

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\  
 Data File : BF096891.D  
 Acq On : 20 Jul 2017 1:08  
 Operator : SJ/JU  
 Sample : I4265-01 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-071817

Quant Time: Jul 20 16:35:52 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 18 13:33:22 2017  
 Response via : Initial Calibration

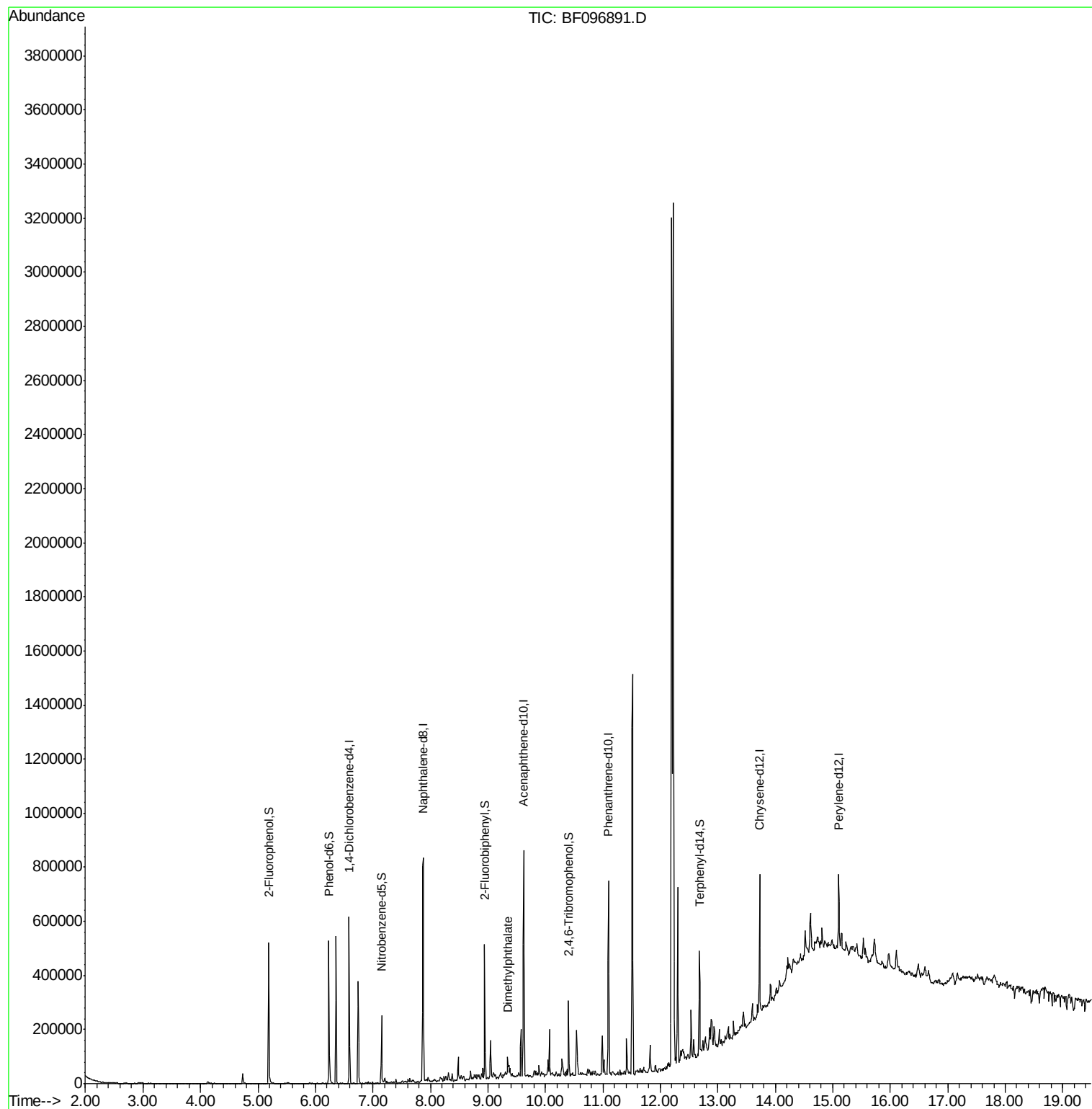
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.59  | 152  | 92659    | 20.00 | ng    | -0.01          |
| 21) Naphthalene-d8          | 7.87  | 136  | 372468   | 20.00 | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.62  | 164  | 148856   | 20.00 | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.10 | 188  | 232571   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.73 | 240  | 173226   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.10 | 264  | 114193   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.19  | 112  | 142134   | 23.06 | ng    | -0.01          |
| 7) Phenol-d6                | 6.23  | 99   | 151696   | 20.51 | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.15  | 82   | 73336    | 12.20 | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 26425    | 20.80 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 8.95  | 172  | 158605   | 16.83 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.68 | 244  | 109712   | 10.98 | ng    | -0.01          |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.35  | 163  | 22517    | 2.009 | ng    | Qvalue<br># 96 |

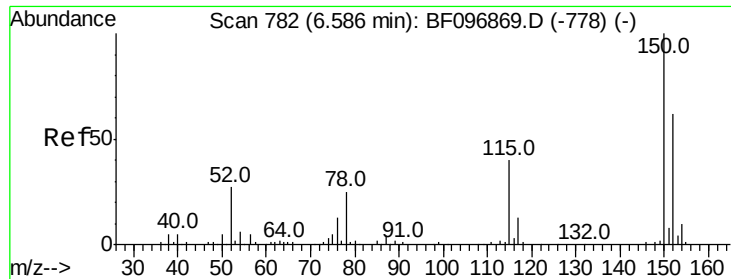
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



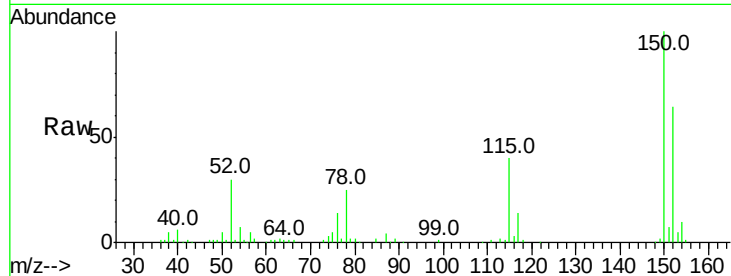


#1

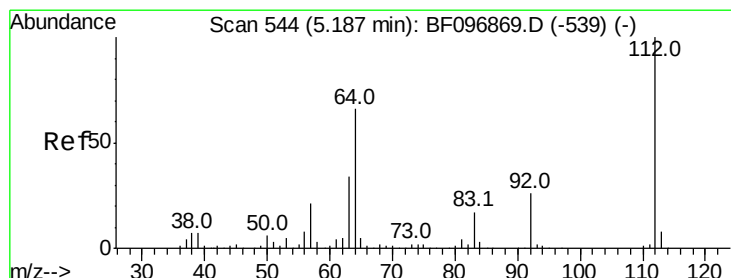
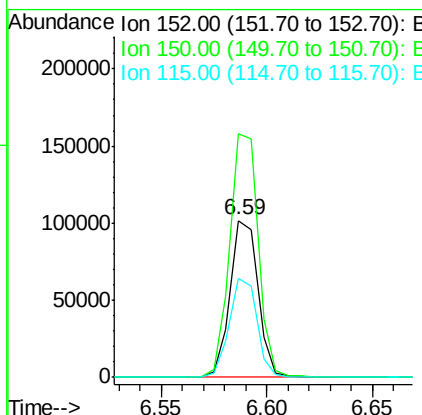
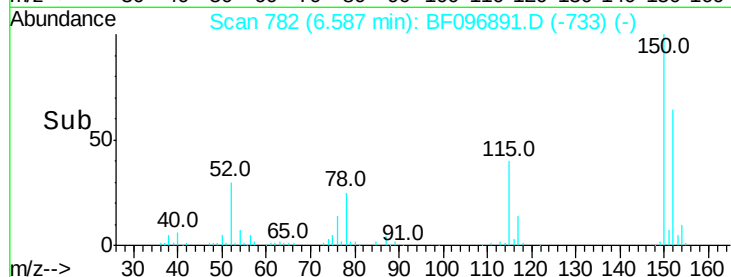
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.59 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-071817

Tot Ion:152 Resp: 92659  
Ion Ratio Lower Upper  
152 100  
150 155.2 126.2 189.2  
115 62.7 52.2 78.2



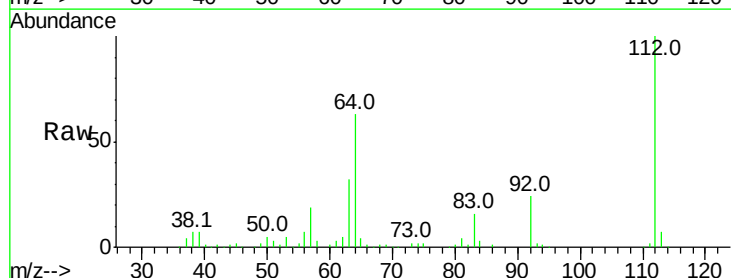
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



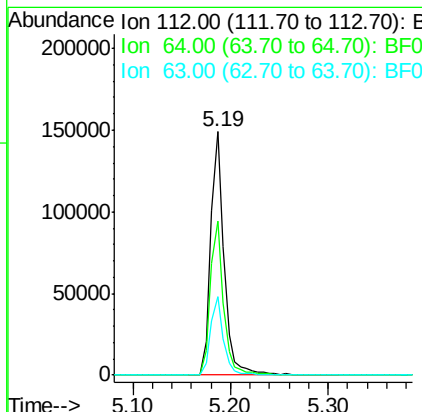
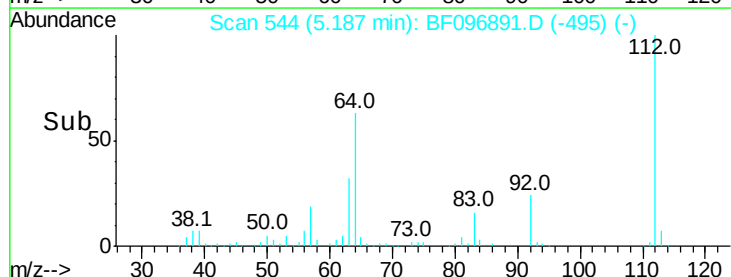
#5

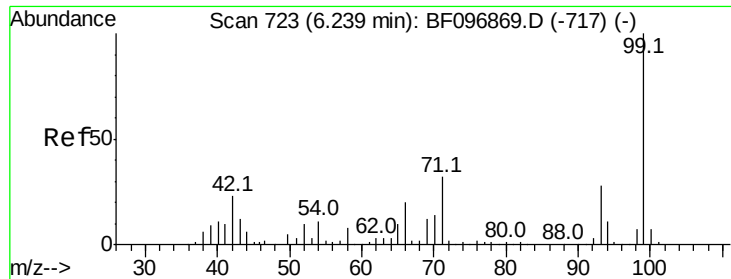
2-Fluorophenol  
Concen: 23.064 ng  
RT: 5.19 min Scan# 544  
Delta R.T. -0.01 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

Tgt Ion:112 Resp: 142134  
Ion Ratio Lower Upper  
112 100  
64 63.2 46.0 69.0  
63 32.5 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: 20.513 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096891.D

Acq: 20 Jul 2017 1:08

Instrument :

BNA\_F

ClientSampleId :

SU-03-071817

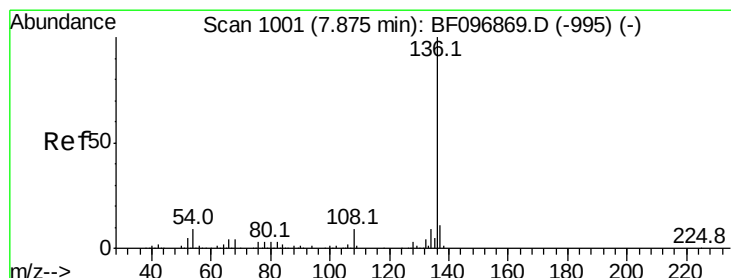
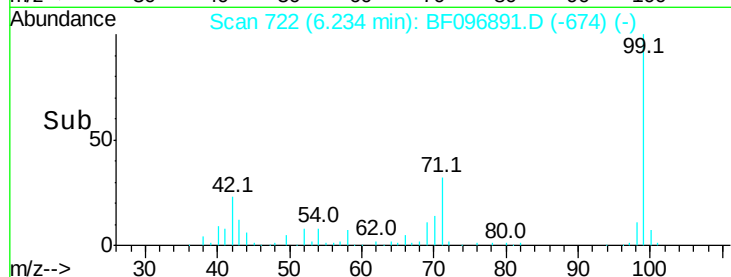
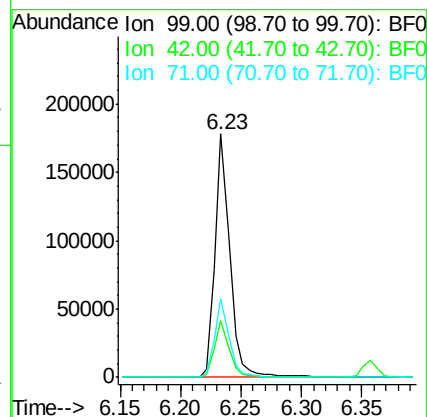
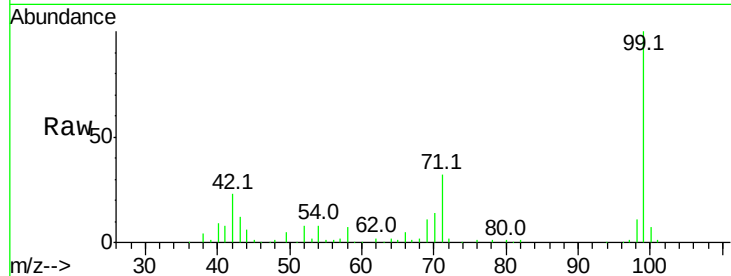
Tot Ion: 99 Resp: 151696

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

71 32.5 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.87 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF096891.D

Acq: 20 Jul 2017 1:08

Tgt Ion: 136 Resp: 372468

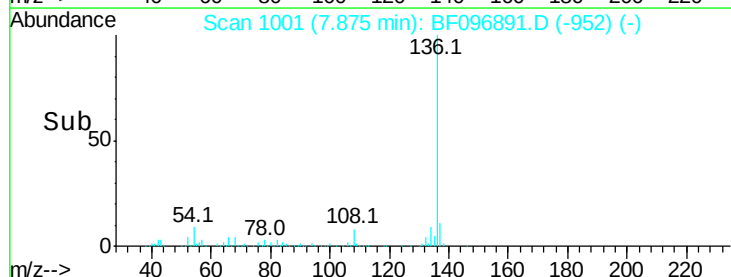
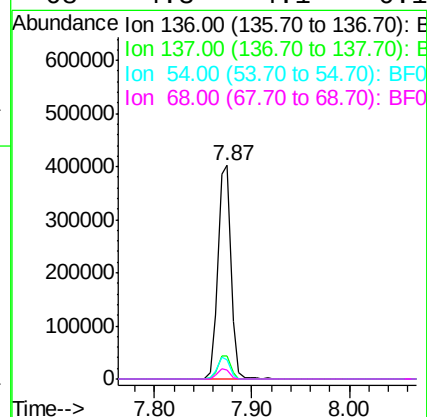
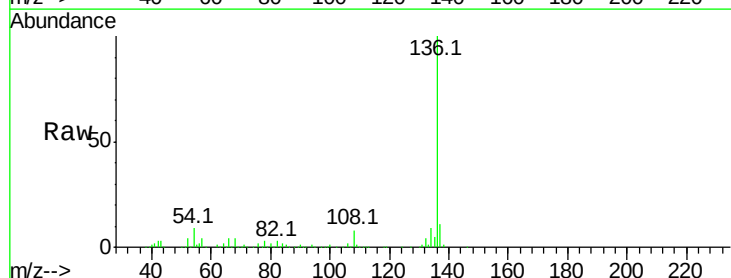
Ion Ratio Lower Upper

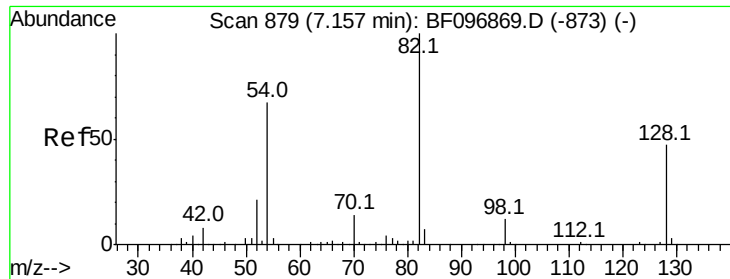
136 100

137 10.8 8.5 12.7

54 8.9 4.9 7.3#

68 4.3 4.1 6.1

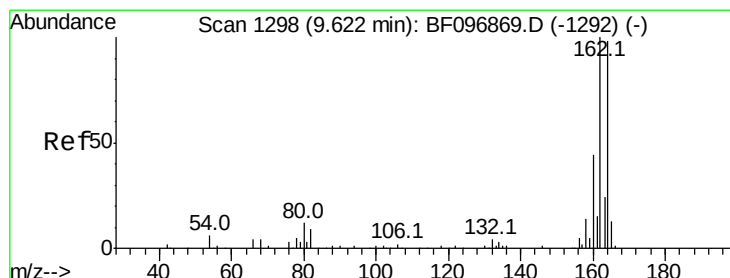
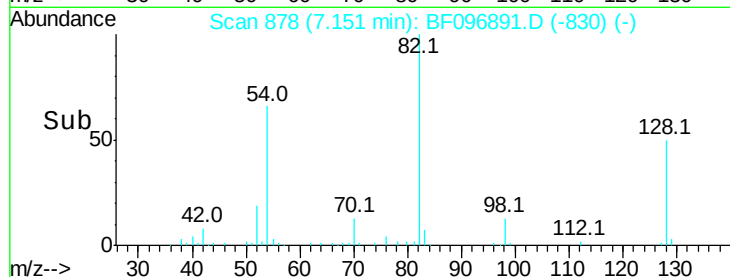
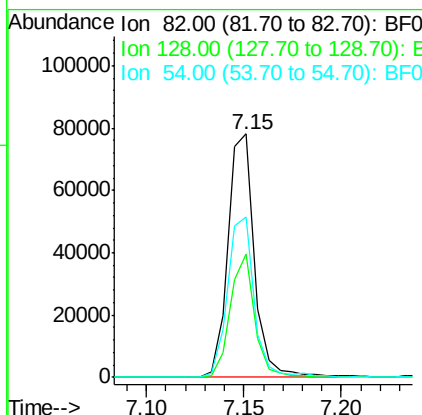
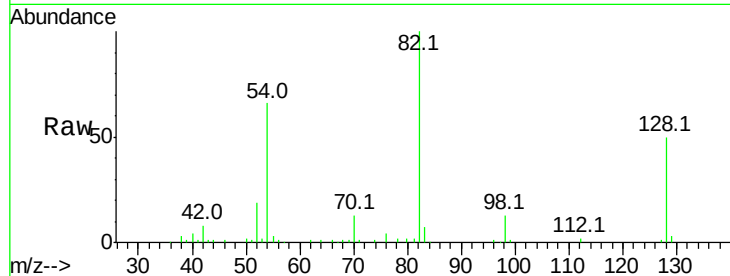




#23  
Nitrobenzene-d5  
Concen: 12.196 ng  
RT: 7.15 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

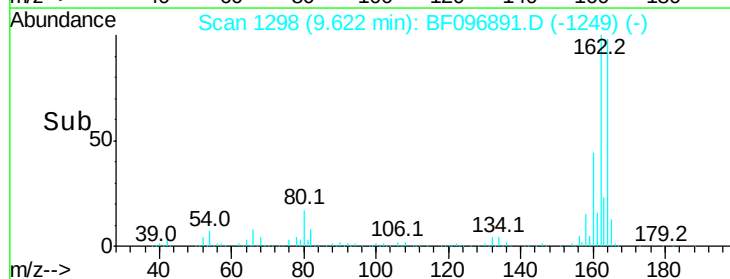
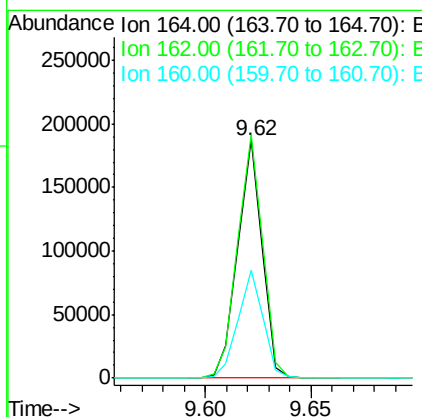
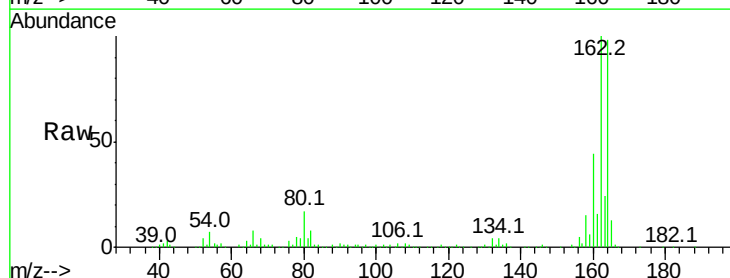
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-071817

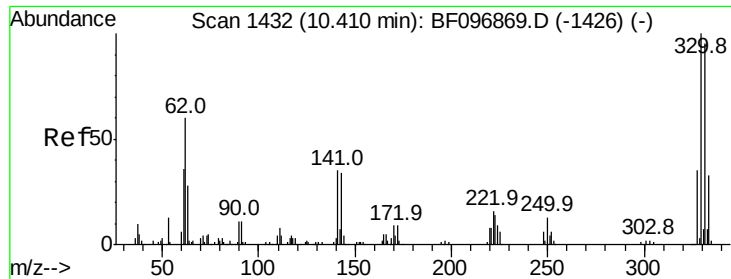
Tot Ion: 82 Resp: 73336  
Ion Ratio Lower Upper  
82 100  
128 50.4 34.0 51.0  
54 66.0 42.2 63.2#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.62 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

Tgt Ion:164 Resp: 148856  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.6 123.8  
160 45.3 36.2 54.2

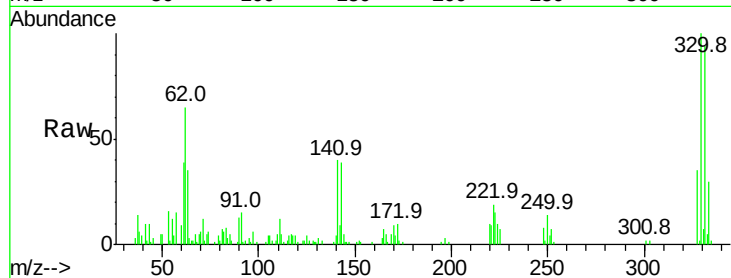




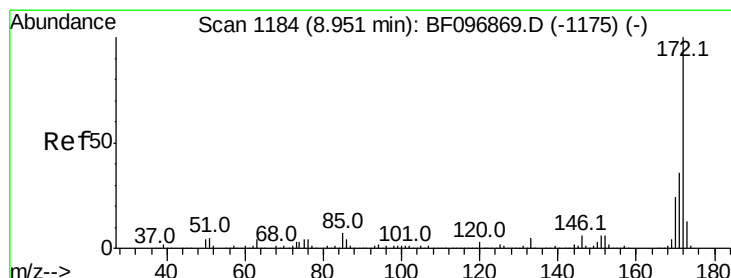
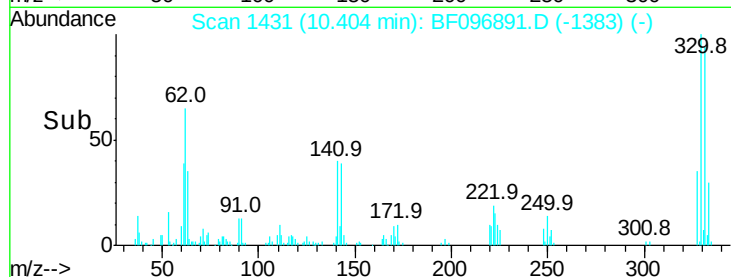
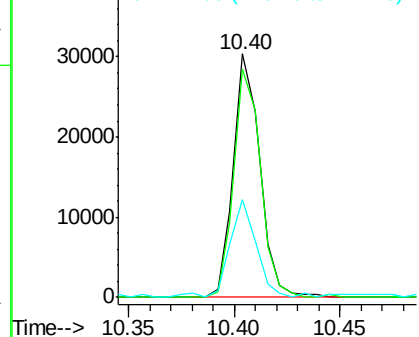
#41  
 2,4,6-Tribromophenol  
 Concen: 20.797 ng  
 RT: 10.40 min Scan# 1431  
 Delta R.T. -0.02 min  
 Lab File: BF096891.D  
 Acq: 20 Jul 2017 1:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-071817

Tot Ion:330 Resp: 26425  
 Ion Ratio Lower Upper  
 330 100  
 332 93.6 76.6 115.0  
 141 40.0 31.4 47.2

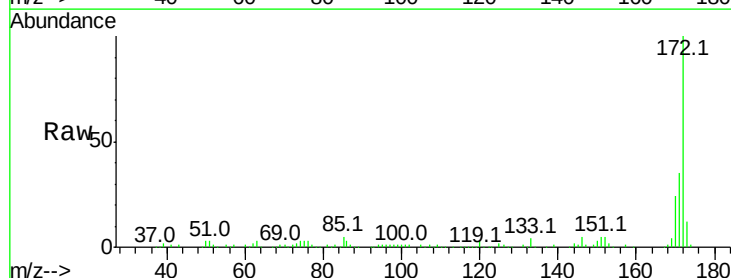


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

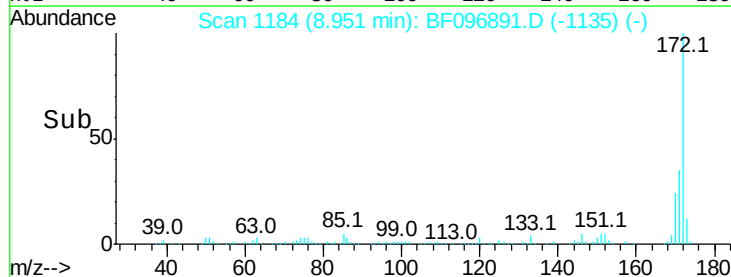
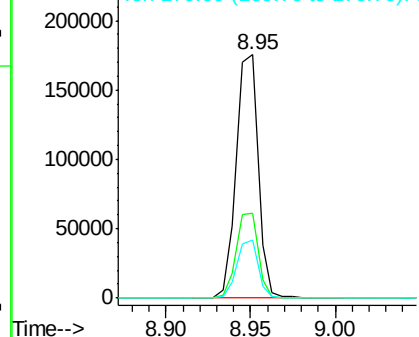


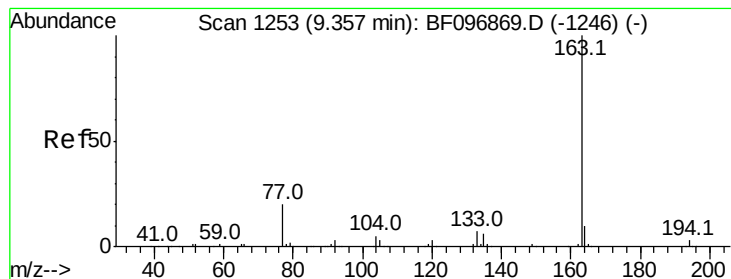
#44  
 2-Fluorobiphenyl  
 Concen: 16.834 ng  
 RT: 8.95 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF096891.D  
 Acq: 20 Jul 2017 1:08

Tgt Ion:172 Resp: 158605  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 29.6 44.4  
 170 23.7 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





#49

Dimethylphthalate

Concen: 2.009 ng

RT: 9.35 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF096891.D

Acq: 20 Jul 2017 1:08

Instrument :

BNA\_F

ClientSampleId :

SU-03-071817

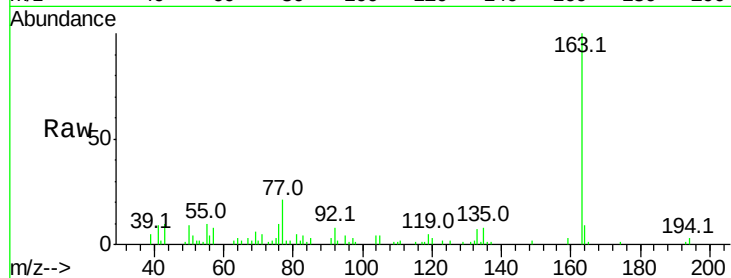
Tot Ion:163 Resp: 22517

Ion Ratio Lower Upper

163 100

194 2.5 2.6 4.0#

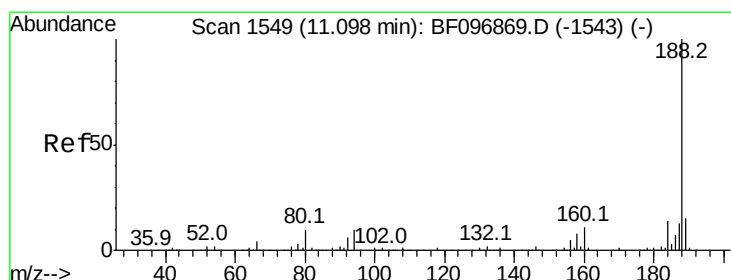
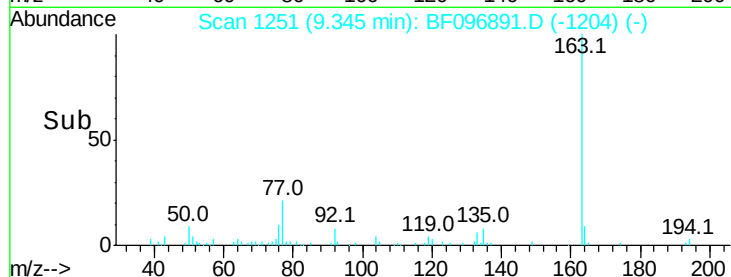
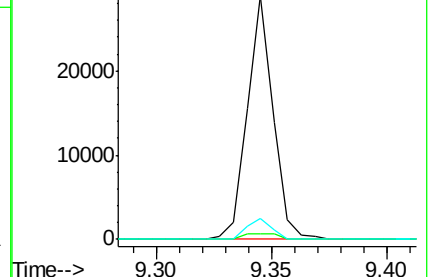
164 8.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096891.D

Acq: 20 Jul 2017 1:08

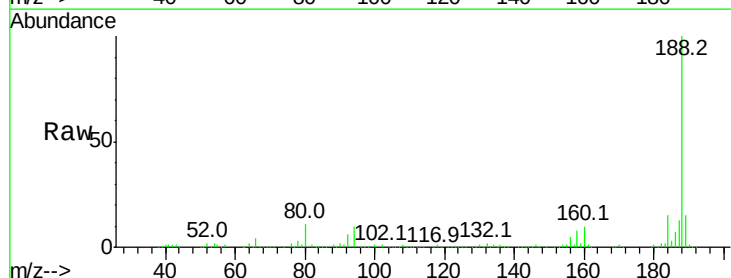
Tgt Ion:188 Resp: 232571

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

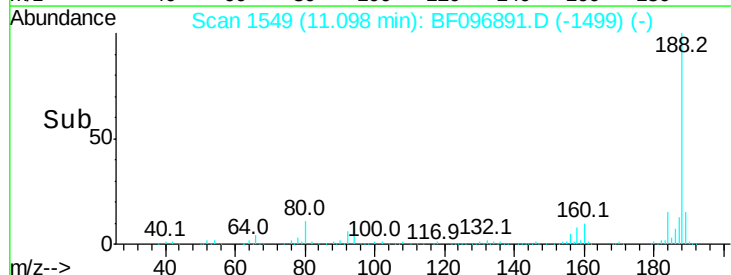
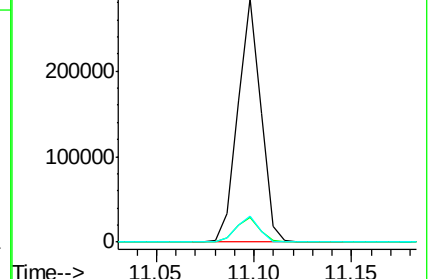
80 10.5 10.2 15.2

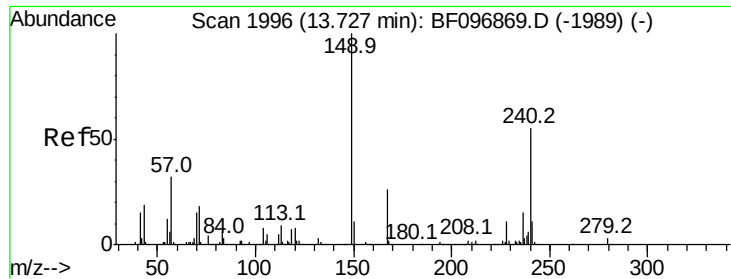


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

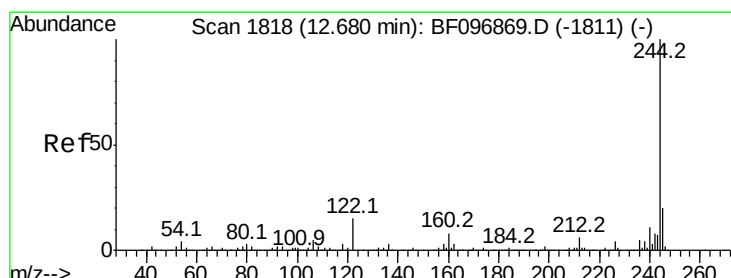
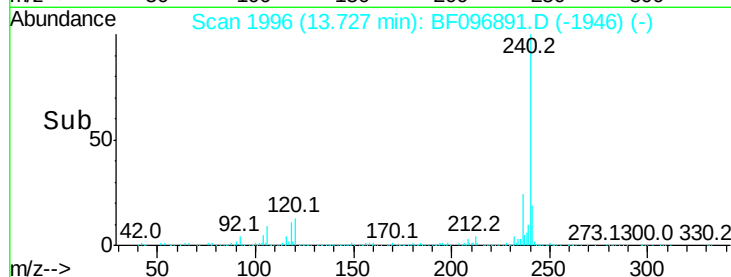
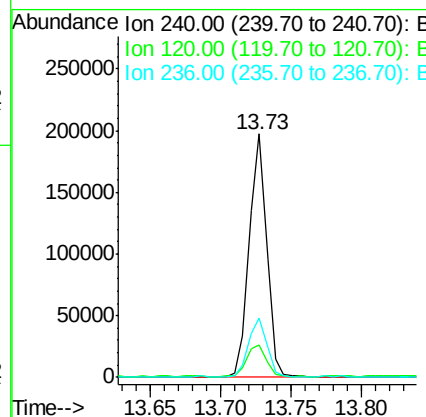
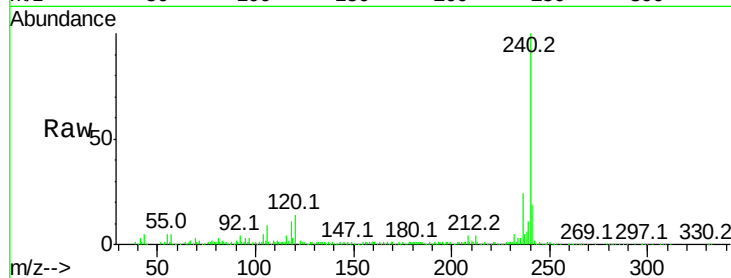




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.73 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

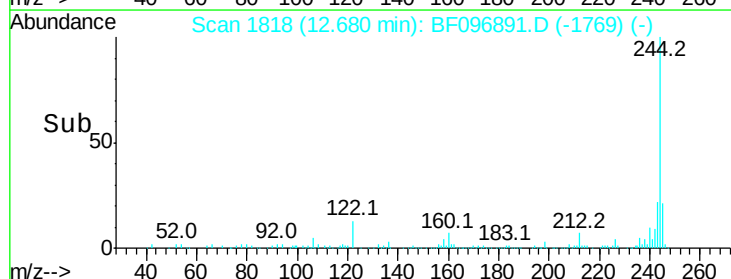
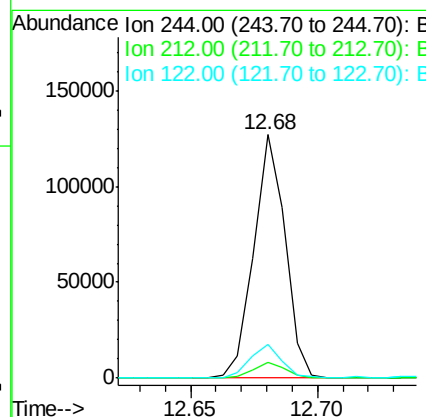
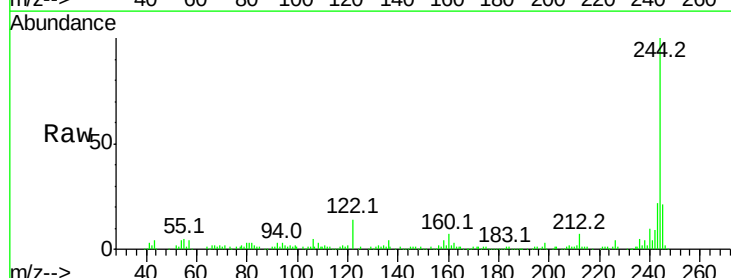
Instrument :  
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SU-03-071817

Tot Ion:240 Resp: 173226  
Ion Ratio Lower Upper  
240 100  
120 13.5 5.8 8.8#  
236 24.5 20.5 30.7

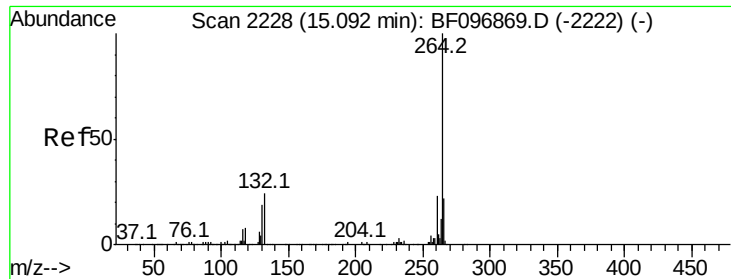


#78  
Terphenyl-d14  
Concen: 10.984 ng  
RT: 12.68 min Scan# 1818  
Delta R.T. -0.01 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

Tgt Ion:244 Resp: 109712  
Ion Ratio Lower Upper  
244 100  
212 6.7 6.0 9.0  
122 13.7 10.3 15.5



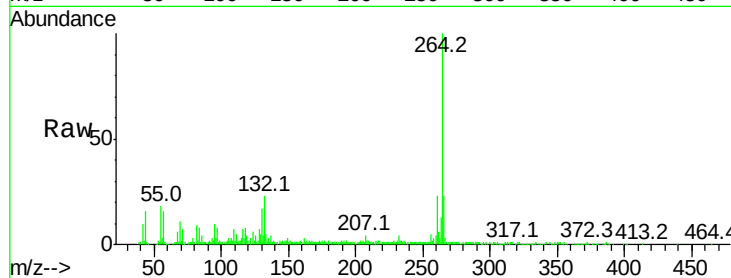




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.10 min Scan# 2230  
Delta R.T. -0.00 min  
Lab File: BF096891.D  
Acq: 20 Jul 2017 1:08

Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-071817

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.5  | 29.3  |
| 265     | 23.3  | 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

