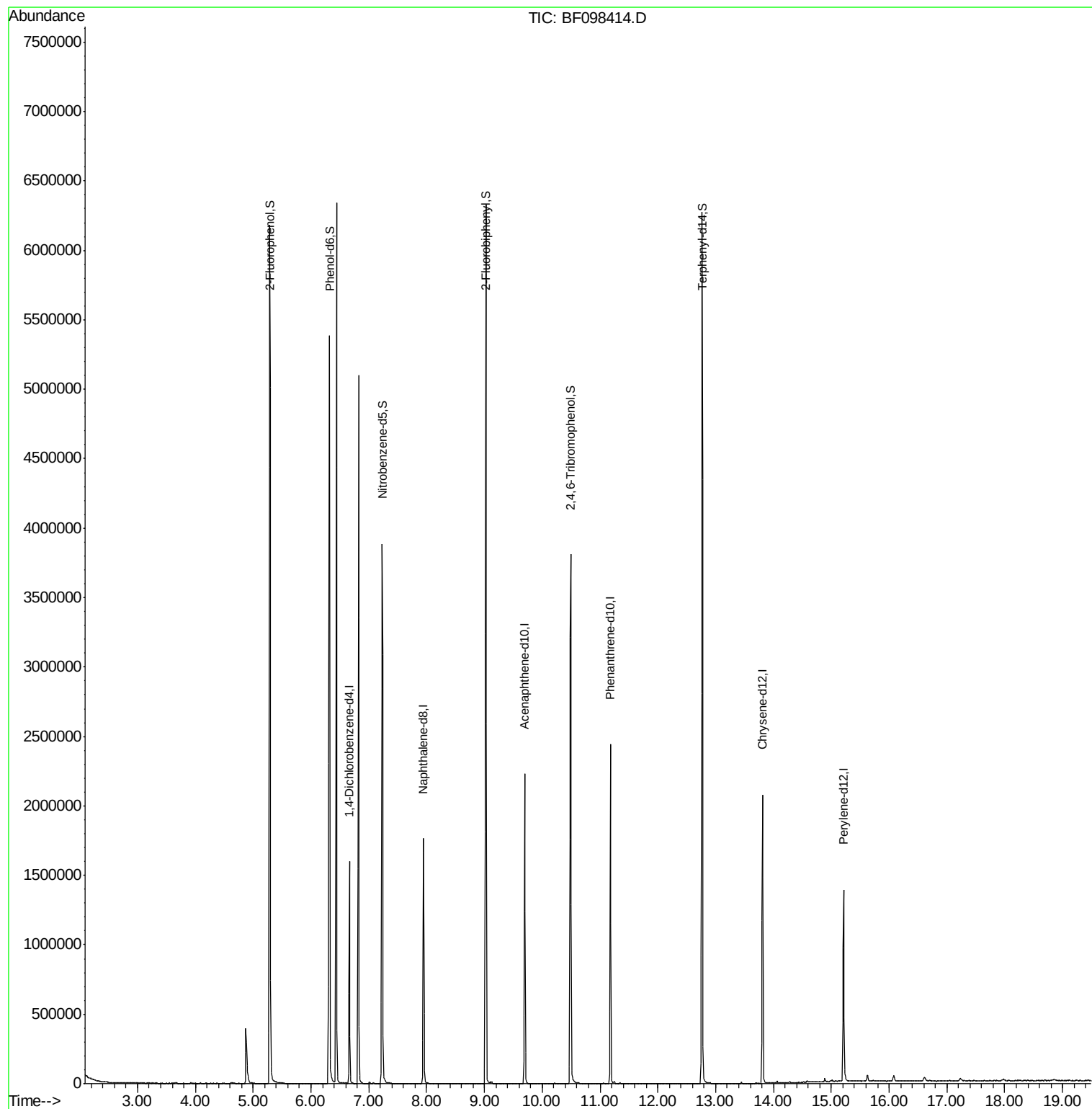
Target Compounds Qvalue

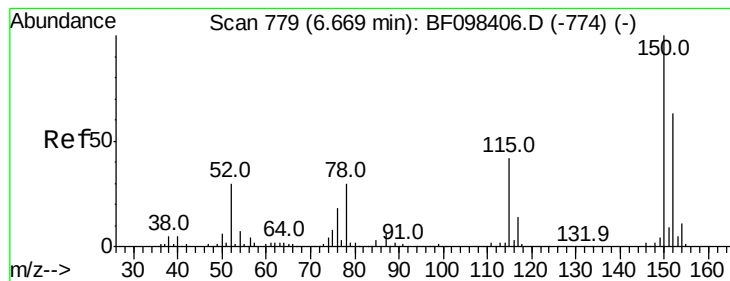
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\  
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Sample : PB102184BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB102184BL

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QLast Update : Mon Sep 11 19:42:20 2017  
Response via : Initial Calibration



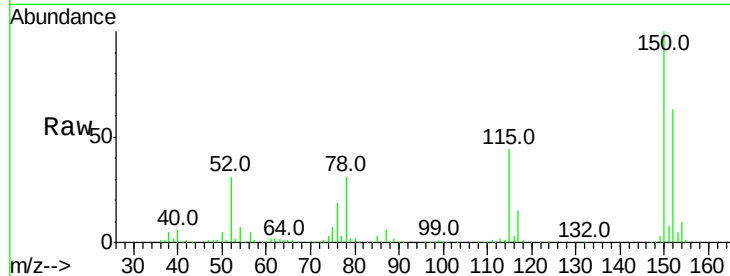


#1

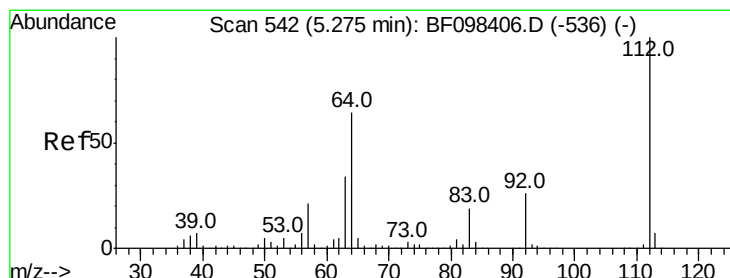
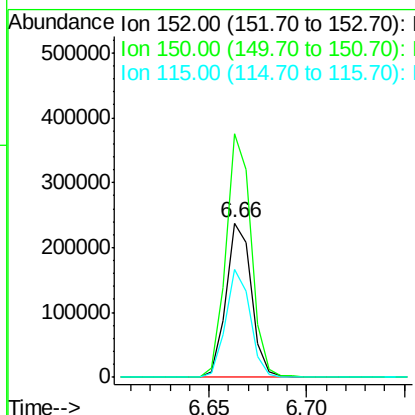
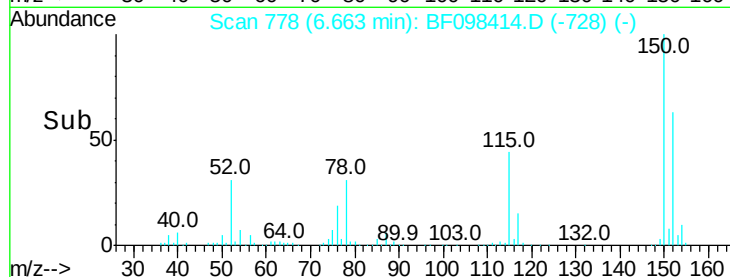
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.66 min Scan# 778  
 Delta R.T. -0.01 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102184BL

Tot Ion:152 Resp: 213976  
 Ion Ratio Lower Upper  
 152 100  
 150 157.8 126.2 189.2  
 115 69.9 52.2 78.2



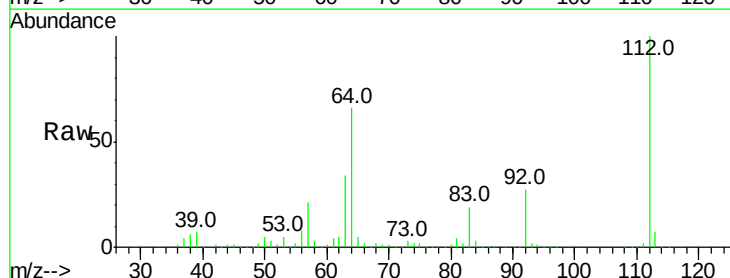
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



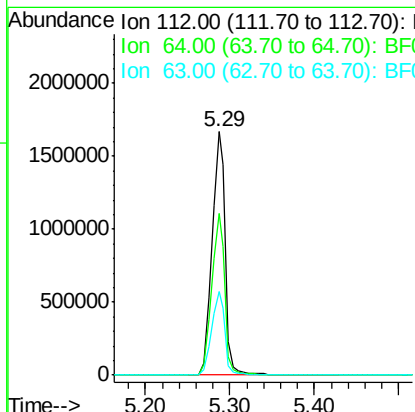
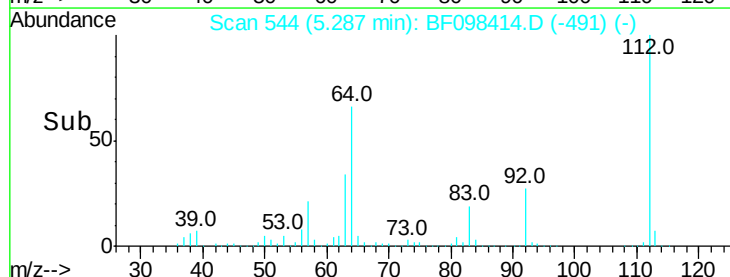
#5

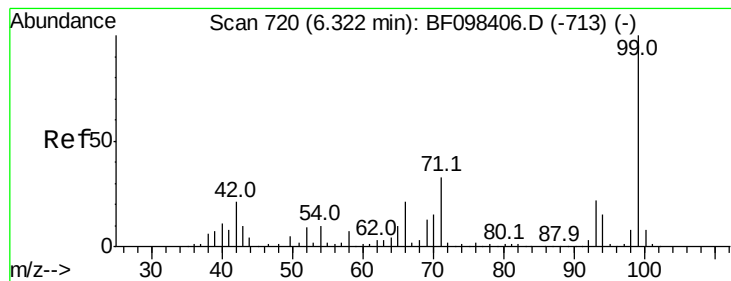
2-Fluorophenol  
 Concen: 129.899 ng  
 RT: 5.29 min Scan# 544  
 Delta R.T. 0.01 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

Tgt Ion:112 Resp: 1879932  
 Ion Ratio Lower Upper  
 112 100  
 64 66.3 46.0 69.0  
 63 34.4 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: 125.558 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF098414.D

Acq: 11 Sep 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

PB102184BL

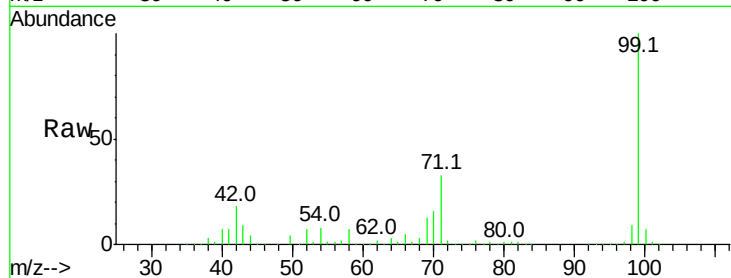
Tot Ion: 99 Resp: 2307123

Ion Ratio Lower Upper

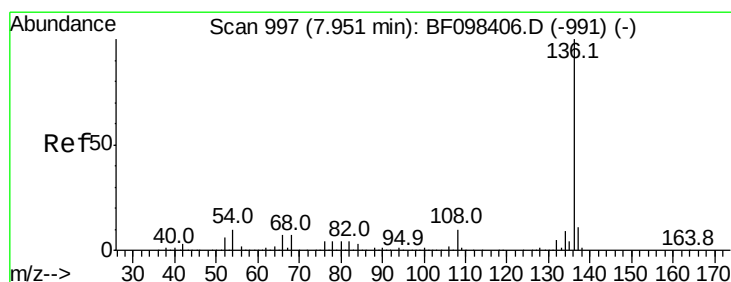
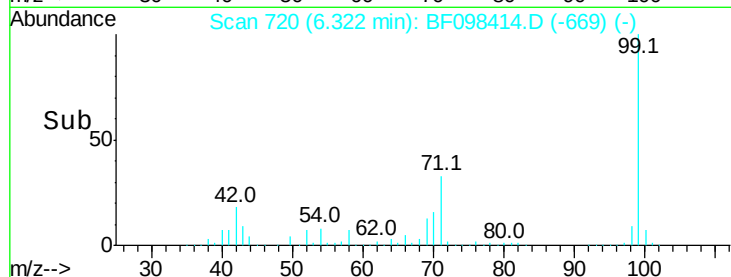
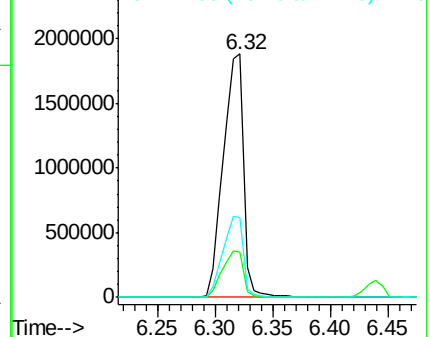
99 100

42 18.3 13.5 20.3

71 33.0 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: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098414.D

Acq: 11 Sep 2017 20:53

Tgt Ion: 136 Resp: 911765

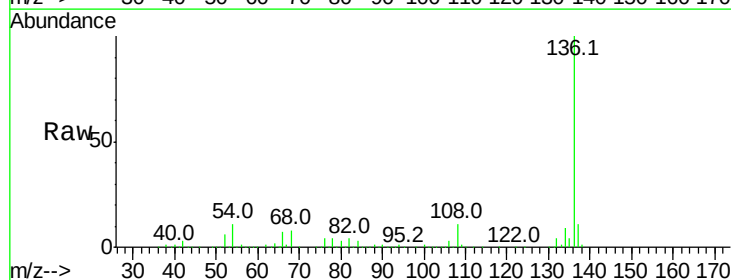
Ion Ratio Lower Upper

136 100

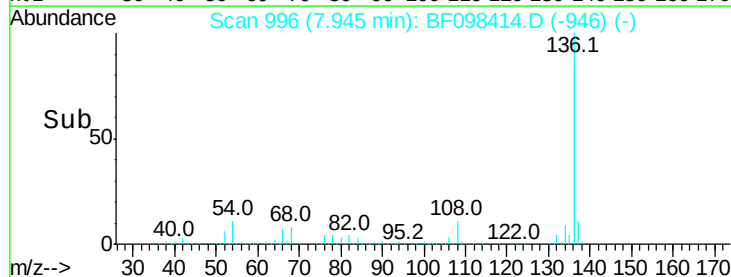
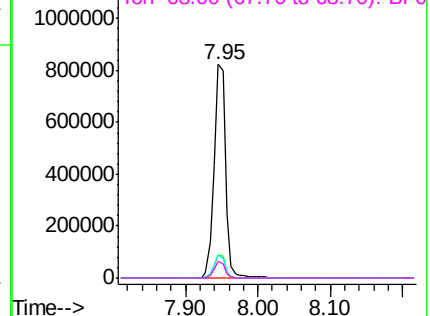
137 11.1 8.5 12.7

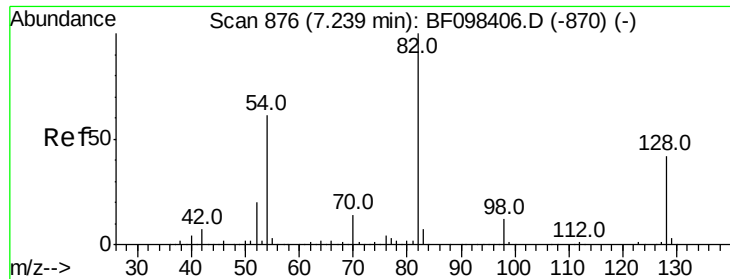
54 10.5 4.9 7.3#

68 7.8 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



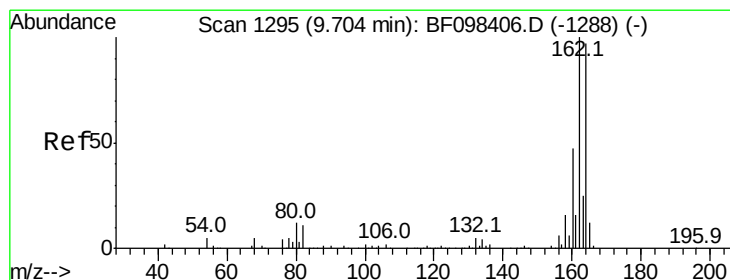
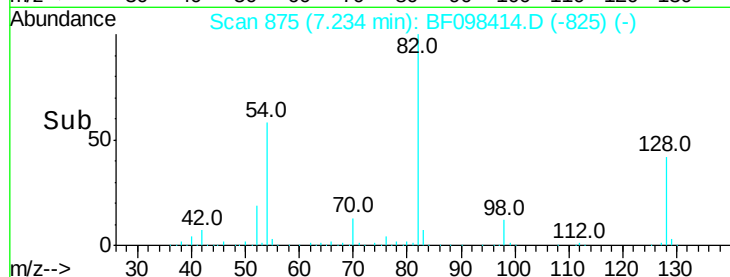
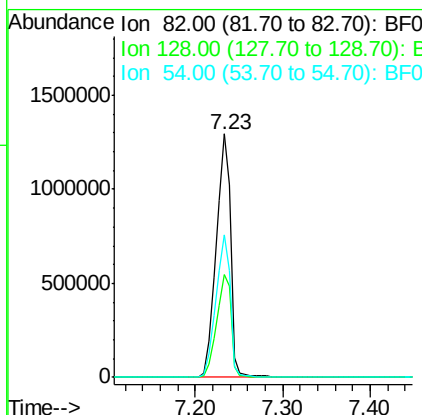
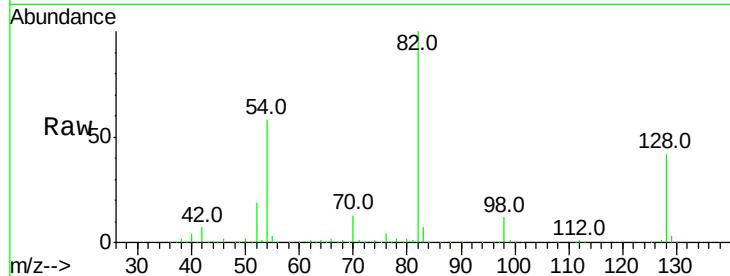


#23  
 Nitrobenzene-d5  
 Concen: 91.084 ng  
 RT: 7.23 min Scan# 875  
 Delta R.T. -0.01 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102184BL

Tot Ion: 82 Resp: 1489644  

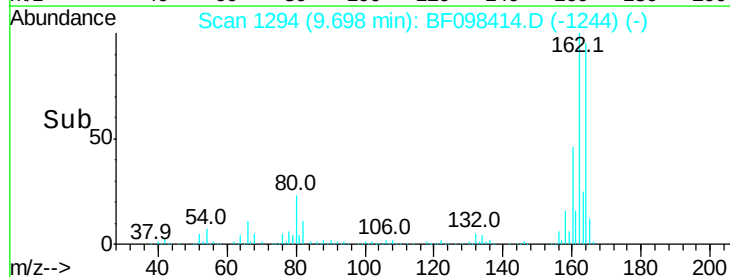
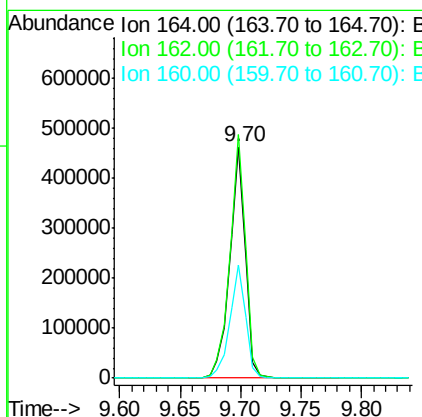
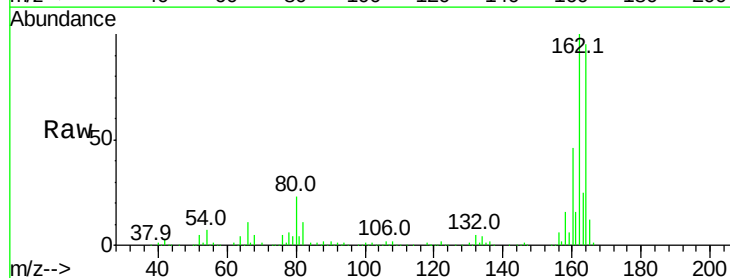
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 34.0  | 51.0  |
| 54  | 58.4  | 42.2  | 63.2  |

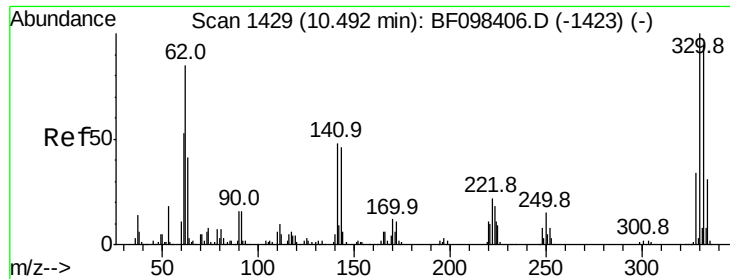


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. -0.01 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

Tgt Ion:164 Resp: 415036  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.3 | 82.6  | 123.8 |
| 160 | 48.9  | 36.2  | 54.2  |

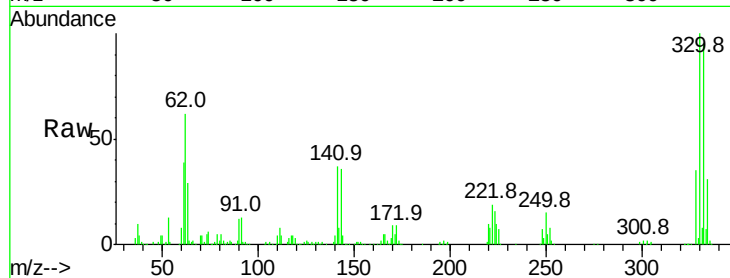




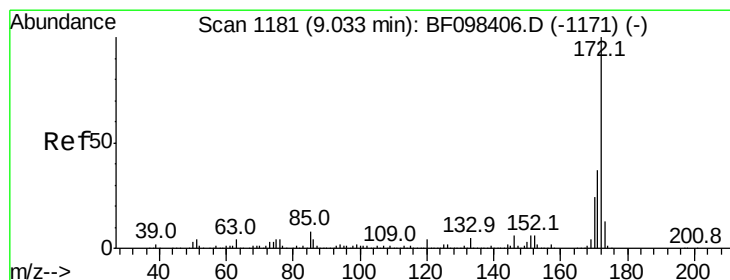
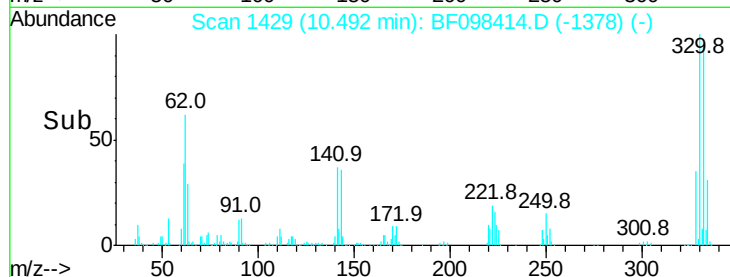
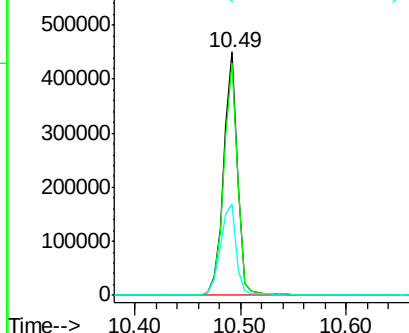
#41  
 2,4,6-Tribromophenol  
 Concen: 151.637 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. 0.00 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102184BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 76.6  | 115.0 |
| 141     | 44.0  | 31.4  | 47.2  |

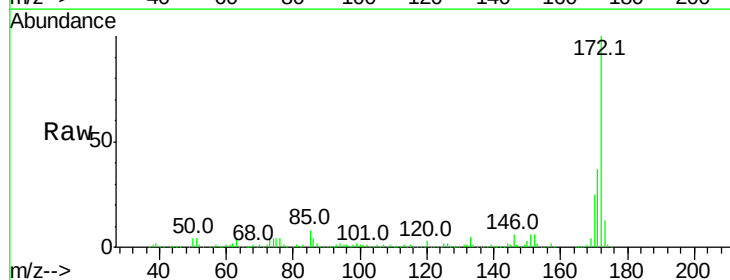


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

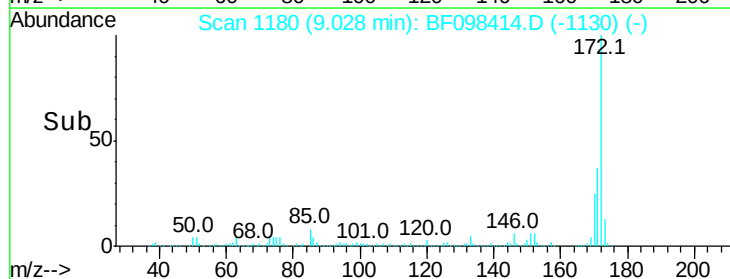
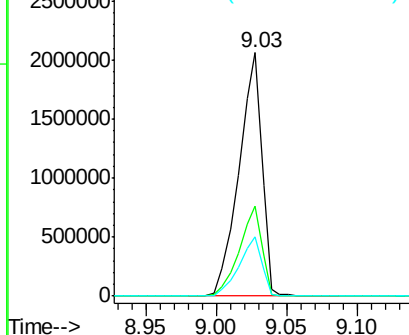


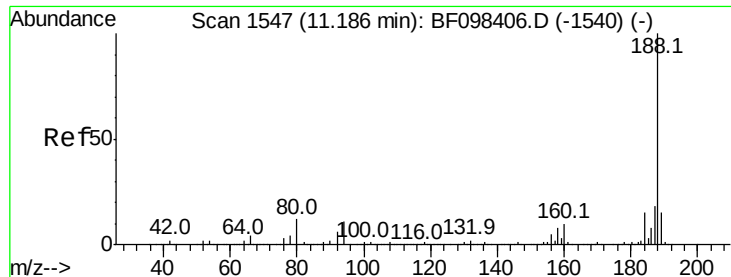
#44  
 2-Fluorobiphenyl  
 Concen: 95.670 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF098414.D  
 Acq: 11 Sep 2017 20:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.6  | 44.4  |
| 170     | 24.5  | 19.8  | 29.8  |



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

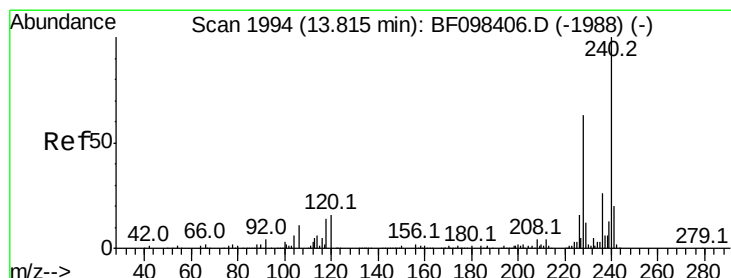
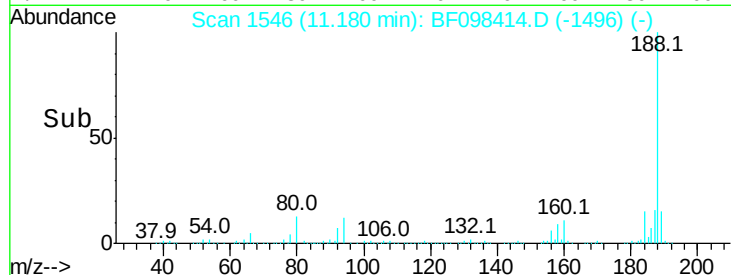
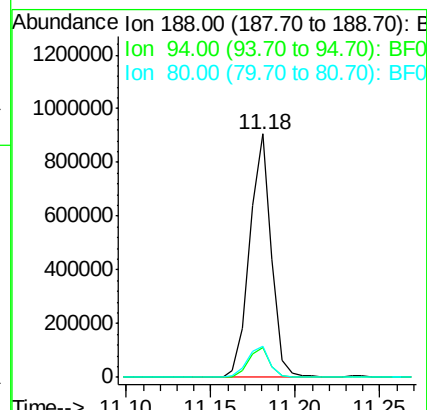
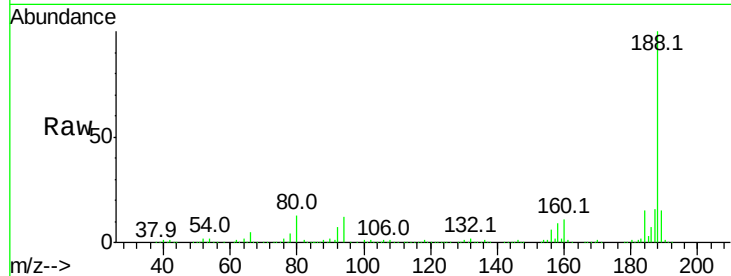




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.18 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BF098414.D  
Acq: 11 Sep 2017 20:53

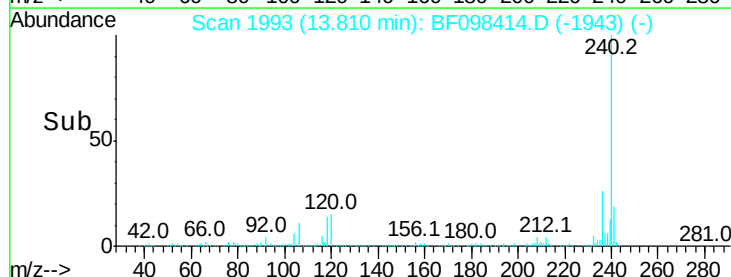
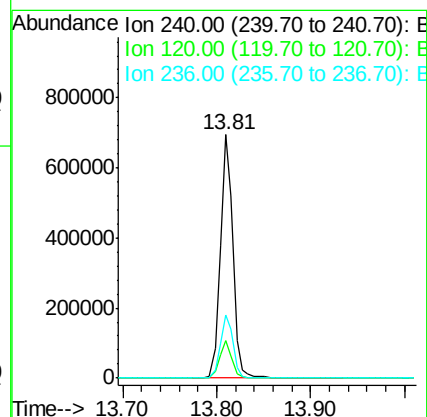
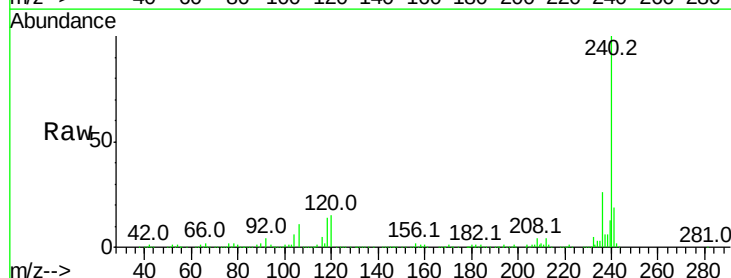
Instrument :  
BNA\_F  
ClientSampleId :  
PB102184BL

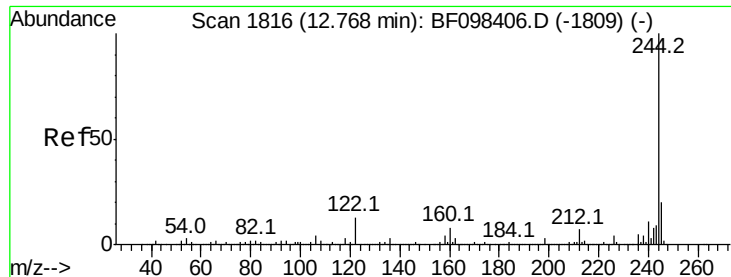
Tot Ion:188 Resp: 812450  
Ion Ratio Lower Upper  
188 100  
94 12.0 9.4 14.2  
80 12.6 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.81 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BF098414.D  
Acq: 11 Sep 2017 20:53

Tgt Ion:240 Resp: 653836  
Ion Ratio Lower Upper  
240 100  
120 15.4 5.8 8.8#  
236 26.2 20.5 30.7





#78

Terphenyl-d14

Concen: 73.208 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF098414.D

Acq: 11 Sep 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

PB102184BL

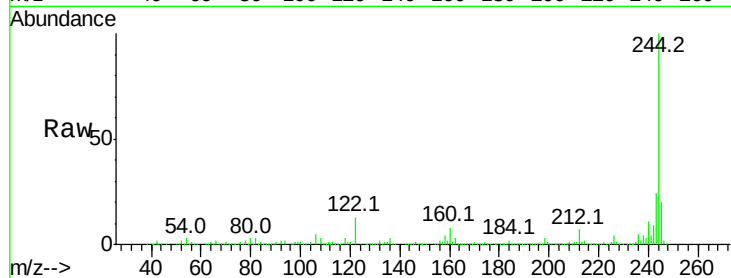
Tot Ion:244 Resp: 2217605

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

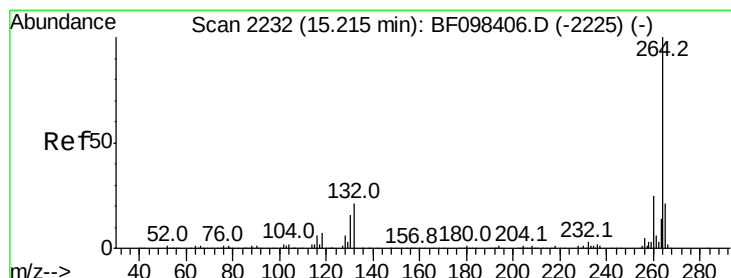
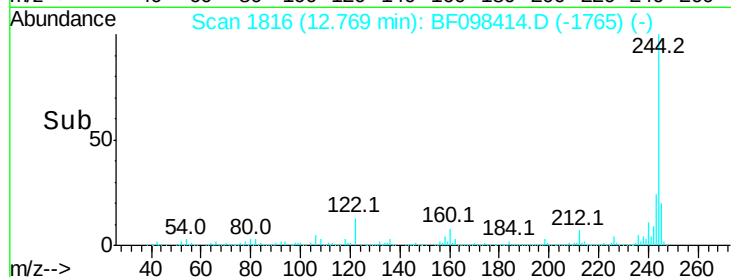
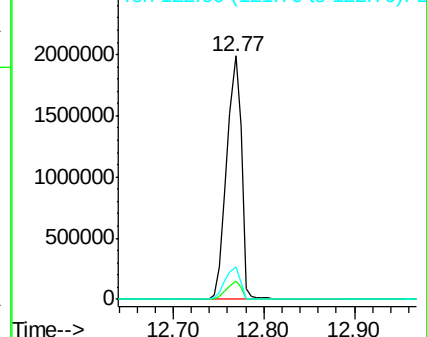
122 13.1 10.3 15.5



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: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098414.D

Acq: 11 Sep 2017 20:53

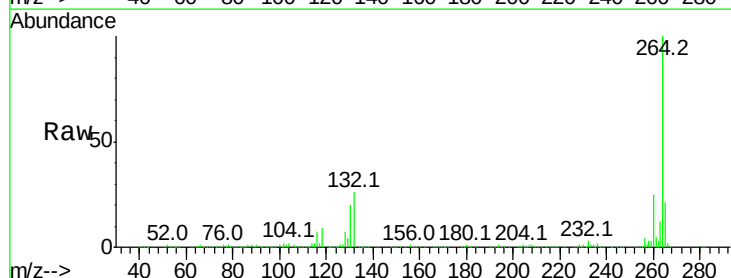
Tgt Ion:264 Resp: 568664

Ion Ratio Lower Upper

264 100

260 25.5 19.5 29.3

265 21.1 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

