

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\  
 Data File : BF095211.D  
 Acq On : 18 May 2017 7:02  
 Operator : SJ/MA  
 Sample : PB99041BL  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99041BL

Quant Time: May 18 07:39:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 04:48:06 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 84587    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.79  | 136  | 333118   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.62 | 164  | 126201   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 15.02 | 188  | 203891   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 18.69 | 240  | 175216   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 20.37 | 264  | 127588   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.74  | 112  | 721405   | 142.19 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 866306   | 142.31 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.67  | 82   | 472124   | 89.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 13.92 | 330  | 134085   | 129.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.56 | 172  | 877839   | 100.12 | ng    | 0.00     |
| 78) Terphenyl-d14           | 17.34 | 244  | 626766   | 78.79  | ng    | 0.00     |

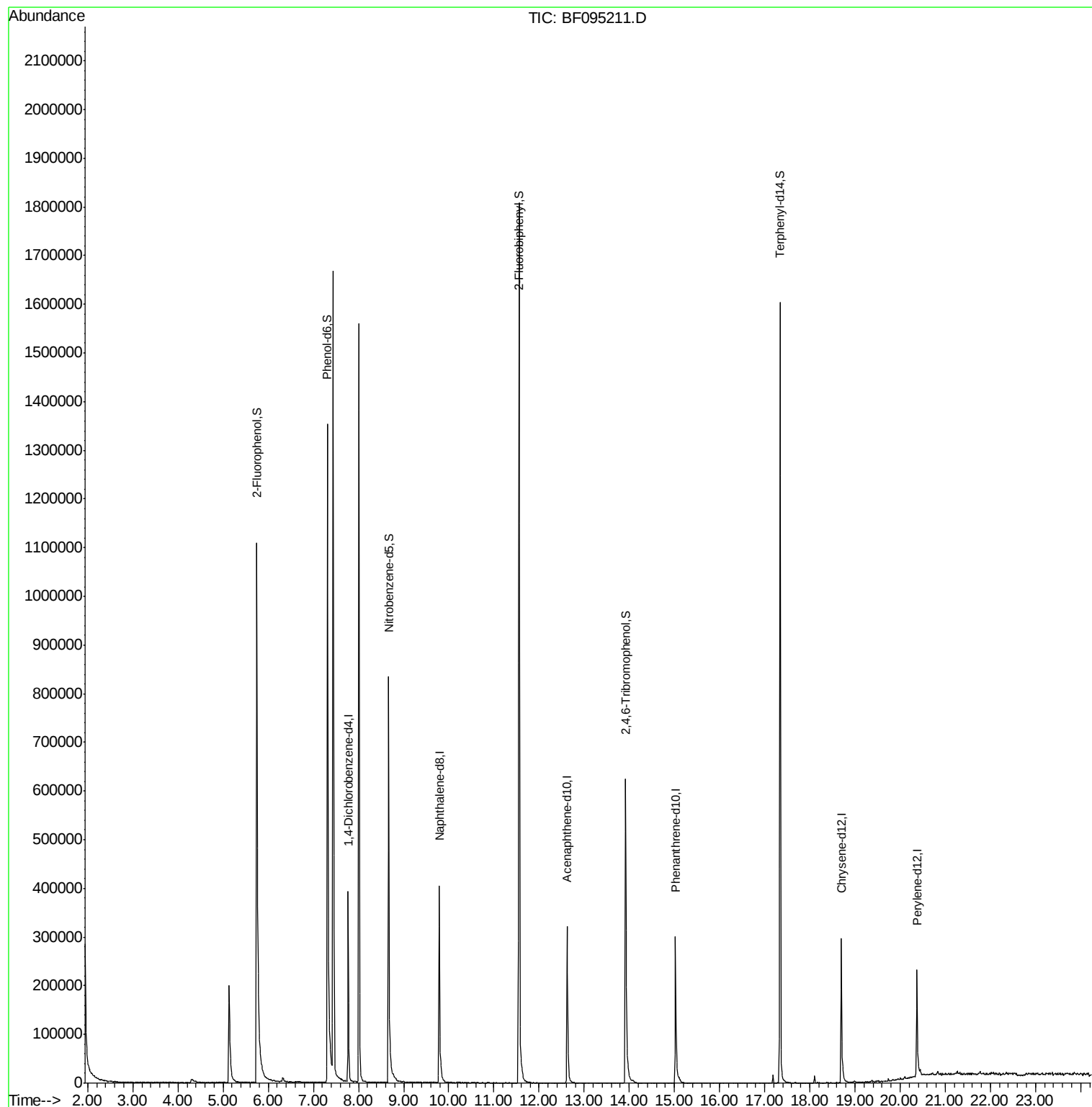
Target Compounds Qvalue

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

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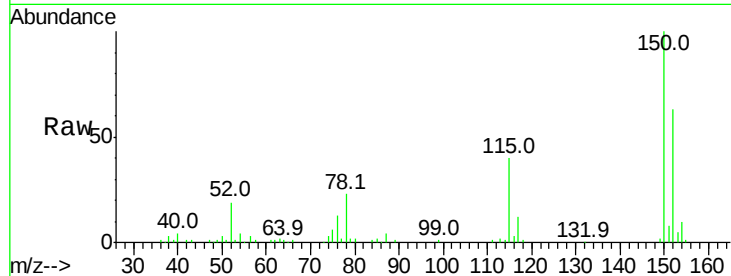


#1

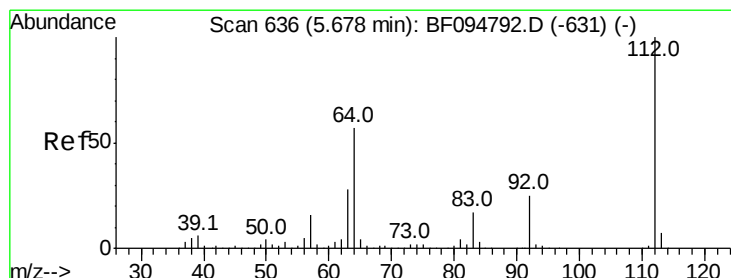
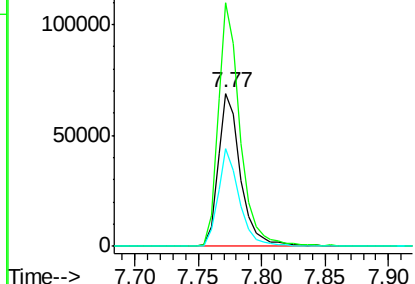
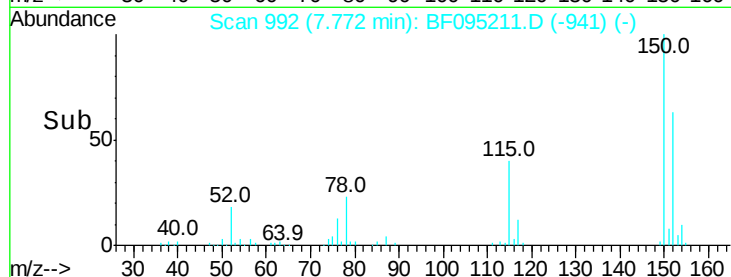
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: BF095211.D  
Acq: 18 May 2017 7:02

Instrument :  
BNA\_F  
ClientSampled :  
PB99041BL

Tot Ion:152 Resp: 84587  
Ion Ratio Lower Upper  
152 100  
150 158.9 126.2 189.2  
115 63.4 52.2 78.2



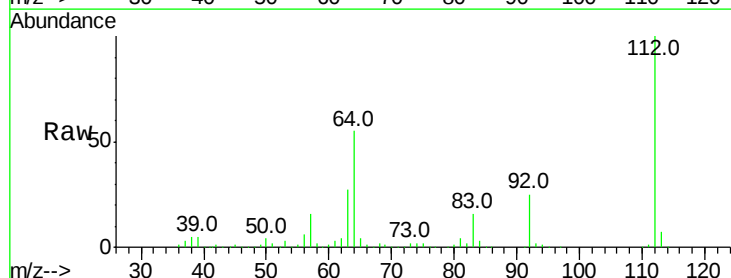
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



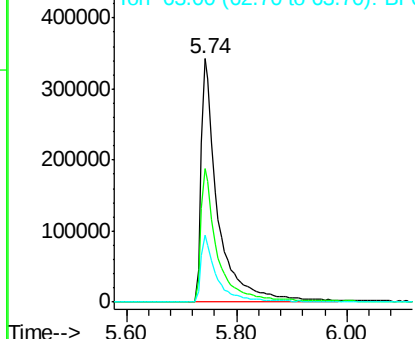
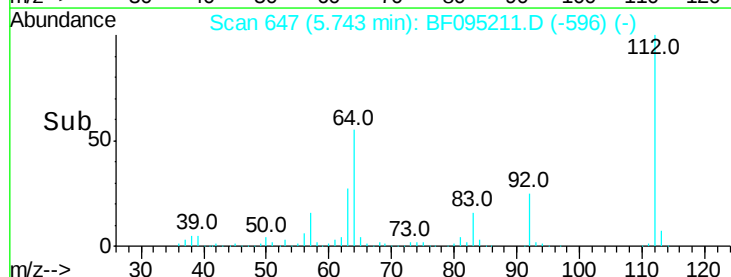
#5

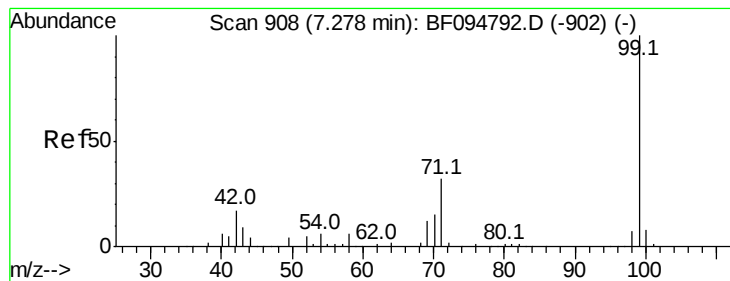
2-Fluorophenol  
Concen: 142.19 ng  
RT: 5.74 min Scan# 647  
Delta R.T. 0.00 min  
Lab File: BF095211.D  
Acq: 18 May 2017 7:02

Tgt Ion:112 Resp: 721405  
Ion Ratio Lower Upper  
112 100  
64 54.8 46.0 69.0  
63 27.5 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: 142.31 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095211.D

Acq: 18 May 2017 7:02

Instrument :

BNA\_F

ClientSampleId :

PB99041BL

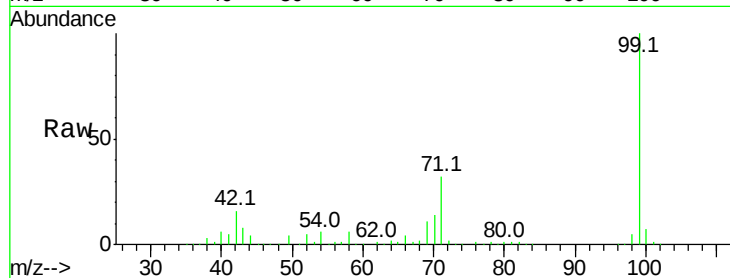
Tot Ion: 99 Resp: 866306

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

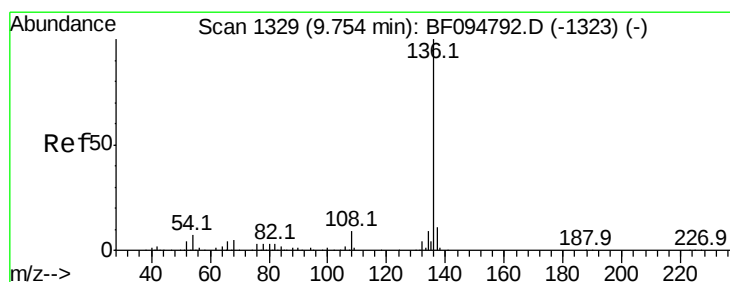
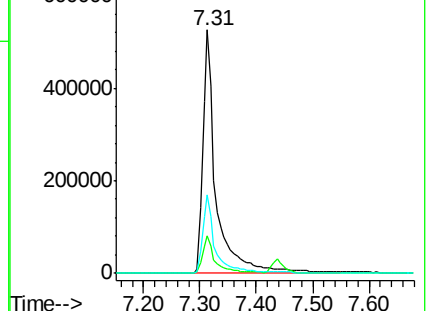
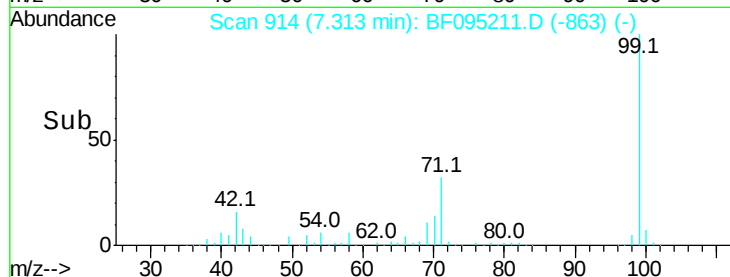
71 32.1 24.5 36.7



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: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF095211.D

Acq: 18 May 2017 7:02

Tgt Ion: 136 Resp: 333118

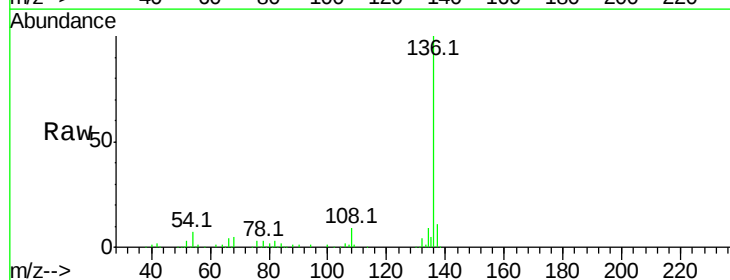
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

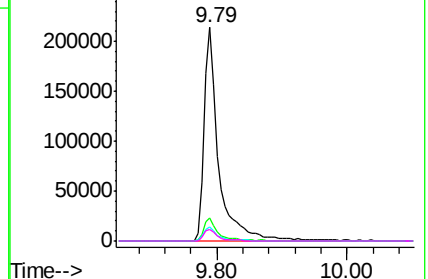
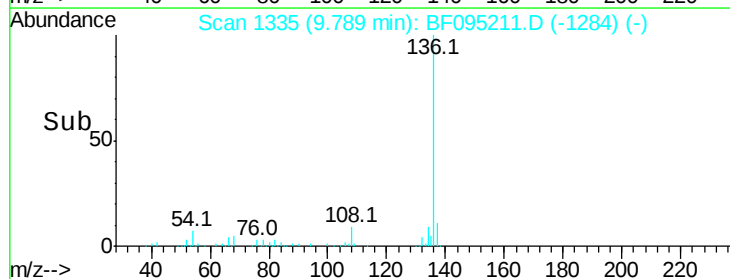


Abundance Ion 136.00 (135.70 to 136.70): E

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

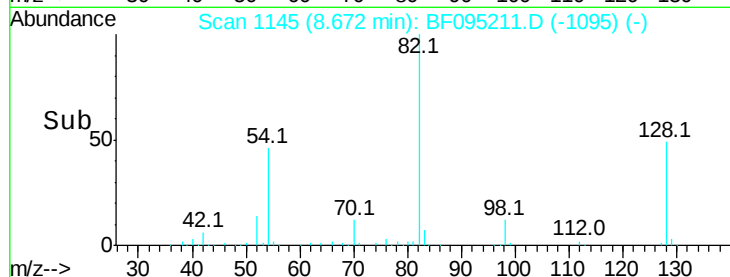
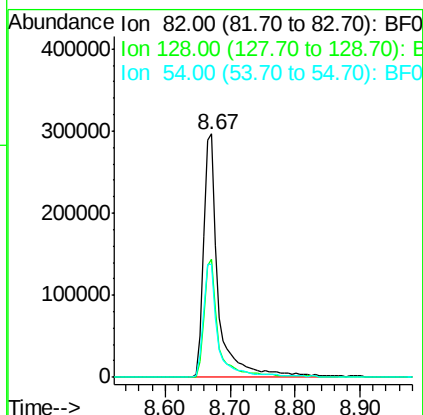
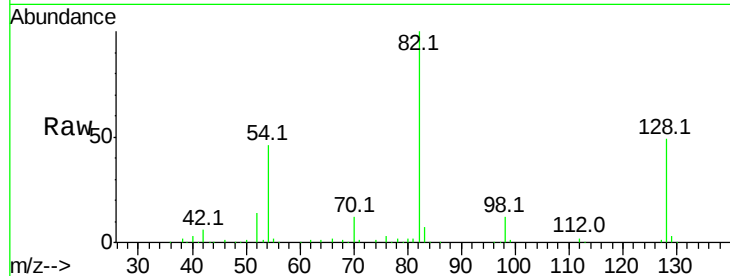




#23  
Nitrobenzene-d5  
Concen: 89.37 ng  
RT: 8.67 min Scan# 1145  
Delta R.T. -0.01 min  
Lab File: BF095211.D  
Acq: 18 May 2017 7:02

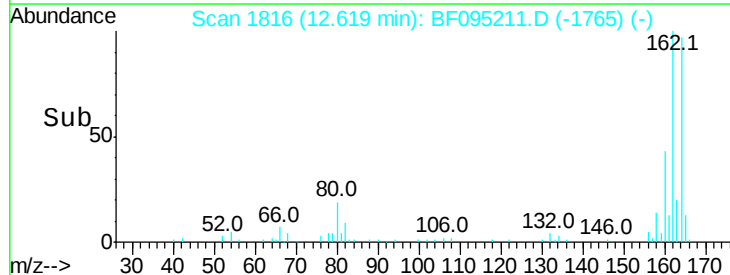
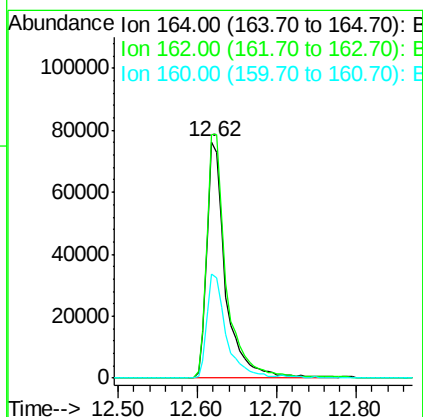
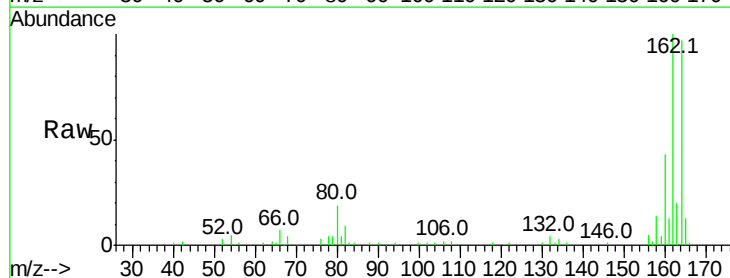
Instrument :  
BNA\_F  
ClientSampleId :  
PB99041BL

Tot Ion: 82 Resp: 472124  
Ion Ratio Lower Upper  
82 100  
128 48.7 34.0 51.0  
54 46.3 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.62 min Scan# 1816  
Delta R.T. 0.00 min  
Lab File: BF095211.D  
Acq: 18 May 2017 7:02

Tgt Ion:164 Resp: 126201  
Ion Ratio Lower Upper  
164 100  
162 103.0 82.6 123.8  
160 43.9 36.2 54.2

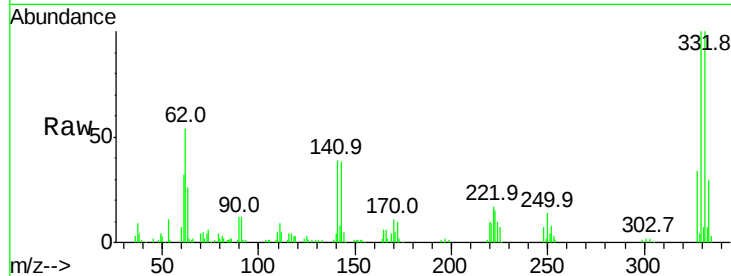




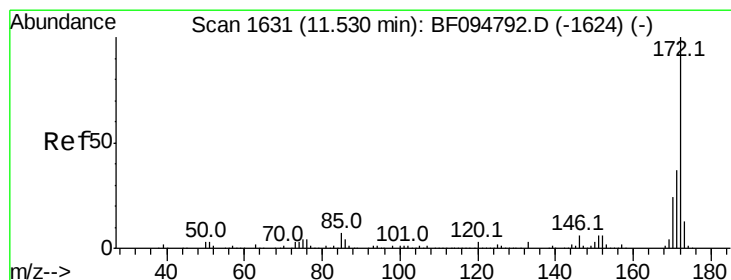
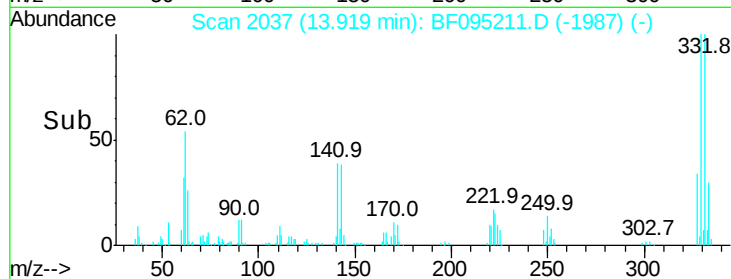
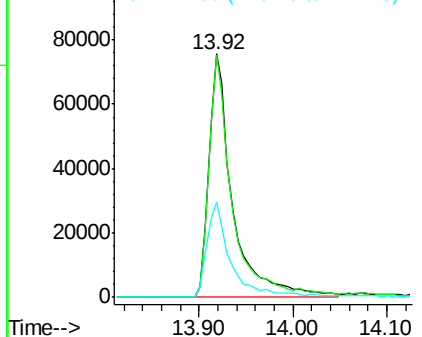
#41  
 2,4,6-Tribromophenol  
 Concen: 129.73 ng  
 RT: 13.92 min Scan# 2037  
 Delta R.T. -0.01 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99041BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 76.6  | 115.0 |
| 141     | 38.7  | 31.4  | 47.2  |

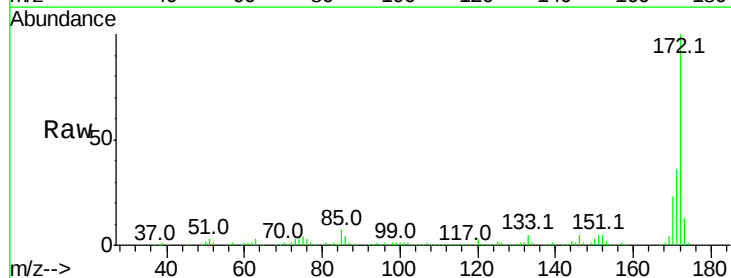


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

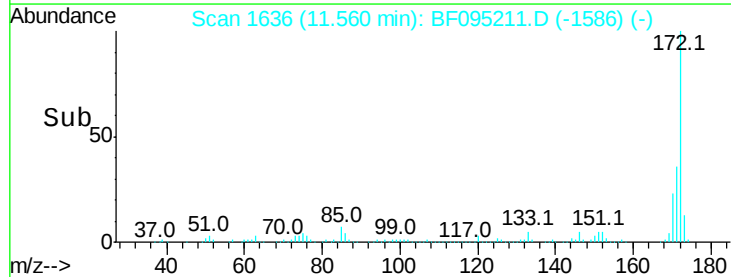
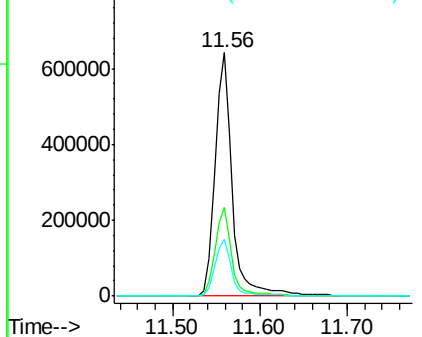


#44  
 2-Fluorobiphenyl  
 Concen: 100.12 ng  
 RT: 11.56 min Scan# 1636  
 Delta R.T. -0.01 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.6  | 44.4  |
| 170     | 23.2  | 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

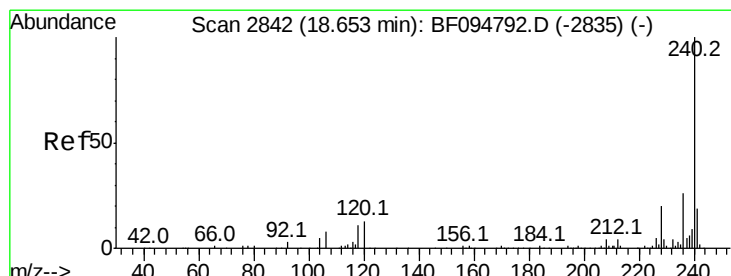
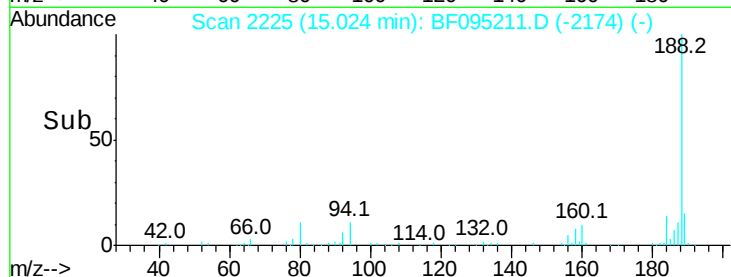
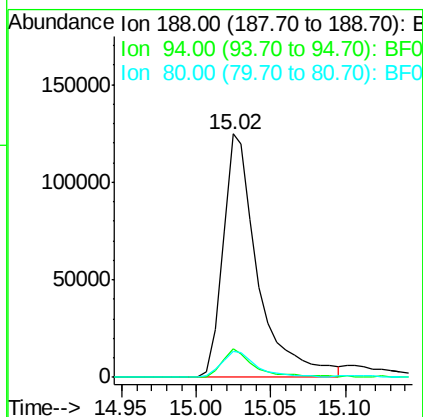
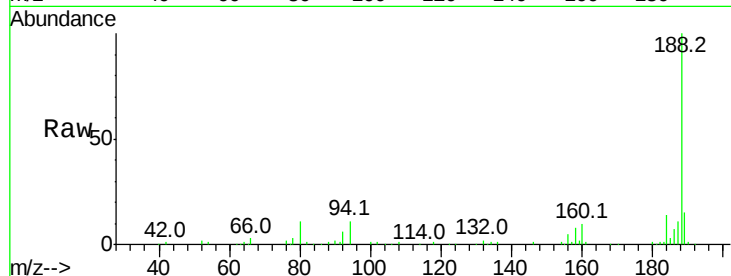




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2225  
 Delta R.T. 0.00 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

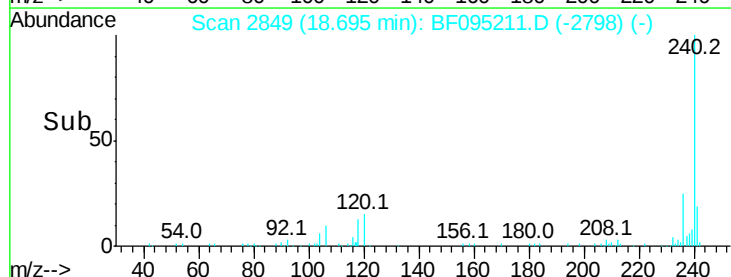
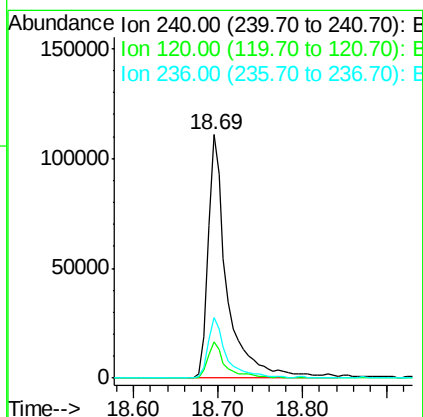
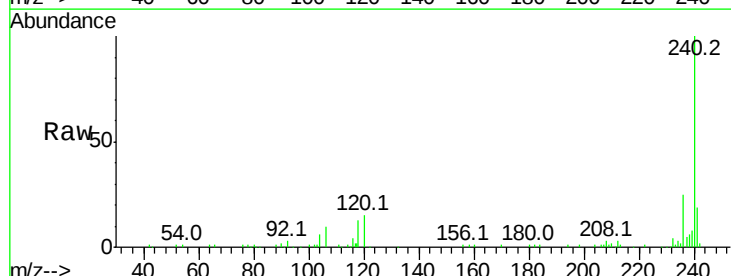
Instrument :  
 BNA\_F  
 ClientSampleId :  
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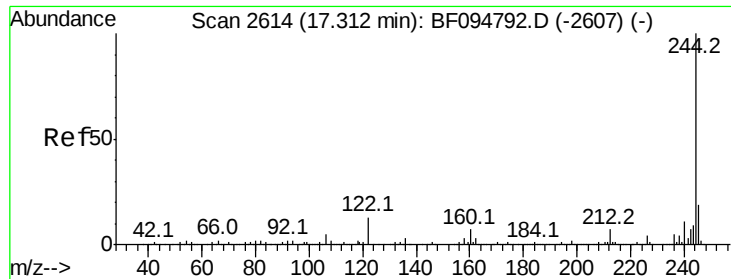
Tot Ion:188 Resp: 203891  
 Ion Ratio Lower Upper  
 188 100  
 94 11.5 9.4 14.2  
 80 10.8 10.2 15.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.69 min Scan# 2849  
 Delta R.T. 0.00 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

Tgt Ion:240 Resp: 175216  
 Ion Ratio Lower Upper  
 240 100  
 120 15.1 5.8 8.8#  
 236 25.1 20.5 30.7

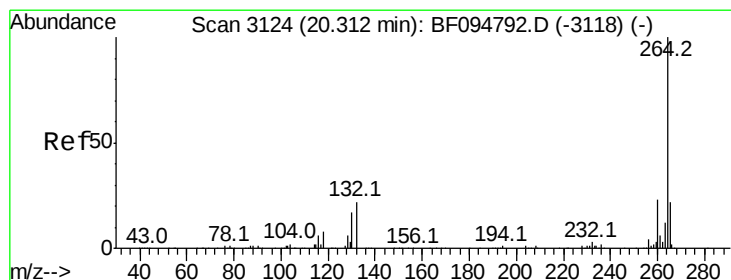
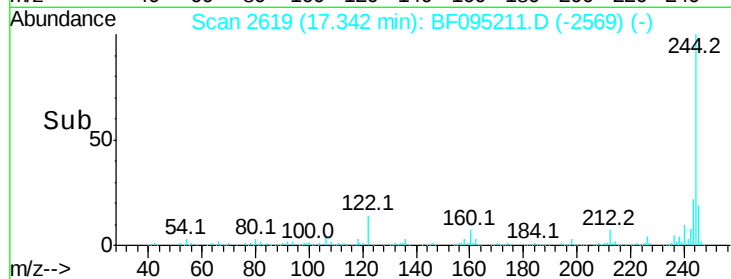
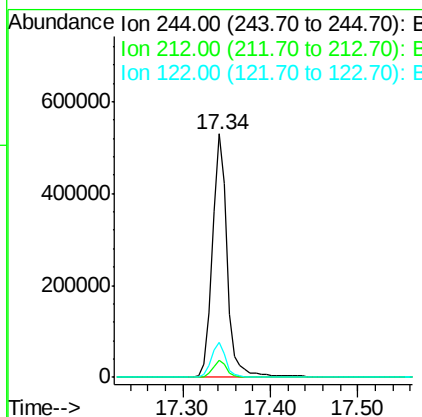
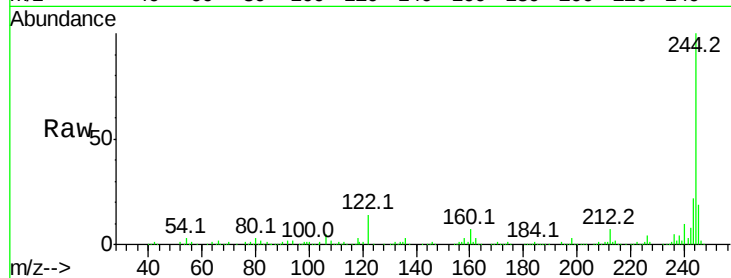




#78  
 Terphenyl-d14  
 Concen: 78.79 ng  
 RT: 17.34 min Scan# 2619  
 Delta R.T. -0.01 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99041BL

Tot Ion:244 Resp: 626766  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 14.4 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.37 min Scan# 3134  
 Delta R.T. 0.00 min  
 Lab File: BF095211.D  
 Acq: 18 May 2017 7:02

Tgt Ion:264 Resp: 127588  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.5 29.3  
 265 21.4 17.2 25.8

