

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060617\  
 Data File : BF095707.D  
 Acq On : 6 Jun 2017 14:04  
 Operator : SJ/MA  
 Sample : I3444-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-RO-240-060117

Quant Time: Jun 06 17:17:04 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   | 7.39  | 152  | 88345    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 9.41  | 136  | 373615   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 12.23 | 164  | 168496   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 14.63 | 188  | 326975   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 18.34 | 240  | 337933   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 20.01 | 264  | 237771   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 798069   | 143.95 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 797477   | 120.15 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.30  | 82   | 554999   | 92.26  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 13.53 | 330  | 222782   | 149.44 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 11.19 | 172  | 1272193  | 105.07 | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.01 | 244  | 1089184  | 79.99  | ng    | 0.00     |

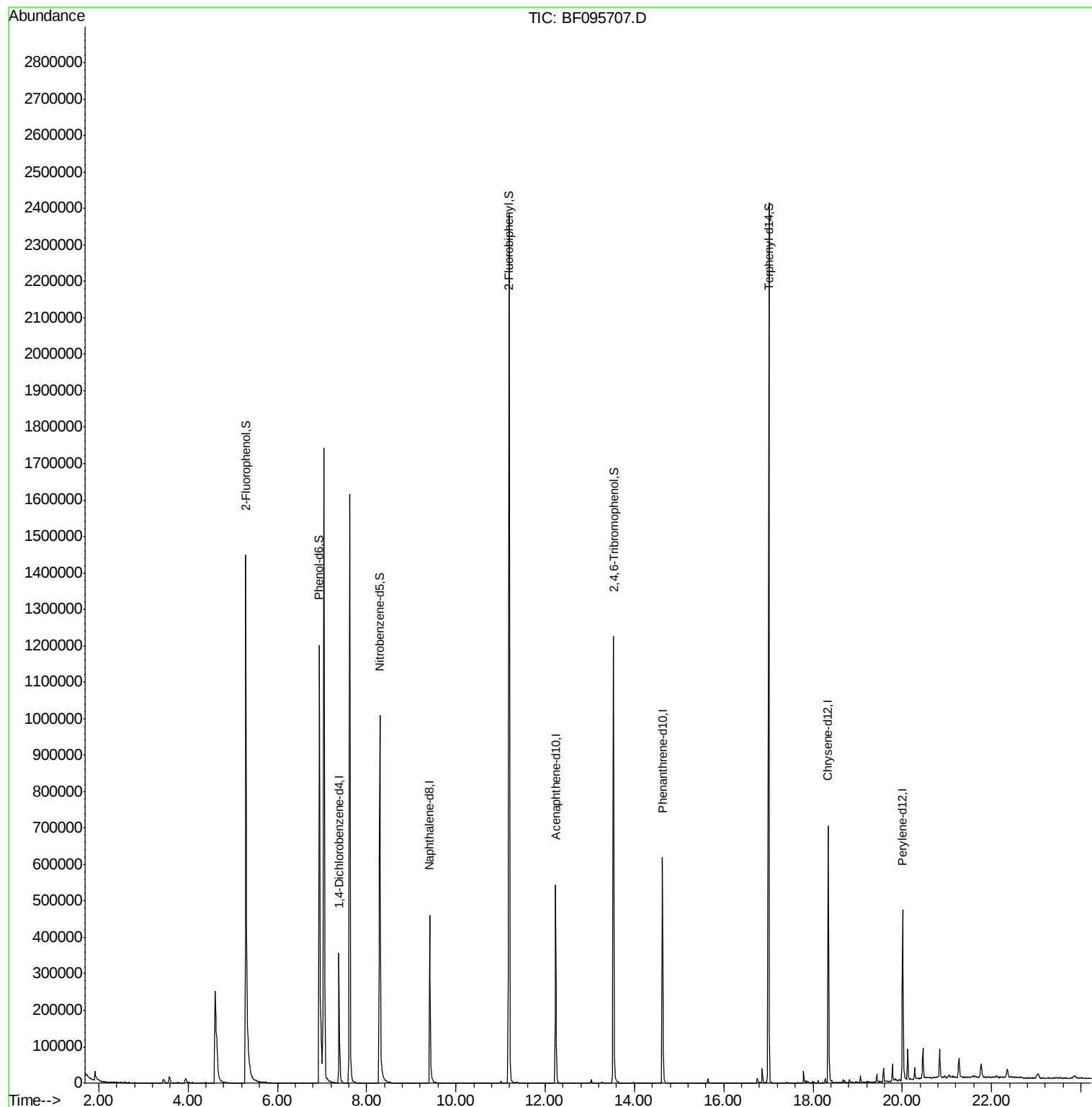
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

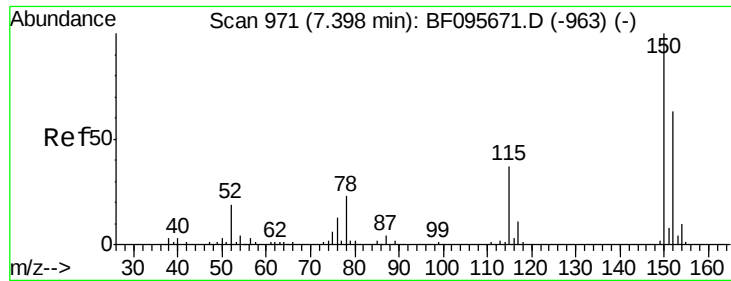
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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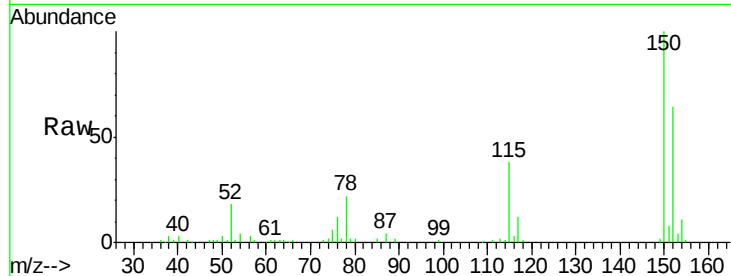


#1

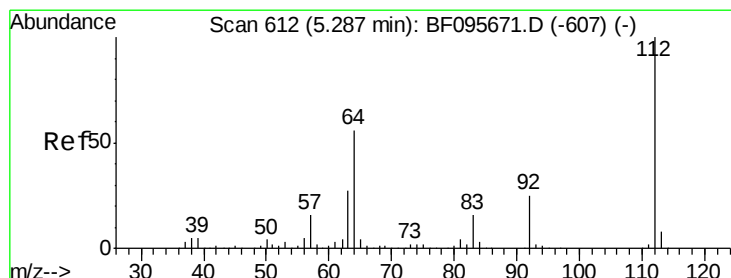
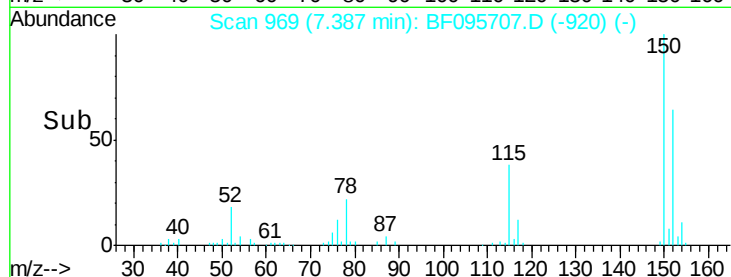
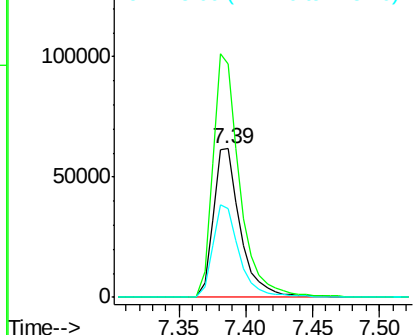
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BF095707.D  
Acq: 6 Jun 2017 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
BU-RO-240-060117

Tgt Ion:152 Resp: 88345  
Ion Ratio Lower Upper  
152 100  
150 156.9 126.2 189.2  
115 59.7 52.2 78.2



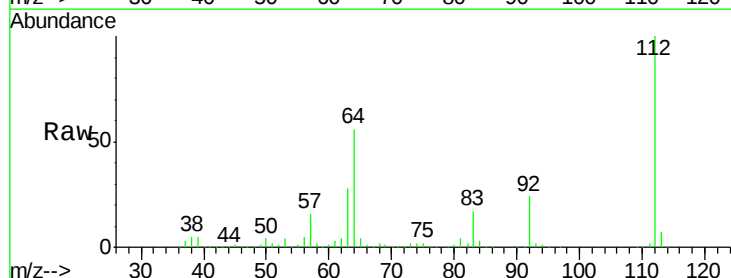
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



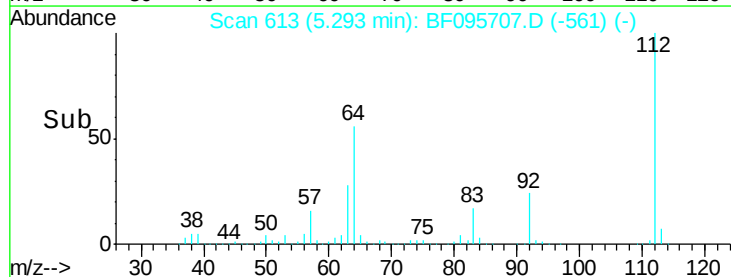
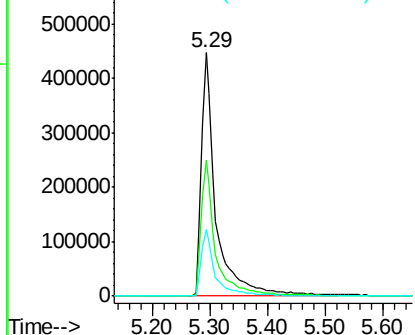
#5

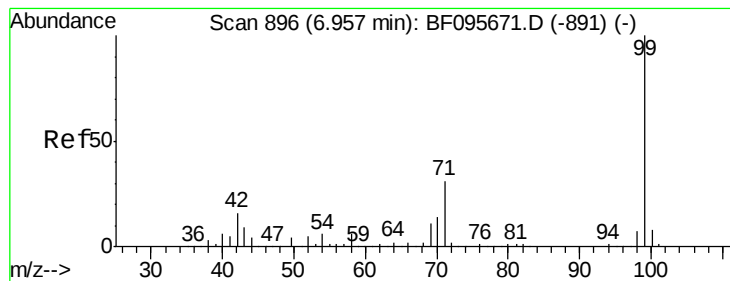
2-Fluorophenol  
Concen: 143.945 ng  
RT: 5.29 min Scan# 613  
Delta R.T. 0.01 min  
Lab File: BF095707.D  
Acq: 6 Jun 2017 14:04

Tgt Ion:112 Resp: 798069  
Ion Ratio Lower Upper  
112 100  
64 55.7 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: 120.149 ng

RT: 6.94 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF095707.D

Acq: 6 Jun 2017 14:04

Instrument :

BNA\_F

ClientSampleId :

BU-RO-240-060117

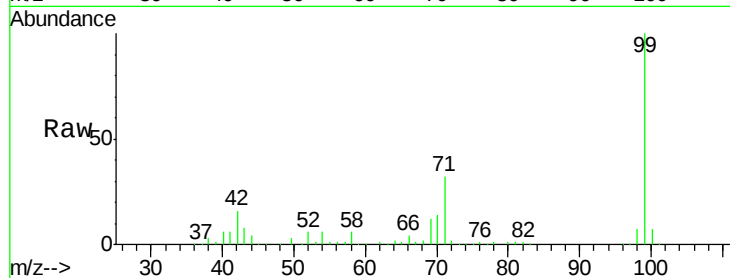
Tgt Ion: 99 Resp: 797477

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

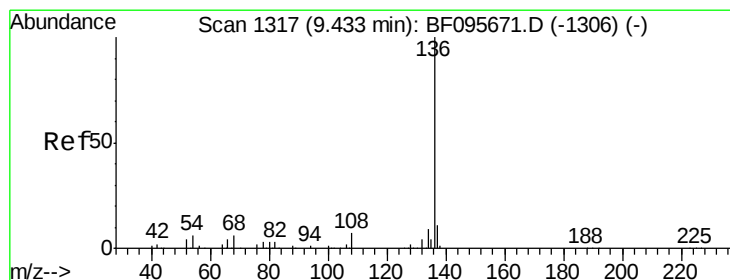
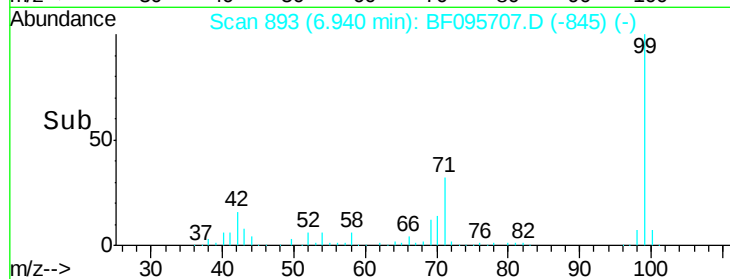
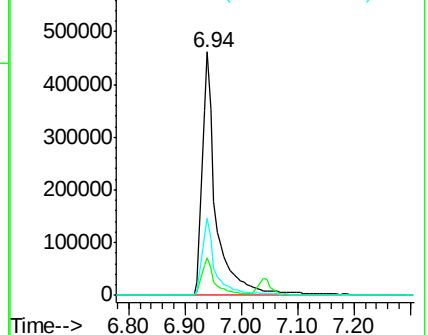
71 31.6 24.5 36.7



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: BF095707.D

Acq: 6 Jun 2017 14:04

Tgt Ion: 136 Resp: 373615

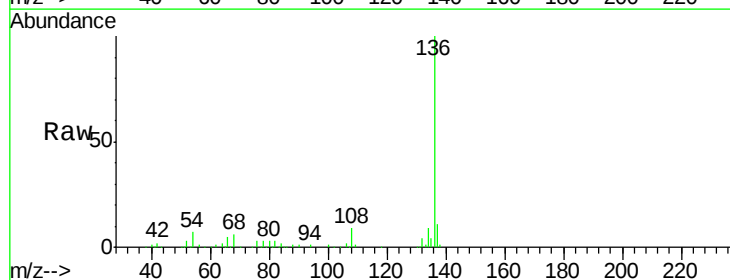
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

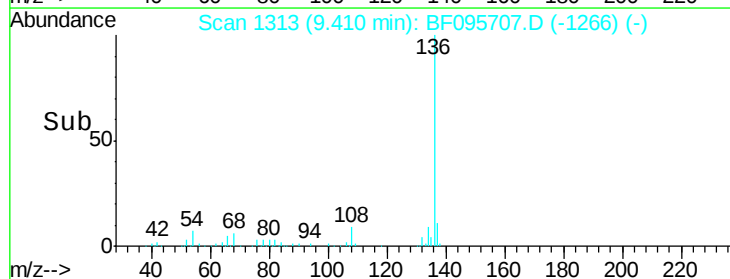
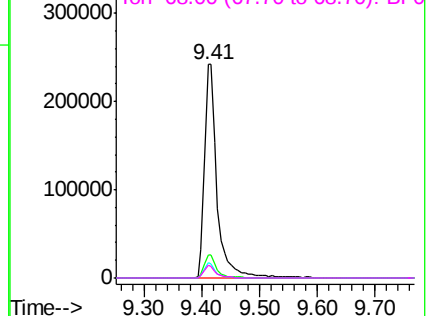


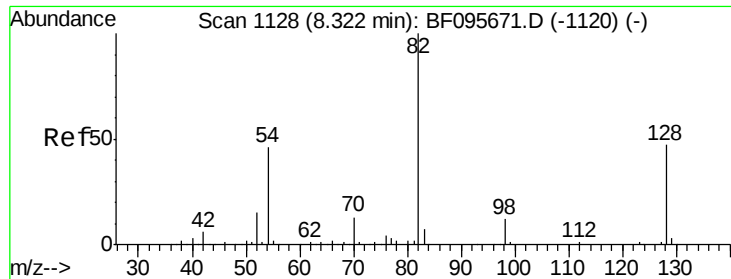
Abundance Ion 136.00 (135.70 to 136.70): E

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

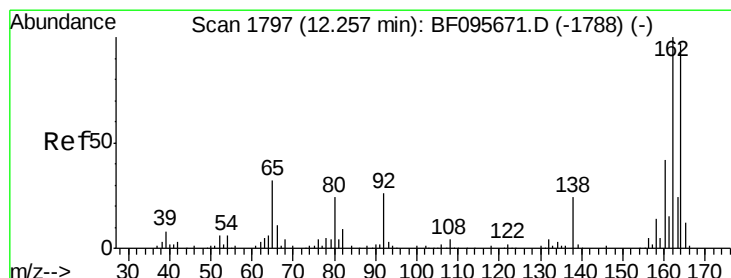
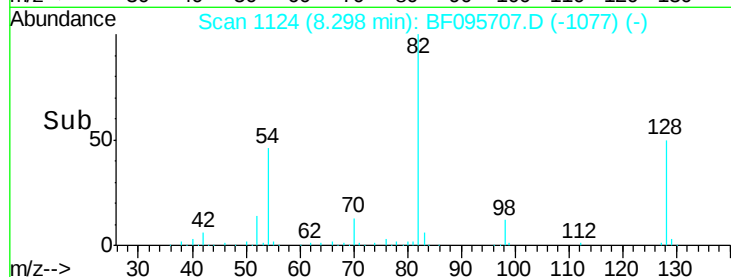
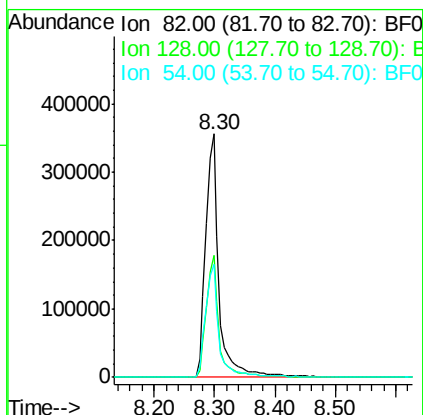
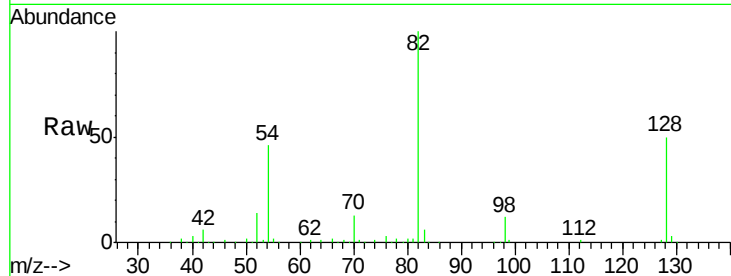




#23  
Nitrobenzene-d5  
Concen: 92.255 ng  
RT: 8.30 min Scan# 1124  
Delta R.T. -0.02 min  
Lab File: BF095707.D  
Acq: 6 Jun 2017 14:04

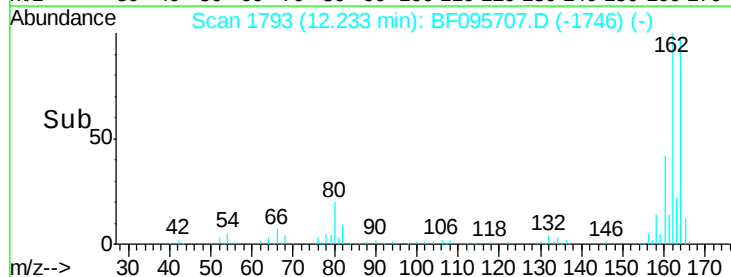
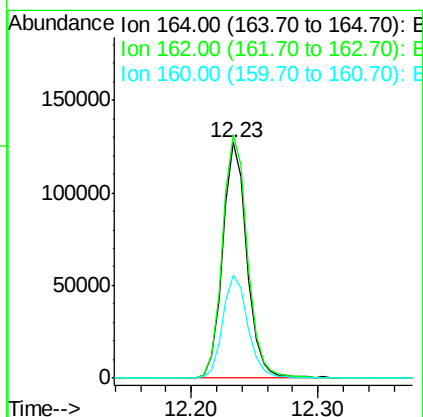
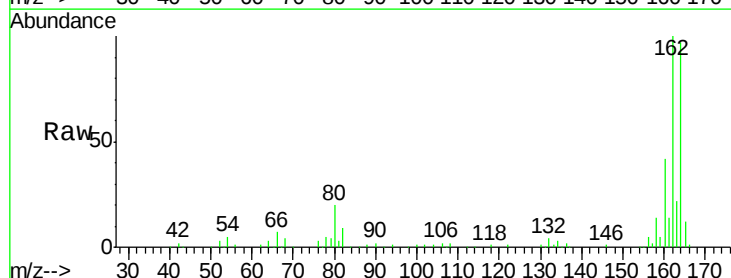
Instrument :  
BNA\_F  
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BU-RO-240-060117

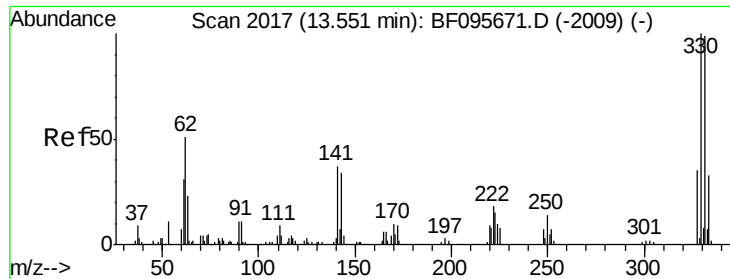
Tgt Ion: 82 Resp: 554999  
Ion Ratio Lower Upper  
82 100  
128 50.1 34.0 51.0  
54 46.3 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 12.23 min Scan# 1793  
Delta R.T. -0.02 min  
Lab File: BF095707.D  
Acq: 6 Jun 2017 14:04

Tgt Ion: 164 Resp: 168496  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.6 123.8  
160 43.8 36.2 54.2

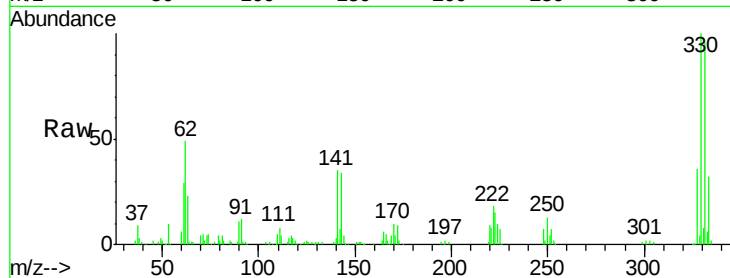




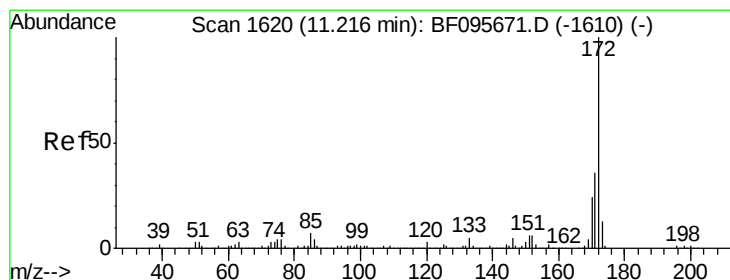
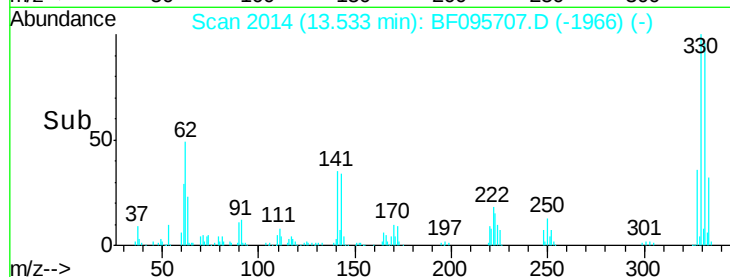
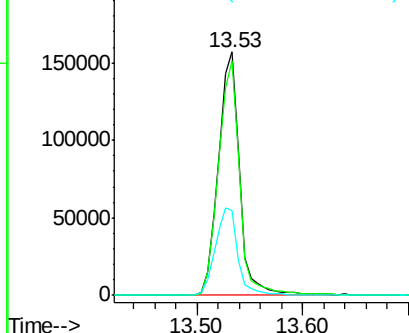
#41  
 2,4,6-Tribromophenol  
 Concen: 149.438 ng  
 RT: 13.53 min Scan# 2014  
 Delta R.T. -0.02 min  
 Lab File: BF095707.D  
 Acq: 6 Jun 2017 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-RO-240-060117

Tgt Ion:330 Resp: 222782  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 115.0  
 141 37.8 31.4 47.2

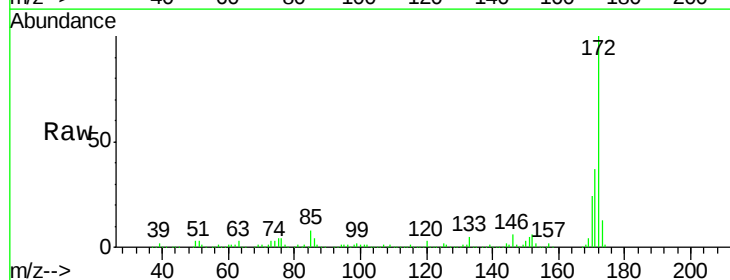


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

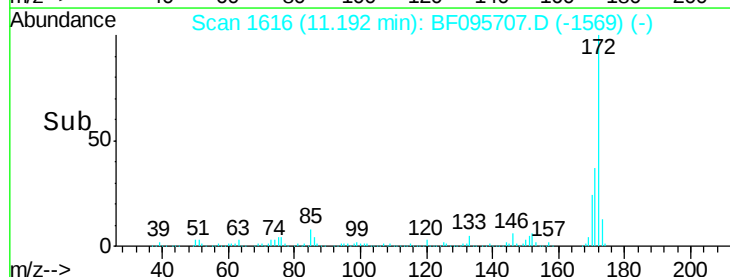
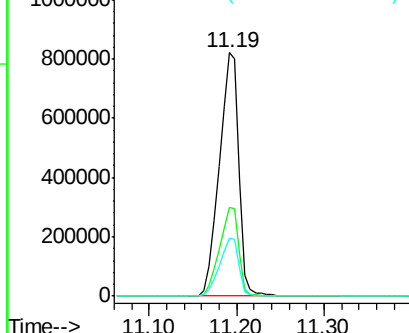


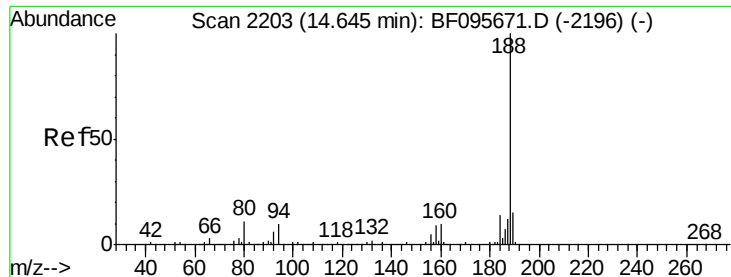
#44  
 2-Fluorobiphenyl  
 Concen: 105.068 ng  
 RT: 11.19 min Scan# 1616  
 Delta R.T. -0.02 min  
 Lab File: BF095707.D  
 Acq: 6 Jun 2017 14:04

Tgt Ion:172 Resp: 1272193  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 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: BF095707.D

Acq: 6 Jun 2017 14:04

Instrument :

BNA\_F

ClientSampleId :

BU-RO-240-060117

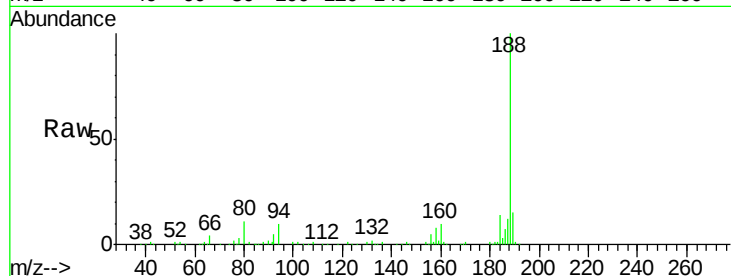
Tgt Ion:188 Resp: 326975

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

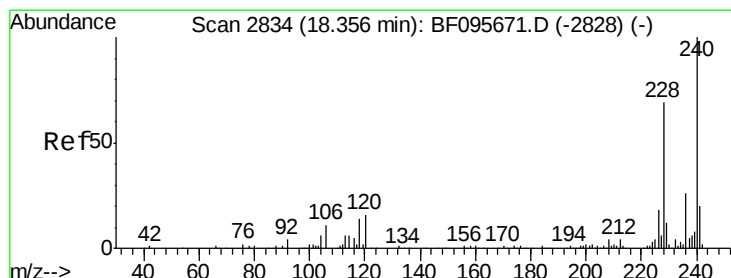
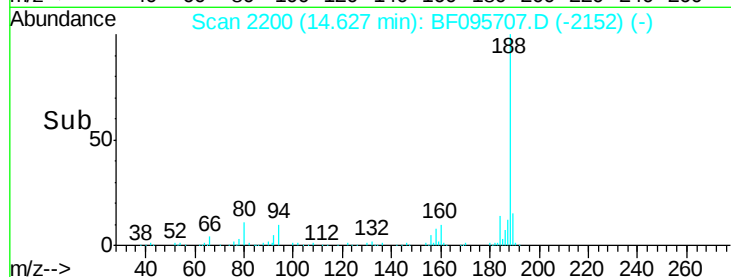
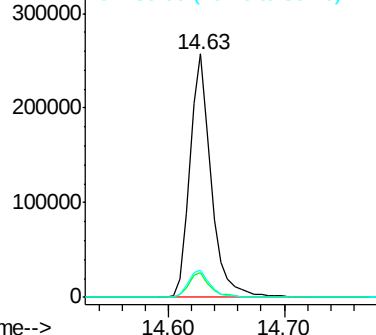
80 11.1 10.2 15.2



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: BF095707.D

Acq: 6 Jun 2017 14:04

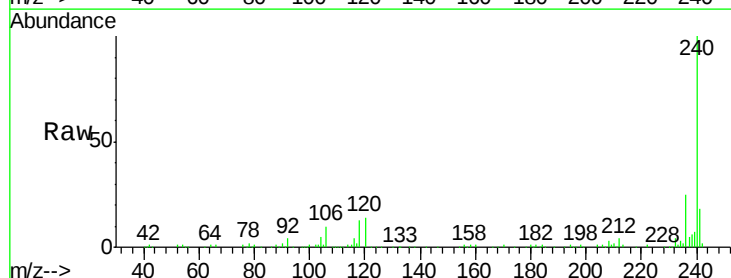
Tgt Ion:240 Resp: 337933

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

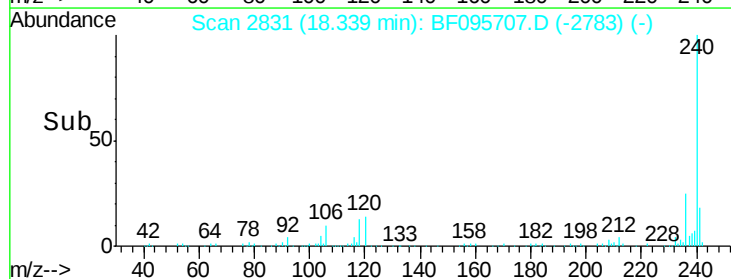
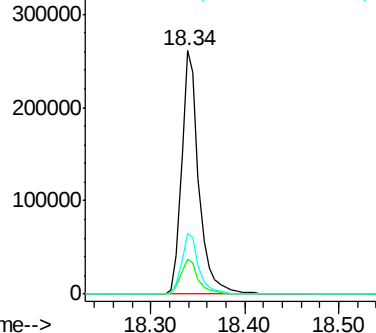
236 24.8 20.5 30.7

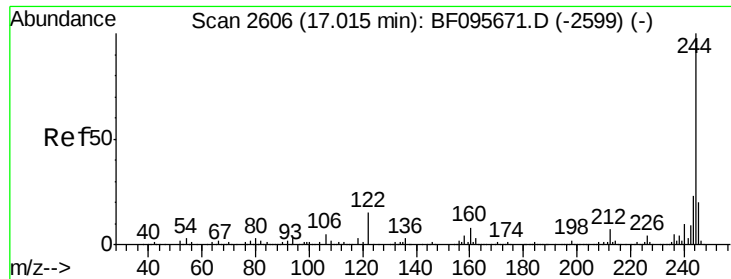


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

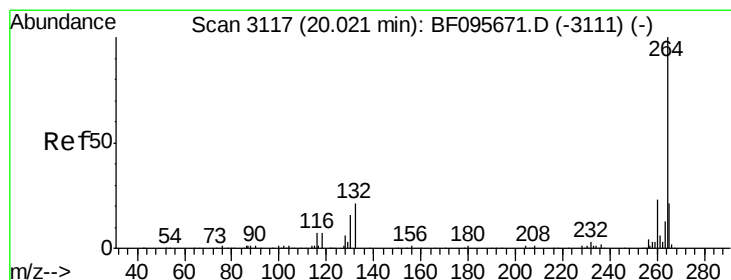
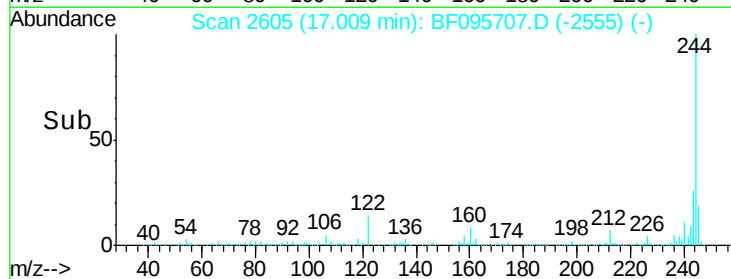
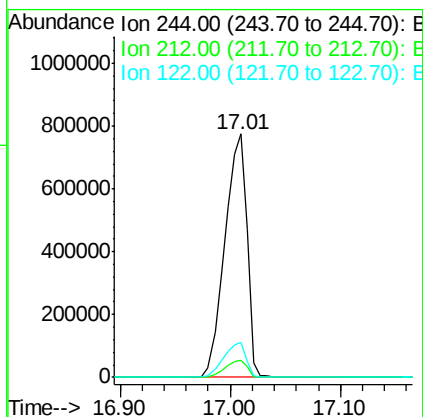
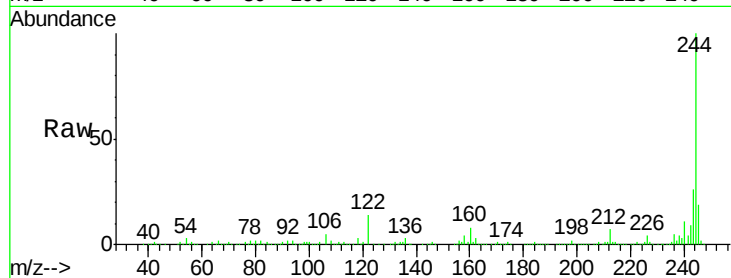




#78  
 Terphenyl-d14  
 Concen: 79.988 ng  
 RT: 17.01 min Scan# 2605  
 Delta R.T. -0.01 min  
 Lab File: BF095707.D  
 Acq: 6 Jun 2017 14:04

Instrument :  
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Tgt Ion: 244 Resp: 1089184  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 14.2 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: BF095707.D  
 Acq: 6 Jun 2017 14:04

Tgt Ion: 264 Resp: 237771  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.5 29.3  
 265 20.0 17.2 25.8

