

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060617\  
 Data File : BF095708.D  
 Acq On : 6 Jun 2017 14:36  
 Operator : SJ/MA  
 Sample : I3444-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-RO-286-060117

Quant Time: Jun 06 17:18:35 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 100068   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.41  | 136  | 394962   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 12.23 | 164  | 187099   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 14.63 | 188  | 335492   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 18.34 | 240  | 328061   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 20.01 | 264  | 231333   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 830466   | 132.24 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 867927   | 115.44 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.30  | 82   | 572220   | 89.98  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 13.53 | 330  | 243722   | 147.23 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 11.20 | 172  | 1196188  | 88.97  | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.01 | 244  | 1089912  | 82.45  | ng    | 0.00     |

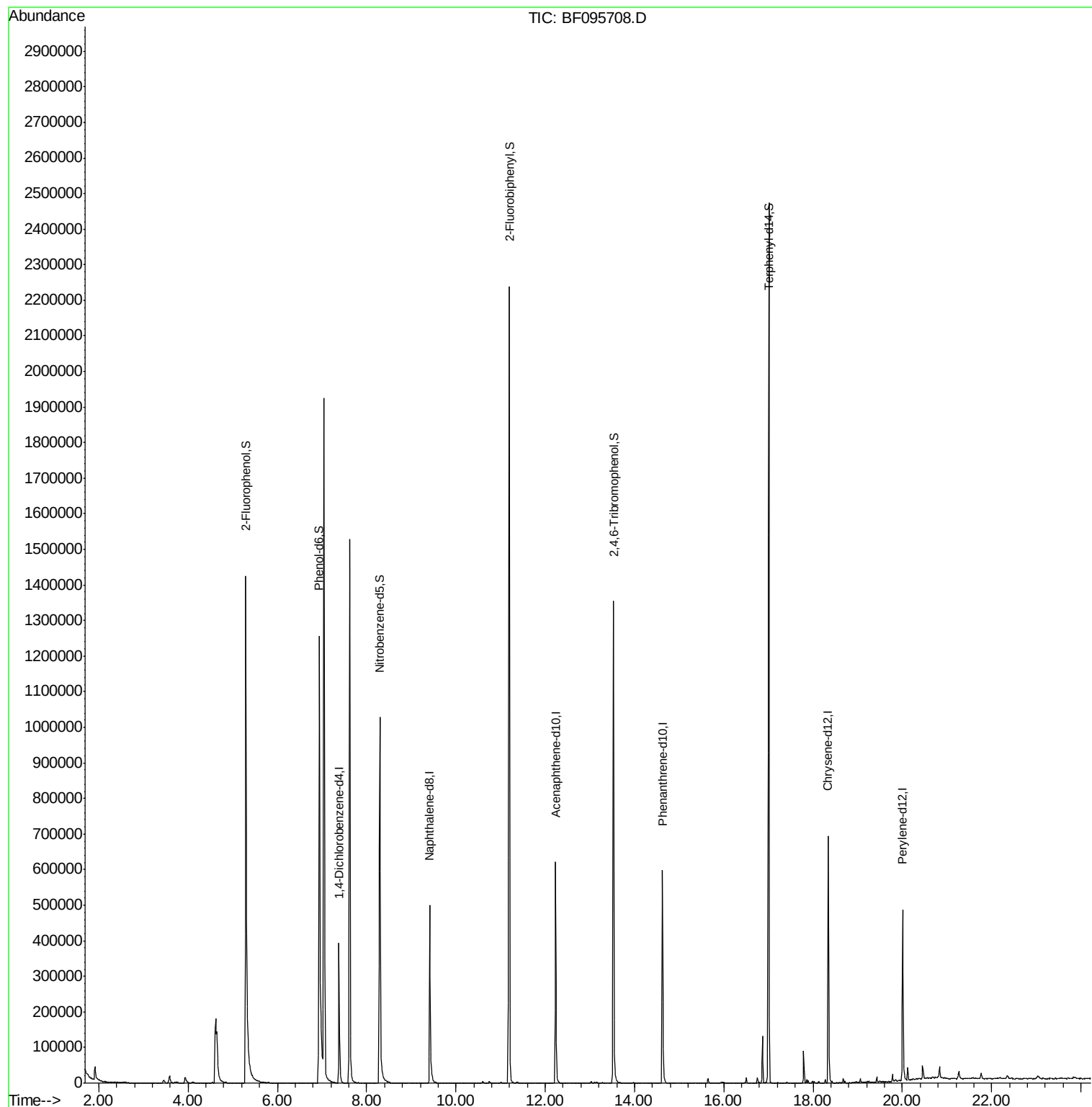
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

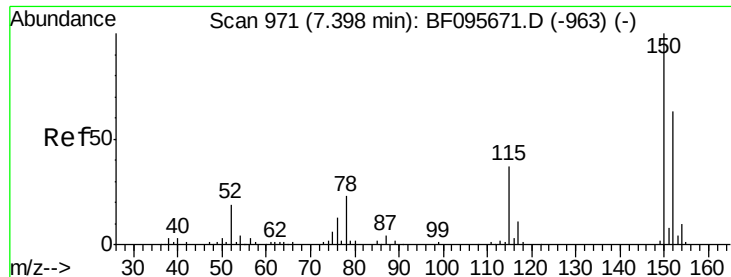
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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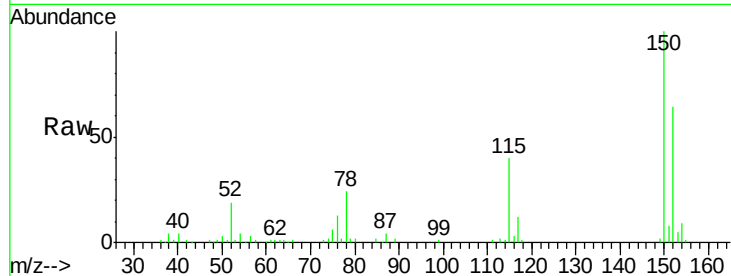


#1

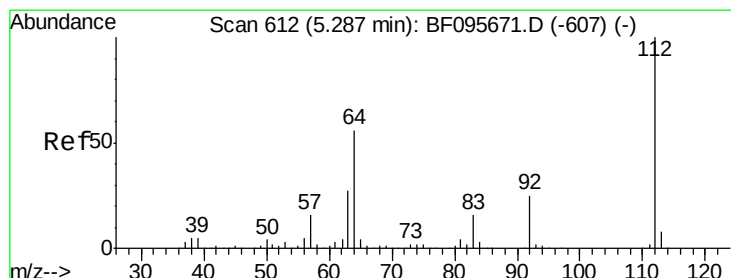
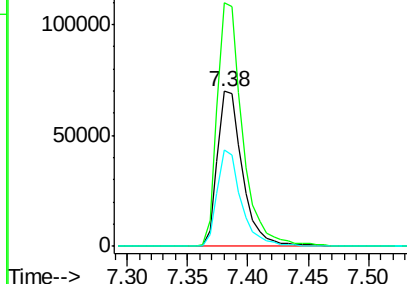
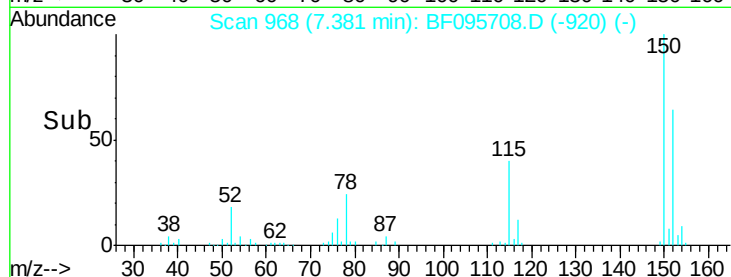
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.38 min Scan# 968  
Delta R.T. -0.02 min  
Lab File: BF095708.D  
Acq: 6 Jun 2017 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
BU-RO-286-060117

Tgt Ion:152 Resp: 100068  
Ion Ratio Lower Upper  
152 100  
150 157.4 126.2 189.2  
115 62.5 52.2 78.2



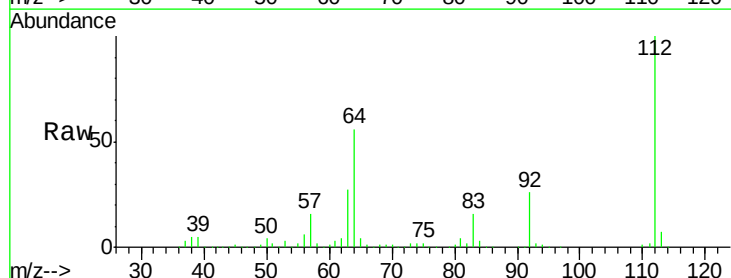
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



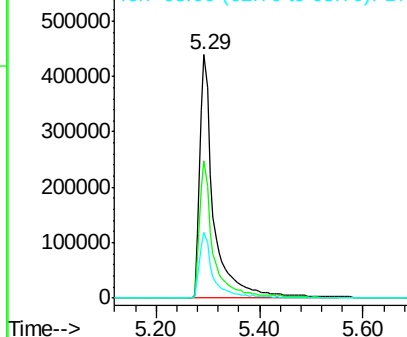
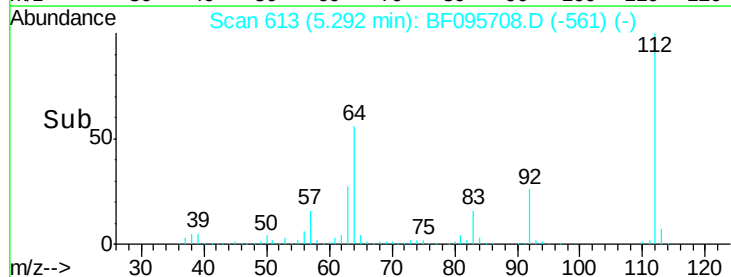
#5

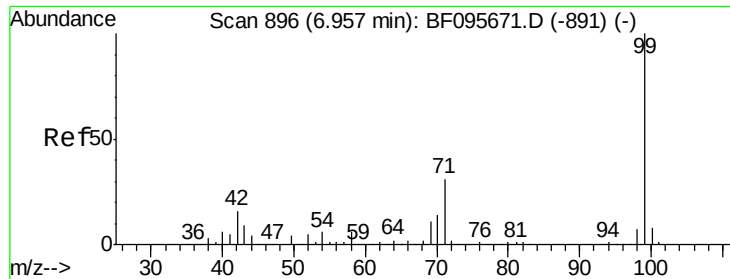
2-Fluorophenol  
Concen: 132.241 ng  
RT: 5.29 min Scan# 613  
Delta R.T. 0.01 min  
Lab File: BF095708.D  
Acq: 6 Jun 2017 14:36

Tgt Ion:112 Resp: 830466  
Ion Ratio Lower Upper  
112 100  
64 56.3 46.0 69.0  
63 27.0 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: 115.444 ng

RT: 6.94 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

Instrument :

BNA\_F

ClientSampleId :

BU-RO-286-060117

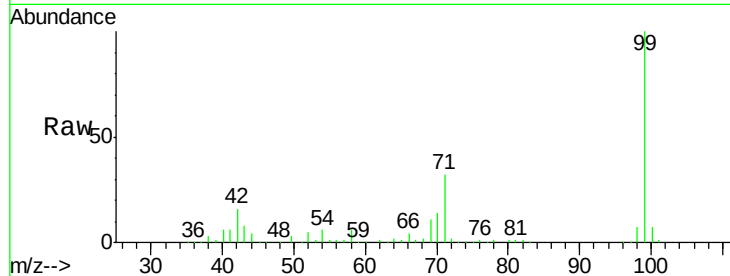
Tgt Ion: 99 Resp: 867927

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

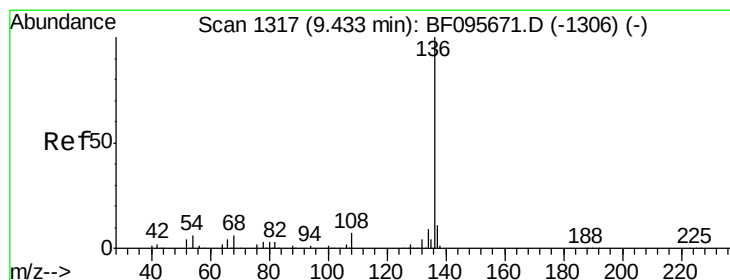
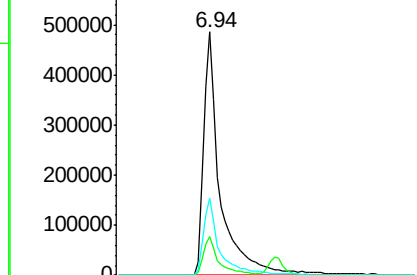
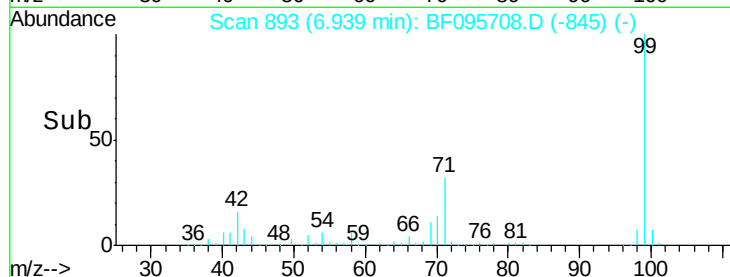
71 31.6 24.5 36.7



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: 9.41 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

Tgt Ion: 136 Resp: 394962

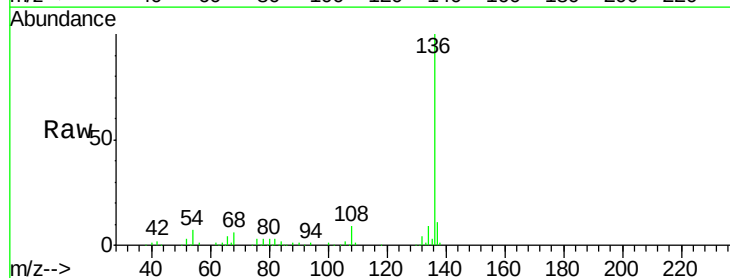
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.6 4.1 6.1

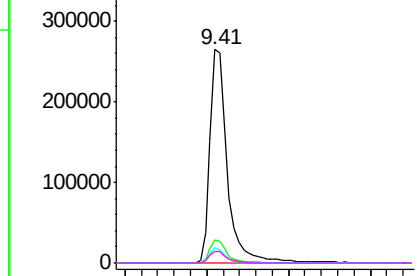
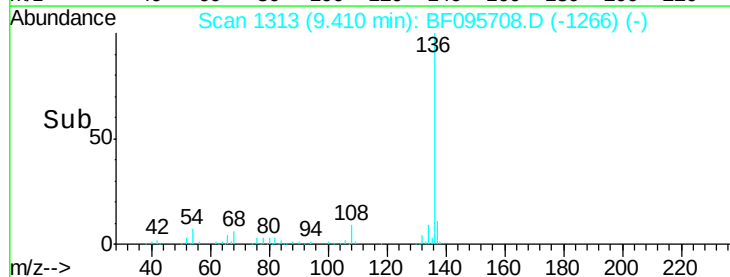


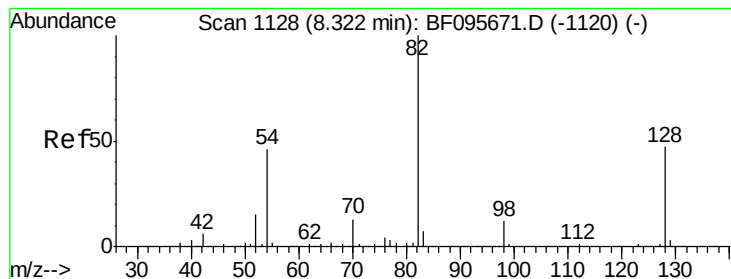
Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.977 ng

RT: 8.30 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

Instrument :

BNA\_F

ClientSampleId :

BU-RO-286-060117

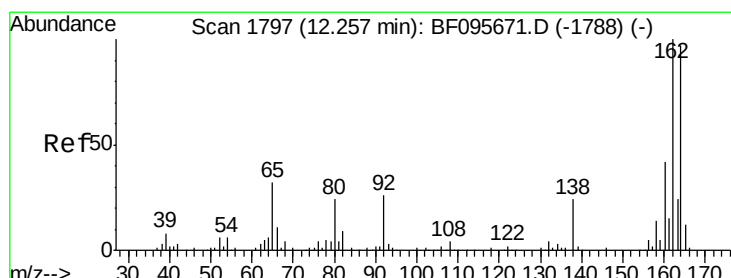
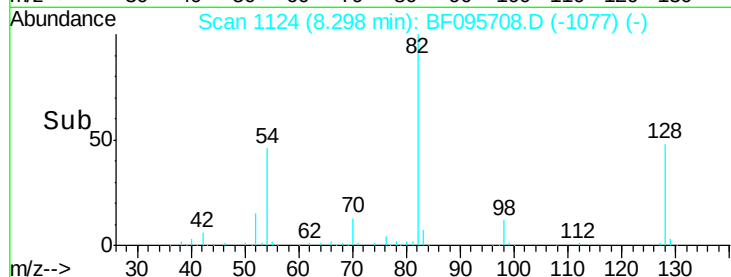
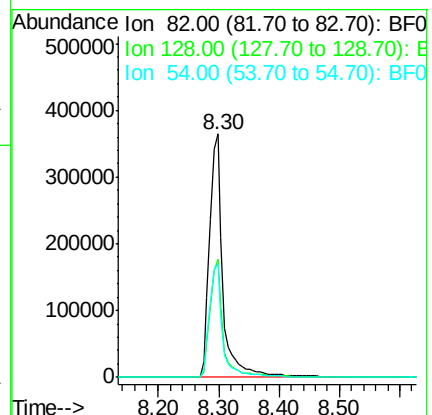
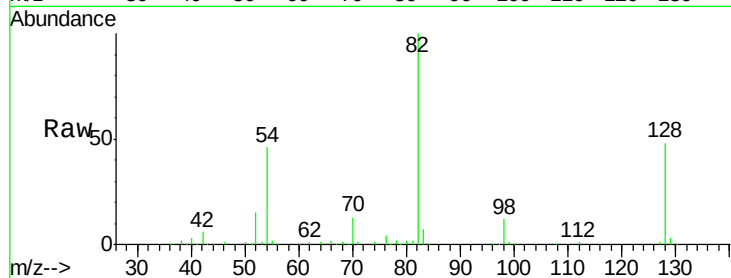
Tgt Ion: 82 Resp: 572220

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

54 46.4 42.2 63.2



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.23 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

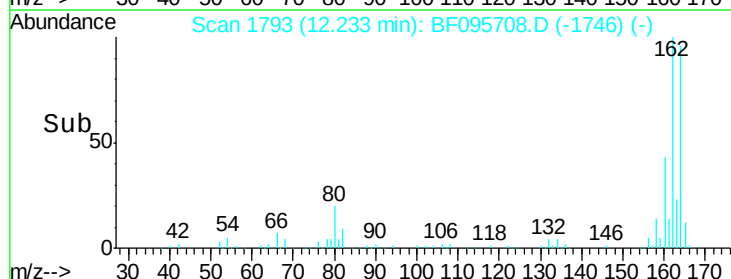
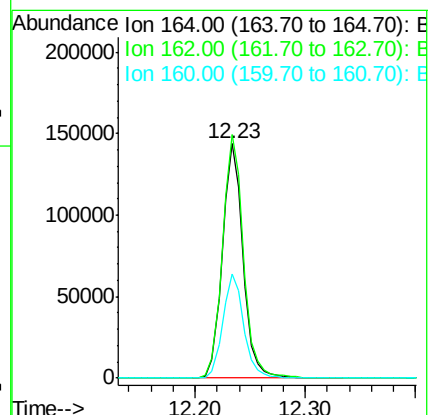
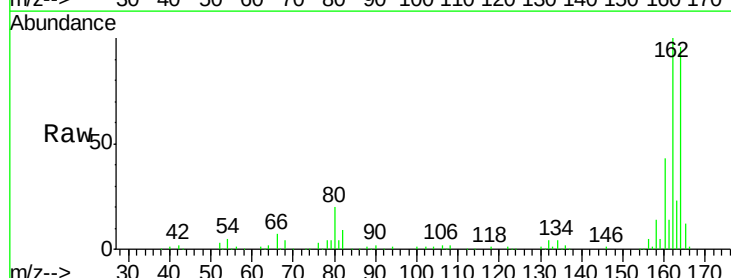
Tgt Ion: 164 Resp: 187099

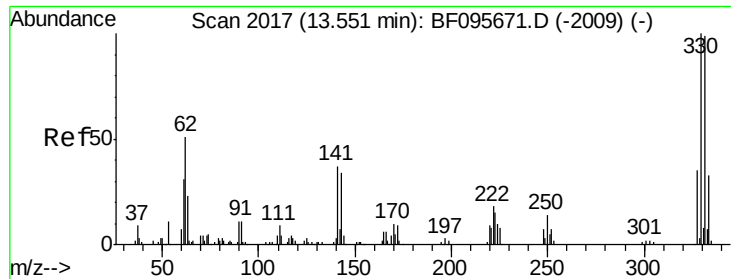
Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

160 44.3 36.2 54.2

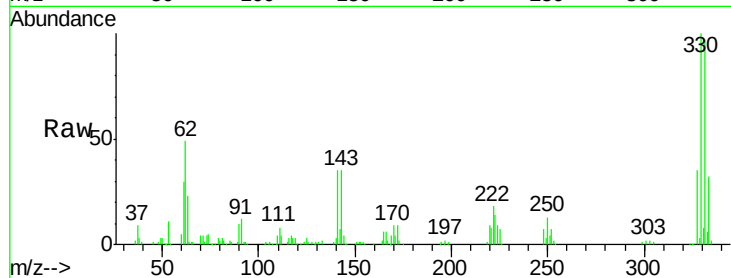




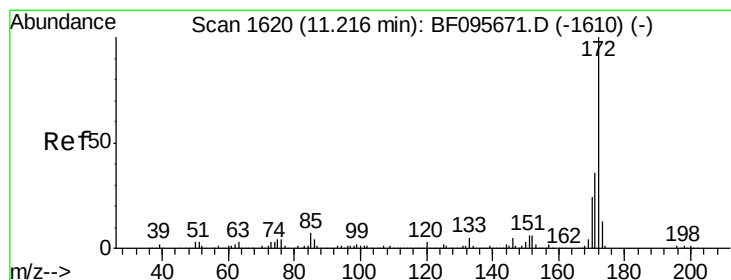
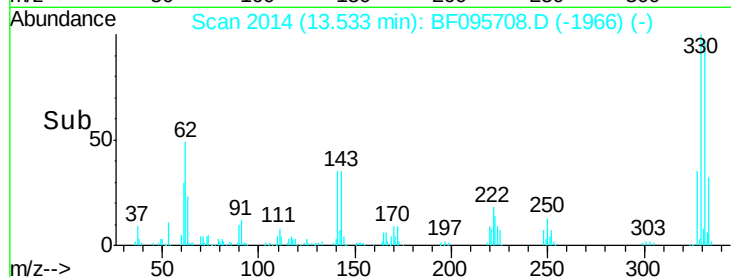
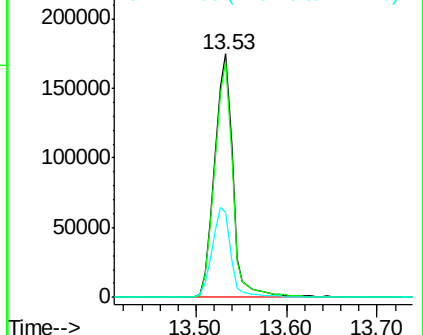
#41  
 2,4,6-Tribromophenol  
 Concen: 147.229 ng  
 RT: 13.53 min Scan# 2014  
 Delta R.T. -0.02 min  
 Lab File: BF095708.D  
 Acq: 6 Jun 2017 14:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-RO-286-060117

Tgt Ion:330 Resp: 243722  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.6 115.0  
 141 38.1 31.4 47.2

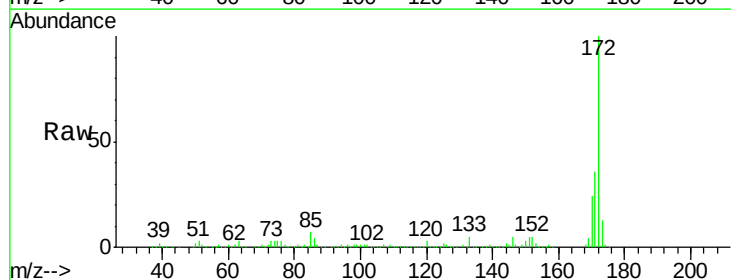


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

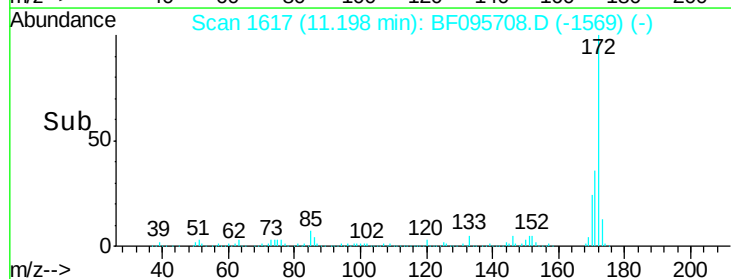
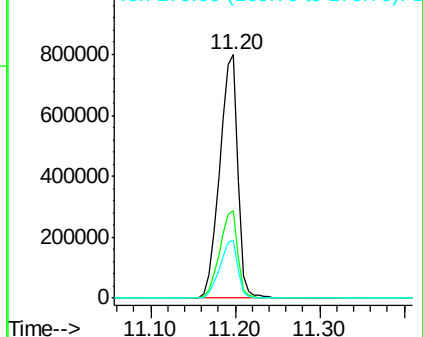


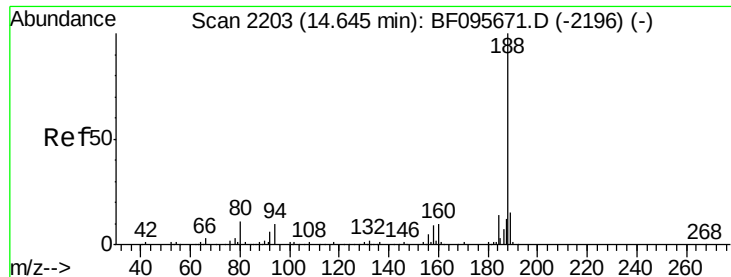
#44  
 2-Fluorobiphenyl  
 Concen: 88.968 ng  
 RT: 11.20 min Scan# 1617  
 Delta R.T. -0.02 min  
 Lab File: BF095708.D  
 Acq: 6 Jun 2017 14:36

Tgt Ion:172 Resp: 1196188  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.6 44.4  
 170 23.8 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: 20.000 ng

RT: 14.63 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

Instrument :

BNA\_F

ClientSampleId :

BU-RO-286-060117

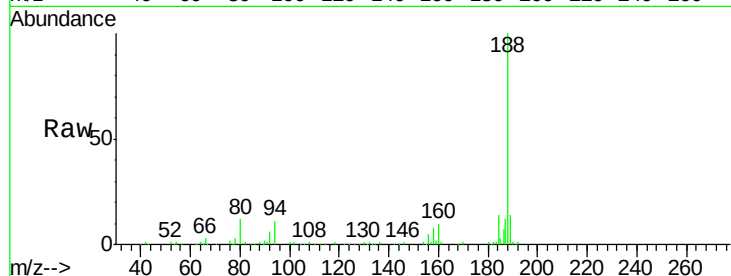
Tgt Ion:188 Resp: 335492

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

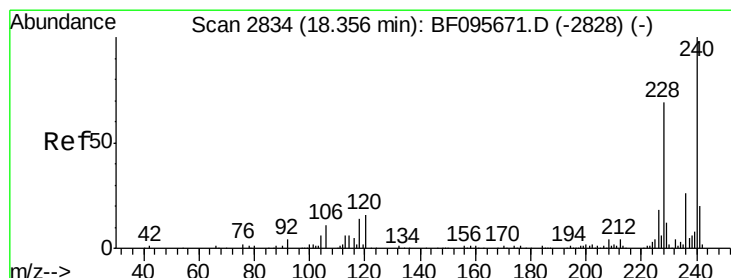
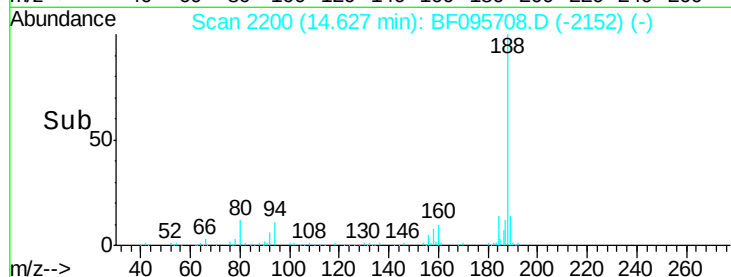
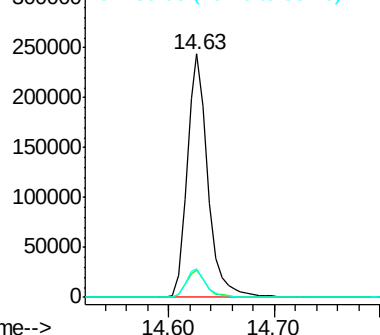
80 11.5 10.2 15.2



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: 20.000 ng

RT: 18.34 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BF095708.D

Acq: 6 Jun 2017 14:36

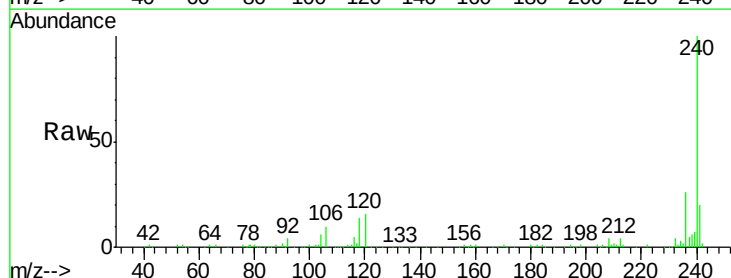
Tgt Ion:240 Resp: 328061

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

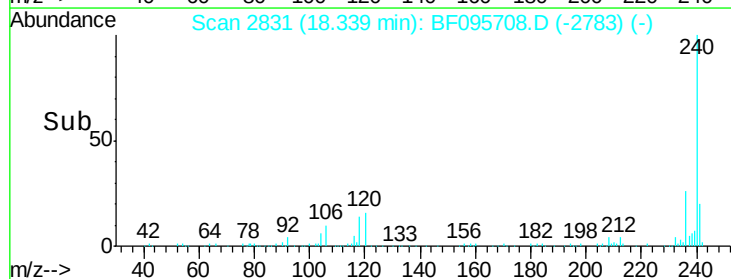
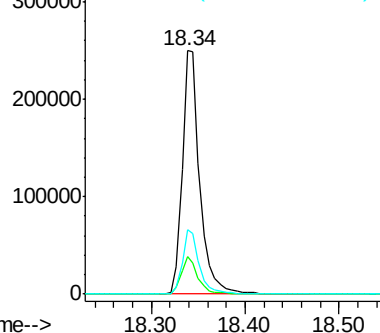
236 26.4 20.5 30.7

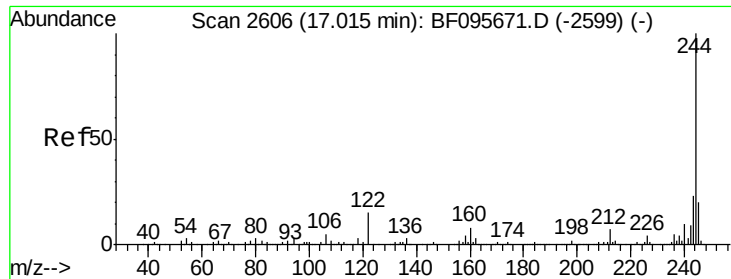


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

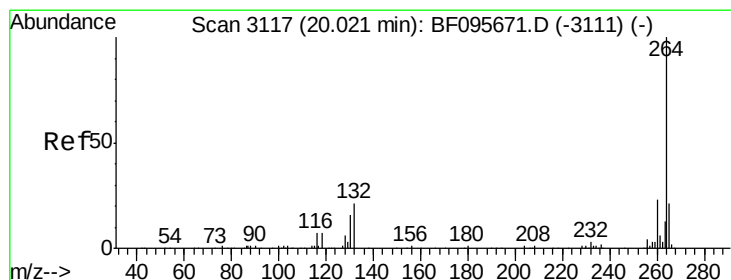
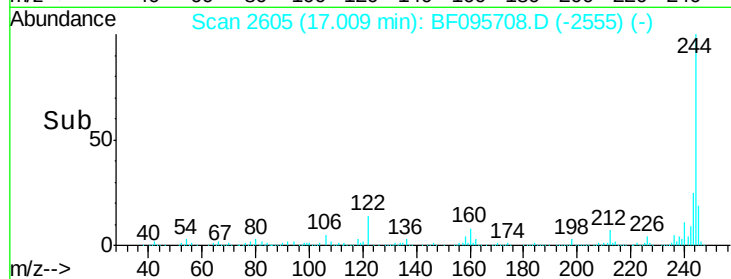
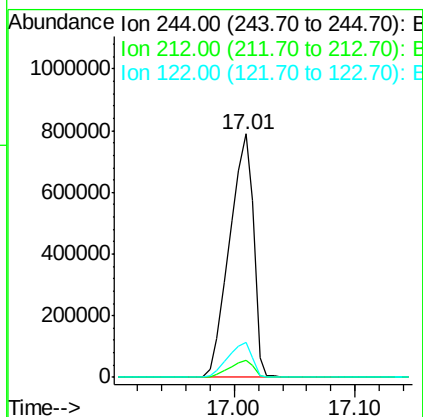
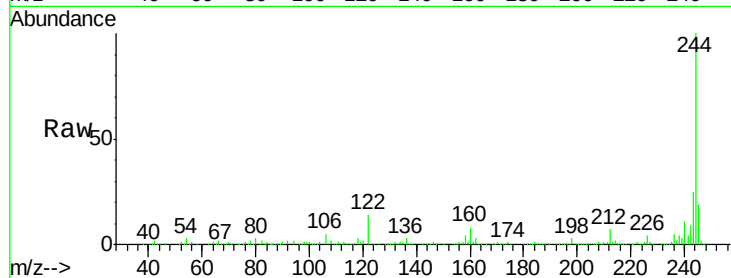




#78  
 Terphenyl-d14  
 Concen: 82.450 ng  
 RT: 17.01 min Scan# 2605  
 Delta R.T. -0.01 min  
 Lab File: BF095708.D  
 Acq: 6 Jun 2017 14:36

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Tgt Ion:244 Resp: 1089912  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.4 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 20.01 min Scan# 3115  
 Delta R.T. -0.01 min  
 Lab File: BF095708.D  
 Acq: 6 Jun 2017 14:36

Tgt Ion:264 Resp: 231333  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.5 29.3  
 265 21.1 17.2 25.8

