

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\  
 Data File : BF094131.D  
 Acq On : 3 Apr 2017 20:00  
 Operator : SJ/MA  
 Sample : I2495-01 4X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SP01-COMP

Quant Time: Apr 04 01:06:03 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

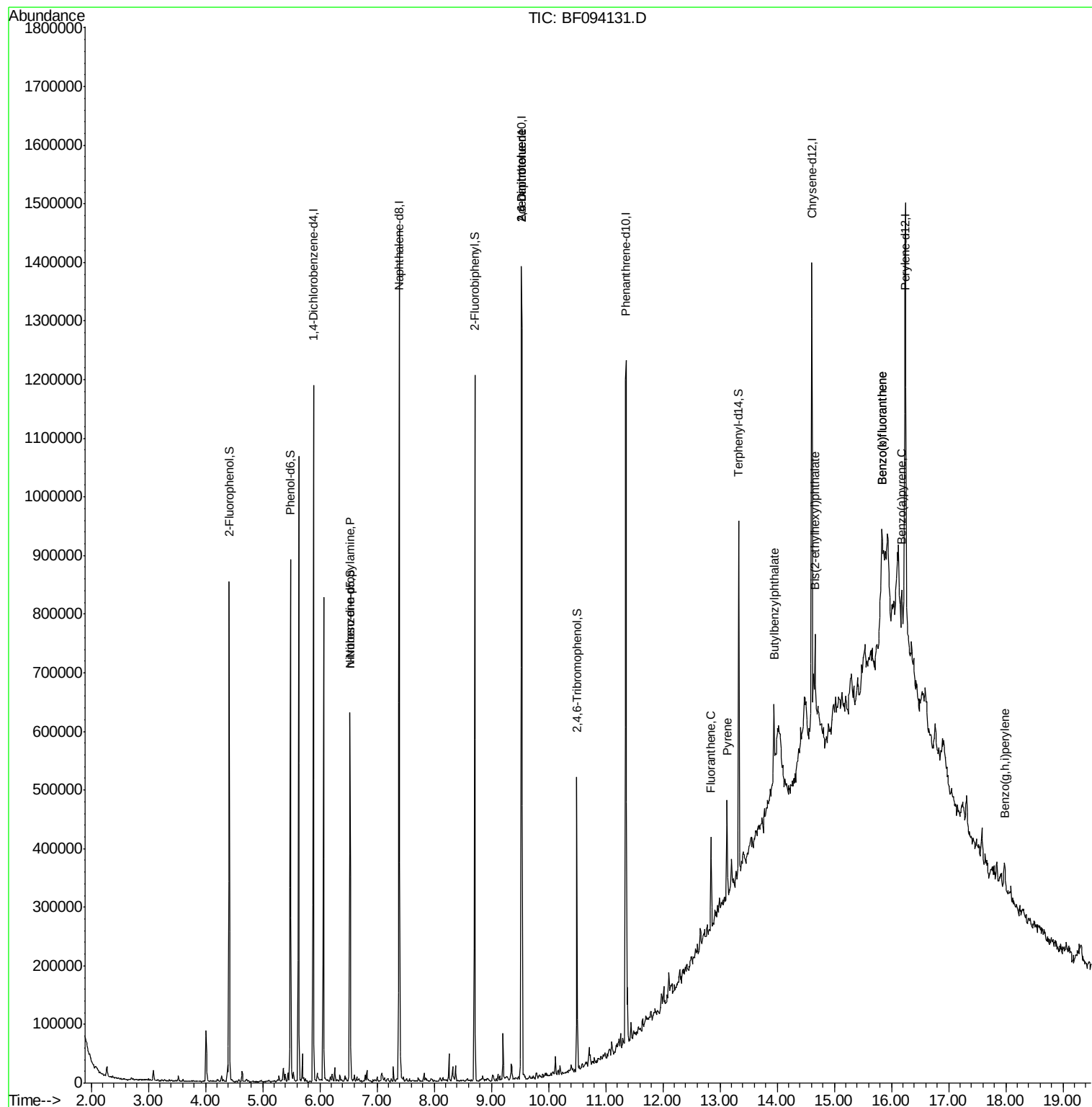
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.89  | 152  | 188144   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.39  | 136  | 729067   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.53  | 164  | 311292   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 485228   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 14.61 | 240  | 317014   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 16.24 | 264  | 296394   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 4.42  | 112  | 255378   | 22.93 | ng    | -0.02    |
| 7) Phenol-d6                   | 5.49  | 99   | 323757   | 23.49 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.53  | 82   | 192705   | 15.08 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 52130    | 21.19 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.71  | 172  | 368288   | 18.05 | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.33 | 244  | 204524   | 14.46 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.53  | 70   | 24592    | 2.78  | ng    | # 80     |
| 50) 2,6-Dinitrotoluene         | 9.53  | 165  | 39719    | 7.83  | ng    | # 33     |
| 56) 2,4-Dinitrotoluene         | 9.53  | 165  | 39720    | 6.23  | ng    | # 33     |
| 74) Fluoranthene               | 12.84 | 202  | 64889    | 2.35  | ng    | 98       |
| 77) Pyrene                     | 13.12 | 202  | 63720    | 2.77  | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.94 | 149  | 38324    | 3.91  | ng    | 88       |
| 83) Bis(2-ethylhexyl)phthalate | 14.66 | 149  | 57735    | 4.32  | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 15.83 | 252  | 66248    | 3.65  | ng    | # 82     |
| 88) Benzo(k)fluoranthene       | 15.83 | 252  | 66248    | 3.73  | ng    | # 85     |
| 89) Benzo(a)pyrene             | 16.18 | 252  | 35300    | 2.11  | ng    | # 83     |
| 91) Benzo(a,h,i)perylene       | 17.97 | 276  | 33989    | 2.38  | ng    | # 88     |

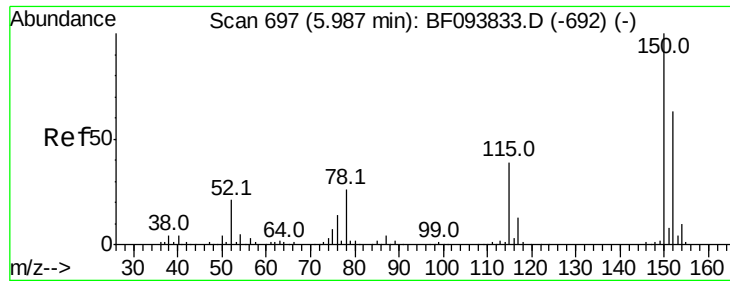
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 31 14:38:29 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

LSS-SP01-COMP

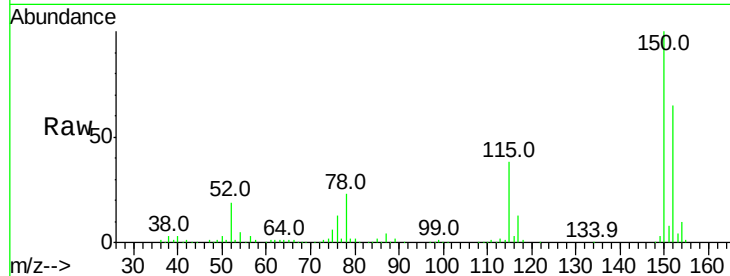
Tot Ion:152 Resp: 188144

Ion Ratio Lower Upper

152 100

150 153.4 126.2 189.2

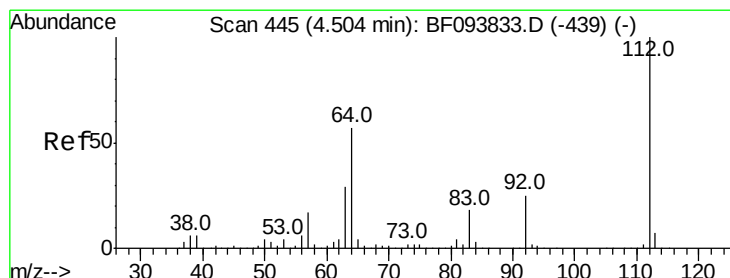
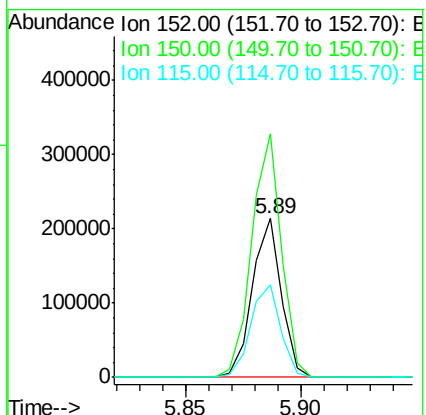
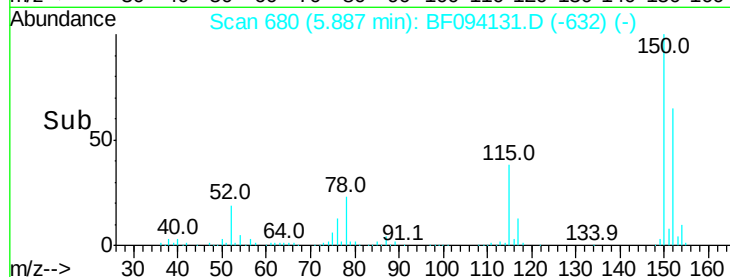
115 58.3 52.2 78.2



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: 22.93 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

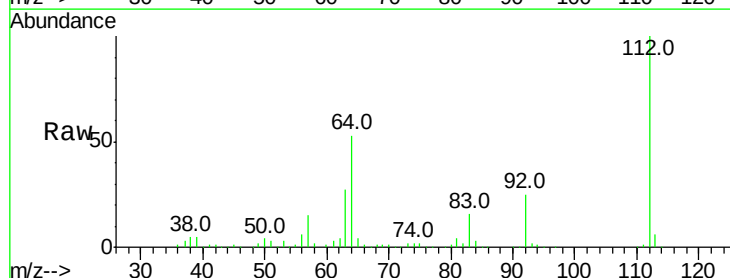
Tgt Ion:112 Resp: 255378

Ion Ratio Lower Upper

112 100

64 53.2 46.0 69.0

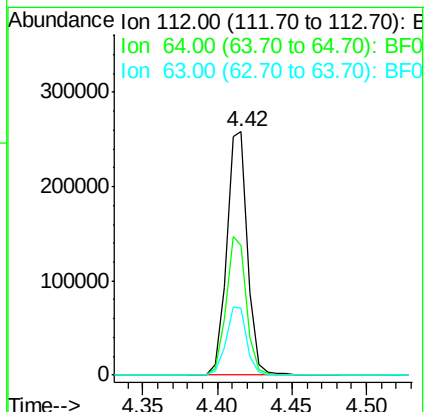
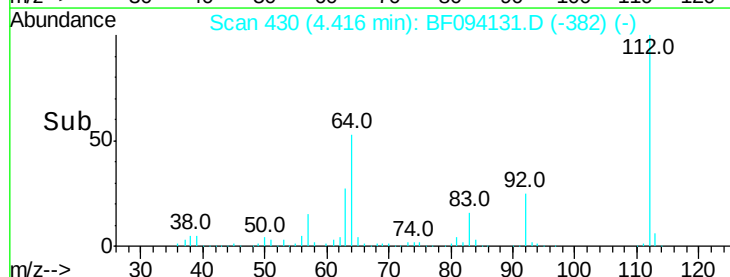
63 27.5 23.4 35.0

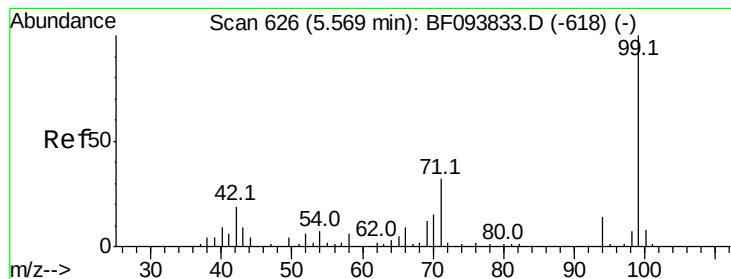


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.49 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

LSS-SP01-COMP

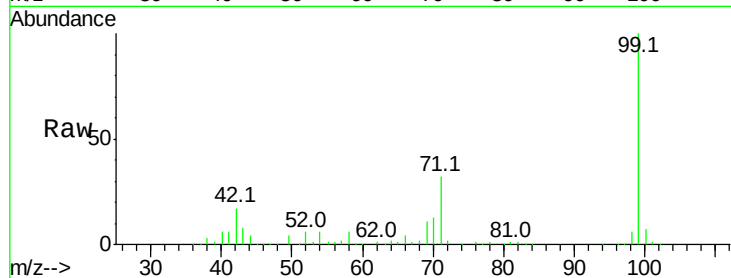
Tot Ion: 99 Resp: 323757

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

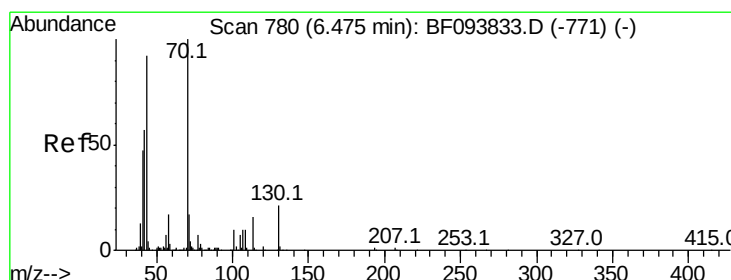
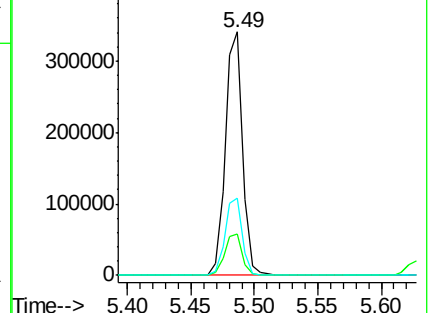
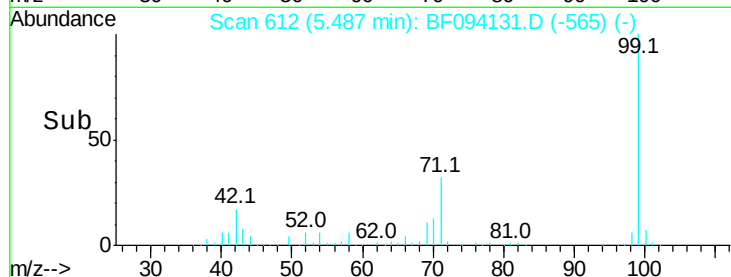
71 31.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.78 ng

RT: 6.53 min Scan# 789

Delta R.T. 0.14 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Tgt Ion: 70 Resp: 24592

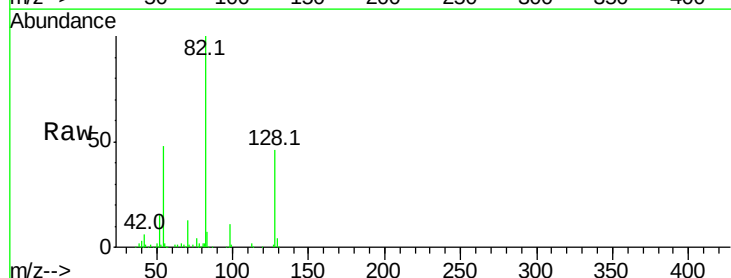
Ion Ratio Lower Upper

70 100

42 49.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

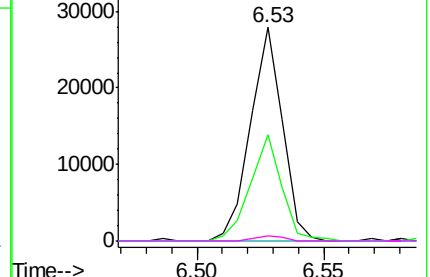
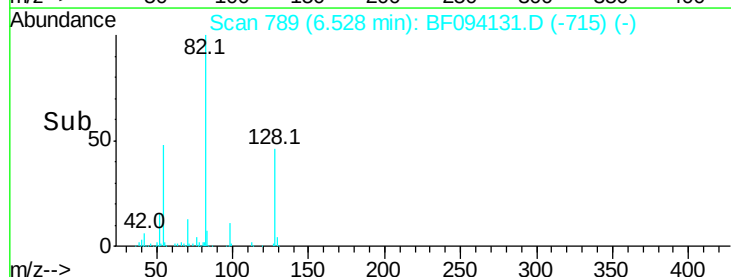


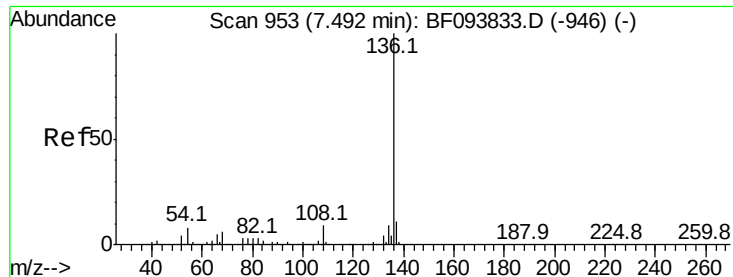
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

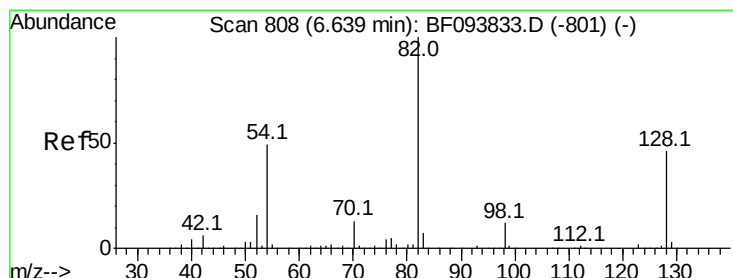
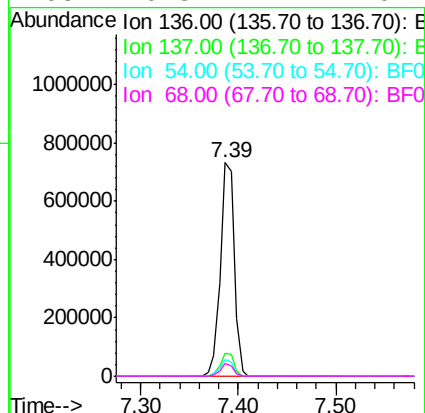
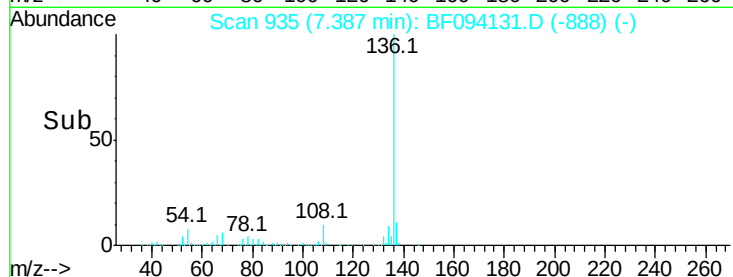
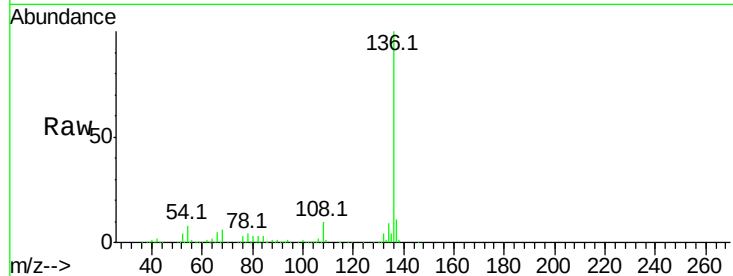




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.39 min Scan# 935  
Delta R.T. -0.02 min  
Lab File: BF094131.D  
Acq: 3 Apr 2017 20:00

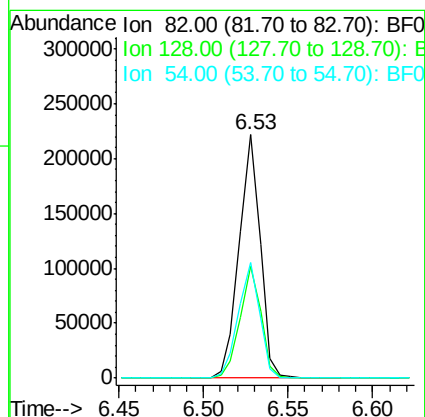
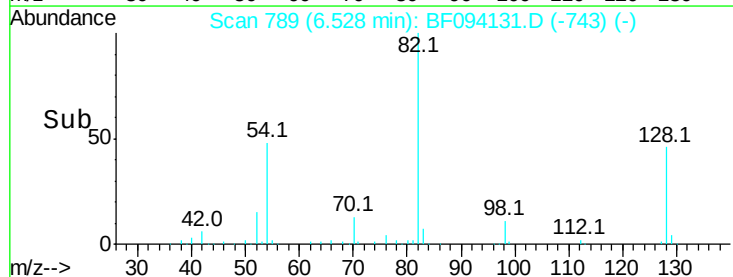
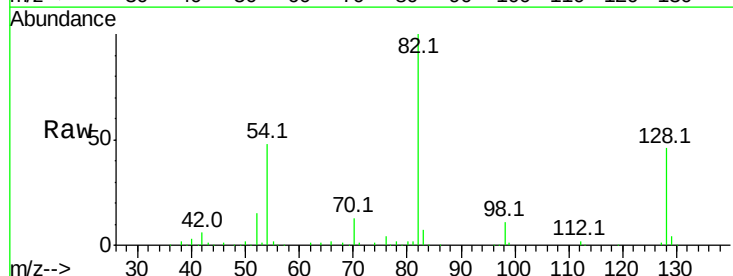
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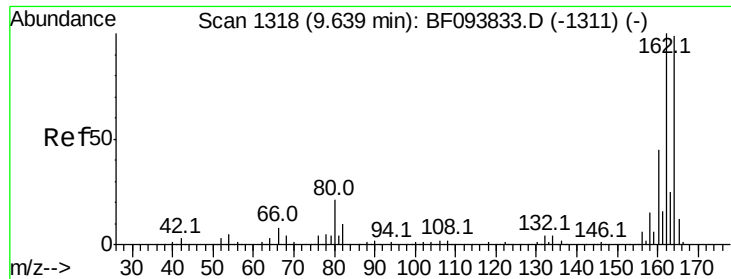
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 729067 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 7.9   | 4.9   | 7.3#   |
| 68       | 6.3   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 15.08 ng  
RT: 6.53 min Scan# 789  
Delta R.T. -0.03 min  
Lab File: BF094131.D  
Acq: 3 Apr 2017 20:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 192705 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.7  | 34.0  | 51.0   |
| 54       | 47.5  | 42.2  | 63.2   |

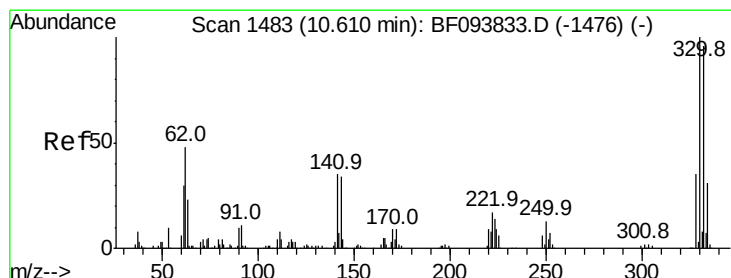
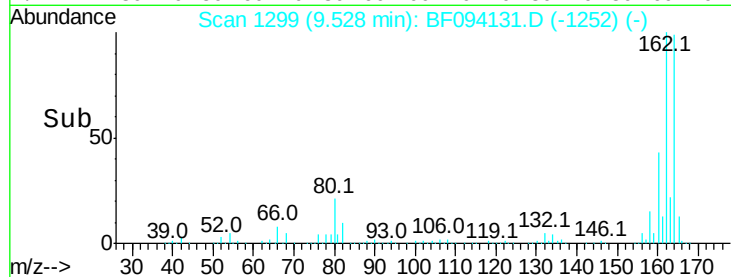
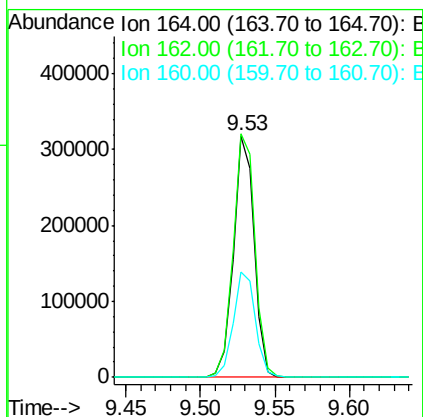
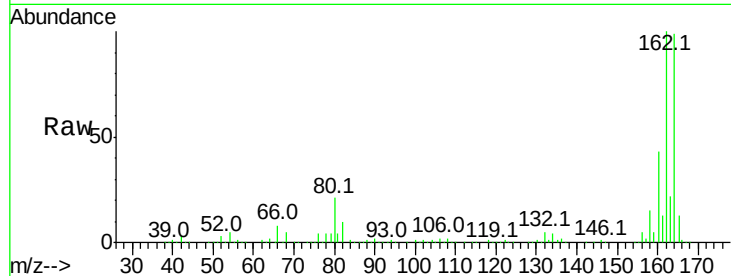




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.53 min Scan# 1299  
 Delta R.T. -0.02 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

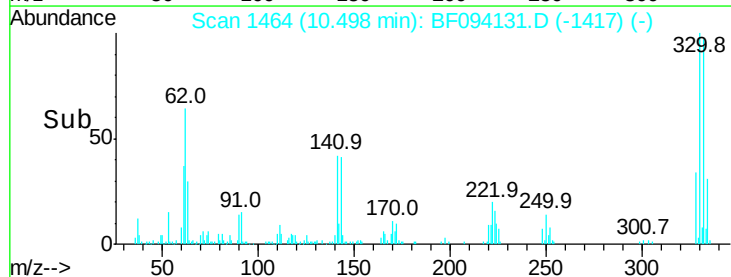
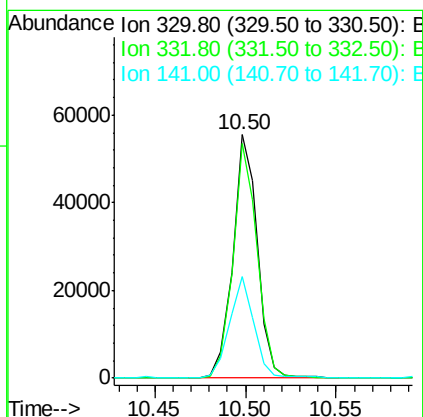
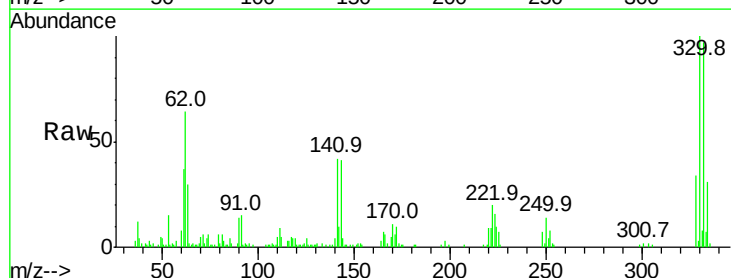
Instrument :  
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 LSS-SP01-COMP

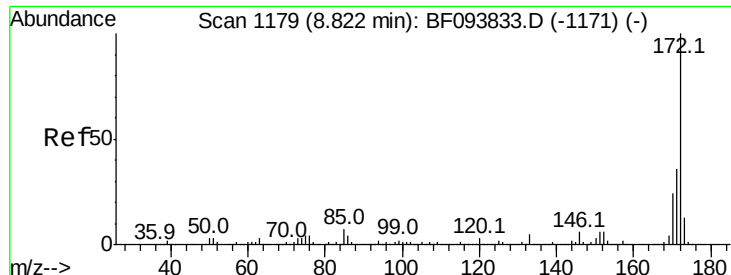
Tot Ion:164 Resp: 311292  
 Ion Ratio Lower Upper  
 164 100  
 162 100.9 82.6 123.8  
 160 43.6 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 21.19 ng  
 RT: 10.50 min Scan# 1464  
 Delta R.T. -0.02 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

Tgt Ion:330 Resp: 52130  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 76.6 115.0  
 141 42.4 31.4 47.2

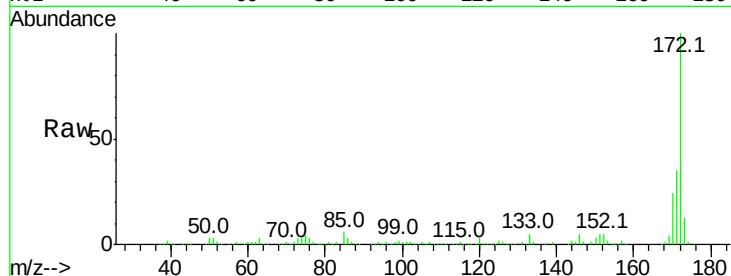




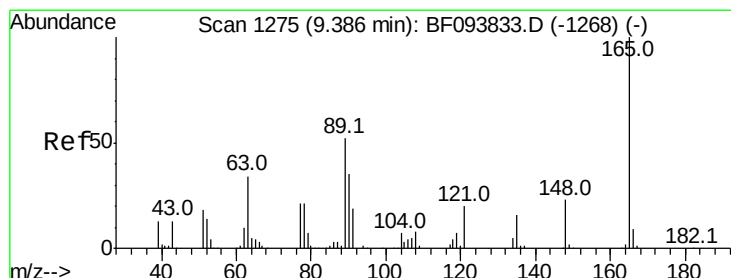
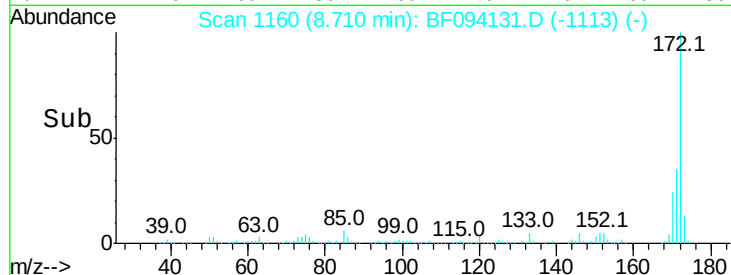
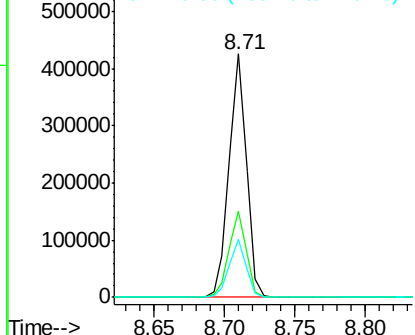
#44  
 2-Fluorobiphenyl  
 Concen: 18.05 ng  
 RT: 8.71 min Scan# 1160  
 Delta R.T. -0.02 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SP01-COMP

Tot Ion:172 Resp: 368288  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.6 44.4  
 170 23.6 19.8 29.8

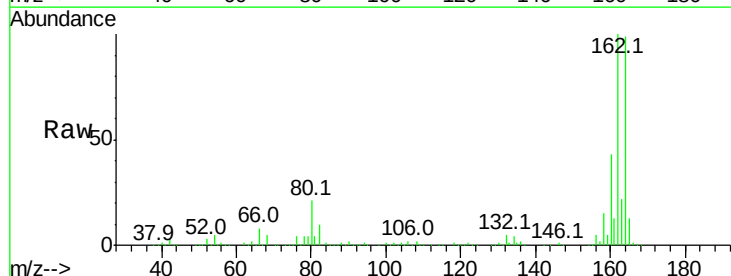


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

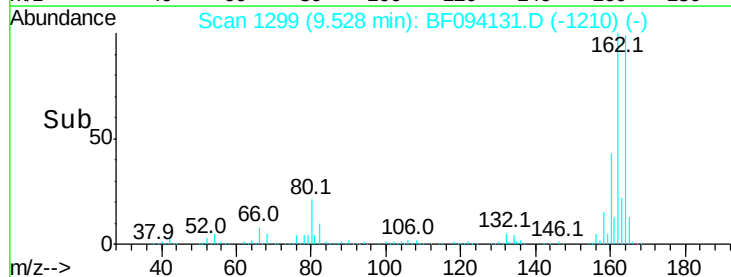
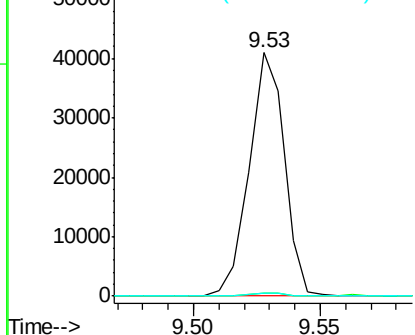


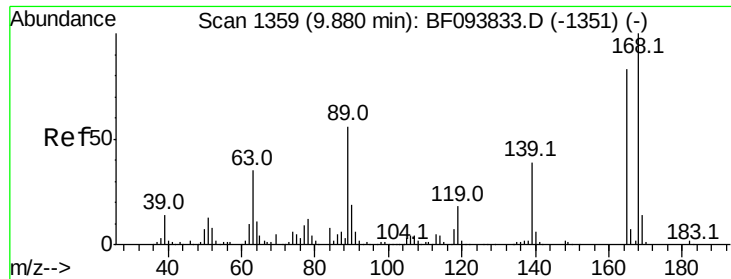
#50  
 2,6-Dinitrotoluene  
 Concen: 7.83 ng  
 RT: 9.53 min Scan# 1299  
 Delta R.T. 0.22 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

Tgt Ion:165 Resp: 39719  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 34.3 51.5#  
 89 1.1 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

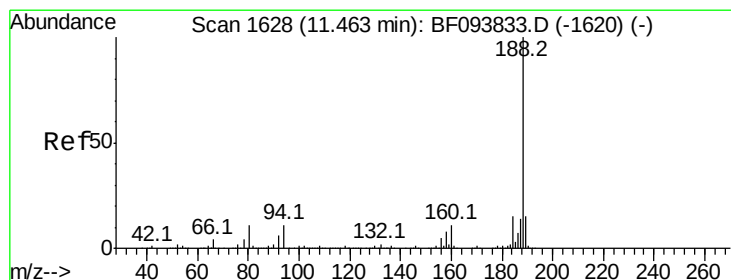
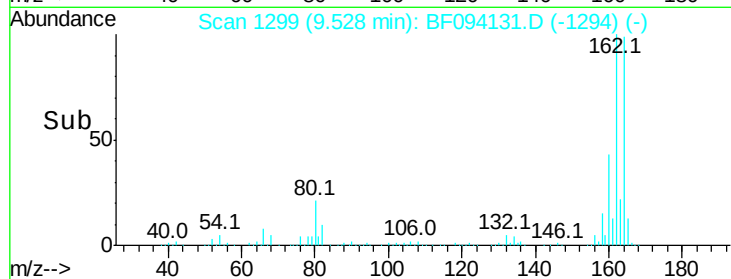
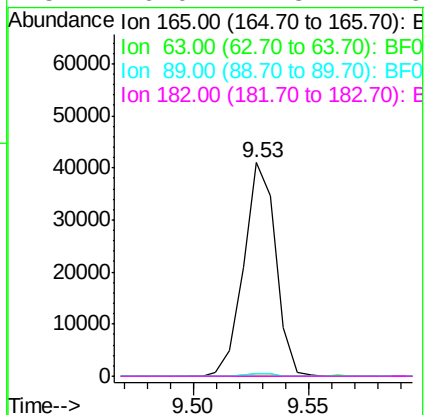
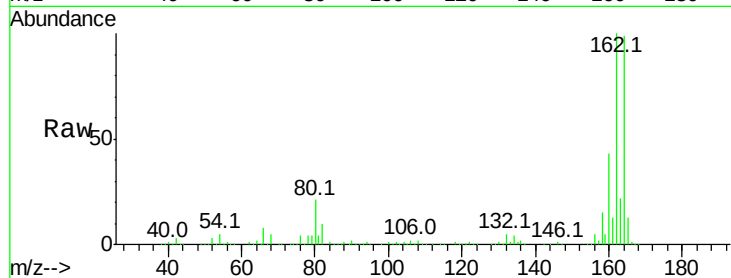




#56  
 2,4-Dinitrotoluene  
 Concen: 6.23 ng  
 RT: 9.53 min Scan# 1299  
 Delta R.T. -0.27 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

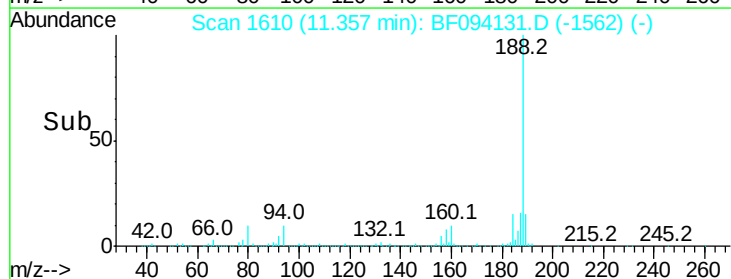
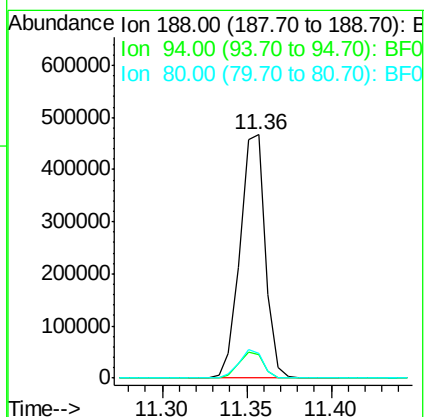
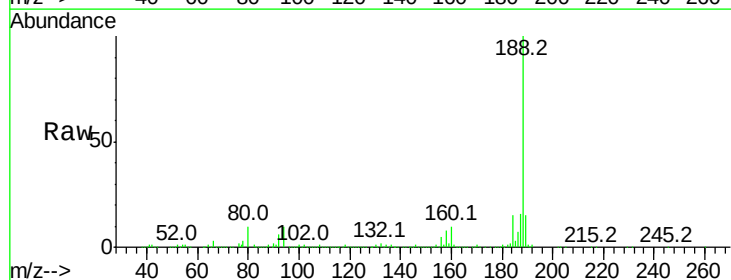
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SP01-COMP

Tot Ion:165 Resp: 39720  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 25.4 38.0#  
 89 1.1 46.4 69.6#  
 182 0.0 1.8 2.6#

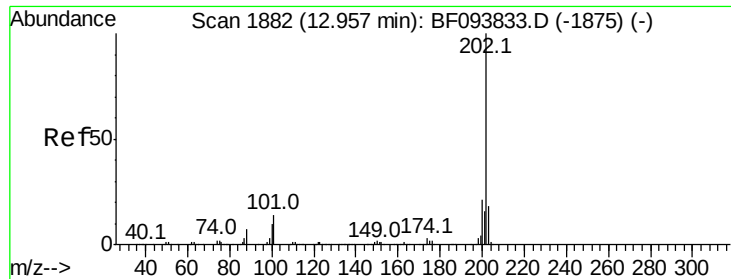


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 1610  
 Delta R.T. -0.02 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

Tgt Ion:188 Resp: 485228  
 Ion Ratio Lower Upper  
 188 100  
 94 9.9 9.4 14.2  
 80 10.1 10.2 15.2#







#74

Fluoranthene

Concen: 2.35 ng

RT: 12.84 min Scan# 1863

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

LSS-SP01-COMP

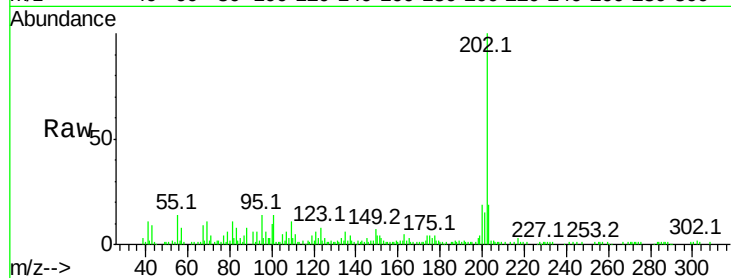
Tot Ion:202 Resp: 64889

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

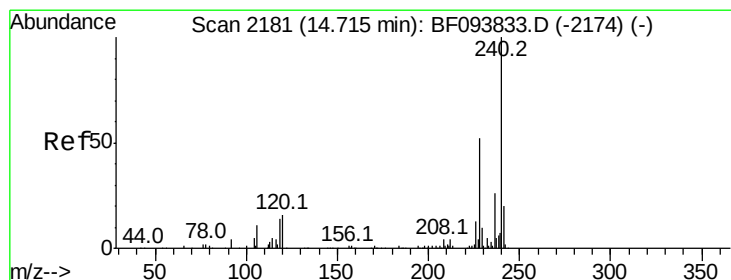
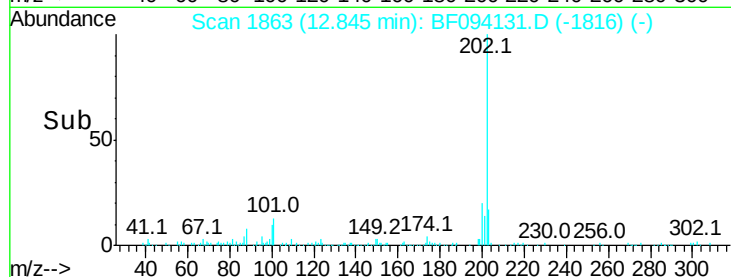
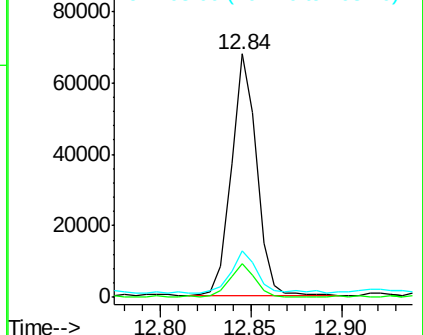
203 19.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

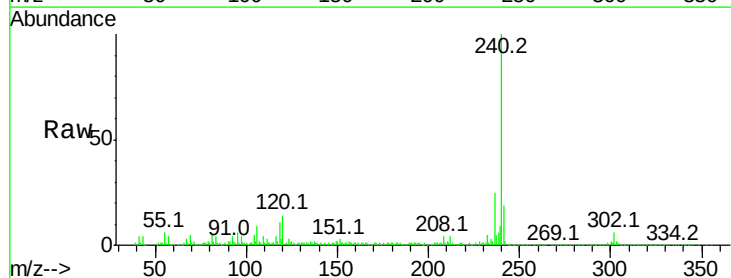
Tgt Ion:240 Resp: 317014

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

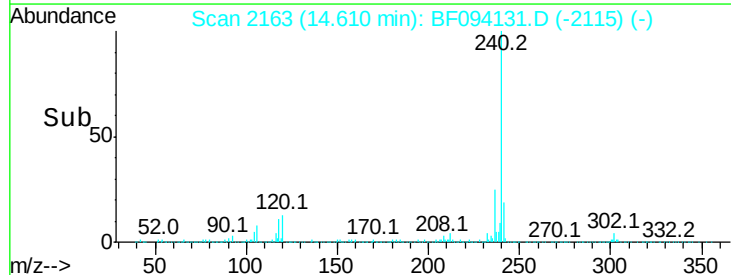
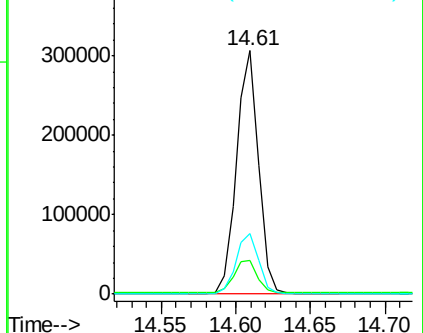
236 25.0 20.5 30.7

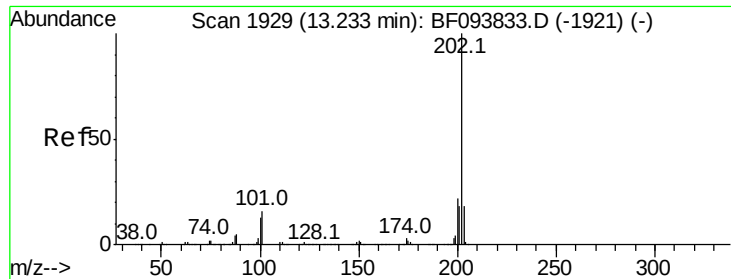


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

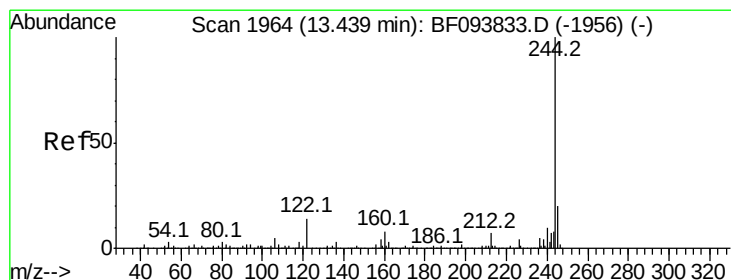
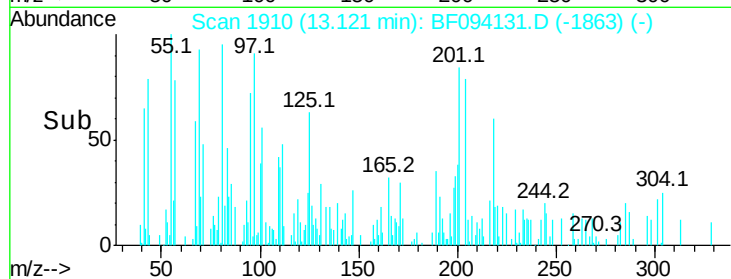
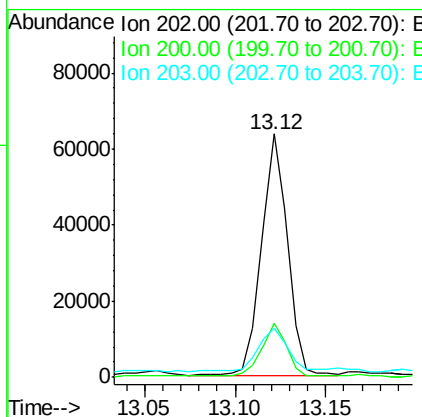
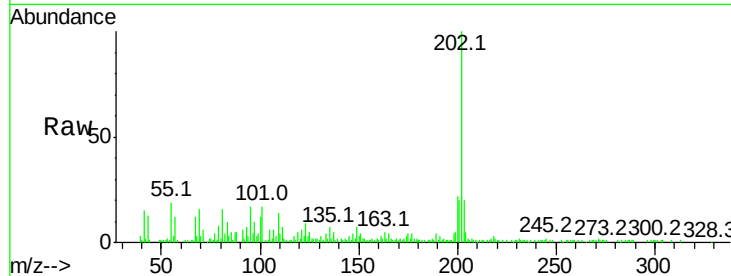




#77  
Pvrene  
Concen: 2.77 ng  
RT: 13.12 min Scan# 1910  
Delta R.T. -0.02 min  
Lab File: BF094131.D  
Acq: 3 Apr 2017 20:00

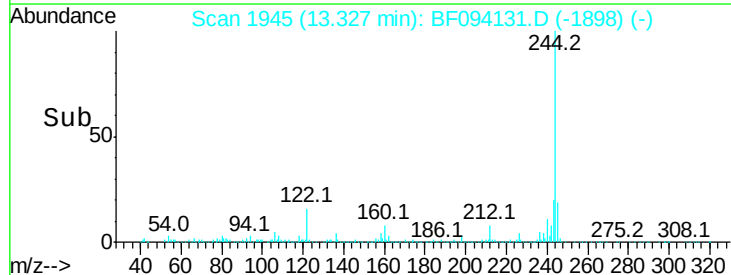
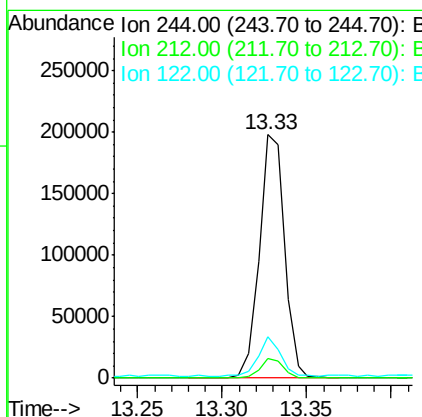
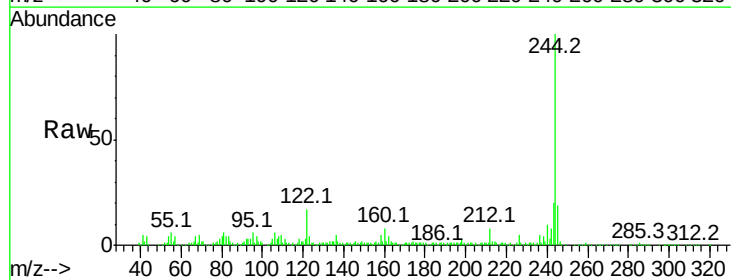
Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SP01-COMP

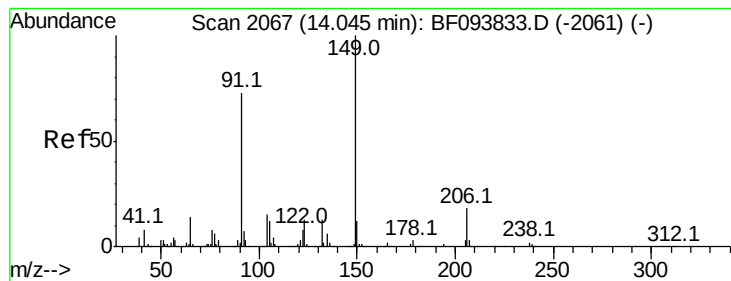
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.1  | 17.6  | 26.4  |
| 203     | 20.1  | 14.4  | 21.6  |



#78  
Terphenyl-d14  
Concen: 14.46 ng  
RT: 13.33 min Scan# 1945  
Delta R.T. -0.02 min  
Lab File: BF094131.D  
Acq: 3 Apr 2017 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 6.0   | 9.0   |
| 122     | 16.8  | 10.3  | 15.5  |





#79

Butylbenzylphthalate

Concen: 3.91 ng

RT: 13.94 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :

BNA\_F

ClientSampleID :

LSS-SP01-COMP

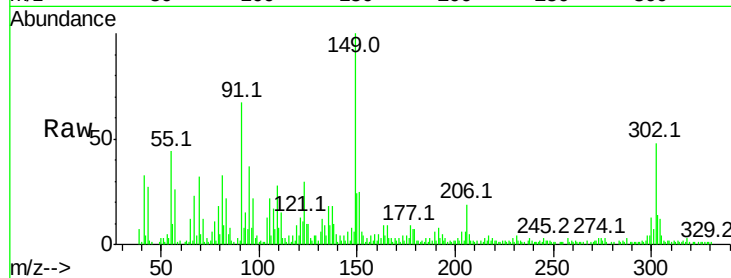
Tot Ion:149 Resp: 38324

Ion Ratio Lower Upper

149 100

91 66.7 45.0 67.4

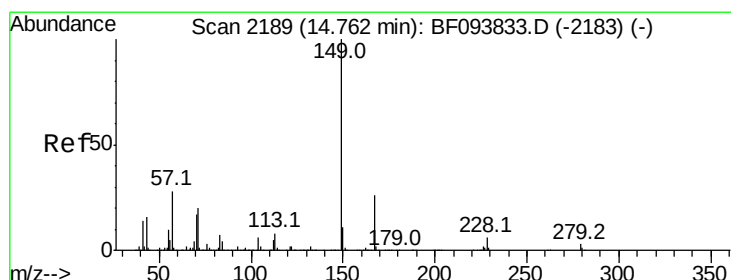
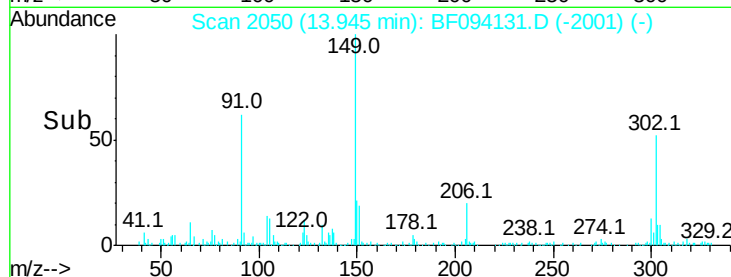
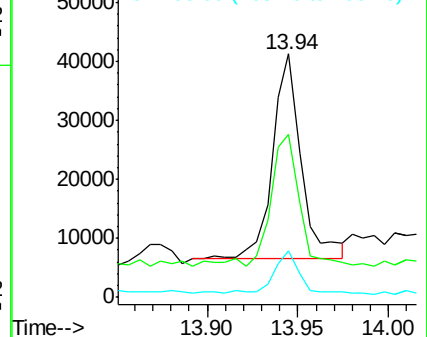
206 19.1 17.0 25.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.32 ng

RT: 14.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

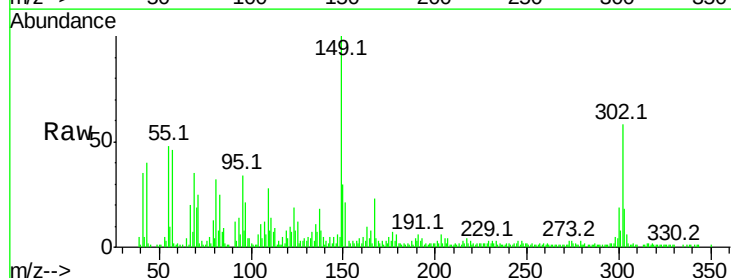
Tgt Ion:149 Resp: 57735

Ion Ratio Lower Upper

149 100

167 22.6 21.0 31.4

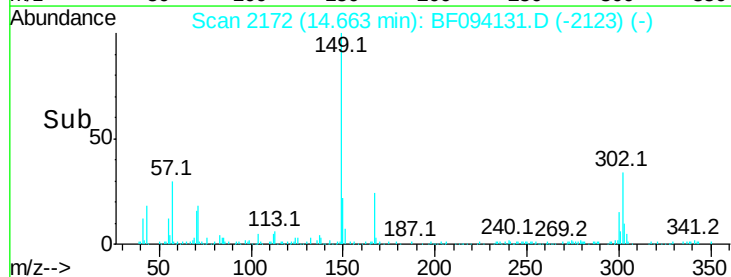
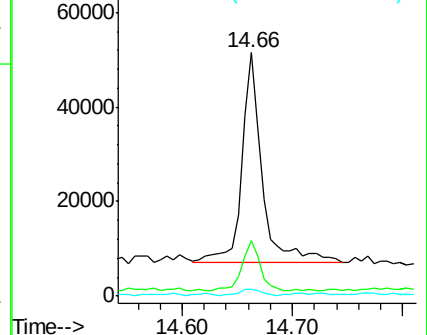
279 2.7 1.9 2.9

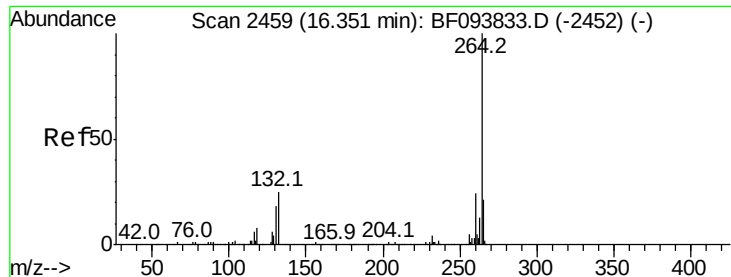


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :

BNA\_F

ClientSampleId :

LSS-SP01-COMP

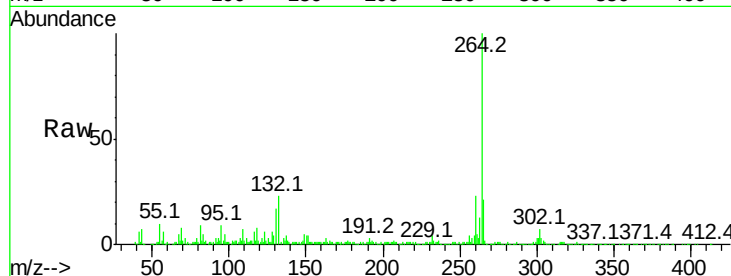
Tot Ion:264 Resp: 296394

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

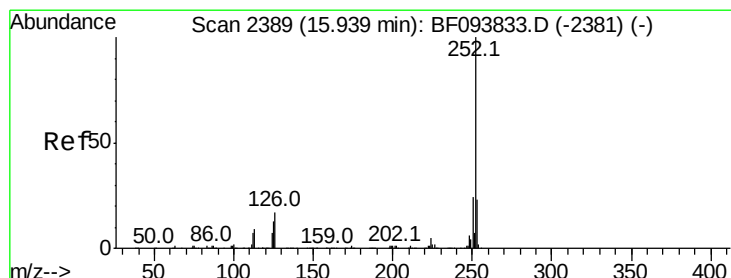
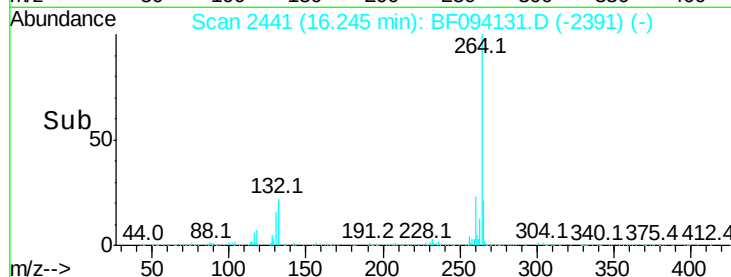
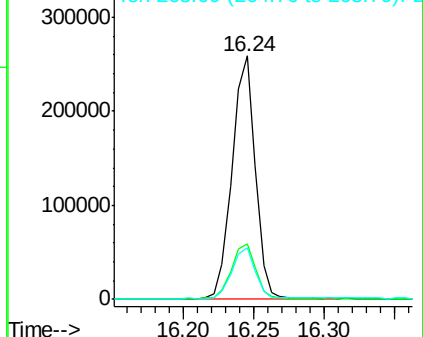
265 21.4 17.2 25.8



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



#87

Benzo(b)fluoranthene

Concen: 3.65 ng

RT: 15.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

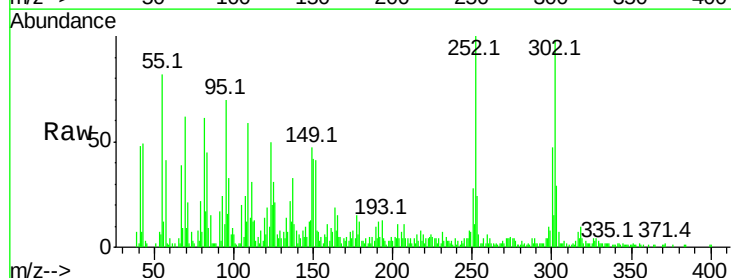
Tgt Ion:252 Resp: 66248

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

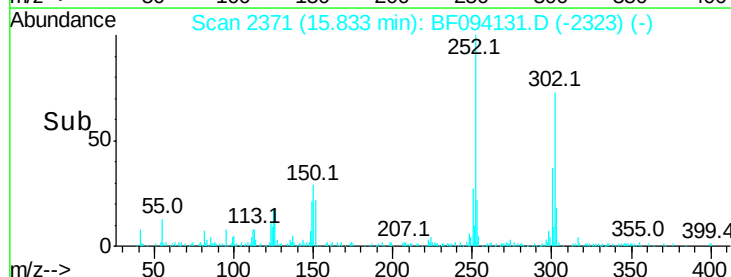
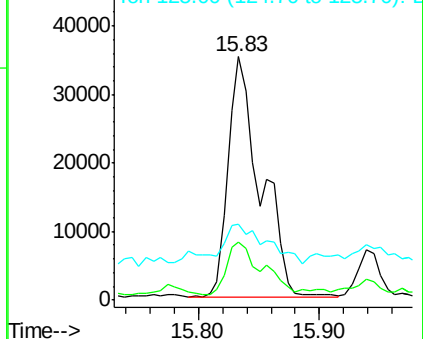
125 31.1 9.8 14.8#

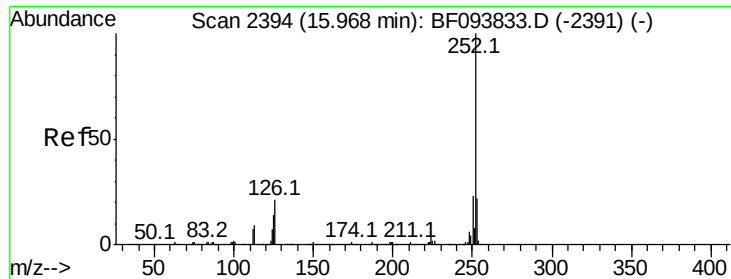


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.73 ng

RT: 15.83 min Scan# 2371

Delta R.T. -0.05 min

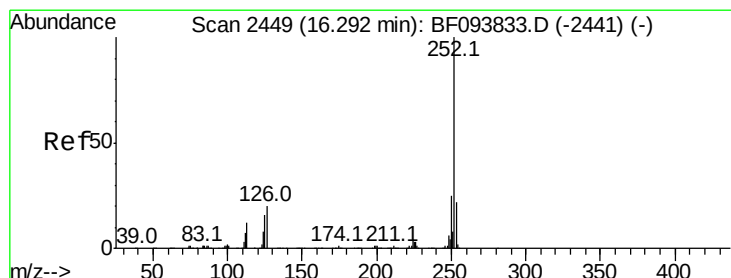
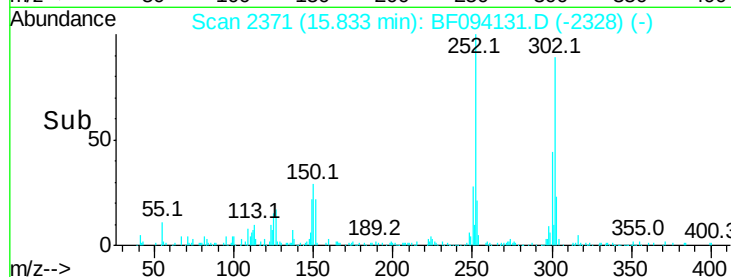
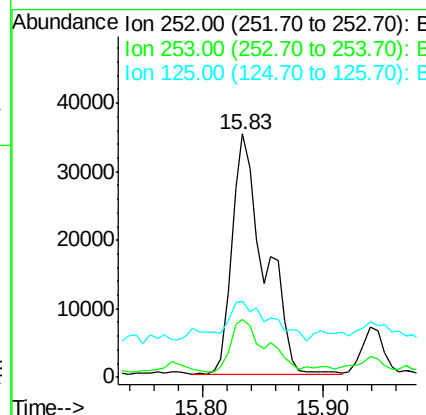
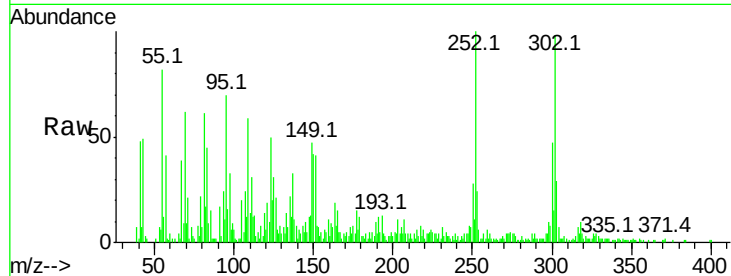
Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SP01-COMP

Tot Ion:252 Resp: 66248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.6  | 18.4  | 27.6  |
| 125 | 31.1  | 13.1  | 19.7# |



#89

Benzo(a)pyrene

Concen: 2.11 ng

RT: 16.18 min Scan# 2430

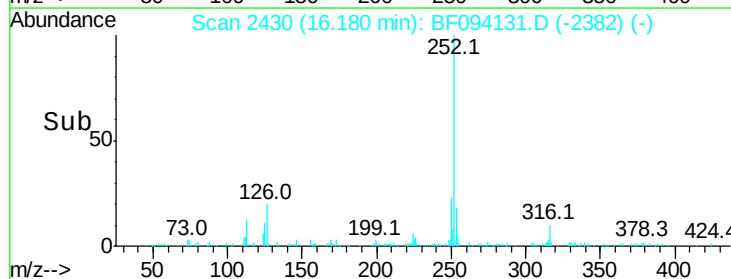
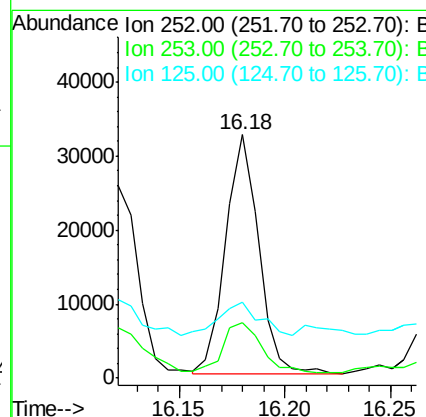
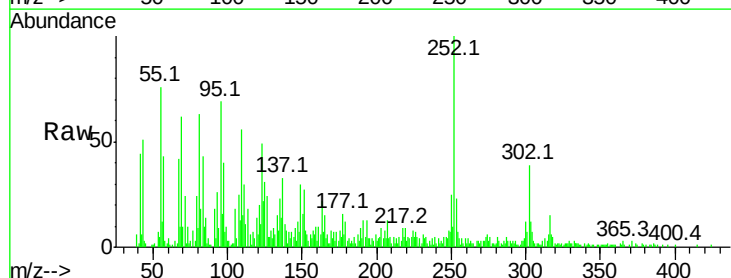
Delta R.T. -0.02 min

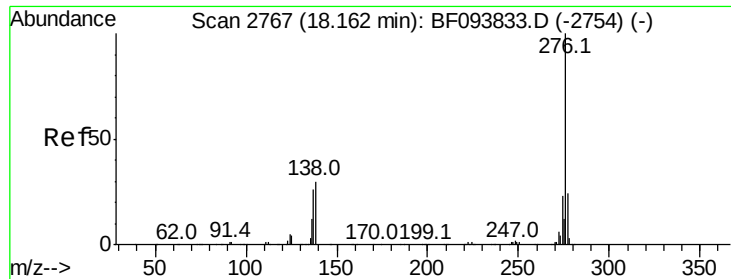
Lab File: BF094131.D

Acq: 3 Apr 2017 20:00

Tgt Ion:252 Resp: 35300

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.7  | 17.5  | 26.3  |
| 125 | 30.9  | 11.0  | 16.4# |





#91  
 Benzo(a,h,i)perylene  
 Concen: 2.38 ng  
 RT: 17.97 min Scan# 2735  
 Delta R.T. -0.04 min  
 Lab File: BF094131.D  
 Acq: 3 Apr 2017 20:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SP01-COMP

Tot Ion:276 Resp: 33989  
 Ion Ratio Lower Upper  
 276 100  
 277 26.4 18.6 28.0  
 138 40.6 25.4 38.0#

