

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\  
 Data File : BF096195.D  
 Acq On : 24 Jun 2017 17:47  
 Operator : SJ/MA  
 Sample : I3851-03 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-30-0-1.5

Quant Time: Jun 26 02:45:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 62956    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 9.30  | 136  | 241430   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 12.12 | 164  | 92015    | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10        | 14.52 | 188  | 152835   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 18.26 | 240  | 133511   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 19.93 | 264  | 95530    | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 15095    | 3.82  | ng    | 0.08     |
| 7) Phenol-d6                | 6.97  | 99   | 28142    | 5.95  | ng    | 0.09     |
| 23) Nitrobenzene-d5         | 8.25  | 82   | 14849    | 3.82  | ng    | 0.02     |
| 41) 2,4,6-Tribromophenol    | 13.46 | 330  | 2583     | 3.17  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.08 | 172  | 50863    | 7.69  | ng    | -0.03    |
| 78) Terphenyl-d14           | 16.90 | 244  | 38134    | 7.09  | ng    | -0.03    |

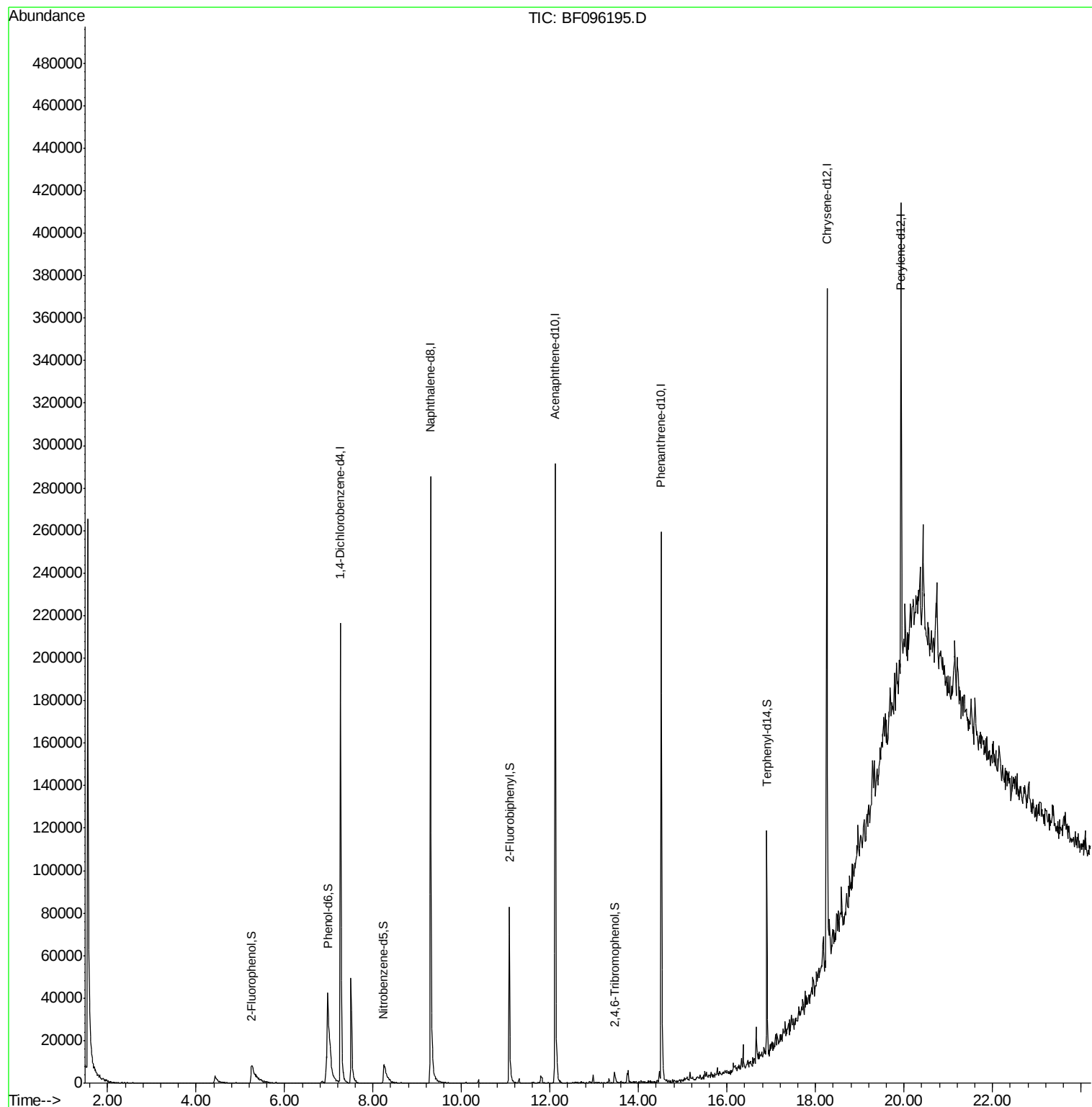
Target Compounds Qvalue

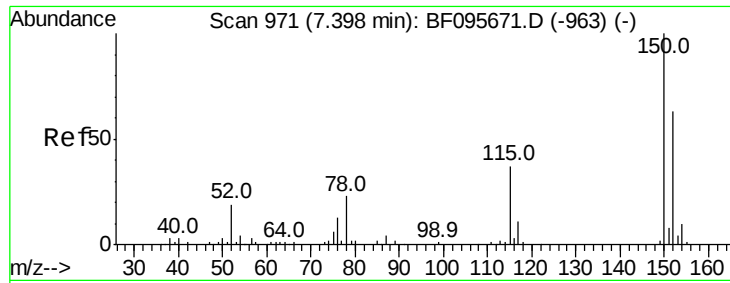
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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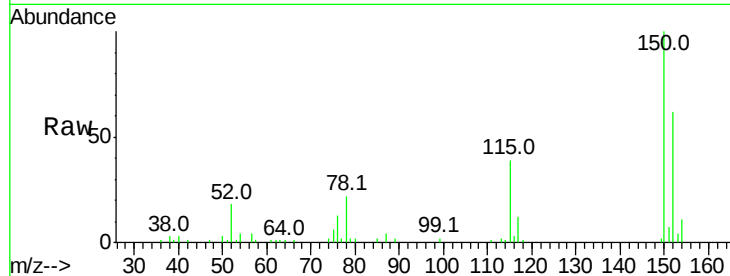


#1

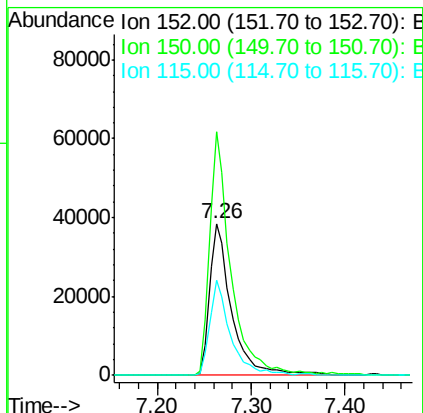
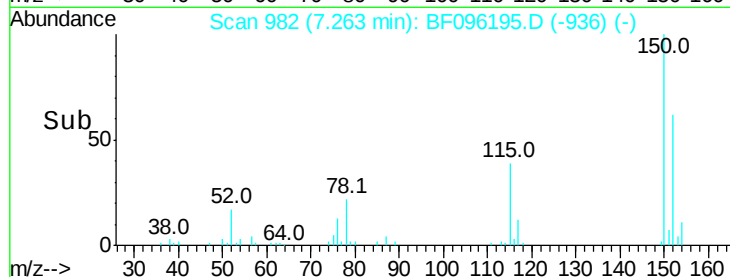
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.26 min Scan# 982  
 Delta R.T. -0.03 min  
 Lab File: BF096195.D  
 Acq: 24 Jun 2017 17:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-30-0-1.5

Tot Ion:152 Resp: 62956  
 Ion Ratio Lower Upper  
 152 100  
 150 160.5 126.2 189.2  
 115 63.1 52.2 78.2



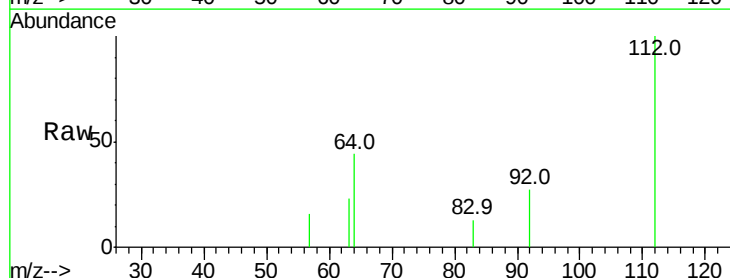
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



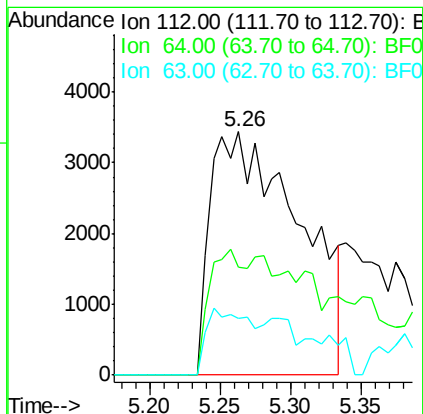
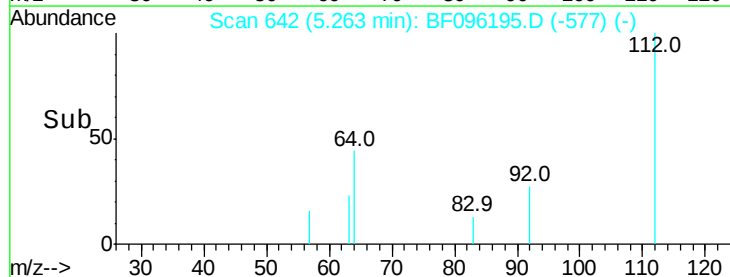
#5

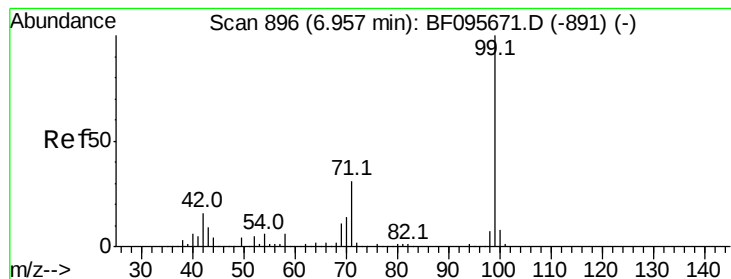
2-Fluorophenol  
 Concen: 3.82 ng  
 RT: 5.26 min Scan# 642  
 Delta R.T. 0.08 min  
 Lab File: BF096195.D  
 Acq: 24 Jun 2017 17:47

Tgt Ion:112 Resp: 15095  
 Ion Ratio Lower Upper  
 112 100  
 64 44.2 46.0 69.0#  
 63 23.5 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: 5.95 ng

RT: 6.97 min Scan# 932

Delta R.T. 0.09 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

Instrument :

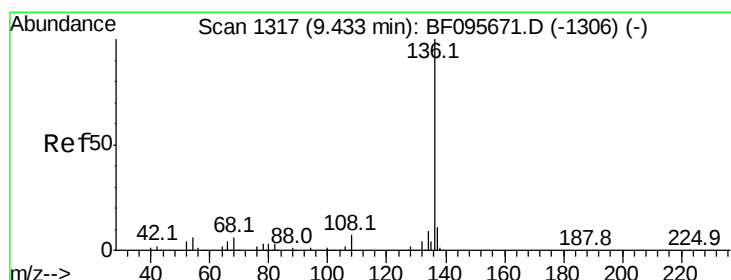
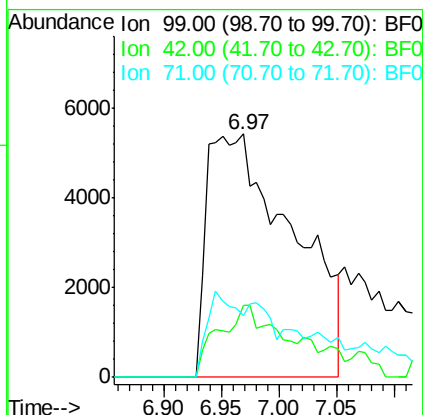
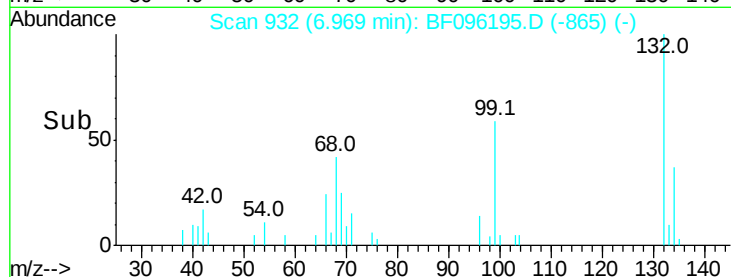
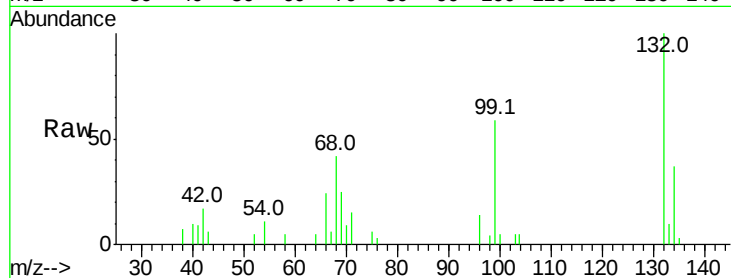
BNA\_F

ClientSampleId :

G-30-0-1.5

Tot Ion: 99 Resp: 28142

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 29.4  | 13.5  | 20.3# |
| 71  | 25.2  | 24.5  | 36.7  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.30 min Scan# 1328

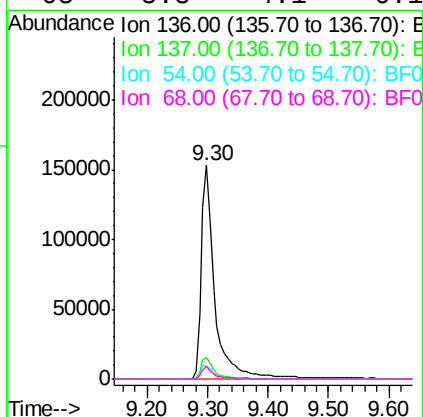
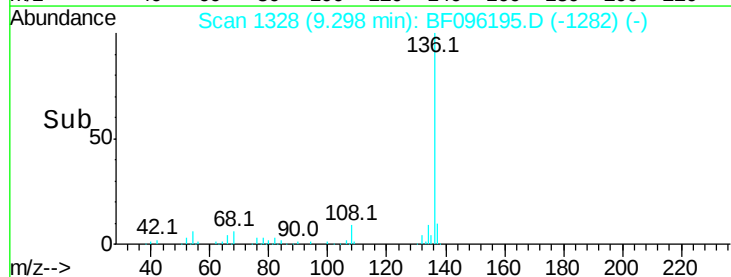
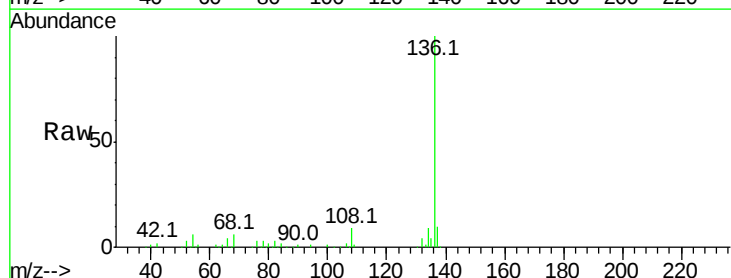
Delta R.T. -0.03 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

Tgt Ion: 136 Resp: 241430

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.2  | 8.5   | 12.7  |
| 54  | 6.3   | 4.9   | 7.3   |
| 68  | 5.8   | 4.1   | 6.1   |

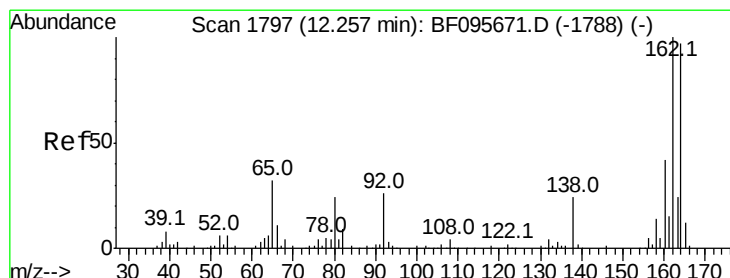
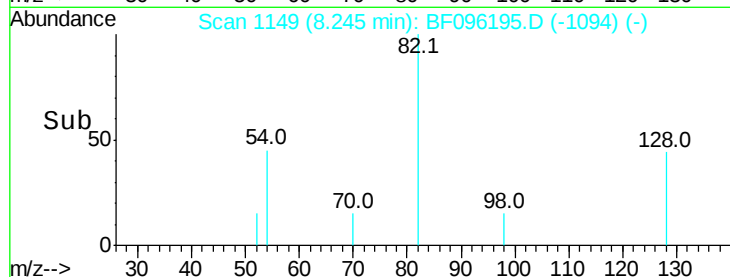
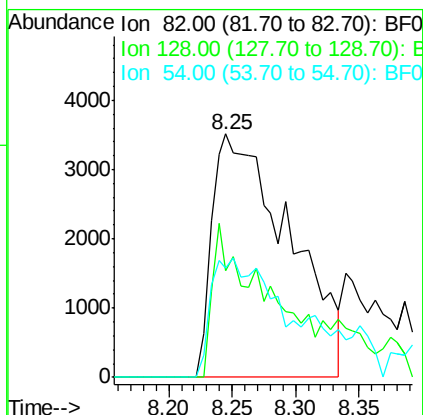
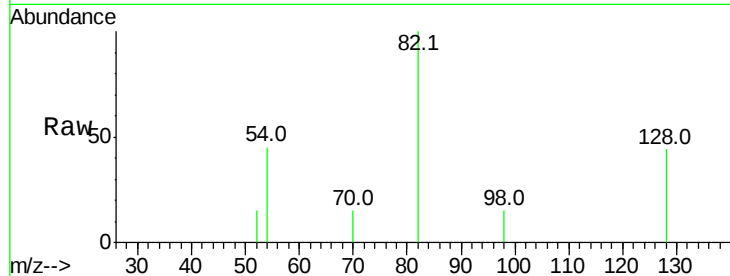




#23  
Nitrobenzene-d5  
Concen: 3.82 ng  
RT: 8.25 min Scan# 1149  
Delta R.T. 0.02 min  
Lab File: BF096195.D  
Acq: 24 Jun 2017 17:47

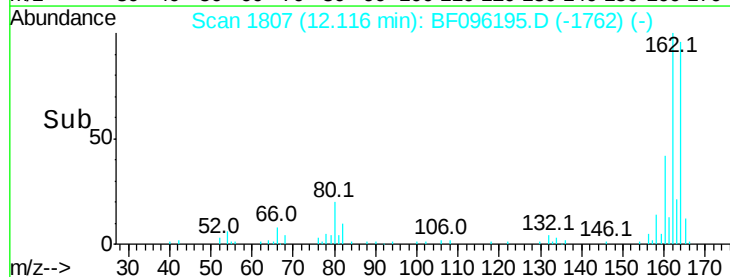
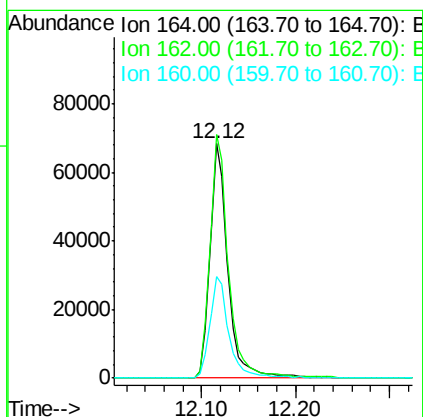
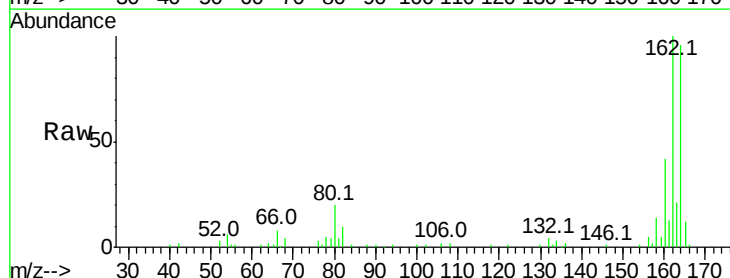
Instrument :  
BNA\_F  
ClientSampleId :  
G-30-0-1.5

Tot Ion: 82 Resp: 14849  
Ion Ratio Lower Upper  
82 100  
128 43.9 34.0 51.0  
54 44.9 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.12 min Scan# 1807  
Delta R.T. -0.04 min  
Lab File: BF096195.D  
Acq: 24 Jun 2017 17:47

Tgt Ion:164 Resp: 92015  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.6 123.8  
160 43.6 36.2 54.2

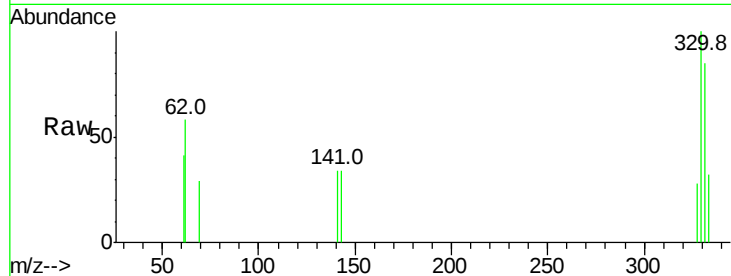




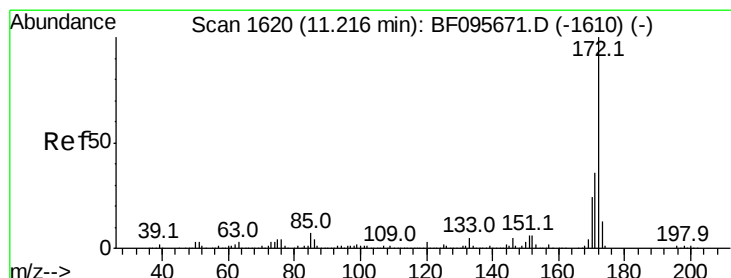
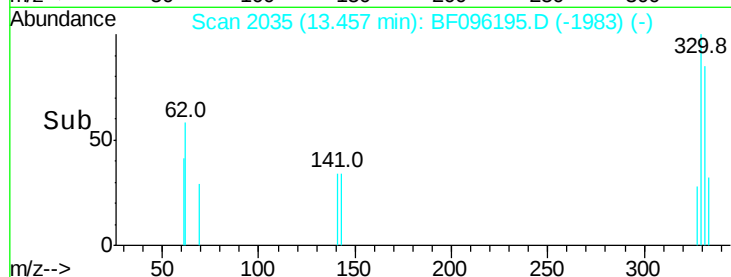
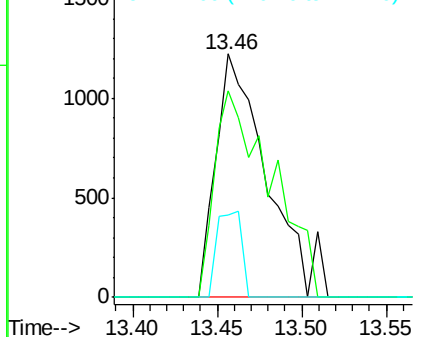
#41  
 2,4,6-Tribromophenol  
 Concen: 3.17 ng  
 RT: 13.46 min Scan# 2035  
 Delta R.T. 0.01 min  
 Lab File: BF096195.D  
 Acq: 24 Jun 2017 17:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-30-0-1.5

Tot Ion:330 Resp: 2583  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 76.6 115.0  
 141 17.1 31.4 47.2#

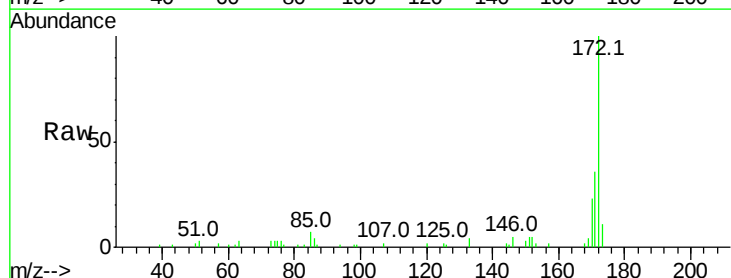


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

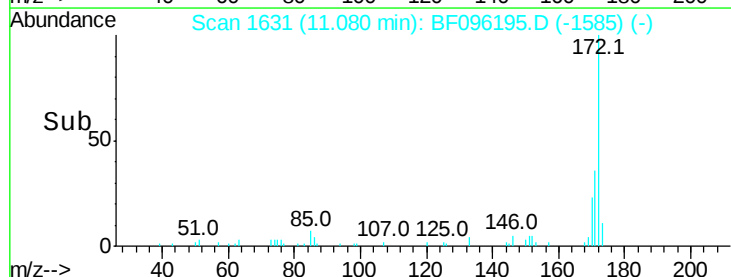
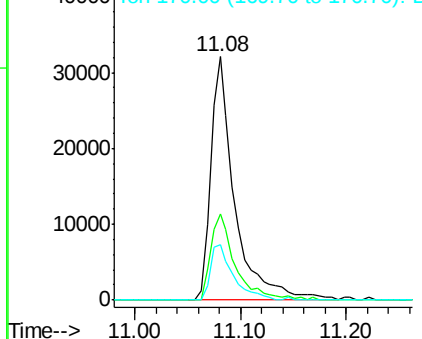


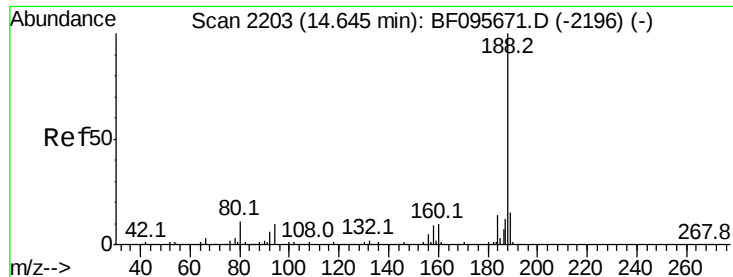
#44  
 2-Fluorobiphenyl  
 Concen: 7.69 ng  
 RT: 11.08 min Scan# 1631  
 Delta R.T. -0.03 min  
 Lab File: BF096195.D  
 Acq: 24 Jun 2017 17:47

Tgt Ion:172 Resp: 50863  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.6 44.4  
 170 22.8 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: 14.52 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

Instrument :

BNA\_F

ClientSampleId :

G-30-0-1.5

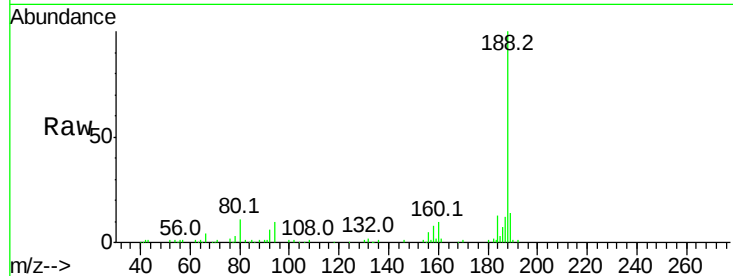
Tot Ion:188 Resp: 152835

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

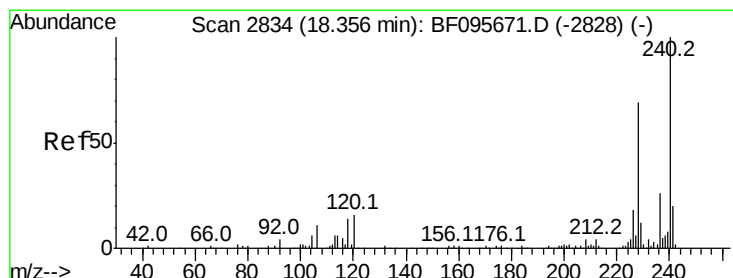
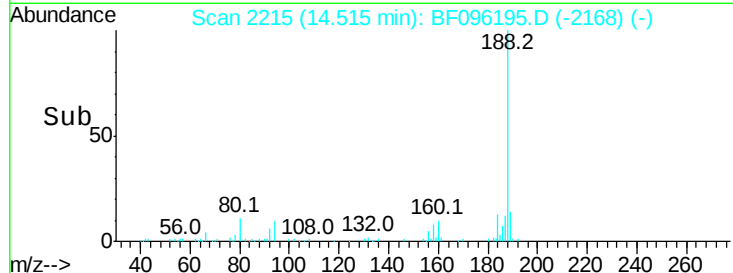
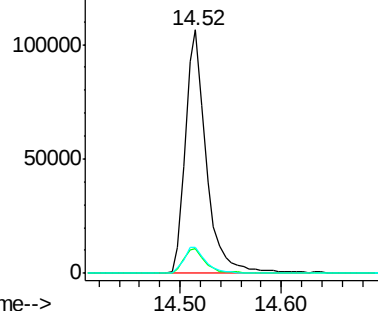
80 10.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

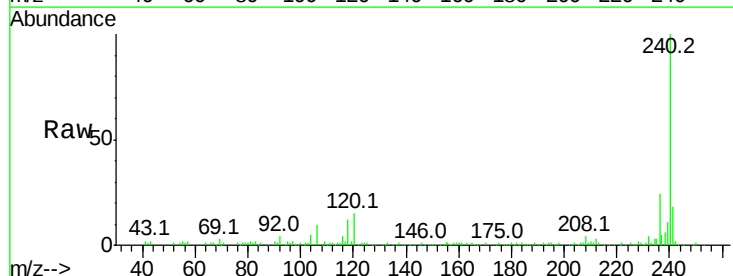
Tgt Ion:240 Resp: 133511

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

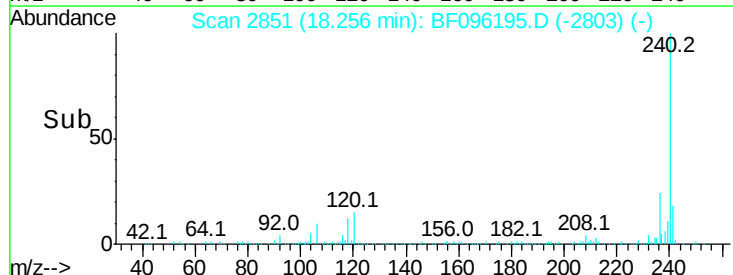
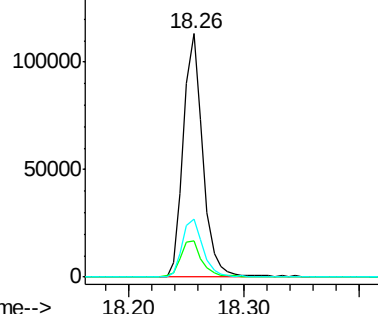
236 24.1 20.5 30.7

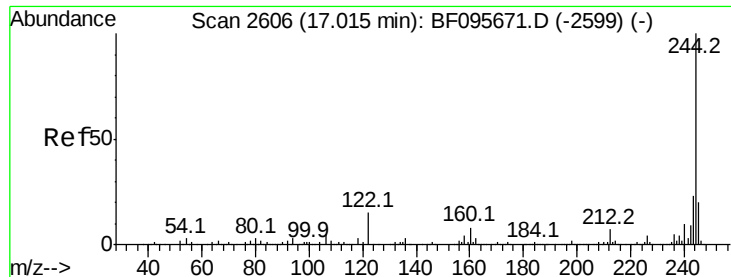


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 7.09 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

Instrument :

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G-30-0-1.5

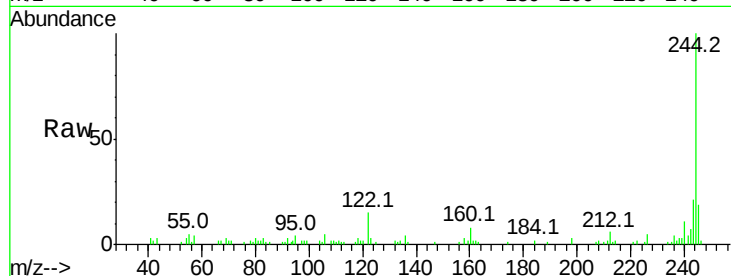
Tot Ion:244 Resp: 38134

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

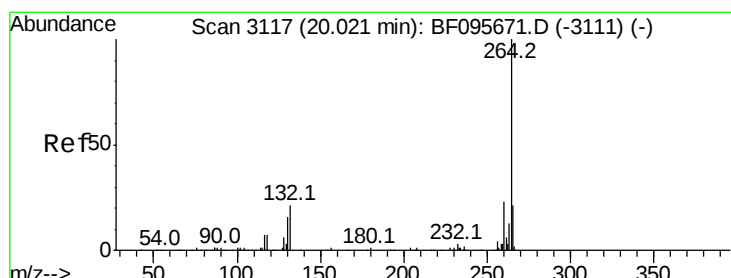
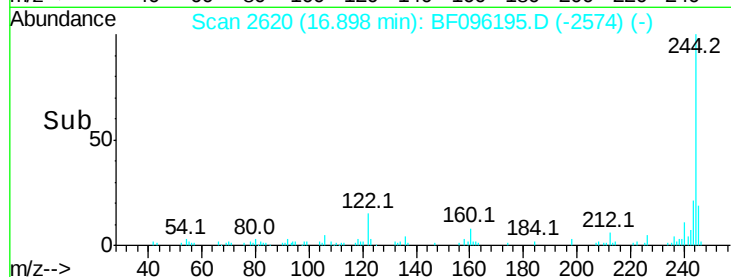
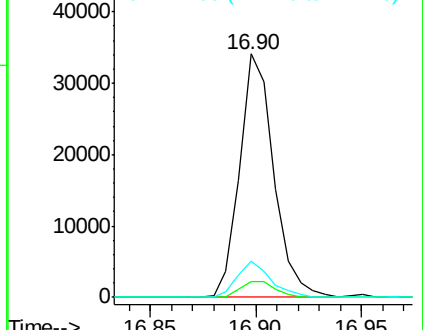
122 14.8 10.3 15.5



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: 20.00 ng

RT: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096195.D

Acq: 24 Jun 2017 17:47

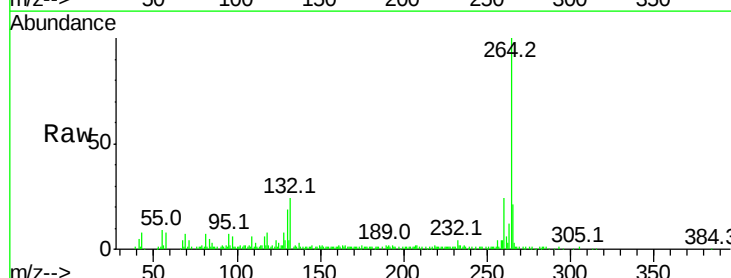
Tgt Ion:264 Resp: 95530

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.3 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

