

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071416\  
 Data File : BF089012.D  
 Acq On : 15 Jul 2016 4:20  
 Operator : UM/SJ  
 Sample : H3972-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SS-SS01(0-2in)

Quant Time: Jul 15 05:24:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.68  | 152  | 44339    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.98  | 136  | 179062   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.72  | 164  | 72397    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.20 | 188  | 122622   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.84 | 240  | 79218    | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.21 | 264  | 62349    | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.29  | 112 | 244990 | 82.81 | ng | 0.00  |
| 7) Phenol-d6                | 6.34  | 99  | 290766 | 76.06 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.26  | 82  | 186843 | 54.68 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330 | 46234  | 68.77 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.05  | 172 | 278853 | 60.84 | ng | -0.02 |
| 78) Terphenyl-d14           | 12.79 | 244 | 223552 | 62.85 | ng | -0.01 |

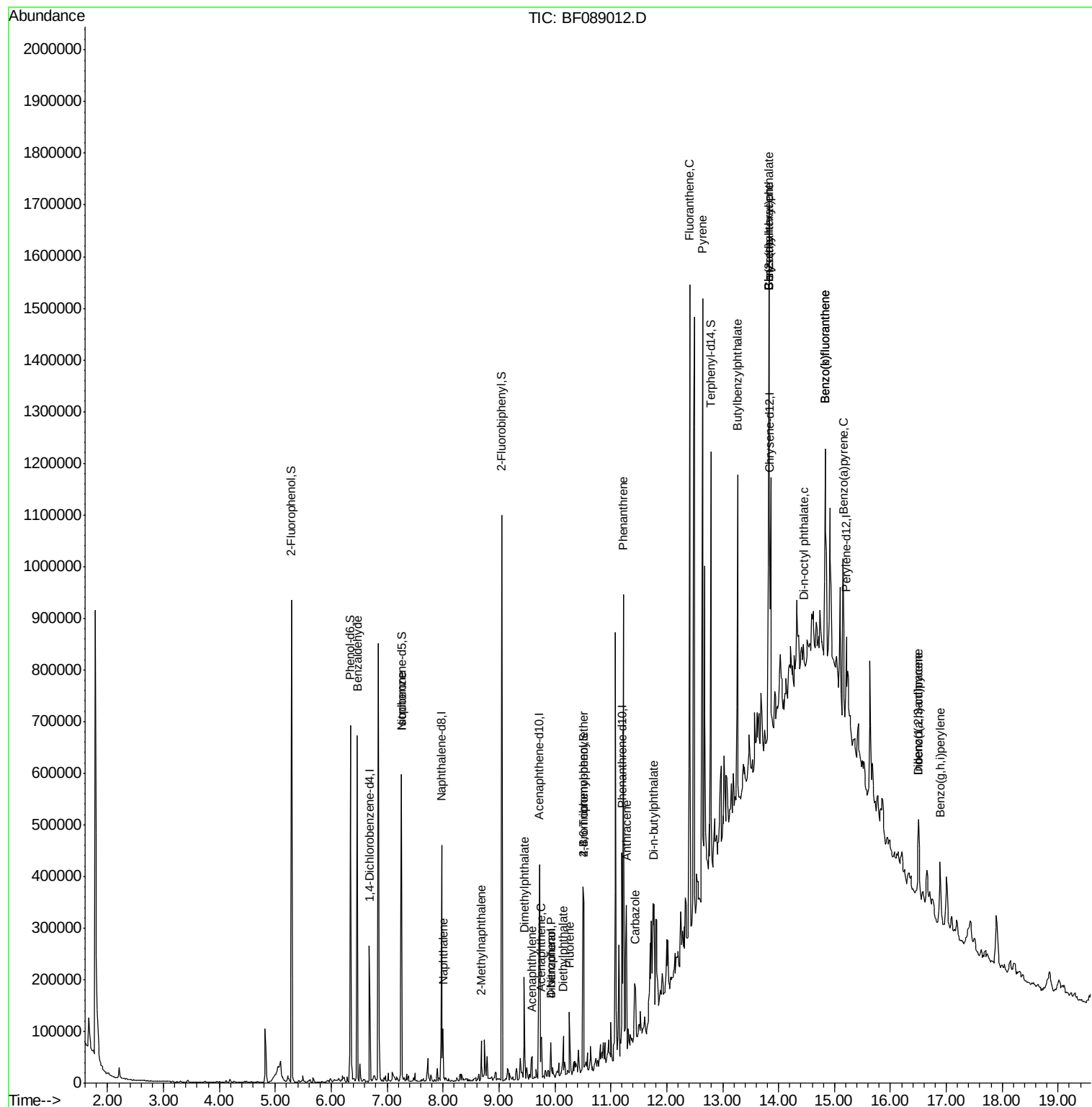
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 9) Benzaldehyde                | 6.47  | 77  | 6058   | 2.34   | ng | 82    |
| 25) Isophorone                 | 7.26  | 82  | 146754 | 23.19  | ng | # 65  |
| 31) Naphthalene                | 8.00  | 128 | 40176  | 4.55   | ng | 98    |
| 37) 2-Methylnaphthalene        | 8.68  | 142 | 17311  | 3.05   | ng | # 90  |
| 48) Acenaphthylene             | 9.59  | 152 | 23340  | 3.12   | ng | 98    |
| 49) Dimethylphthalate          | 9.45  | 163 | 70843  | 13.74  | ng | 99    |
| 51) Acenaphthene               | 9.76  | 154 | 23050  | 5.02   | ng | 97    |
| 54) Dibenzofuran               | 9.93  | 168 | 26220  | 4.36   | ng | # 97  |
| 55) 4-Nitrophenol              | 9.93  | 139 | 10716  | 9.70   | ng | # 10  |
| 57) Fluorene                   | 10.26 | 166 | 36602  | 7.91   | ng | 96    |
| 59) Diethylphthalate           | 10.15 | 149 | 18748  | 3.62   | ng | 99    |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248 | 3951   | 3.20   | ng | # 1   |
| 70) Phenanthrene               | 11.22 | 178 | 411430 | 61.38  | ng | 99    |
| 71) Anthracene                 | 11.28 | 178 | 131116 | 19.67  | ng | 98    |
| 72) Carbazole                  | 11.44 | 167 | 55038  | 8.77   | ng | 99    |
| 73) Di-n-butylphthalate        | 11.77 | 149 | 60422  | 8.28   | ng | # 98  |
| 74) Fluoranthene               | 12.41 | 202 | 545246 | 80.24  | ng | 98    |
| 77) Pyrene                     | 12.64 | 202 | 477202 | 71.05  | ng | 99    |
| 79) Butylbenzylphthalate       | 13.27 | 149 | 149426 | 49.87  | ng | # 84  |
| 80) Benzo(a)anthracene         | 13.83 | 228 | 223325 | 43.78  | ng | 98    |
| 82) Chrysene                   | 13.83 | 228 | 223325 | 44.25  | ng | 97    |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 134992 | 39.47  | ng | 95    |
| 84) Di-n-octyl phthalate       | 14.45 | 149 | 30595  | 5.26   | ng | # 100 |
| 85) Indeno(1,2,3-cd)pyrene     | 16.50 | 276 | 86798  | 22.35  | ng | # 100 |
| 87) Benzo(b)fluoranthene       | 14.83 | 252 | 277654 | 70.99  | ng | # 91  |
| 88) Benzo(k)fluoranthene       | 14.83 | 252 | 277654 | 81.55  | ng | # 96  |
| 89) Benzo(a)pyrene             | 15.15 | 252 | 128991 | 38.95  | ng | # 95  |
| 90) Dibenzo(a,h)anthracene     | 16.50 | 278 | 26541  | 9.60   | ng | # 79  |
| 91) Benzo(g,h,i)perylene       | 16.89 | 276 | 83435  | 29.16  | ng | 98    |

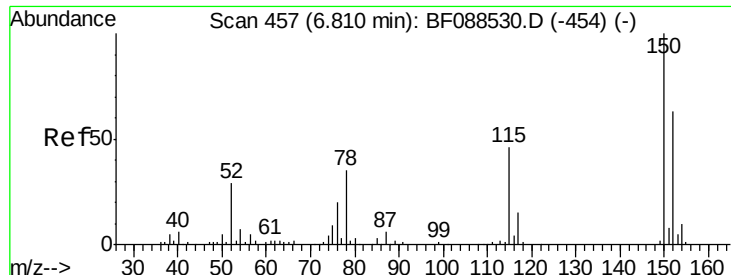
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LSS-SS-SS01(0-2in)

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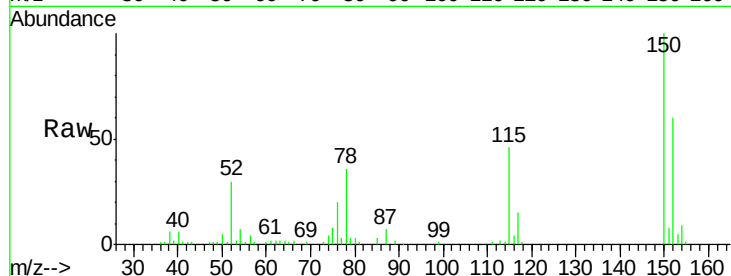




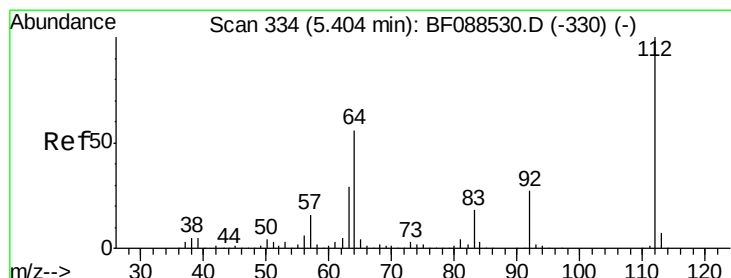
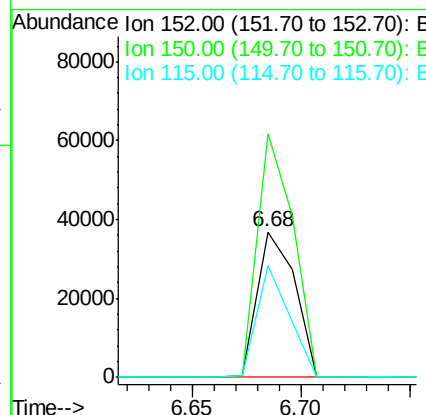
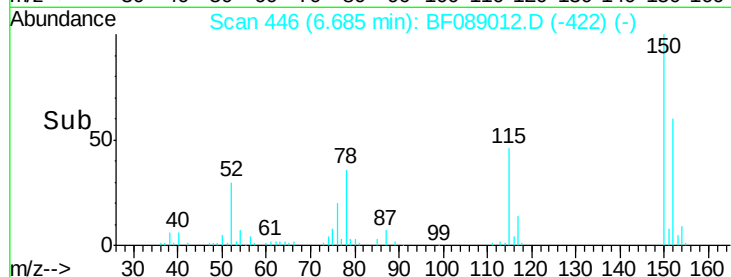
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.68 min Scan# 446  
 Delta R.T. -0.02 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SS-SS01(0-2in)

Tgt Ion:152 Resp: 44339  
 Ion Ratio Lower Upper  
 152 100  
 150 167.3 123.8 185.6  
 115 77.0 39.6 59.4#

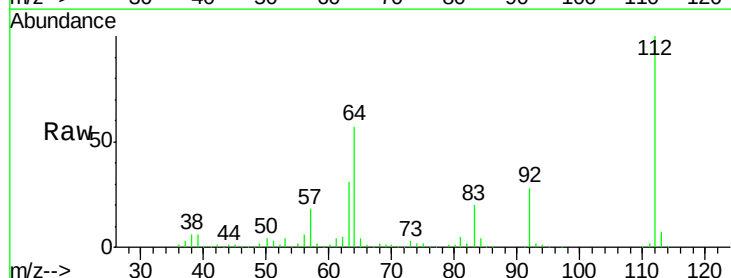


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

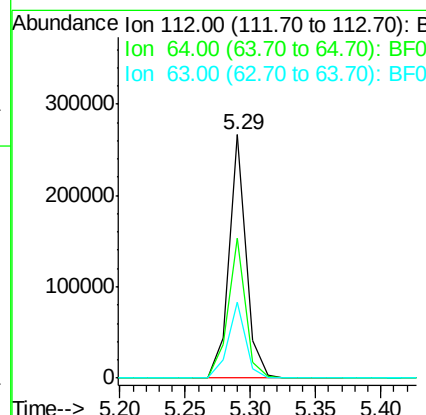
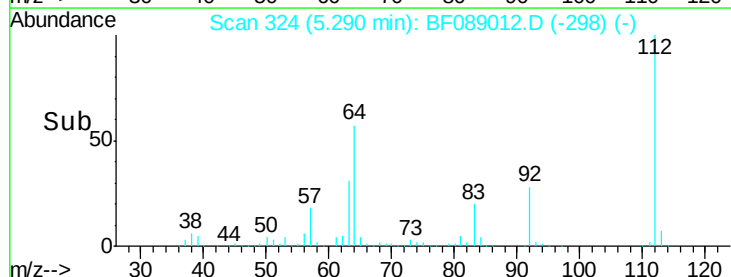


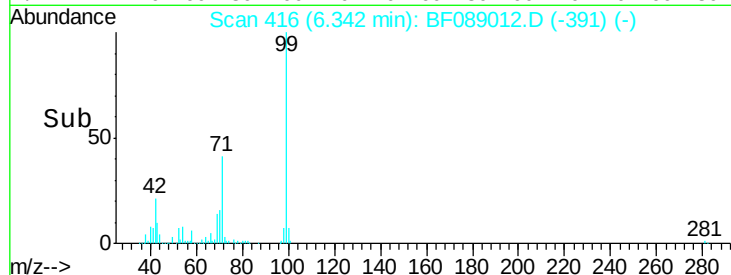
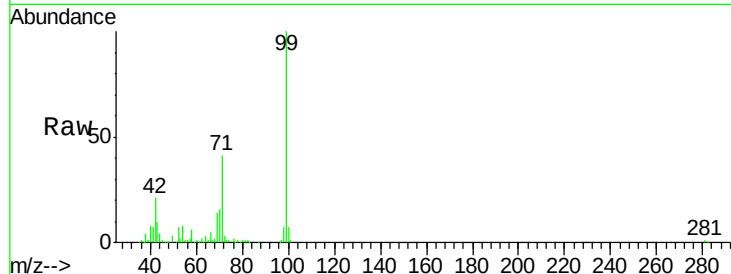
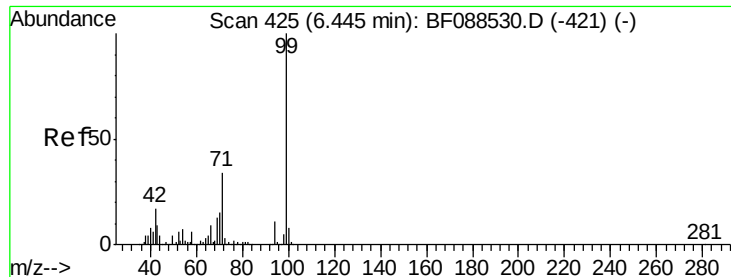
#5  
 2-Fluorophenol  
 Concen: 82.81 ng  
 RT: 5.29 min Scan# 324  
 Delta R.T. 0.00 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Tgt Ion:112 Resp: 244990  
 Ion Ratio Lower Upper  
 112 100  
 64 57.4 42.2 63.2  
 63 31.4 21.8 32.8



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: 76.06 ng

RT: 6.34 min Scan# 416

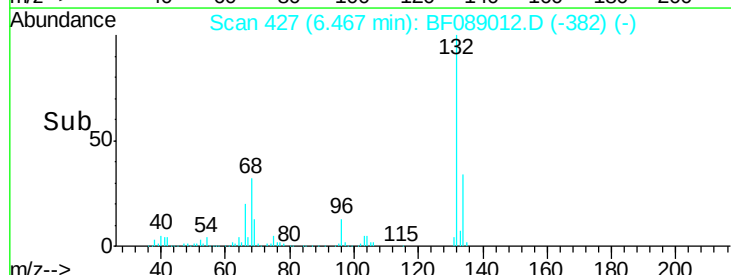
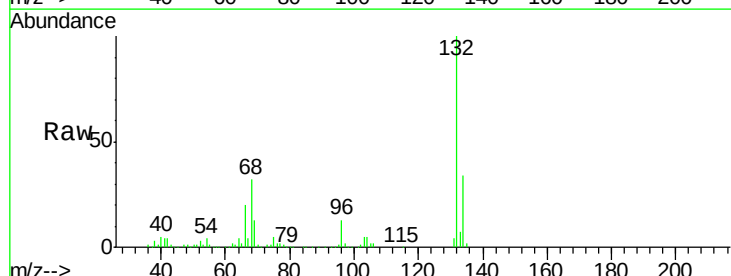
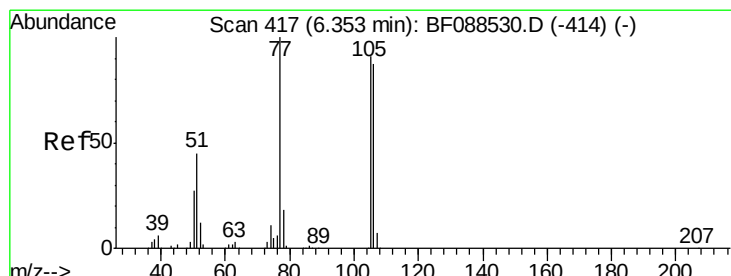
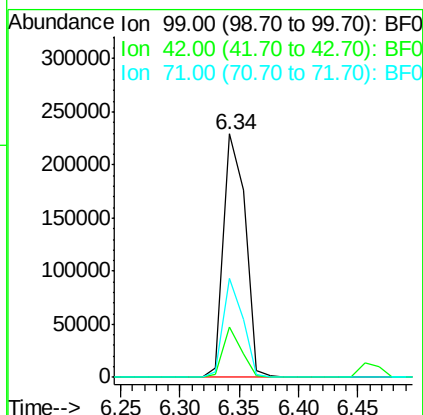
Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 20.9  | 12.2  | 18.2# |
| 71      | 40.8  | 23.4  | 35.0# |

Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SS-SS01(0-2in)



#9

Benzaldehyde

Concen: 2.34 ng

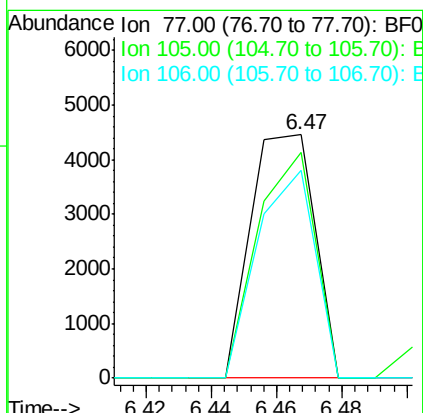
RT: 6.47 min Scan# 427

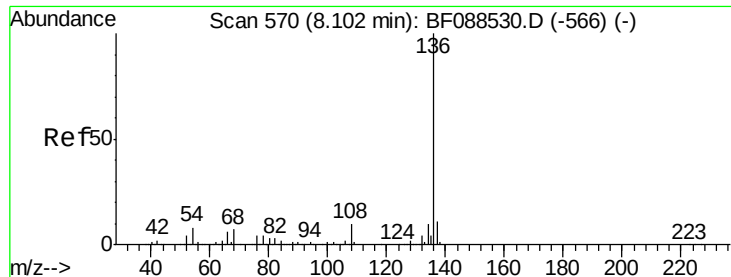
Delta R.T. 0.22 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 92.6  | 90.6  | 130.6 |
| 106     | 85.5  | 85.3  | 125.3 |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

Tgt Ion: 136 Resp: 179062

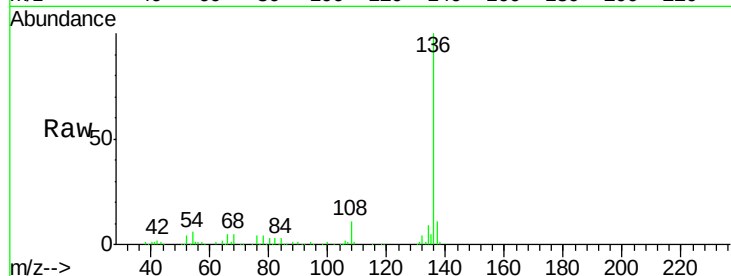
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.5 6.6 10.0#

68 5.2 5.1 7.7

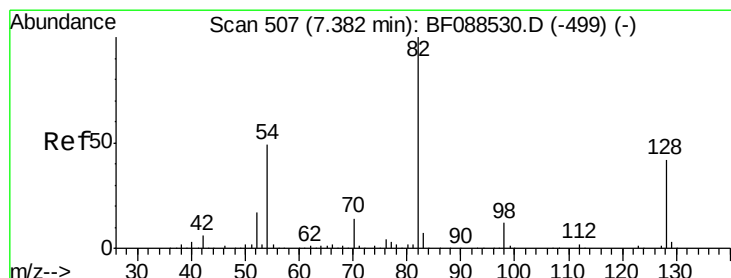
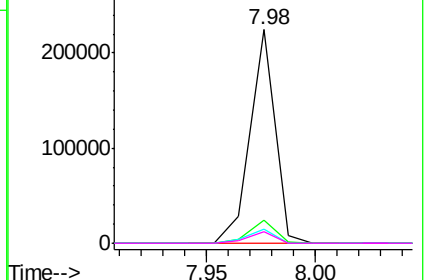
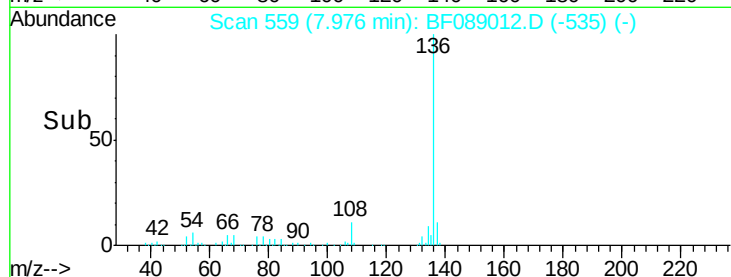


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.68 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

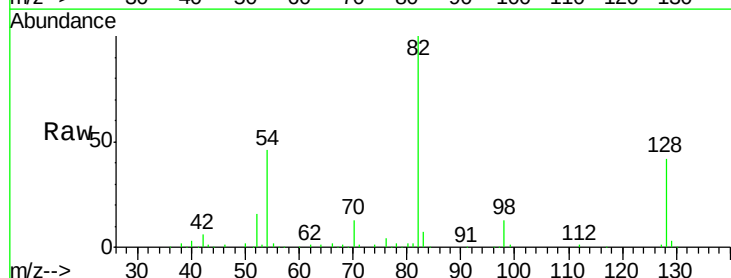
Tgt Ion: 82 Resp: 186843

Ion Ratio Lower Upper

82 100

128 42.4 35.9 53.9

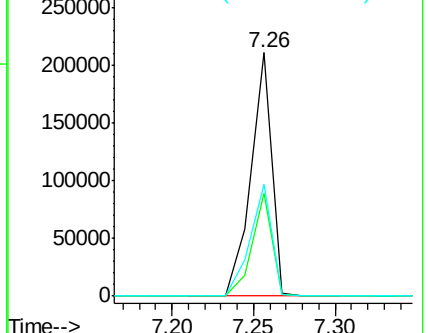
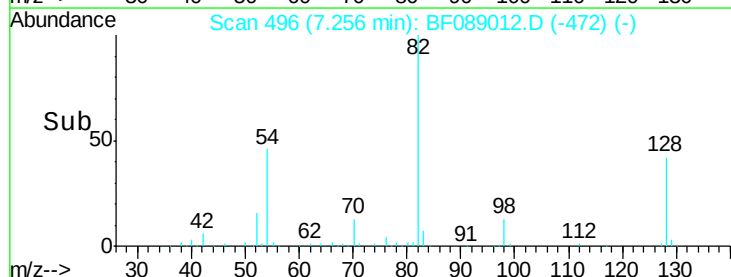
54 46.1 40.9 61.3

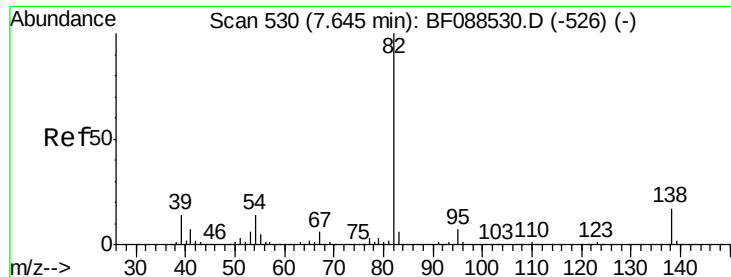


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 23.19 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

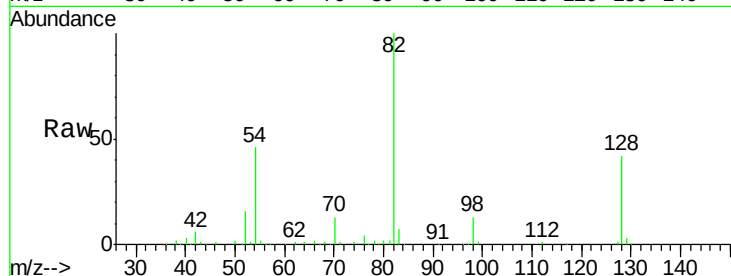
Tgt Ion: 82 Resp: 146754

Ion Ratio Lower Upper

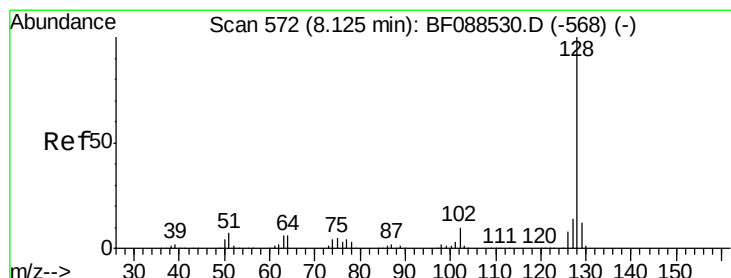
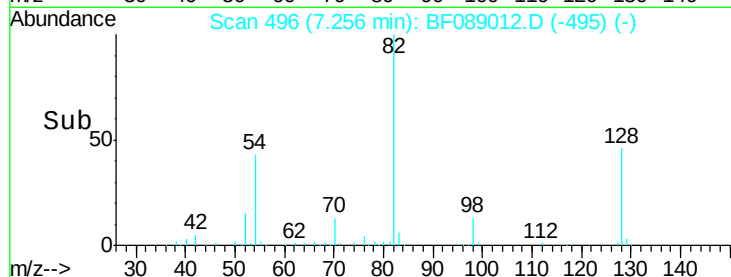
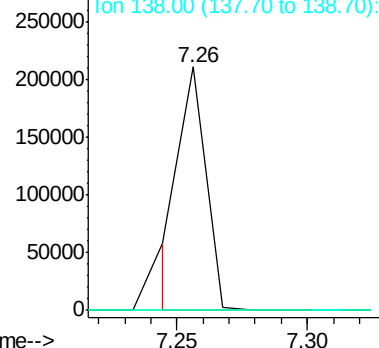
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 4.55 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

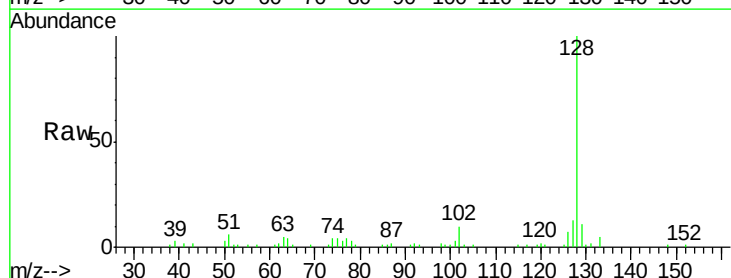
Tgt Ion: 128 Resp: 40176

Ion Ratio Lower Upper

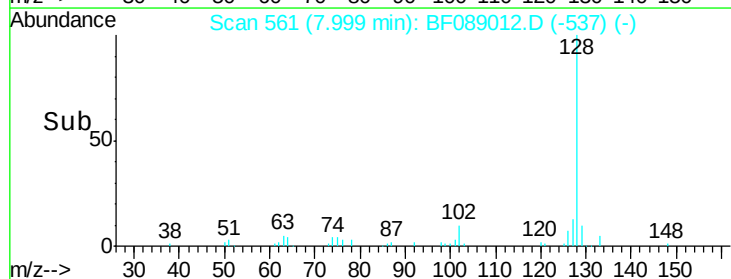
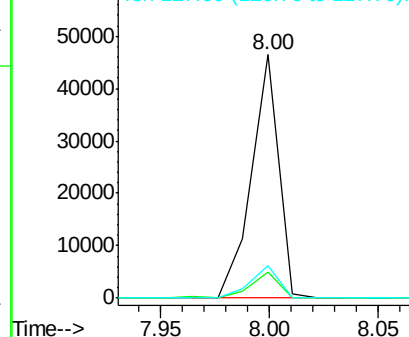
128 100

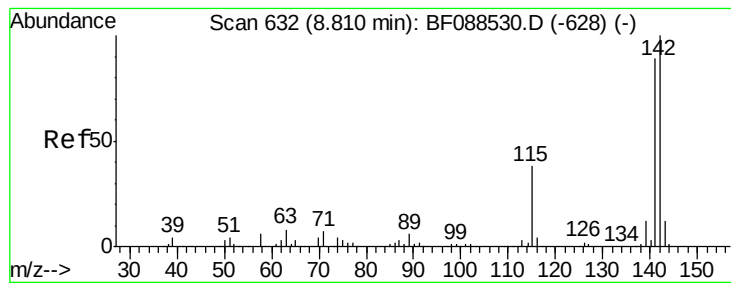
129 10.9 9.4 14.2

127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

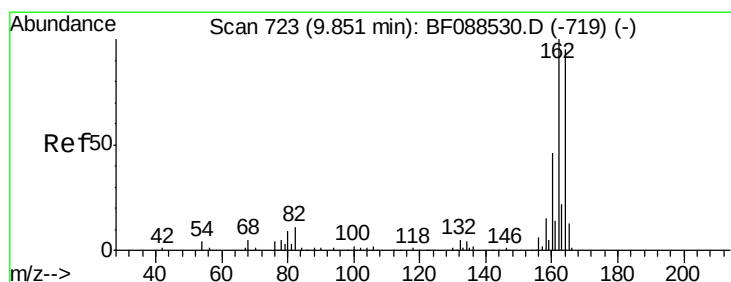
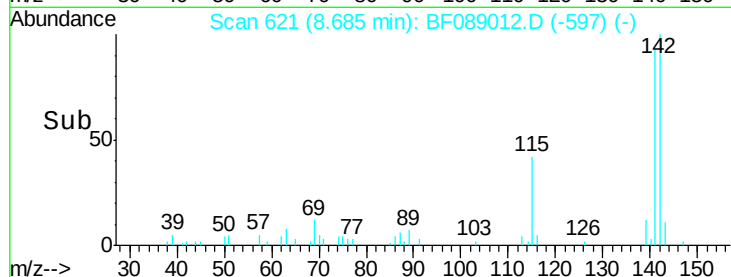
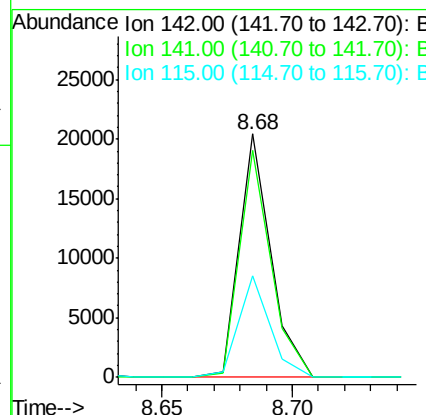
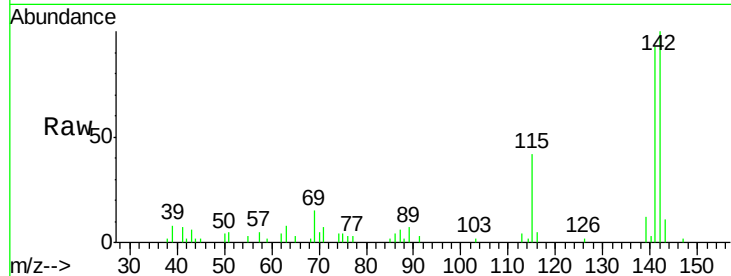




#37  
2-Methylnaphthalene  
Concen: 3.05 ng  
RT: 8.68 min Scan# 621  
Delta R.T. -0.02 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

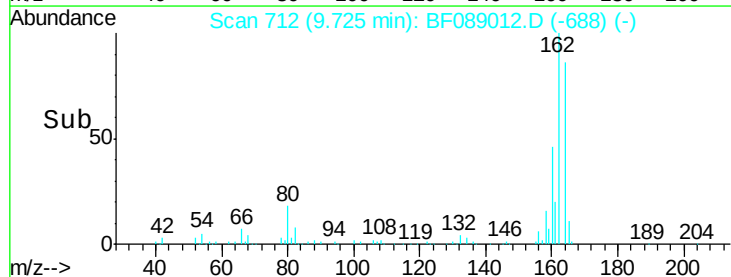
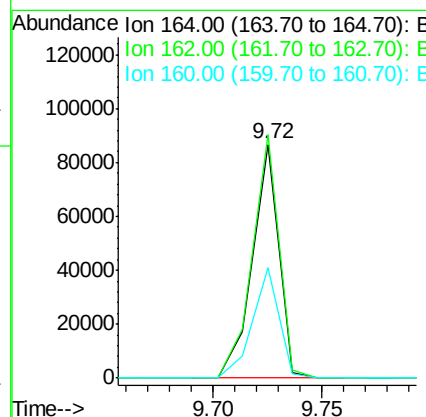
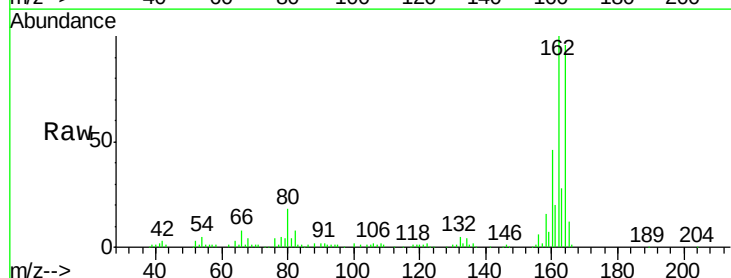
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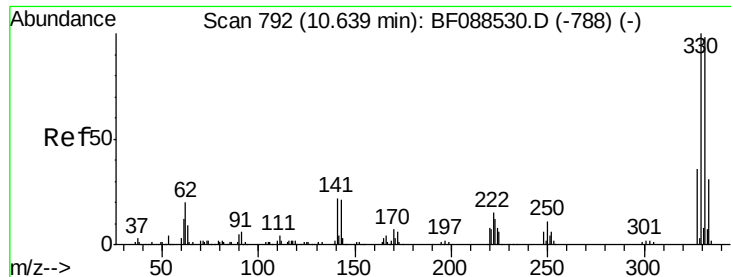
Tgt Ion:142 Resp: 17311  
Ion Ratio Lower Upper  
142 100  
141 93.4 71.0 106.6  
115 41.7 22.6 33.8#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.72 min Scan# 712  
Delta R.T. -0.02 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

Tgt Ion:164 Resp: 72397  
Ion Ratio Lower Upper  
164 100  
162 104.2 85.4 128.2  
160 47.4 39.5 59.3

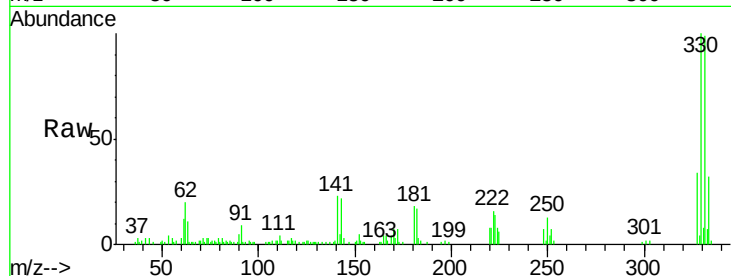




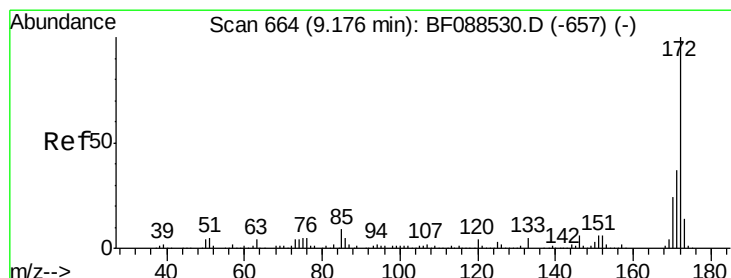
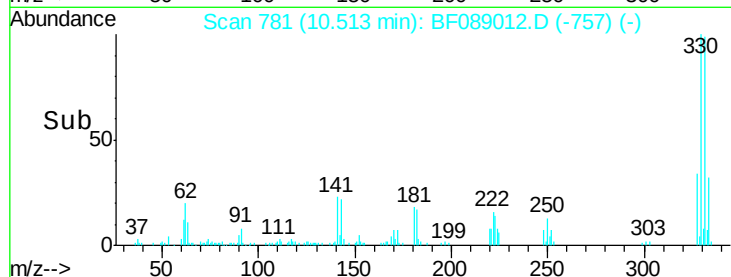
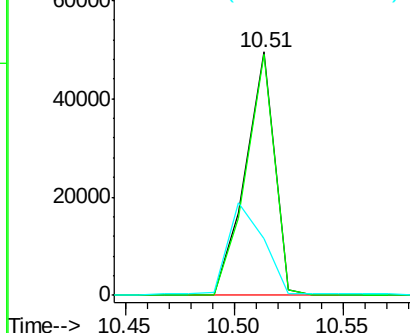
#41  
 2,4,6-Tribromophenol  
 Concen: 68.77 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.02 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SS-SS01(0-2in)

Tgt Ion:330 Resp: 46234  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 0.0 0.0#  
 141 50.0 0.0 0.0#

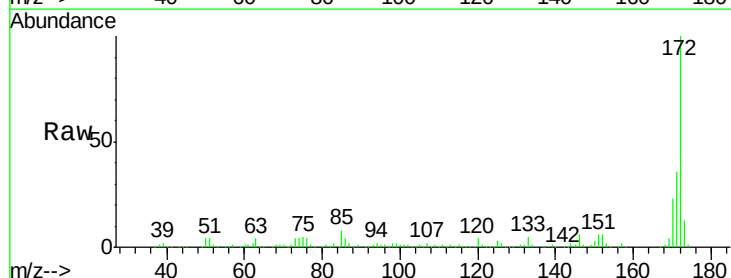


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

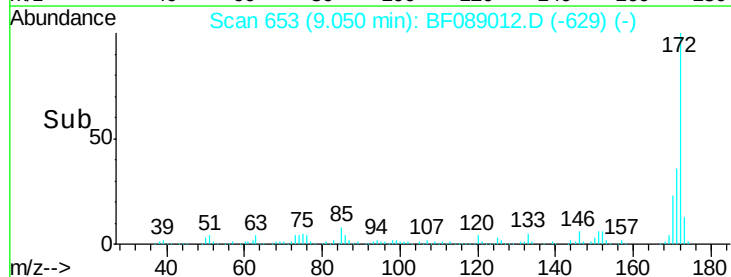
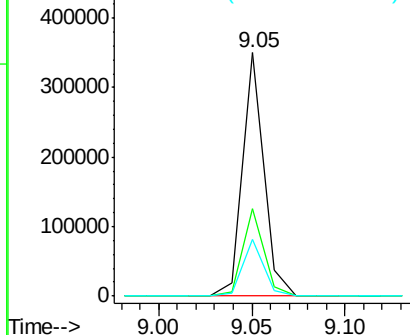


#44  
 2-Fluorobiphenyl  
 Concen: 60.84 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

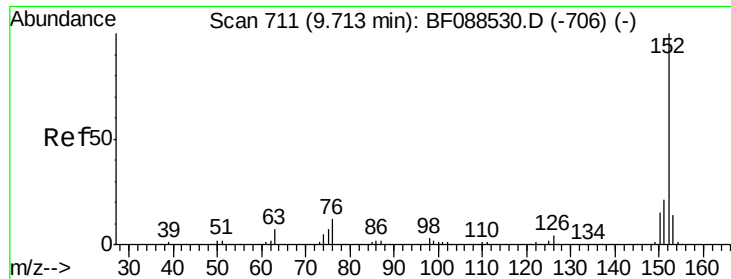
Tgt Ion:172 Resp: 278853  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.6 43.0  
 170 23.4 19.2 28.8



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







#48

Acenaphthylene

Concen: 3.12 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

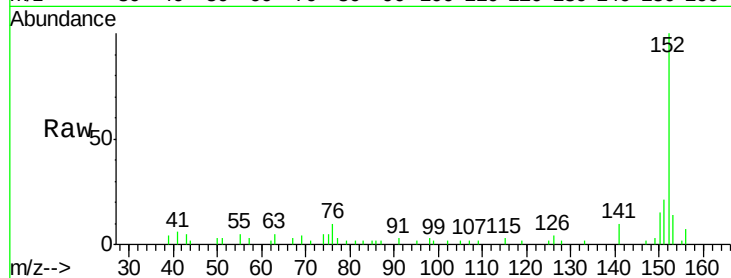
Tgt Ion:152 Resp: 23340

Ion Ratio Lower Upper

152 100

151 21.4 16.2 24.4

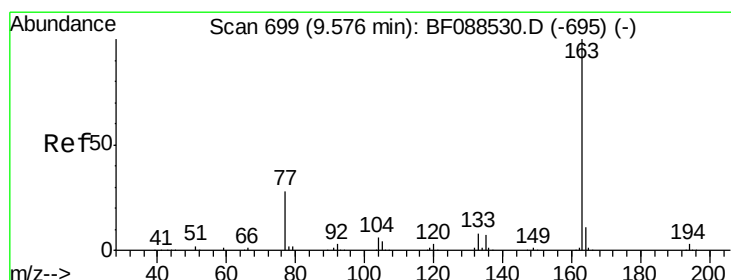
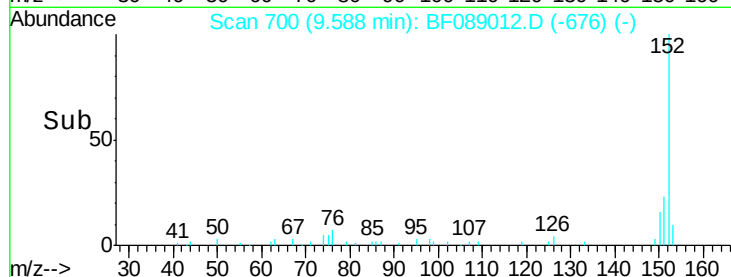
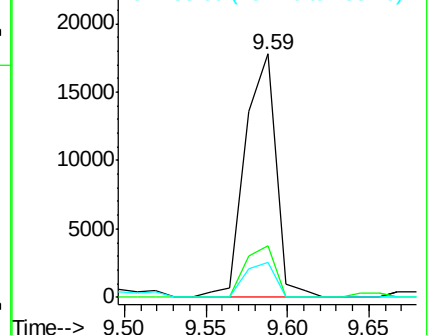
153 14.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.74 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

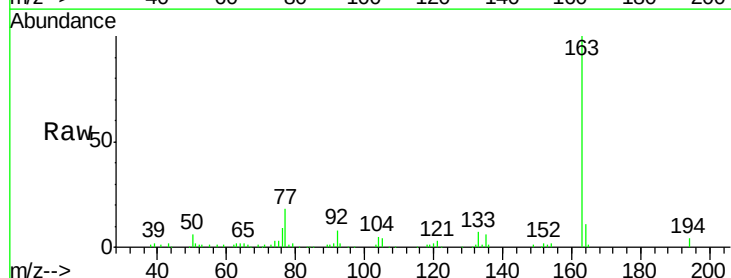
Tgt Ion:163 Resp: 70843

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

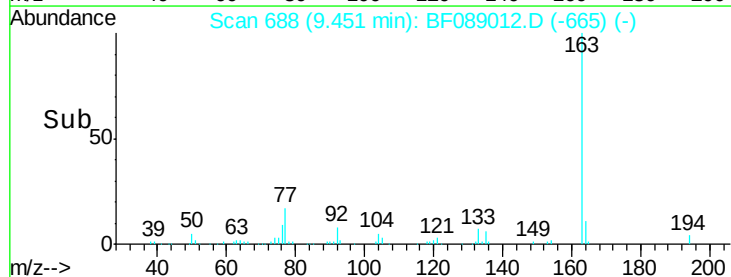
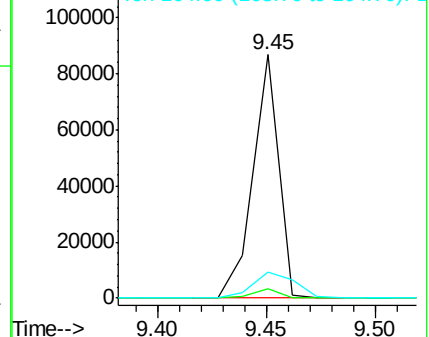
164 10.7 8.3 12.5

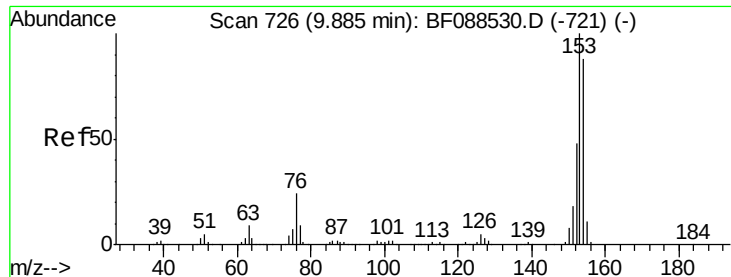


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.02 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

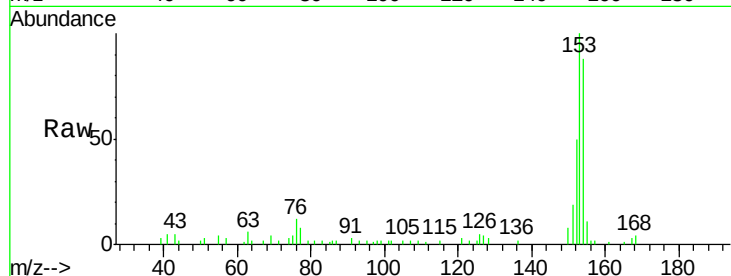
Tgt Ion:154 Resp: 23050

Ion Ratio Lower Upper

154 100

153 114.0 89.5 134.3

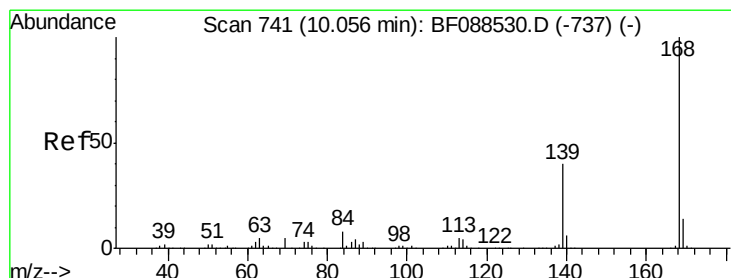
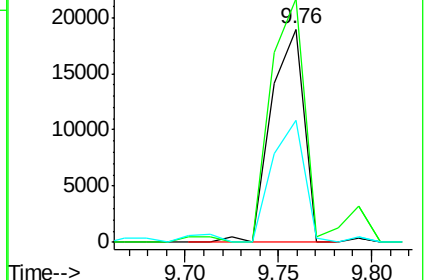
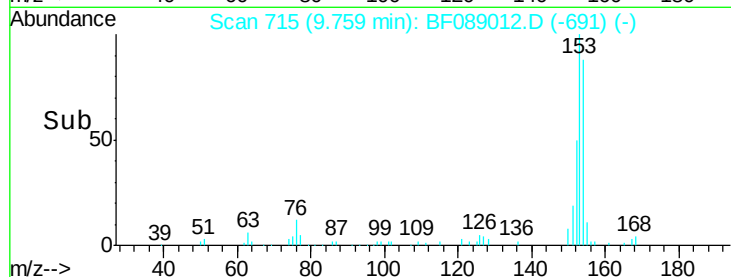
152 57.1 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.36 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

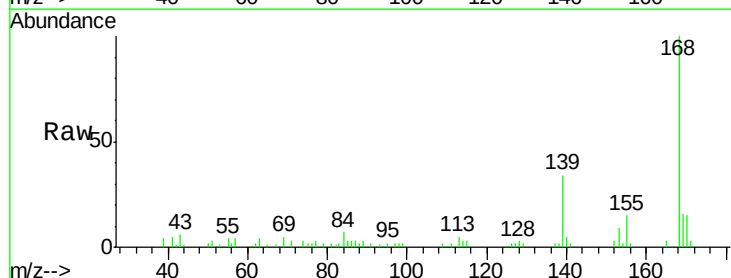
Tgt Ion:168 Resp: 26220

Ion Ratio Lower Upper

168 100

139 33.8 26.4 39.6

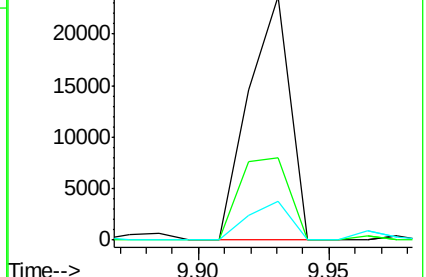
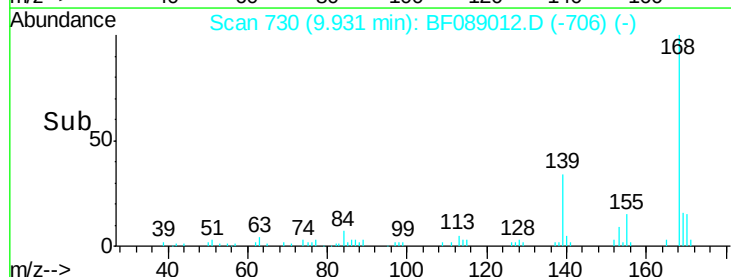
169 15.9 10.4 15.6#

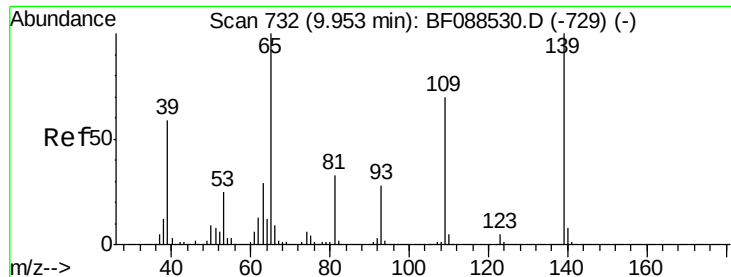


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

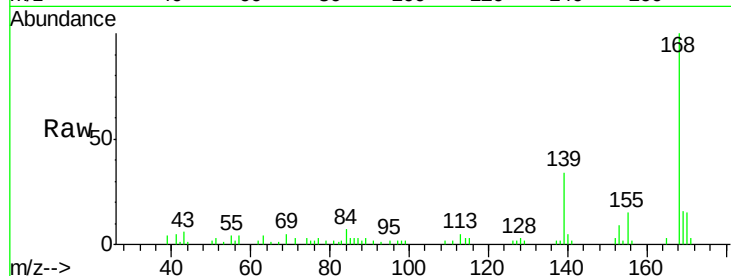




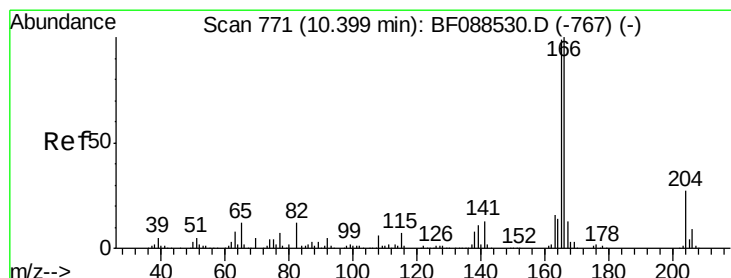
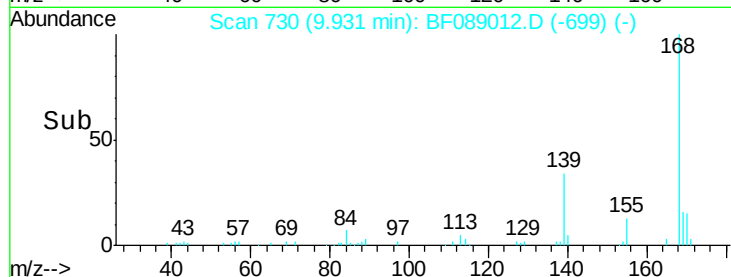
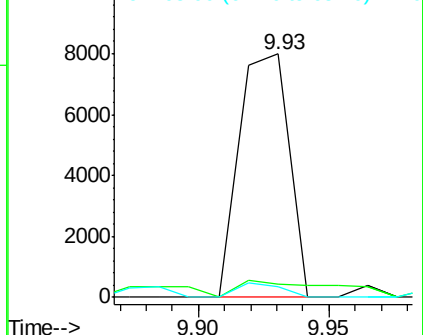
#55  
4-Nitrophenol  
Concen: 9.70 ng  
RT: 9.93 min Scan# 730  
Delta R.T. 0.06 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SS-SS01(0-2in)

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 5.4   | 48.9  | 88.9#  |
| 65      | 4.1   | 84.9  | 124.9# |

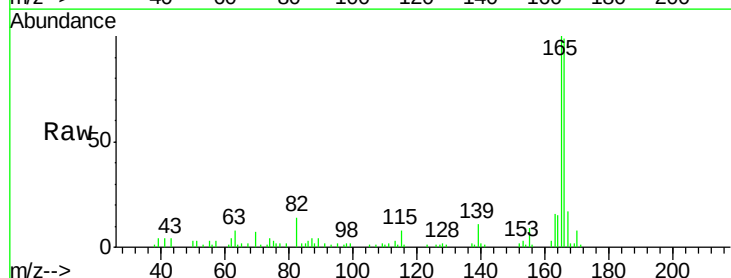


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

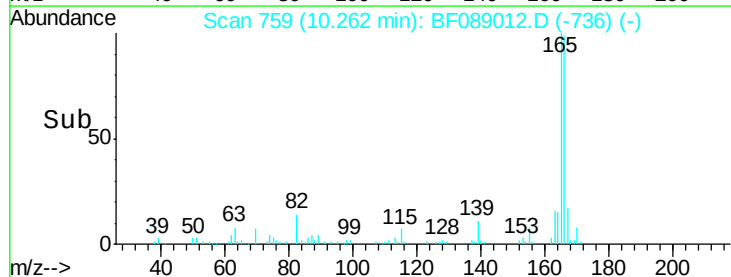
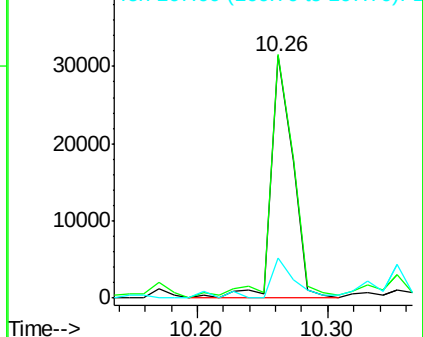


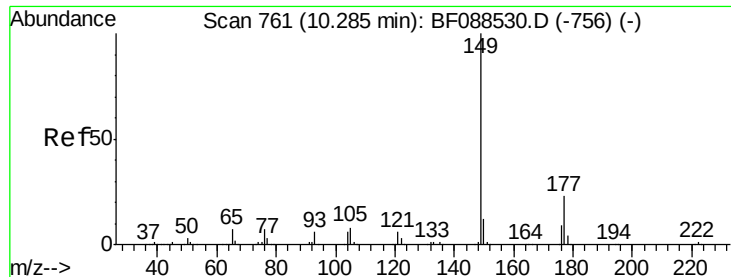
#57  
Fluorene  
Concen: 7.91 ng  
RT: 10.26 min Scan# 759  
Delta R.T. -0.03 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.6 | 77.8  | 116.8 |
| 167     | 16.8  | 11.2  | 16.8  |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

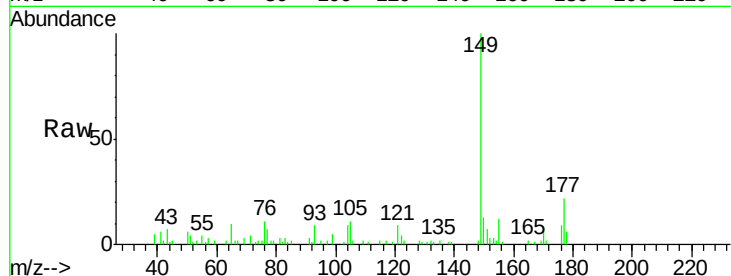




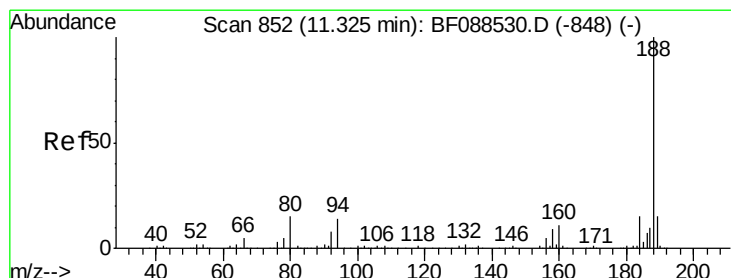
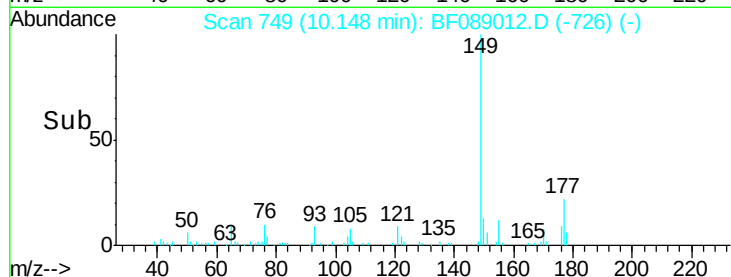
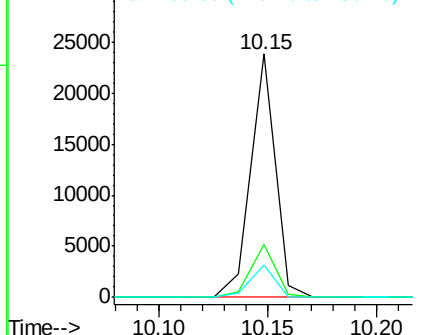
#59  
Diethylphthalate  
Concen: 3.62 ng  
RT: 10.15 min Scan# 749  
Delta R.T. -0.03 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SS-SS01(0-2in)

Tgt Ion:149 Resp: 18748  
Ion Ratio Lower Upper  
149 100  
177 21.7 16.9 25.3  
150 13.2 10.1 15.1

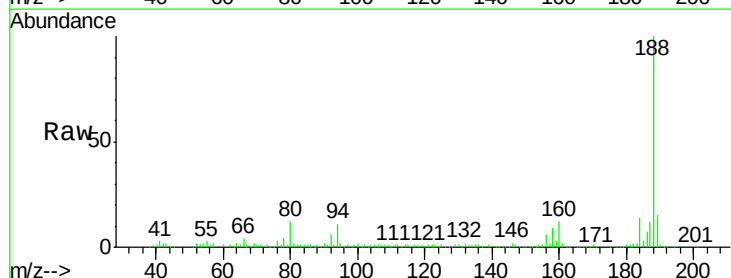


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

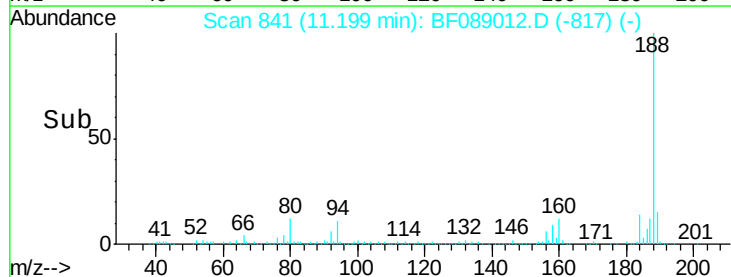
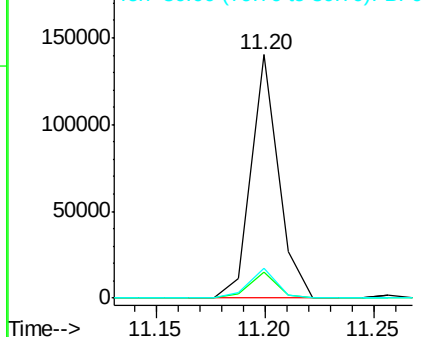


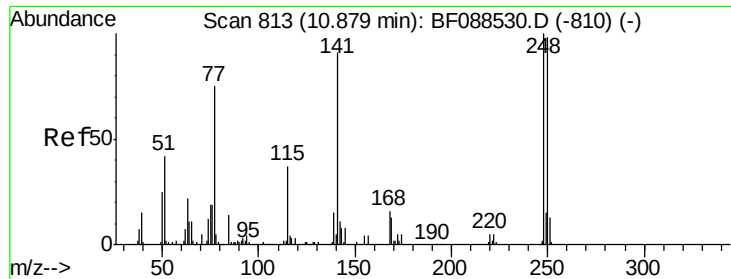
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 841  
Delta R.T. -0.02 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

Tgt Ion:188 Resp: 122622  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.0 13.6  
80 12.3 10.0 15.0



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





#66

4-Bromophenyl-phenylether

Concen: 3.20 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.26 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

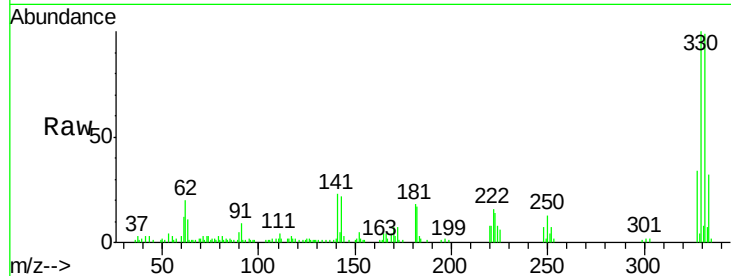
Tgt Ion:248 Resp: 3951

Ion Ratio Lower Upper

248 100

250 174.3 77.1 115.7#

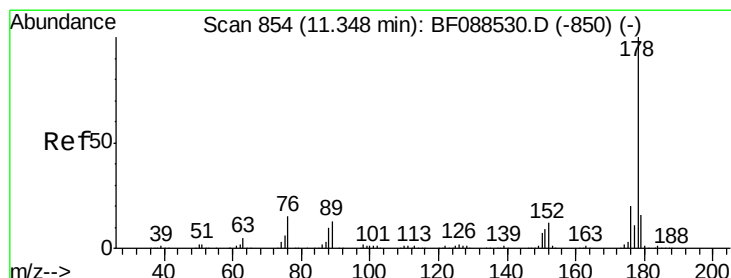
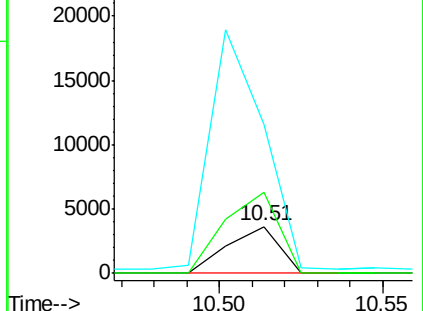
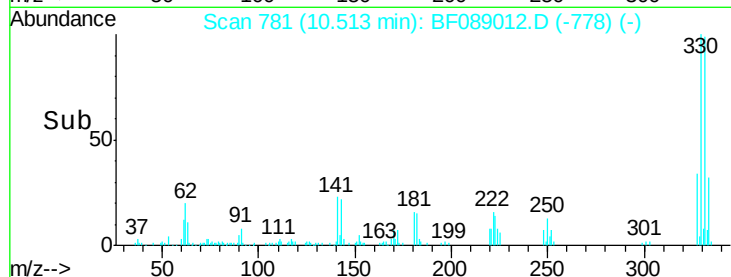
141 320.8 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 61.38 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

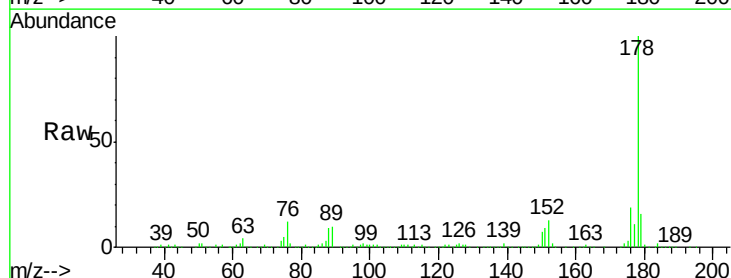
Tgt Ion:178 Resp: 411430

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

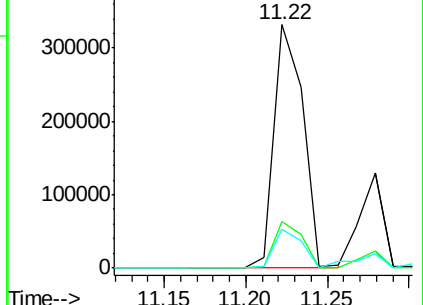
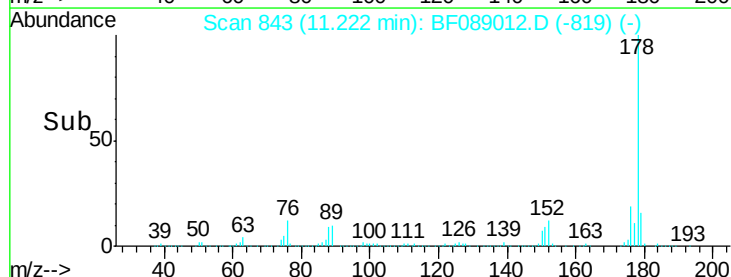
179 15.8 13.0 19.4

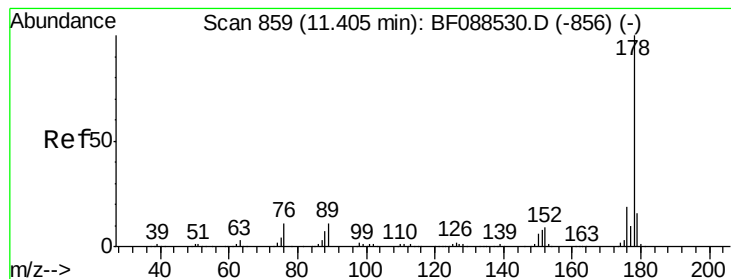


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 19.67 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

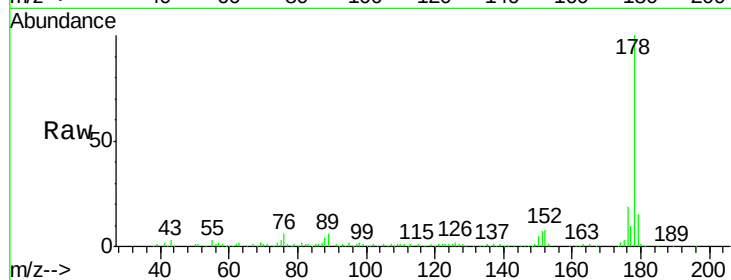
Tgt Ion:178 Resp: 131116

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

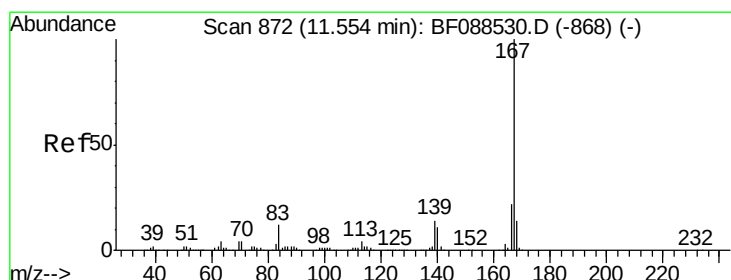
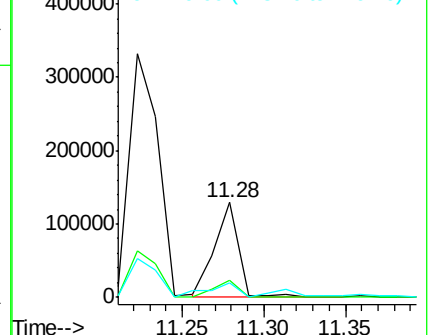
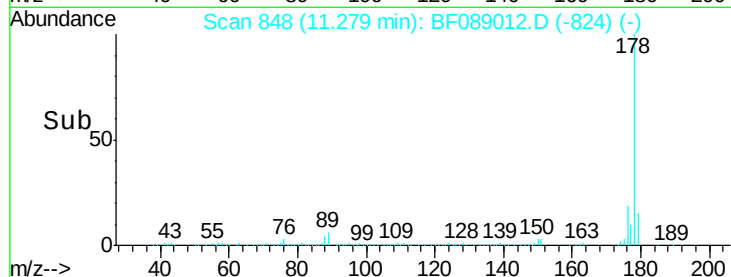
179 15.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 8.77 ng

RT: 11.44 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

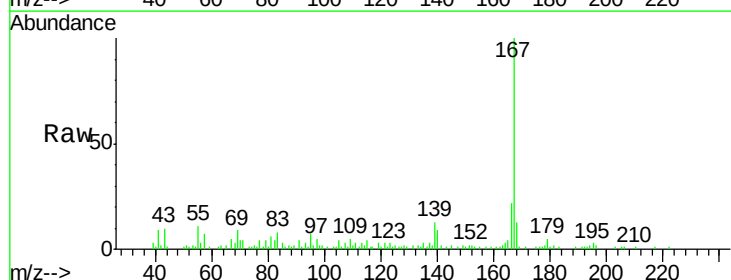
Tgt Ion:167 Resp: 55038

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.6

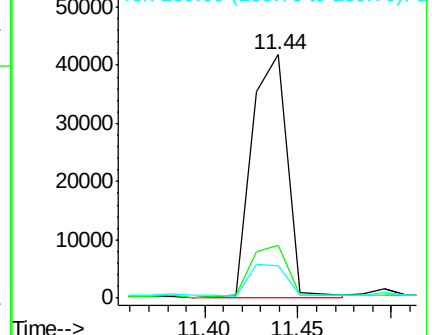
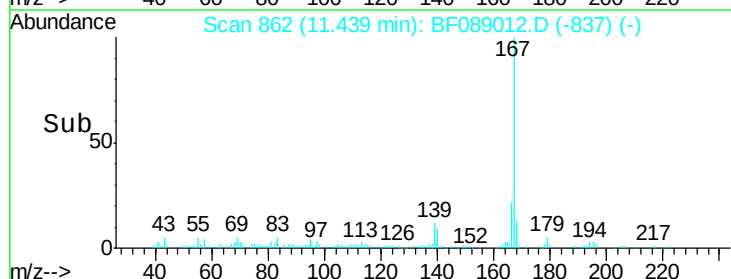
139 13.2 11.2 16.8

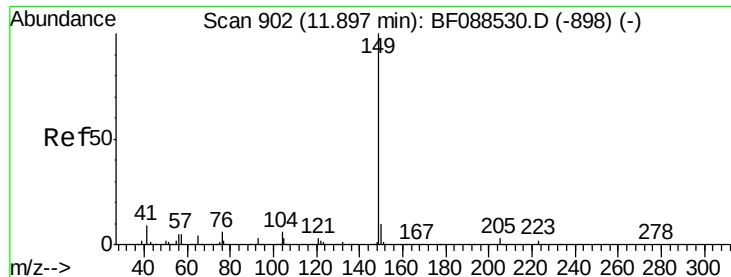


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 8.28 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

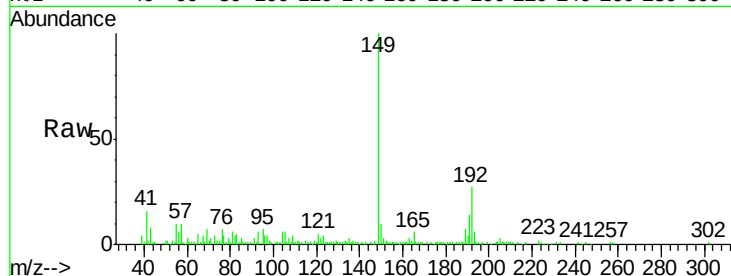
Tgt Ion:149 Resp: 60422

Ion Ratio Lower Upper

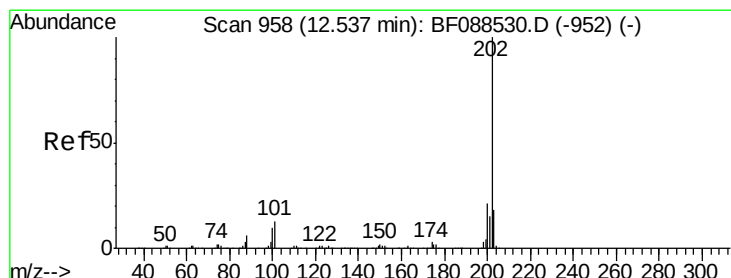
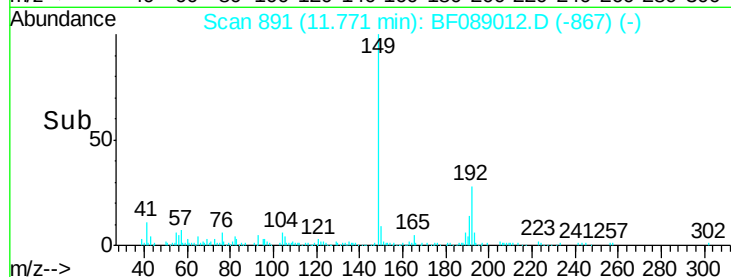
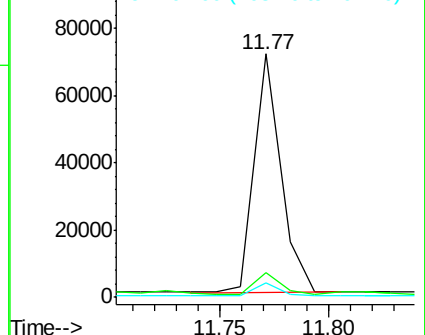
149 100

150 10.3 7.8 11.6

104 6.1 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 80.24 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

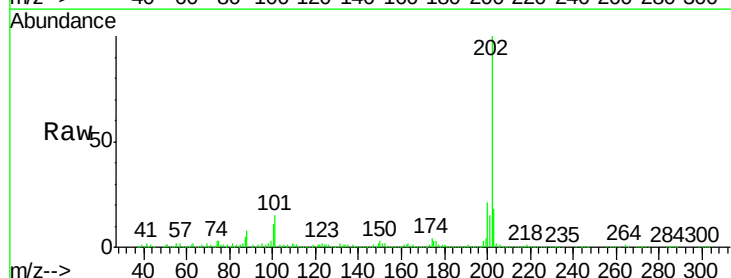
Tgt Ion:202 Resp: 545246

Ion Ratio Lower Upper

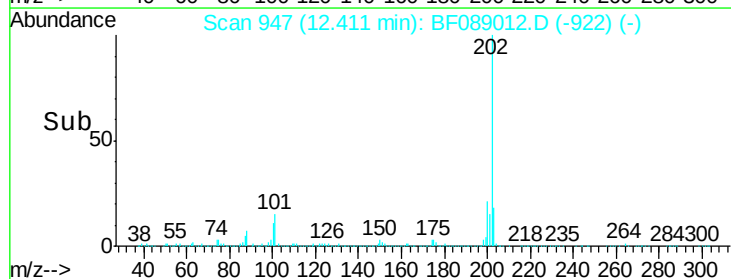
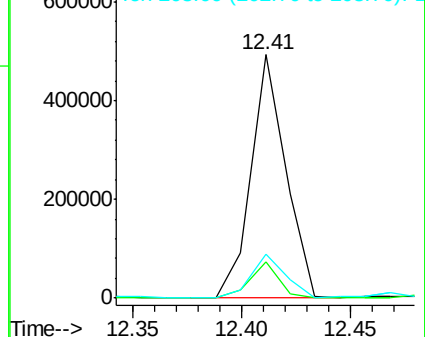
202 100

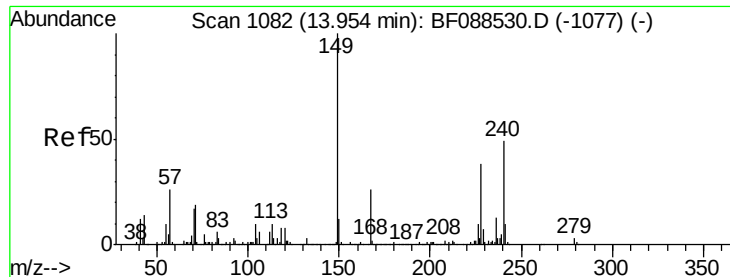
101 14.8 0.0 33.1

203 18.0 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

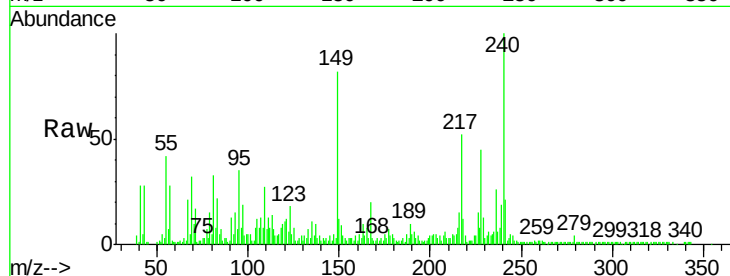




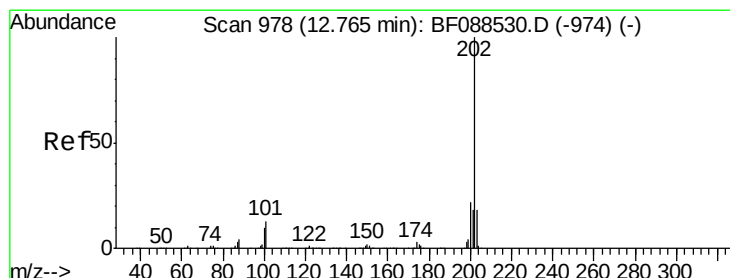
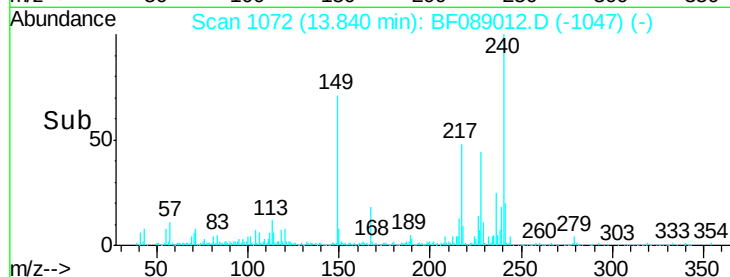
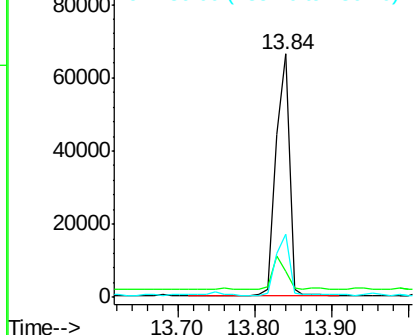
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.84 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

Instrument :  
BNA\_F  
ClientSampleId :  
LSS-SS-SS01(0-2in)

Tgt Ion:240 Resp: 79218  
Ion Ratio Lower Upper  
240 100  
120 10.6 6.8 10.2#  
236 26.1 20.2 30.2

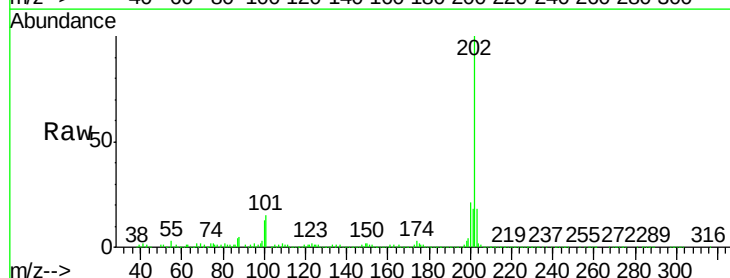


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

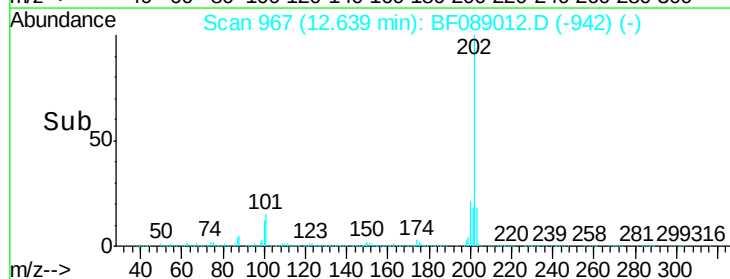
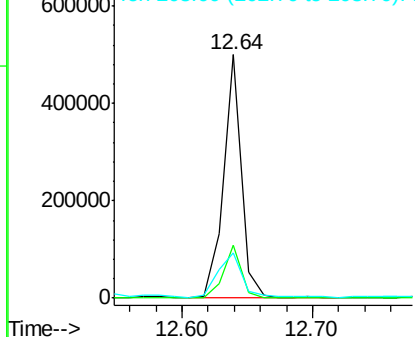


#77  
Pyrene  
Concen: 71.05 ng  
RT: 12.64 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BF089012.D  
Acq: 15 Jul 2016 4:20

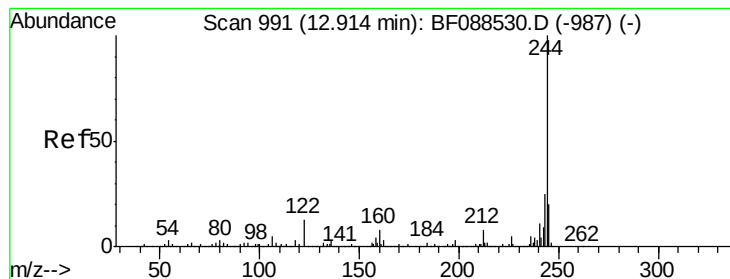
Tgt Ion:202 Resp: 477202  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.4 26.2  
203 18.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E







#78

Terphenyl-d14

Concen: 62.85 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

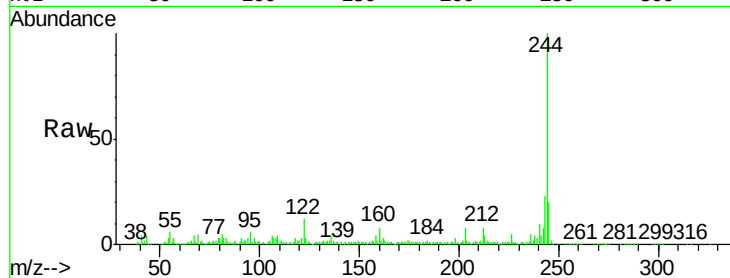
Tgt Ion:244 Resp: 223552

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

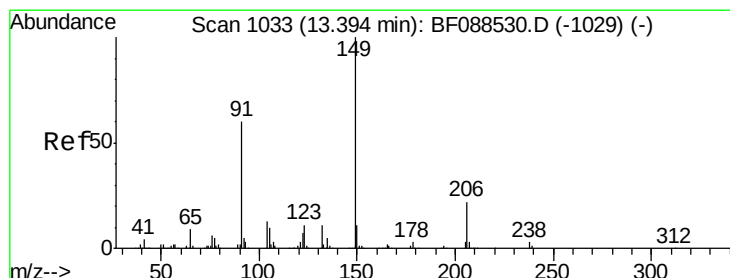
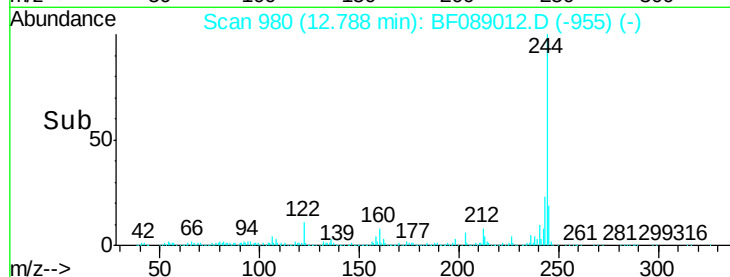
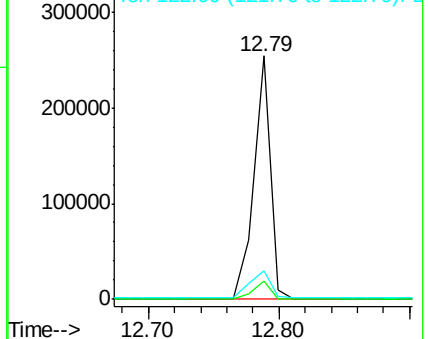
122 11.7 11.2 16.8



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



#79

Butylbenzylphthalate

Concen: 49.87 ng

RT: 13.27 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

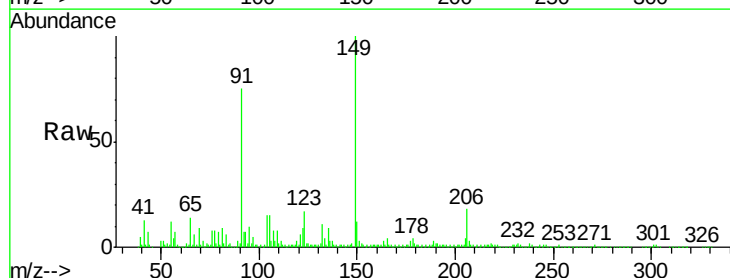
Tgt Ion:149 Resp: 149426

Ion Ratio Lower Upper

149 100

91 75.1 48.0 72.0#

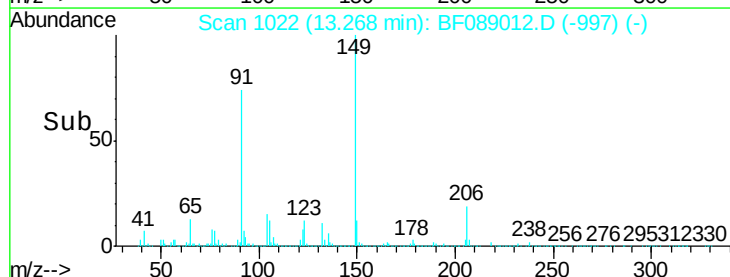
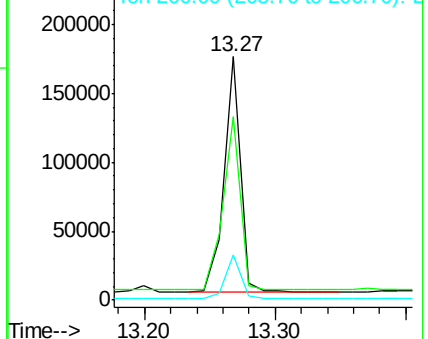
206 18.4 16.0 24.0

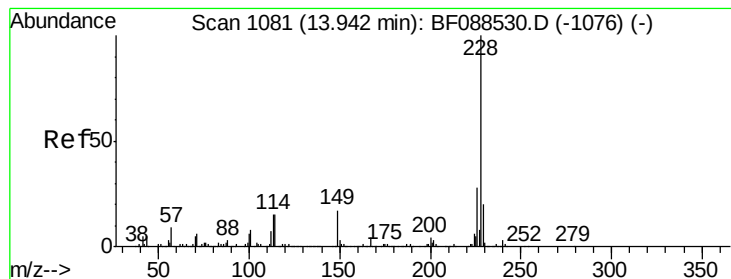


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 43.78 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

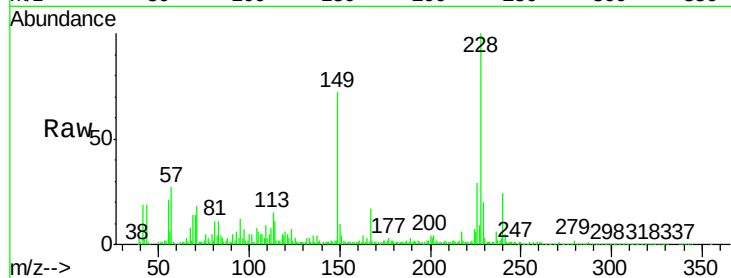
Tgt Ion:228 Resp: 223325

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

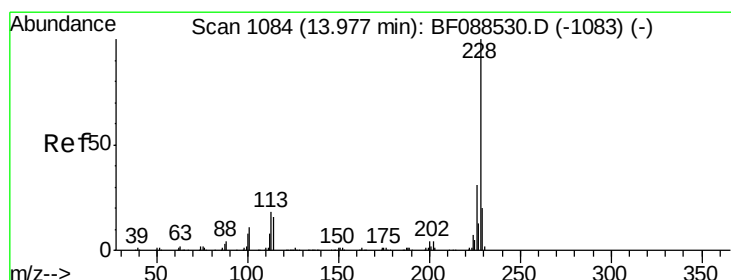
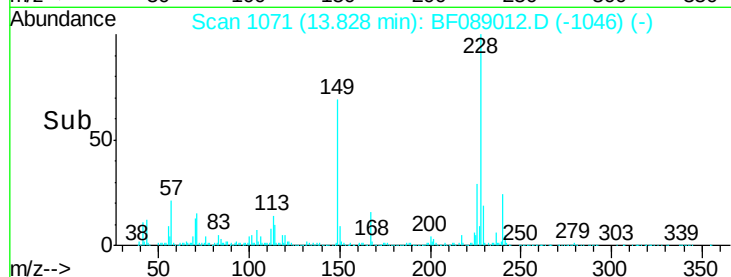
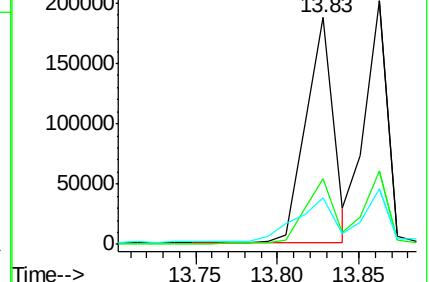
229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 44.25 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

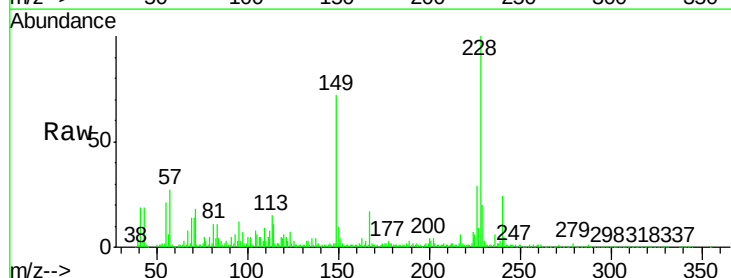
Tgt Ion:228 Resp: 223325

Ion Ratio Lower Upper

228 100

226 29.1 25.4 38.2

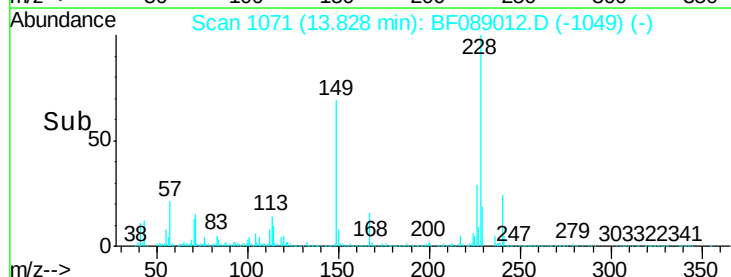
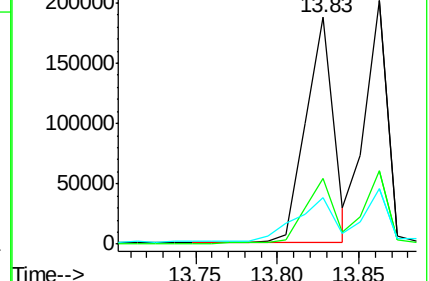
229 20.3 16.3 24.5

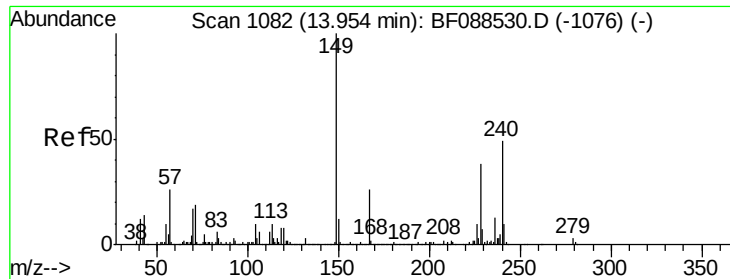


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

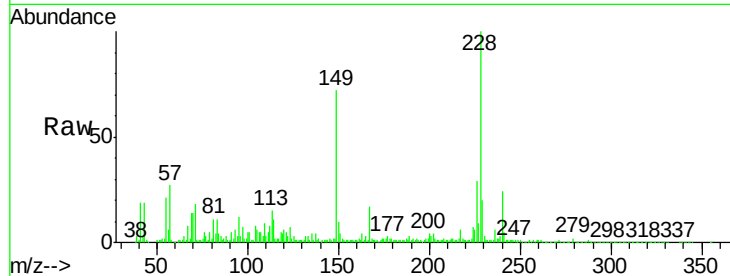




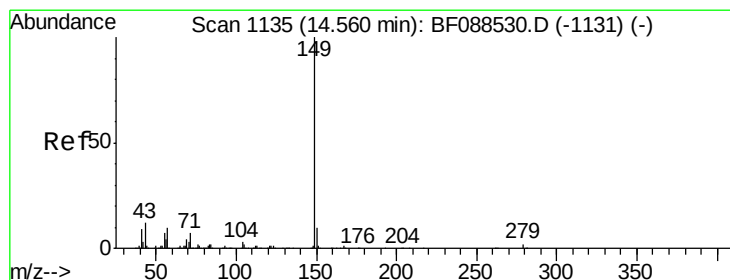
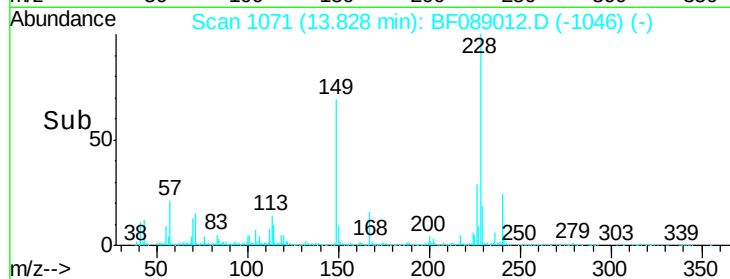
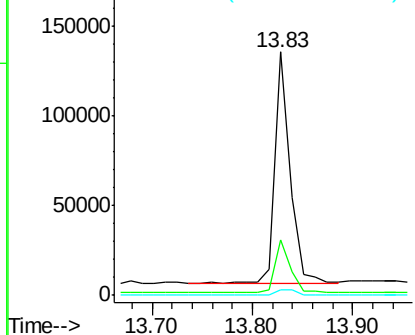
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.47 ng  
 RT: 13.83 min Scan# 1071  
 Delta R.T. -0.01 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SS-SS01(0-2in)

Tgt Ion:149 Resp: 134992  
 Ion Ratio Lower Upper  
 149 100  
 167 23.0 20.5 30.7  
 279 2.1 2.0 3.0

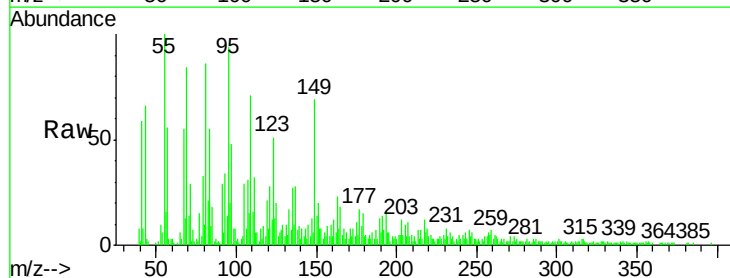


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

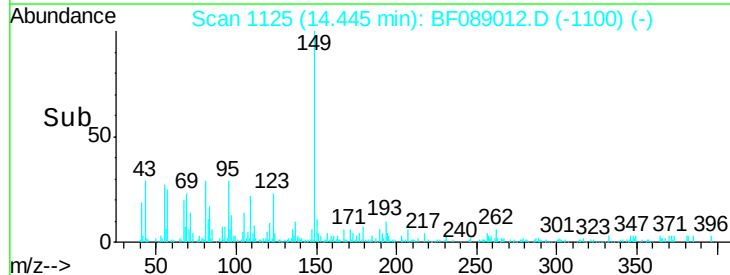
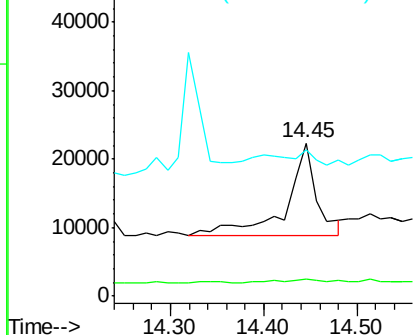


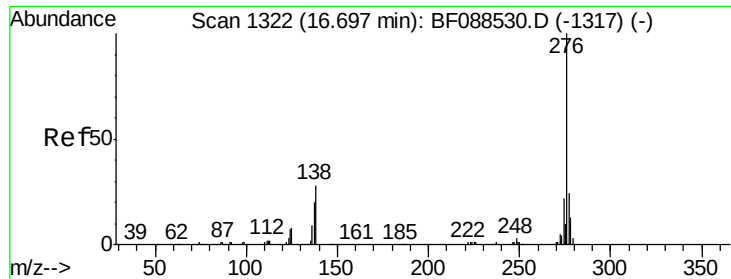
#84  
 Di-n-octyl phthalate  
 Concen: 5.26 ng  
 RT: 14.45 min Scan# 1125  
 Delta R.T. -0.01 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Tgt Ion:149 Resp: 30595  
 Ion Ratio Lower Upper  
 149 100  
 167 6.8 0.0 0.0#  
 43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF0

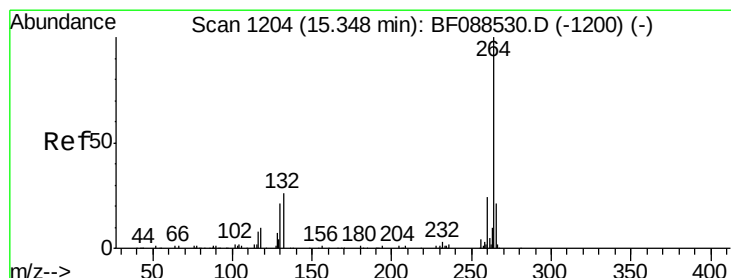
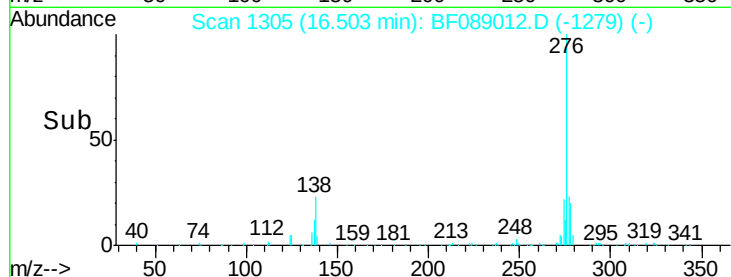
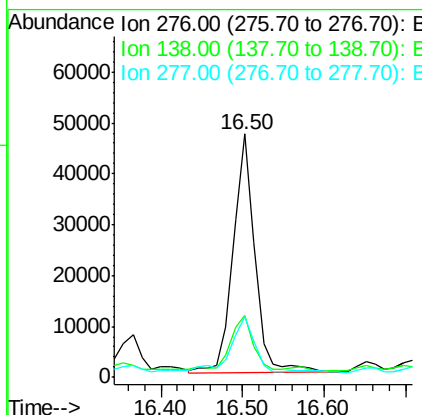
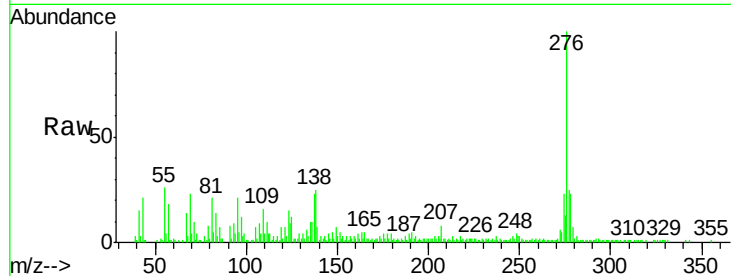




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 22.35 ng  
 RT: 16.50 min Scan# 1305  
 Delta R.T. 0.00 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

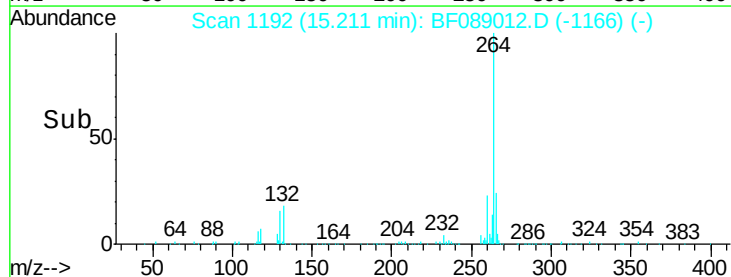
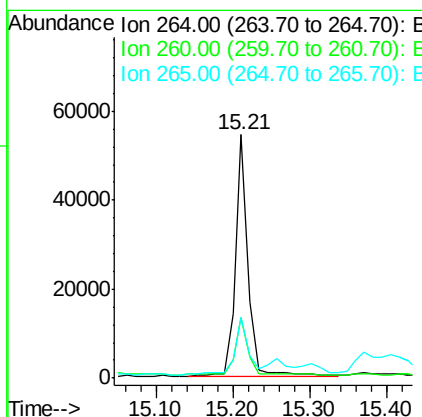
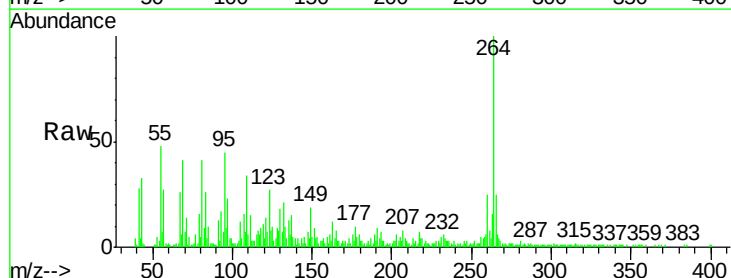
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LSS-SS-SS01(0-2in)

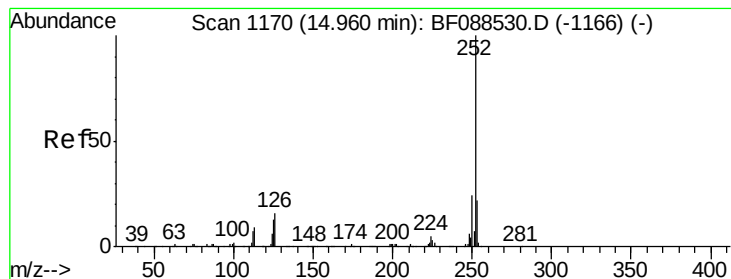
Tgt Ion:276 Resp: 86798  
 Ion Ratio Lower Upper  
 276 100  
 138 26.1 0.0 0.0#  
 277 24.9 0.0 0.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.21 min Scan# 1192  
 Delta R.T. 0.00 min  
 Lab File: BF089012.D  
 Acq: 15 Jul 2016 4:20

Tgt Ion:264 Resp: 62349  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.2 28.8  
 265 24.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 70.99 ng

RT: 14.83 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)

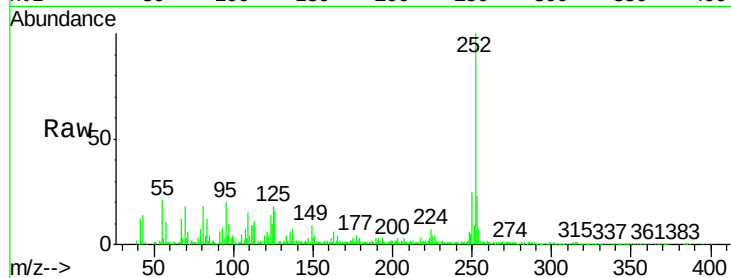
Tgt Ion:252 Resp: 277654

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

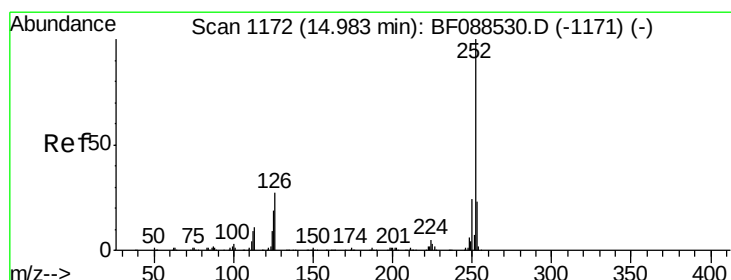
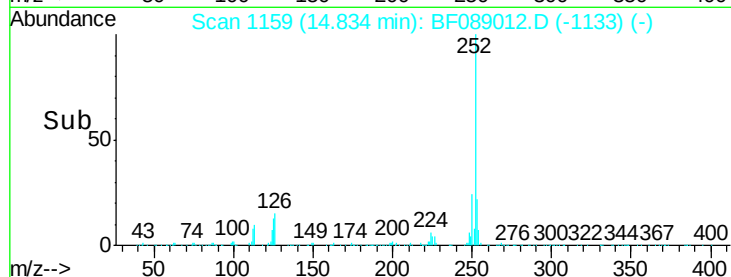
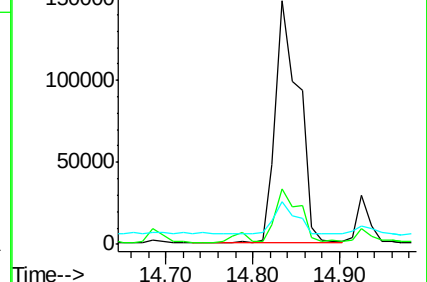
125 17.6 7.1 10.7#



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: 81.55 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

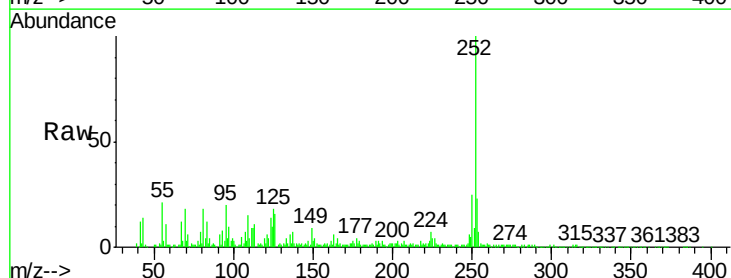
Tgt Ion:252 Resp: 277654

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

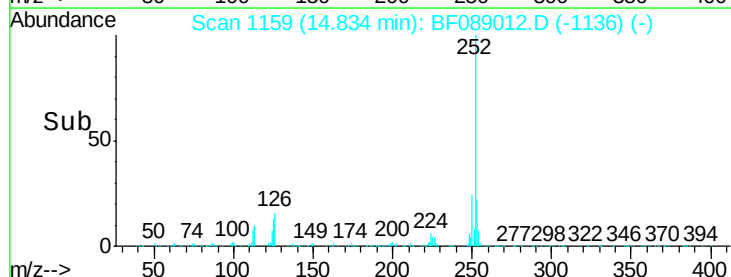
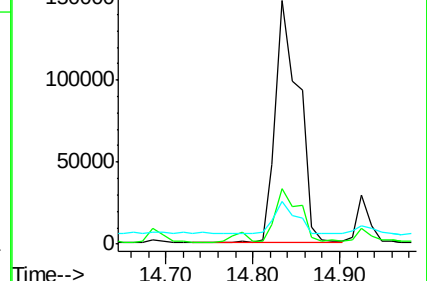
125 17.6 11.2 16.8#

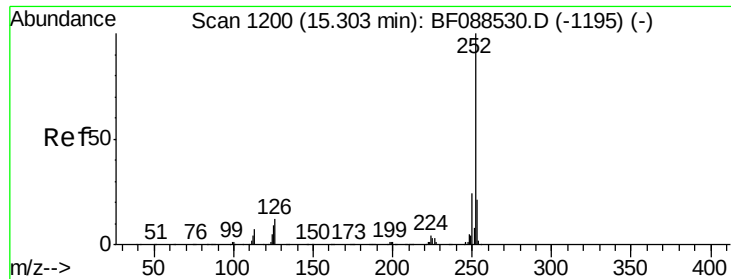


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 38.95 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF089012.D

Acq: 15 Jul 2016 4:20

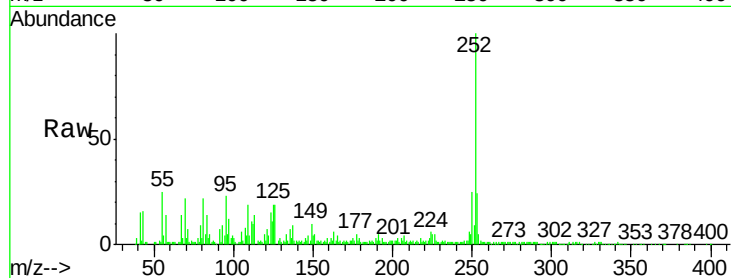
Instrument :

BNA\_F

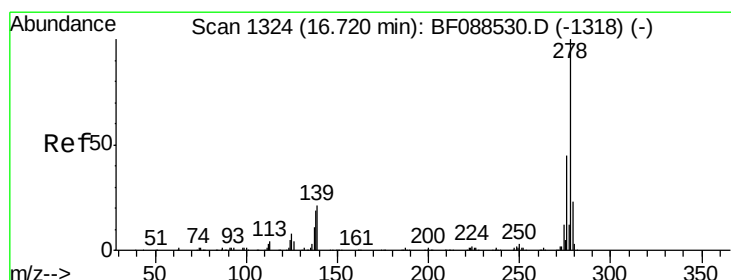
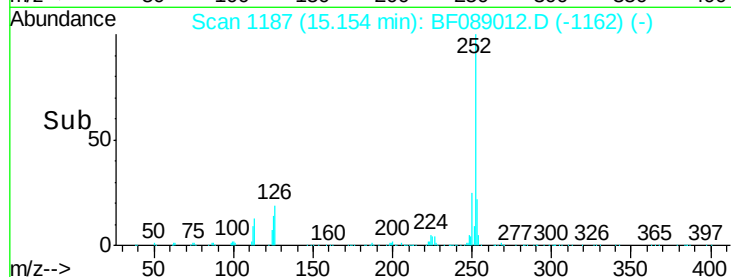
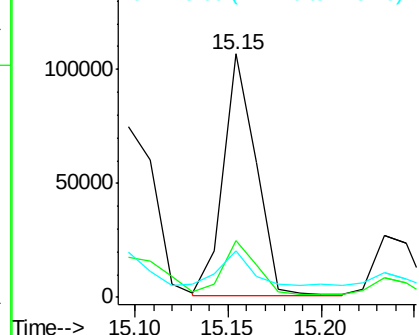
ClientSampleId :

LSS-SS-SS01(0-2in)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 128991 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.6  | 17.9  | 26.9   |
| 125      | 19.2  | 12.5  | 18.7#  |



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



#90

Dibenzo(a,h)anthracene

Concen: 9.60 ng

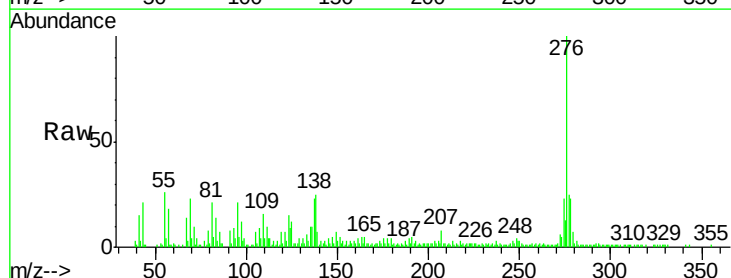
RT: 16.50 min Scan# 1305

Delta R.T. -0.01 min

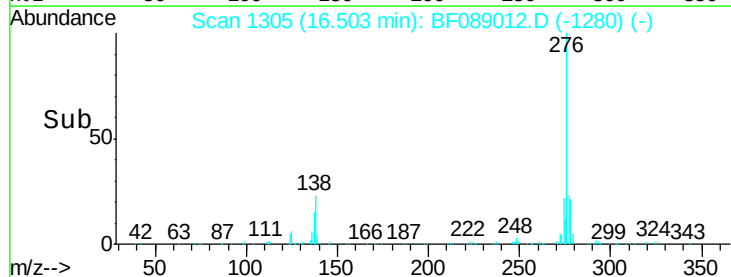
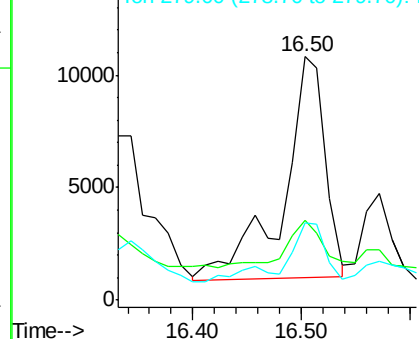
Lab File: BF089012.D

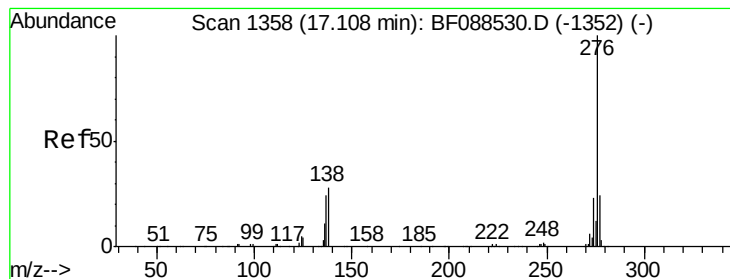
Acq: 15 Jul 2016 4:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 26541 |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 32.6  | 15.7  | 23.5# |
| 279      | 31.7  | 19.4  | 29.2# |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 29.16 ng

RT: 16.89 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF089012.D

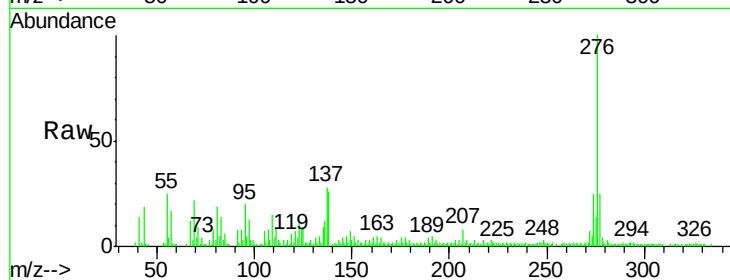
Acq: 15 Jul 2016 4:20

Instrument :

BNA\_F

ClientSampleId :

LSS-SS-SS01(0-2in)



Tgt Ion: 276 Resp: 83435

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 26.3 21.4 32.2

