

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120915\  
 Data File : BF083664.D  
 Acq On : 10 Dec 2015 4:15  
 Operator : UM/IZ  
 Sample : G4583-03DL 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-P3WC-03(0-8)DL

Quant Time: Dec 10 06:18:17 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 00:23:35 2015  
 Response via : Initial Calibration

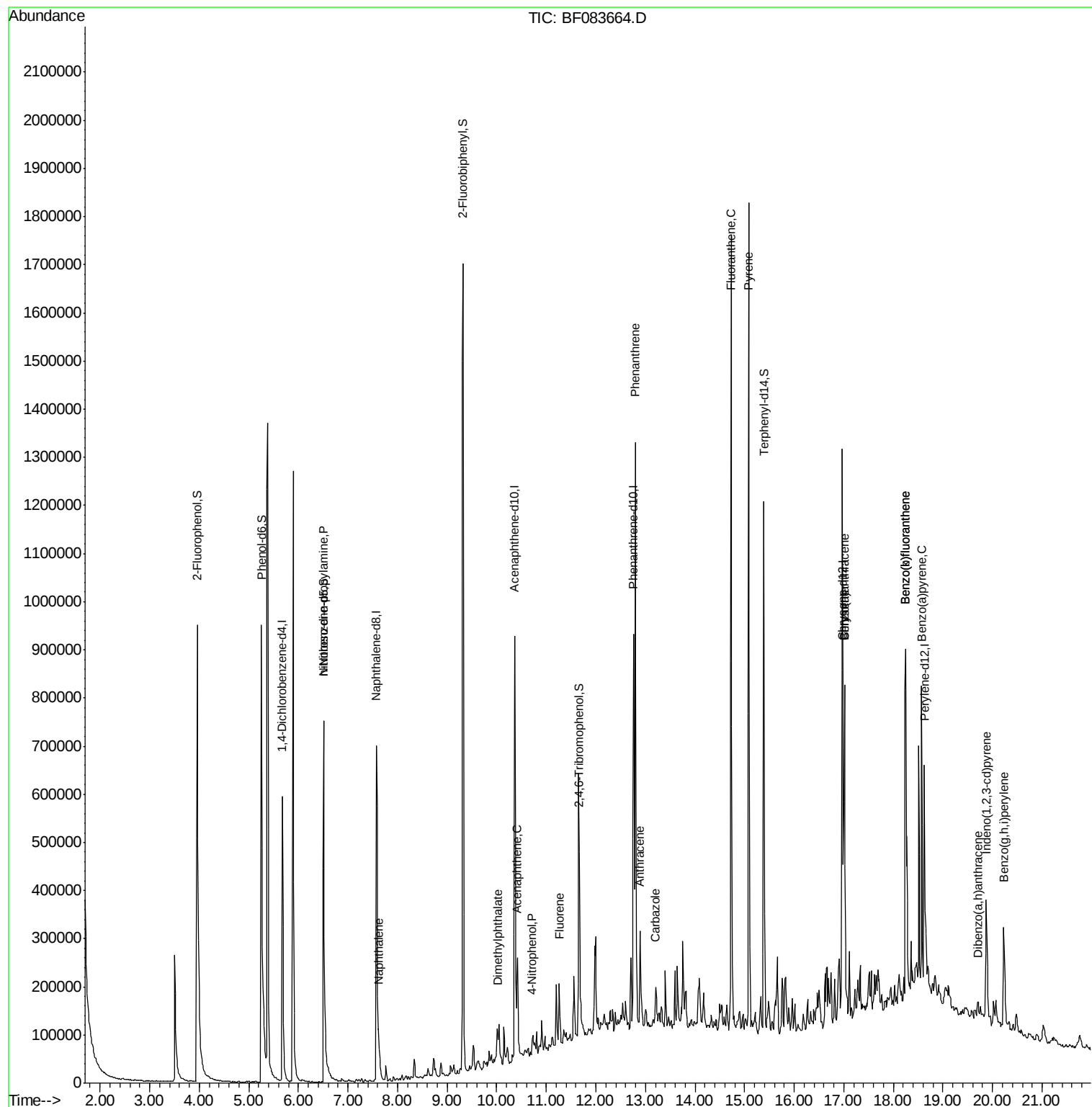
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.68  | 152  | 135766   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.57  | 136  | 520000   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10           | 10.36 | 164  | 242673   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 12.76 | 188  | 369966   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 16.98 | 240  | 298464   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 18.63 | 264  | 252096   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 3.96  | 112  | 576845   | 64.44 | ng    | -0.01    |
| 7) Phenol-d6                   | 5.25  | 99   | 839046   | 70.15 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.51  | 82   | 513321   | 46.06 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 11.67 | 330  | 102300   | 47.32 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 844150   | 48.96 | ng    | -0.02    |
| 78) Terphenyl-d14              | 15.39 | 244  | 575374   | 45.36 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 6.51  | 70   | 58723    | 7.03  | ng    | # 76     |
| 31) Naphthalene                | 7.62  | 128  | 84799    | 3.08  | ng    | 98       |
| 49) Dimethylphthalate          | 10.02 | 163  | 50495    | 2.61  | ng    | 98       |
| 51) Acenaphthene               | 10.42 | 154  | 68446    | 4.55  | ng    | 99       |
| 55) 4-Nitrophenol              | 10.72 | 139  | 12622    | 6.76  | ng    | # 25     |
| 57) Fluorene                   | 11.27 | 166  | 51774    | 2.85  | ng    | 99       |
| 70) Phenanthrene               | 12.80 | 178  | 711760   | 33.48 | ng    | 98       |
| 71) Anthracene                 | 12.89 | 178  | 150232   | 6.82  | ng    | 97       |
| 72) Carbazole                  | 13.21 | 167  | 58670    | 3.11  | ng    | 96       |
| 74) Fluoranthene               | 14.73 | 202  | 979307   | 45.04 | ng    | 99       |
| 77) Pyrene                     | 15.08 | 202  | 900069   | 41.89 | ng    | # 95     |
| 80) Benzo(a)anthracene         | 17.01 | 228  | 384940   | 22.04 | ng    | 96       |
| 82) Chrysene                   | 17.01 | 228  | 385349   | 22.00 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.87 | 276  | 180072   | 15.23 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 18.25 | 252  | 607402   | 42.31 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 18.25 | 252  | 607402   | 38.40 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 18.57 | 252  | 299787   | 21.40 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 19.71 | 278  | 26837    | 2.51  | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 20.23 | 276  | 188446   | 18.05 | ng    | 97       |

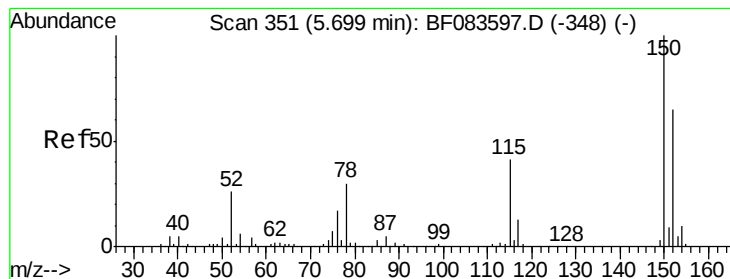
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120915\  
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ALS Vial : 28 Sample Multiplier: 1

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Quant Time: Dec 10 06:18:17 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 09 00:23:35 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

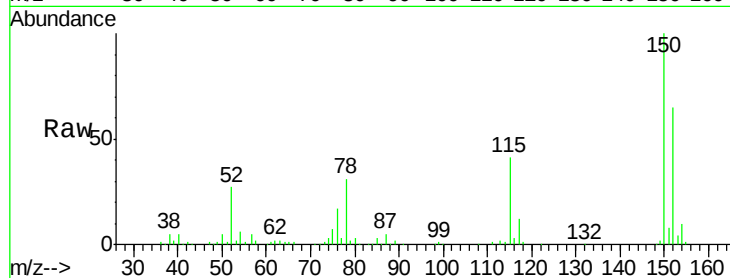
Tgt Ion:152 Resp: 135766

Ion Ratio Lower Upper

152 100

150 154.5 126.5 189.7

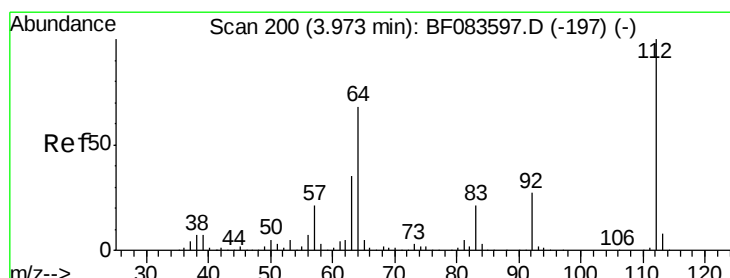
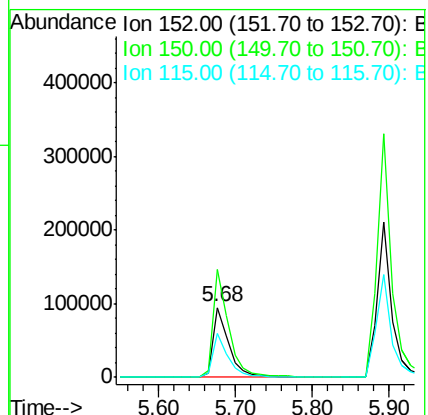
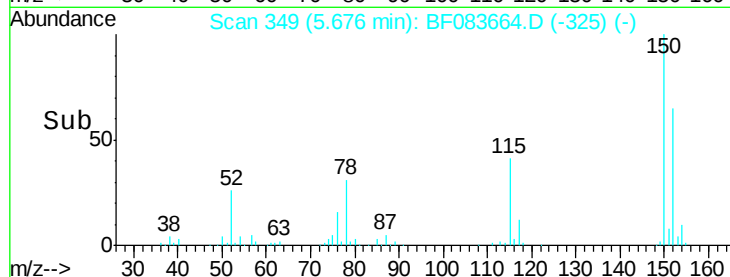
115 63.0 52.3 78.5



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: 64.44 ng

RT: 3.96 min Scan# 199

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

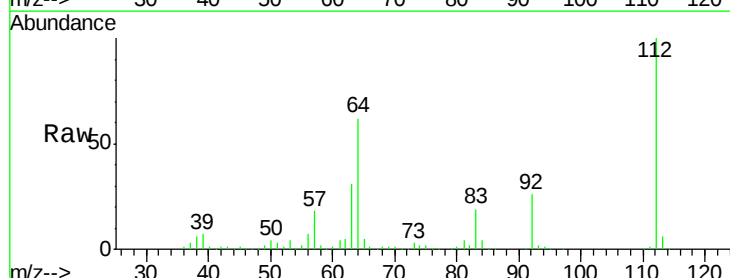
Tgt Ion:112 Resp: 576845

Ion Ratio Lower Upper

112 100

64 62.5 50.5 75.7

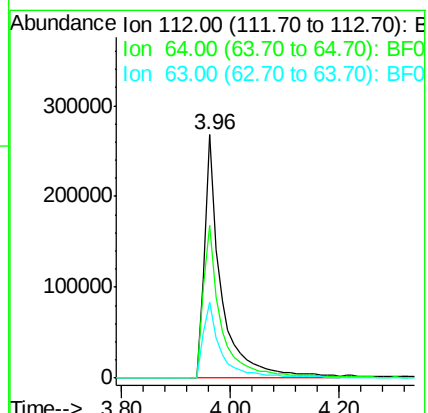
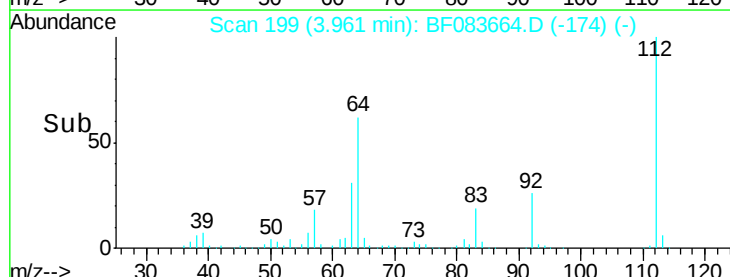
63 31.3 25.8 38.6

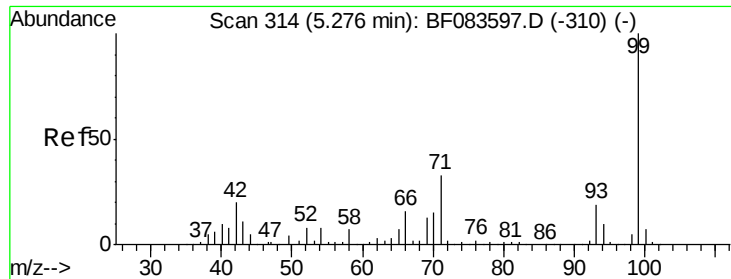


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 70.15 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

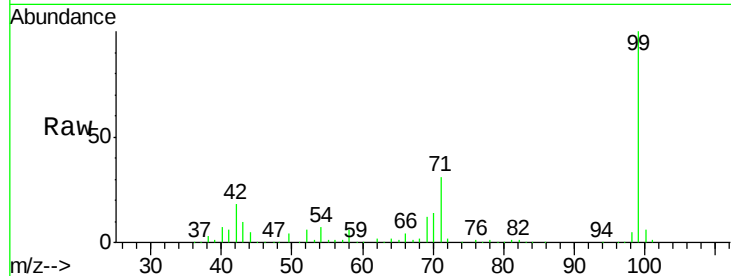
Tgt Ion: 99 Resp: 839046

Ion Ratio Lower Upper

99 100

42 18.3 17.3 25.9

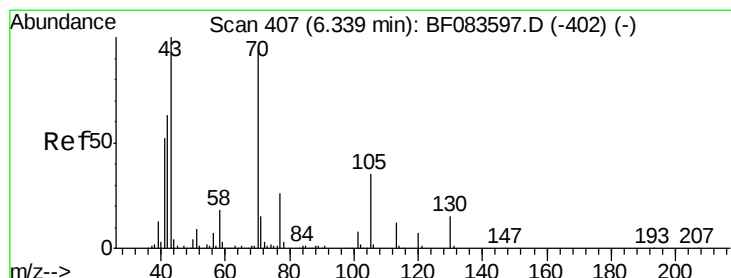
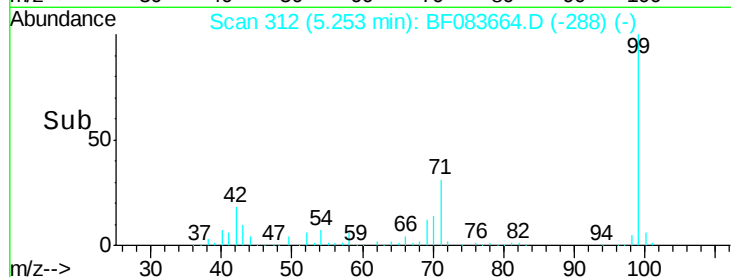
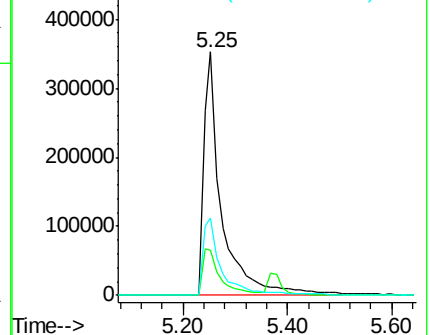
71 31.5 26.6 40.0



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: 7.03 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion: 70 Resp: 58723

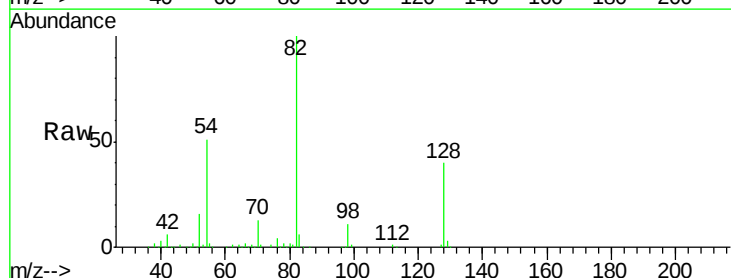
Ion Ratio Lower Upper

70 100

42 47.1 49.2 73.8#

101 0.0 7.1 10.7#

130 1.7 15.4 23.0#

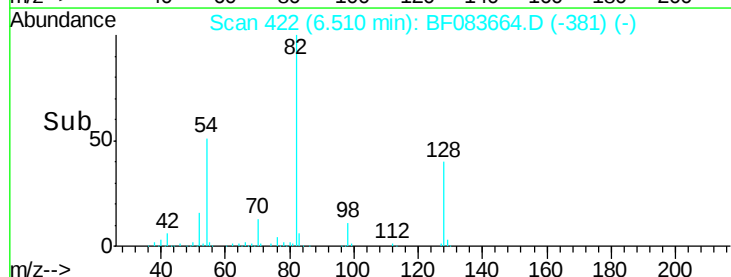
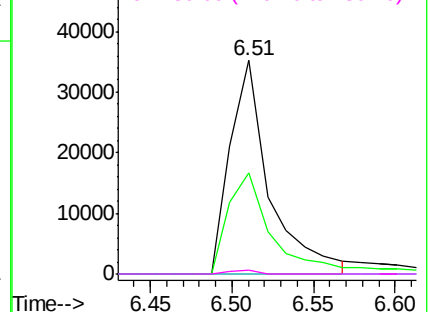


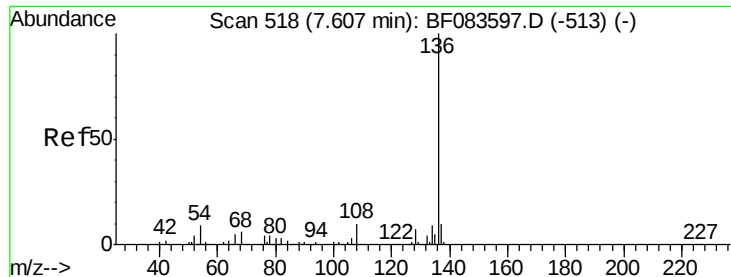
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

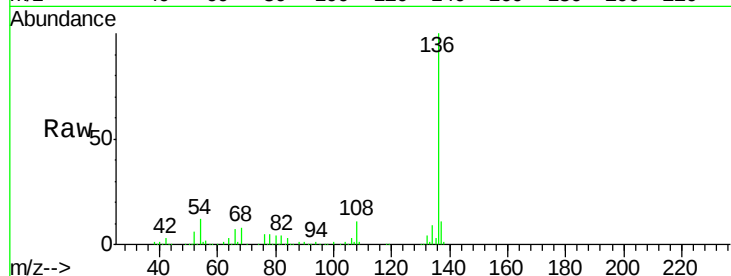




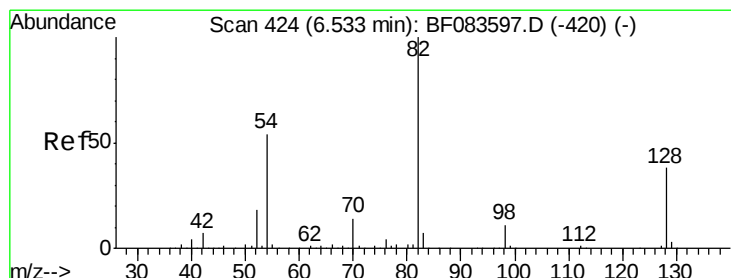
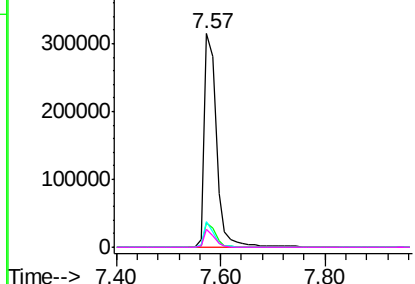
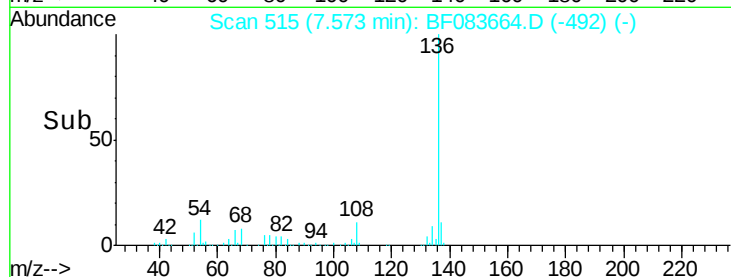
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.57 min Scan# 515  
Delta R.T. -0.03 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

Instrument :  
BNA\_M  
ClientSampleId :  
SB-P3WC-03(0-8)DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 520000 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 11.8  | 7.8   | 11.6#  |
| 68       | 8.1   | 5.7   | 8.5    |

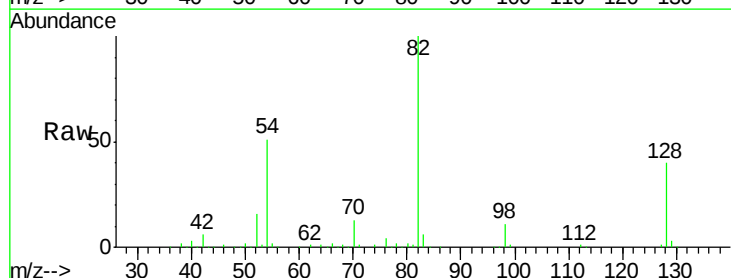


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

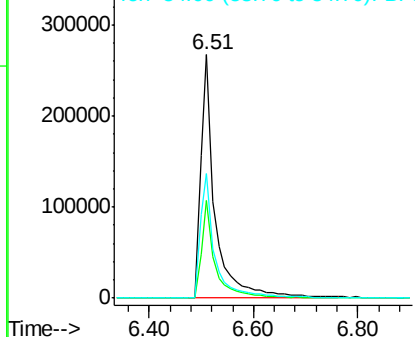
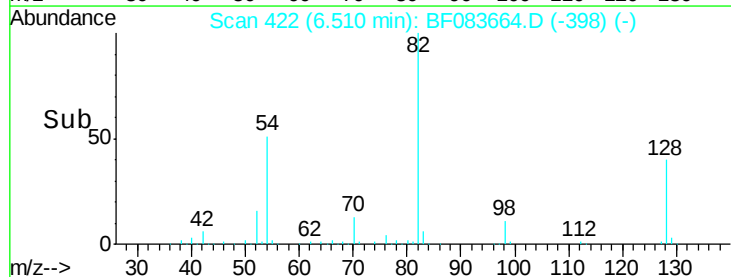


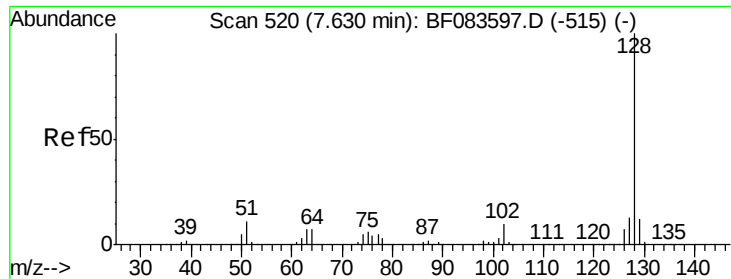
#23  
Nitrobenzene-d5  
Concen: 46.06 ng  
RT: 6.51 min Scan# 422  
Delta R.T. -0.02 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 513321 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.1  | 30.7  | 46.1   |
| 54       | 51.2  | 42.5  | 63.7   |



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

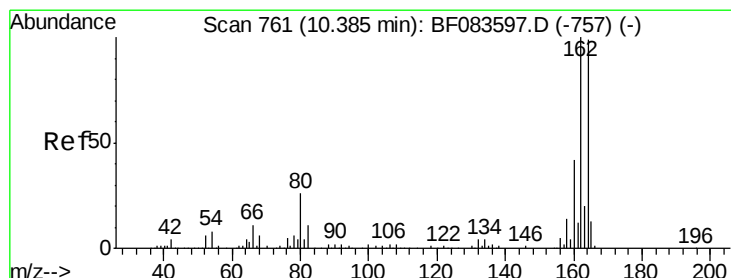
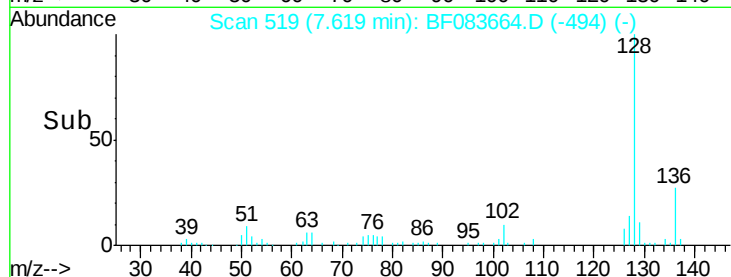
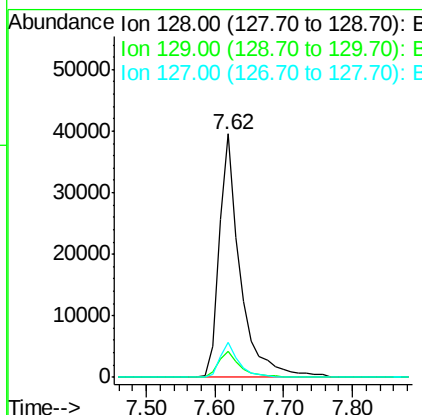
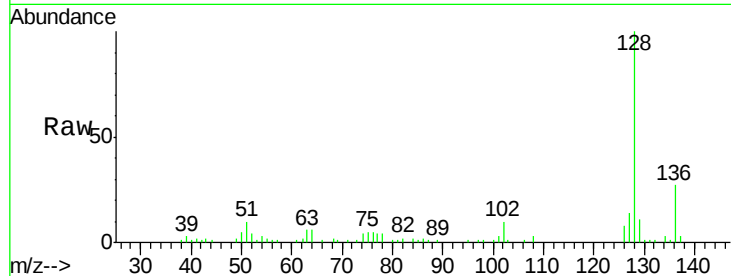




#31  
Naphthalene  
Concen: 3.08 ng  
RT: 7.62 min Scan# 519  
Delta R.T. -0.01 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

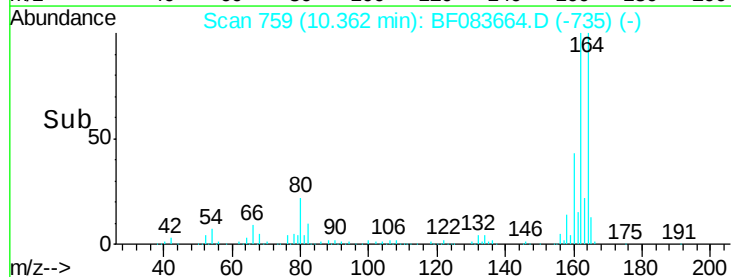
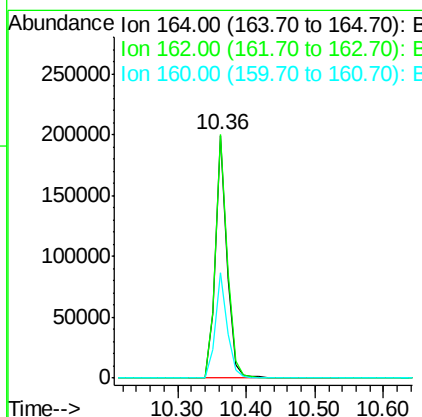
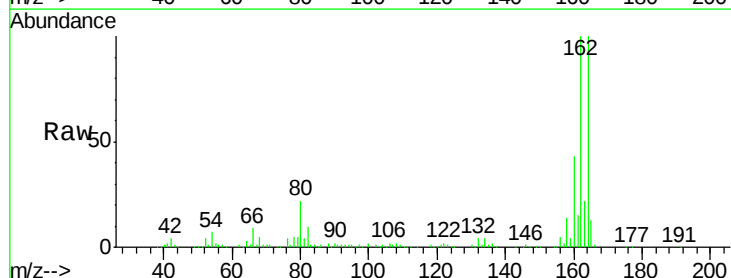
Instrument :  
BNA\_M  
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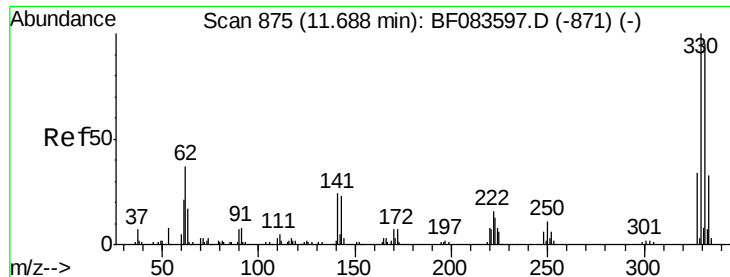
Tgt Ion:128 Resp: 84799  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 14.5 10.6 16.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.36 min Scan# 759  
Delta R.T. -0.02 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

Tgt Ion:164 Resp: 242673  
Ion Ratio Lower Upper  
164 100  
162 100.4 78.8 118.2  
160 43.3 33.4 50.2

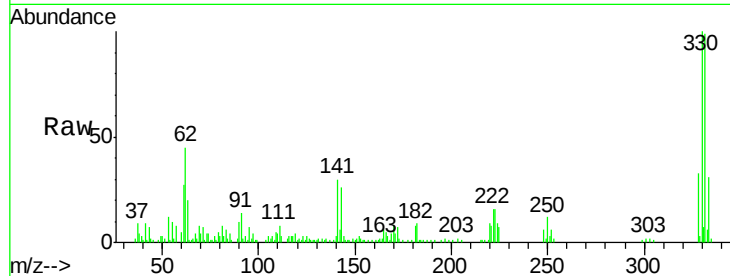




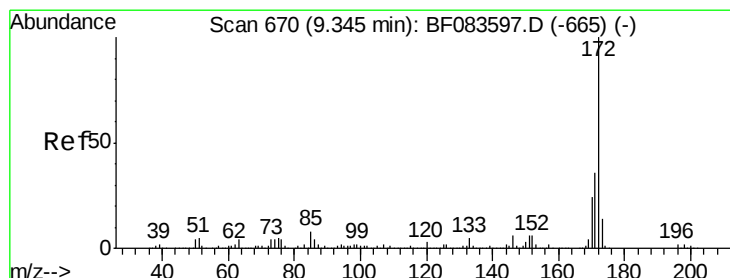
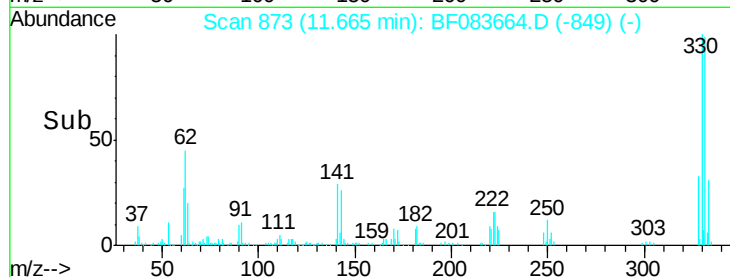
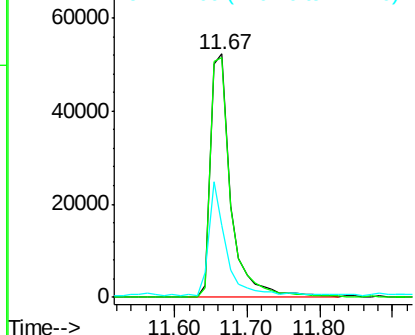
#41  
 2,4,6-Tribromophenol  
 Concen: 47.32 ng  
 RT: 11.67 min Scan# 873  
 Delta R.T. -0.02 min  
 Lab File: BF083664.D  
 Acq: 10 Dec 2015 4:15

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-P3WC-03(0-8)DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 0.0   | 0.0#  |
| 141     | 39.6  | 0.0   | 0.0#  |

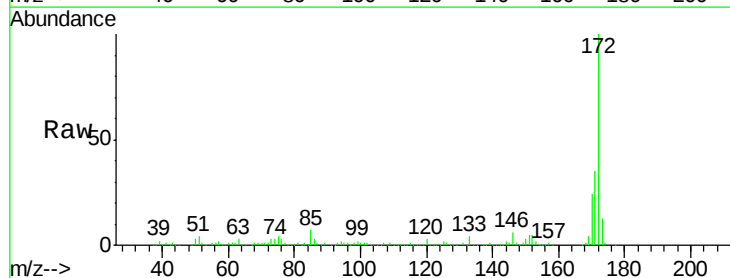


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

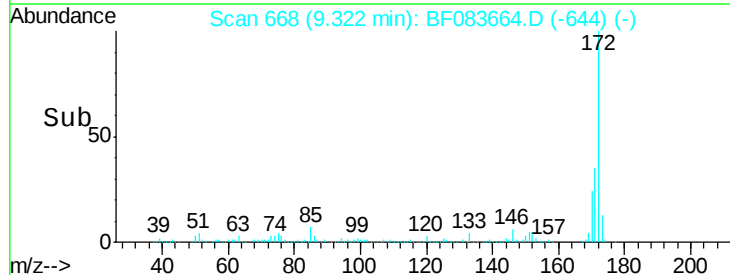
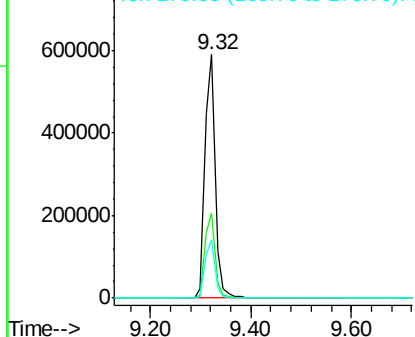


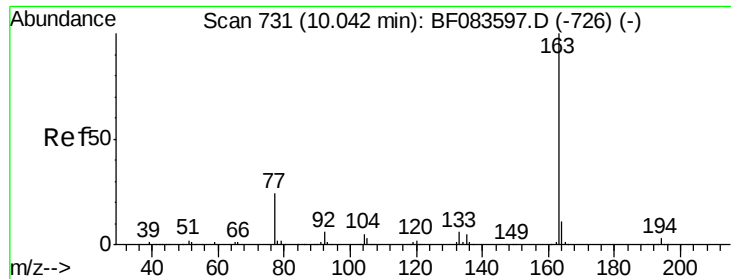
#44  
 2-Fluorobiphenyl  
 Concen: 48.96 ng  
 RT: 9.32 min Scan# 668  
 Delta R.T. -0.02 min  
 Lab File: BF083664.D  
 Acq: 10 Dec 2015 4:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.6  | 42.8  |
| 170     | 23.8  | 19.4  | 29.0  |



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

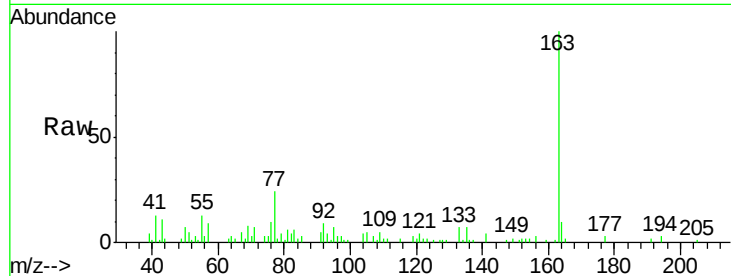




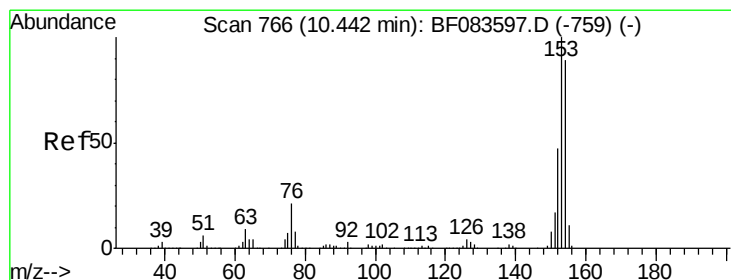
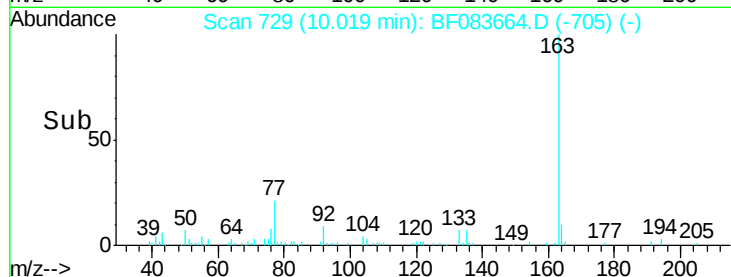
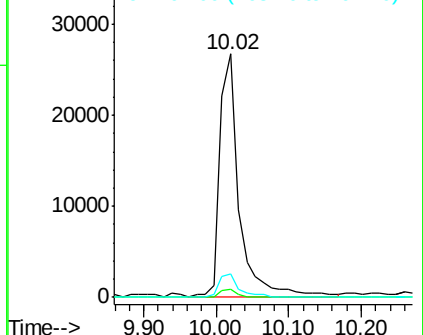
#49  
Dimethylphthalate  
Concen: 2.61 ng  
RT: 10.02 min Scan# 729  
Delta R.T. -0.02 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

Instrument :  
BNA\_M  
ClientSampleId :  
SB-P3WC-03(0-8)DL

Tgt Ion:163 Resp: 50495  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.8 4.2  
164 9.7 8.6 13.0

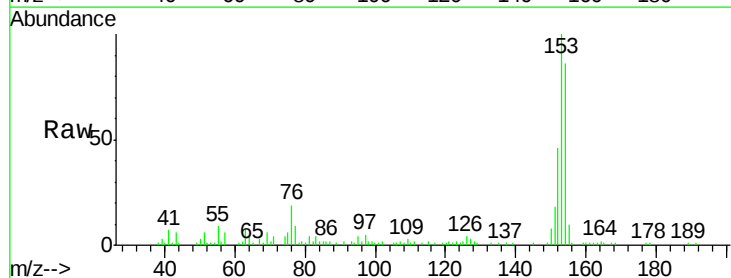


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

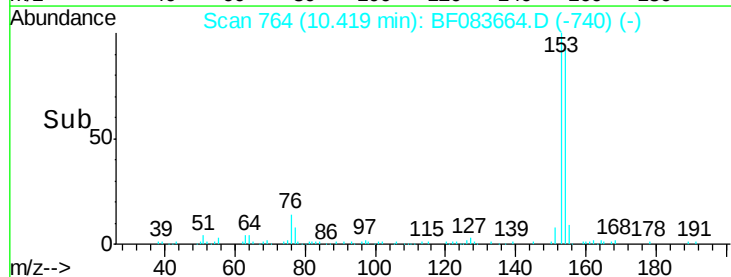
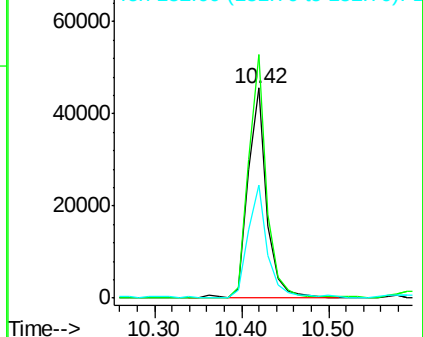


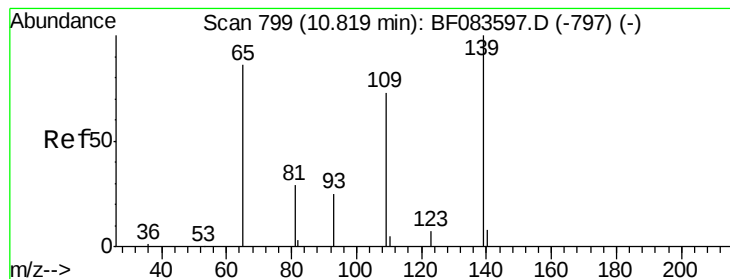
#51  
Acenaphthene  
Concen: 4.55 ng  
RT: 10.42 min Scan# 764  
Delta R.T. -0.02 min  
Lab File: BF083664.D  
Acq: 10 Dec 2015 4:15

Tgt Ion:154 Resp: 68446  
Ion Ratio Lower Upper  
154 100  
153 116.0 91.4 137.0  
152 53.9 43.4 65.2



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





#55

4-Nitrophenol

Concen: 6.76 ng

RT: 10.72 min Scan# 790

Delta R.T. -0.10 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

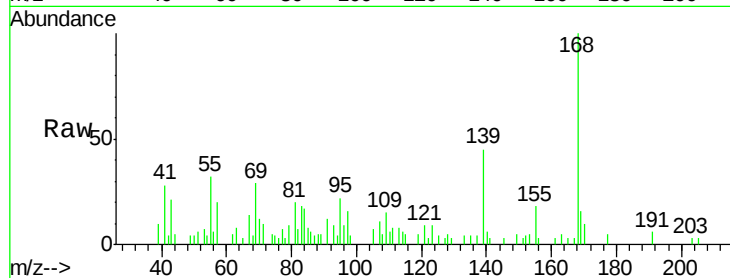
Tgt Ion:139 Resp: 12622

Ion Ratio Lower Upper

139 100

109 34.3 42.0 82.0#

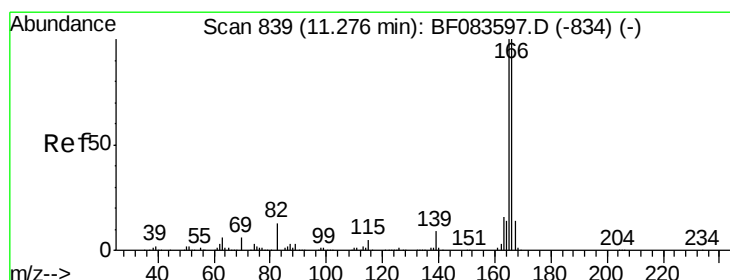
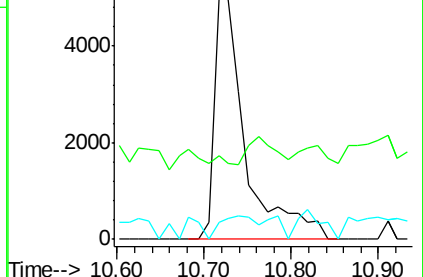
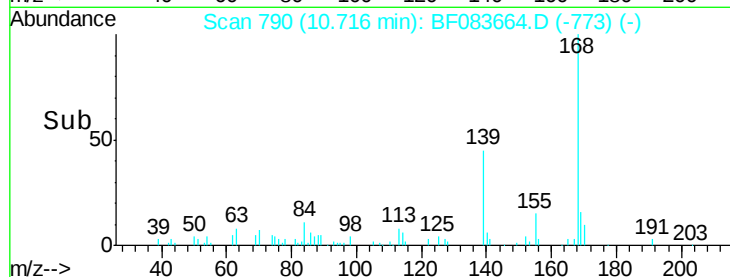
65 6.9 89.2 129.2#



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: 2.85 ng

RT: 11.27 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

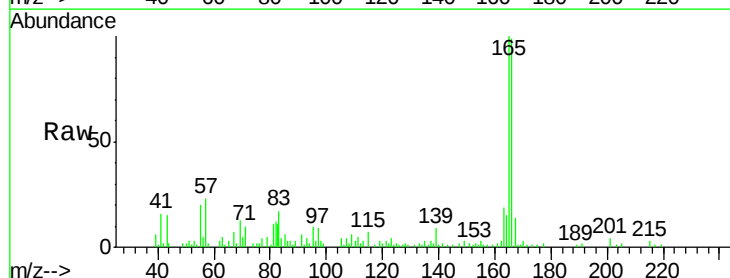
Tgt Ion:166 Resp: 51774

Ion Ratio Lower Upper

166 100

165 100.5 80.0 120.0

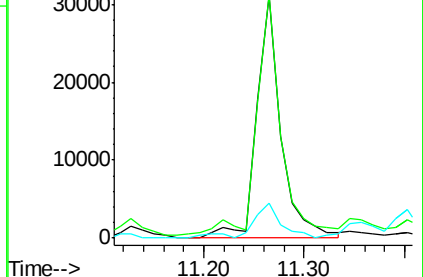
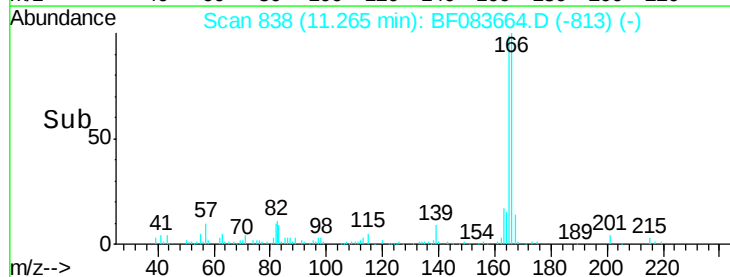
167 14.2 10.6 16.0

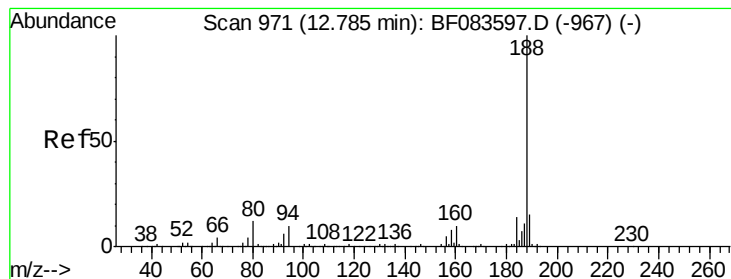


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

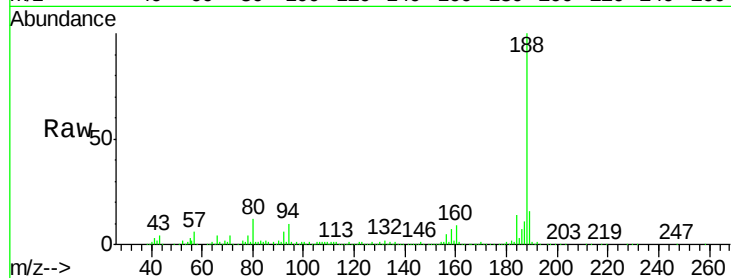
Tgt Ion:188 Resp: 369966

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

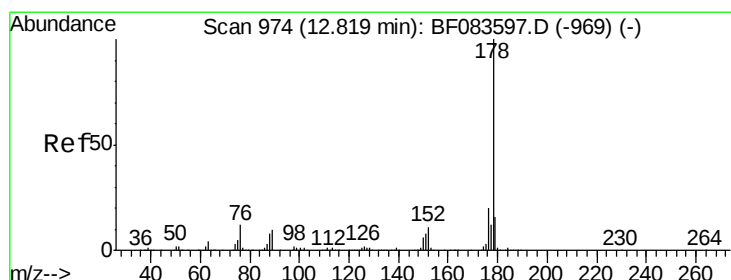
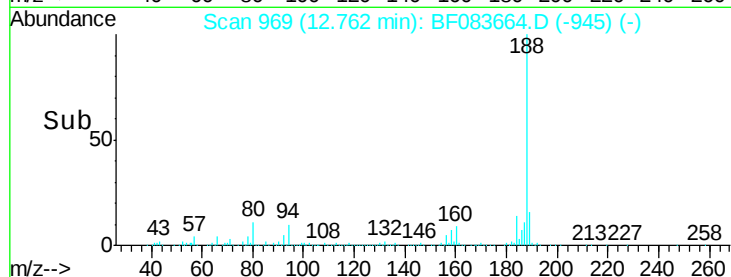
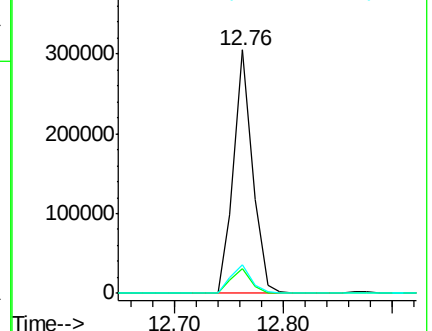
80 11.7 10.6 16.0



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



#70

Phenanthrene

Concen: 33.48 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

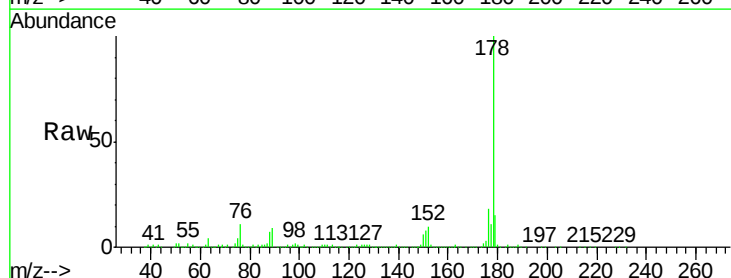
Tgt Ion:178 Resp: 711760

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

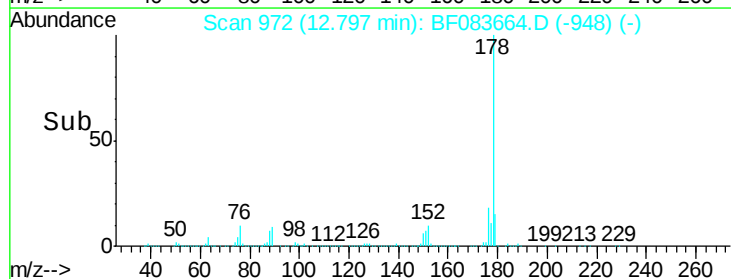
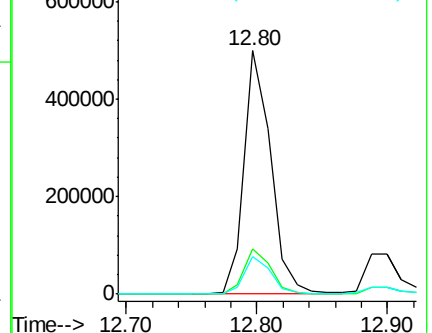
179 15.5 12.2 18.4

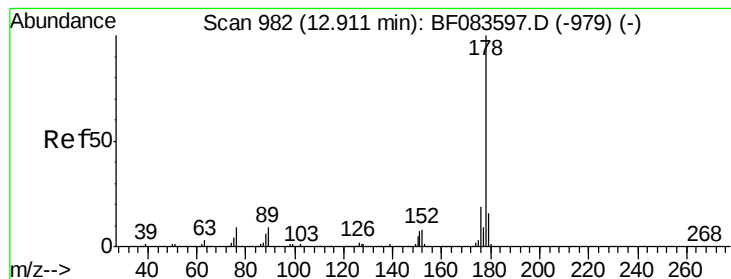


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.82 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

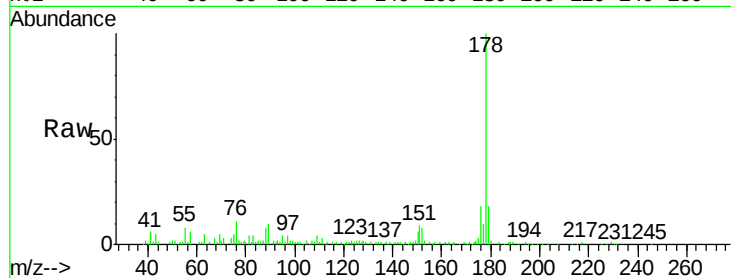
Tgt Ion:178 Resp: 150232

Ion Ratio Lower Upper

178 100

176 18.0 15.2 22.8

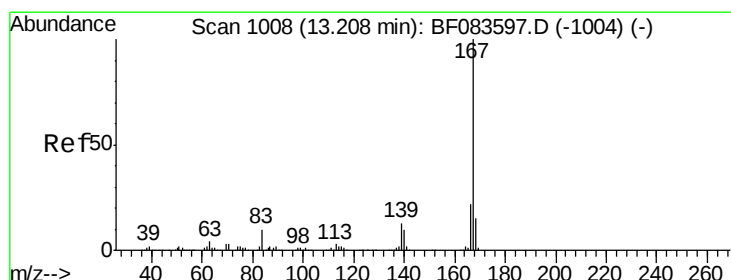
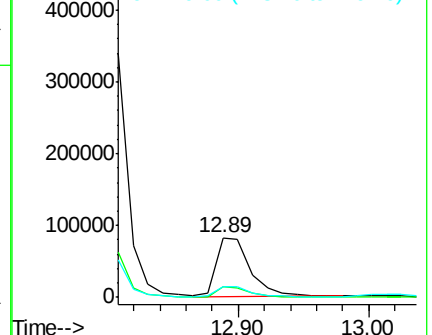
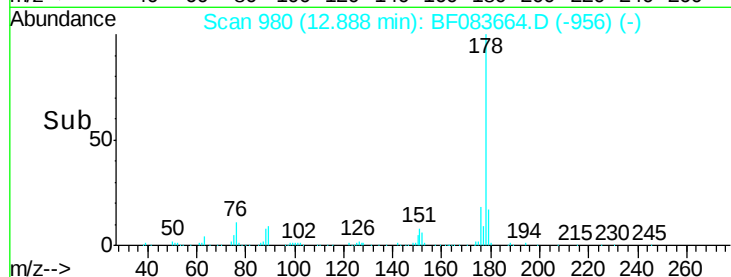
179 17.7 12.6 18.8



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: 3.11 ng

RT: 13.21 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

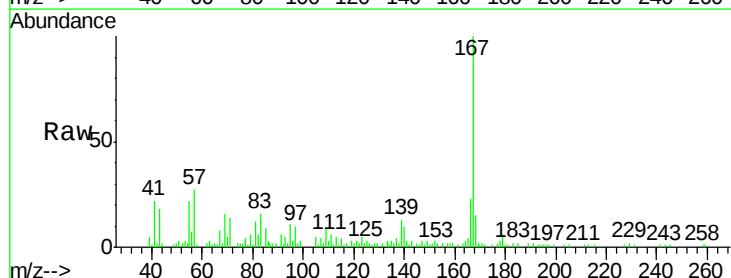
Tgt Ion:167 Resp: 58670

Ion Ratio Lower Upper

167 100

166 23.3 17.2 25.8

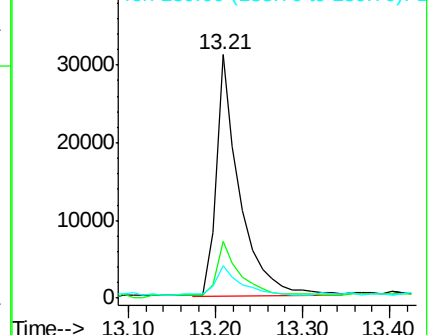
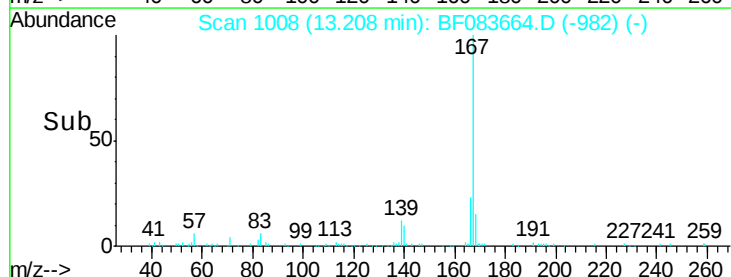
139 13.5 9.3 13.9

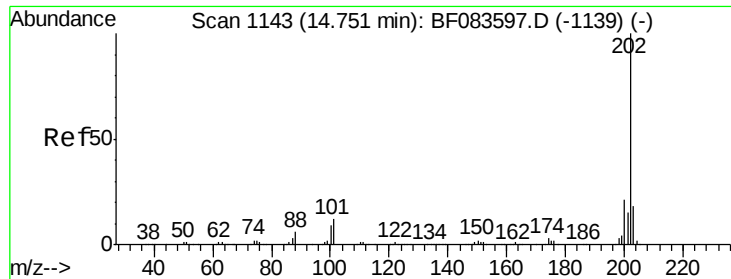


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.04 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

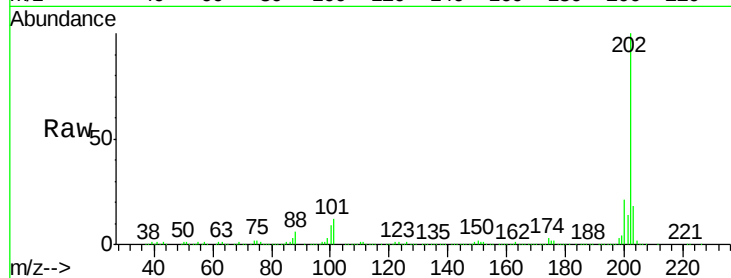
Tgt Ion: 202 Resp: 979307

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

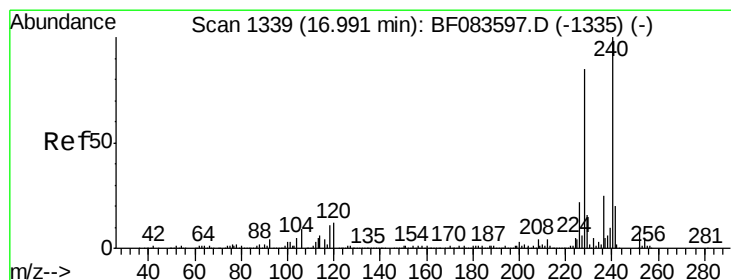
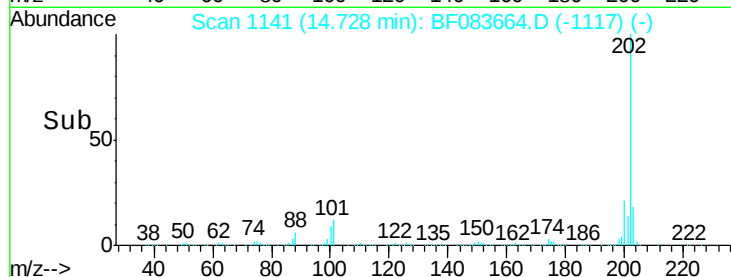
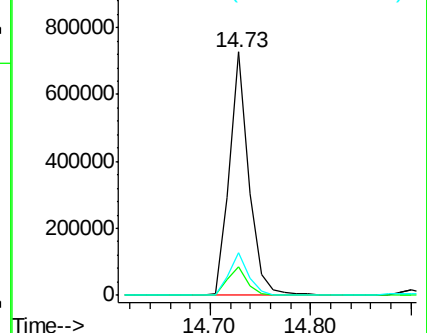
203 17.7 0.0 37.6



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: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

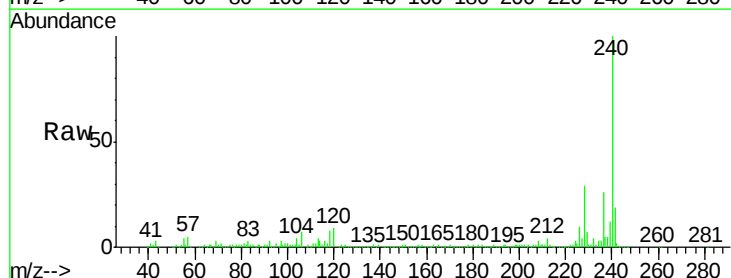
Tgt Ion: 240 Resp: 298464

Ion Ratio Lower Upper

240 100

120 9.0 8.1 12.1

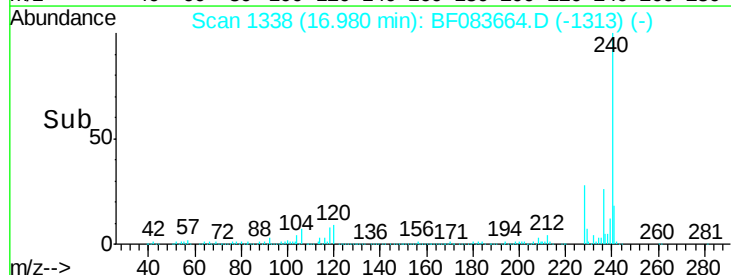
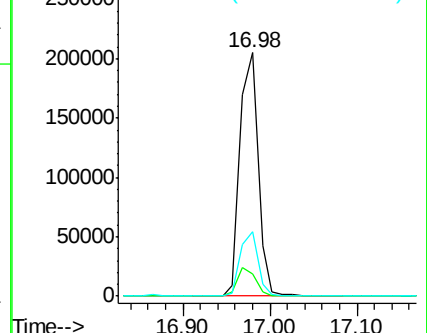
236 26.3 20.8 31.2

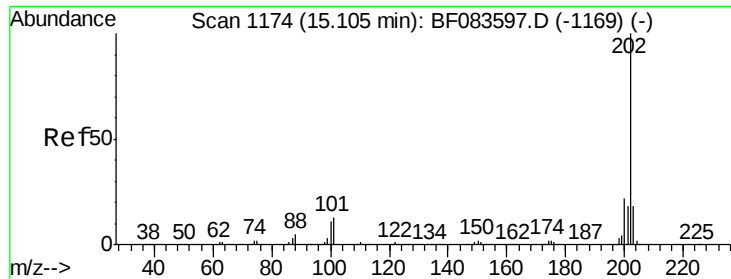


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

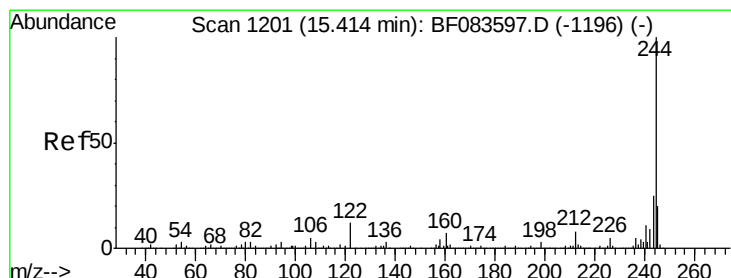
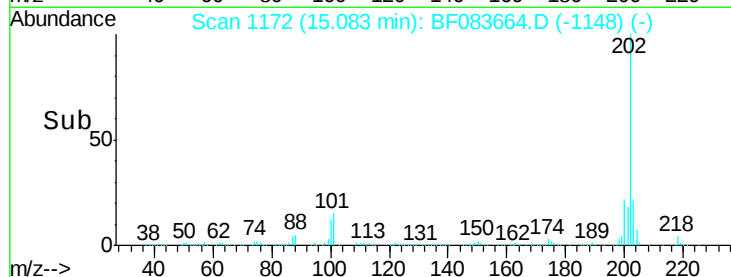
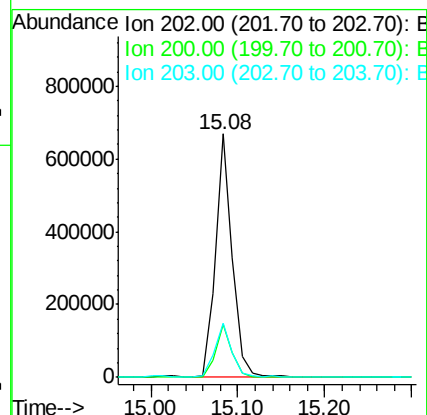
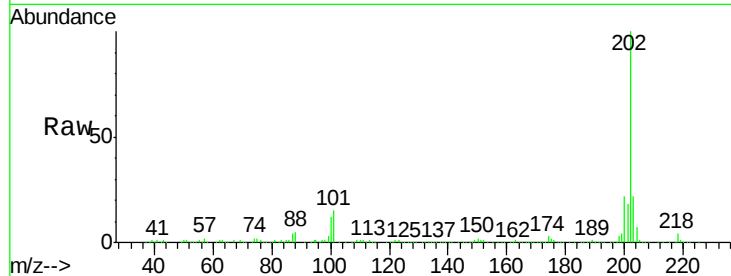




#77  
 Pyrene  
 Concen: 41.89 ng  
 RT: 15.08 min Scan# 1172  
 Delta R.T. -0.02 min  
 Lab File: BF083664.D  
 Acq: 10 Dec 2015 4:15

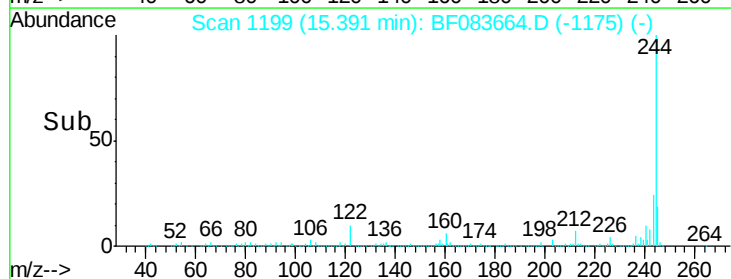
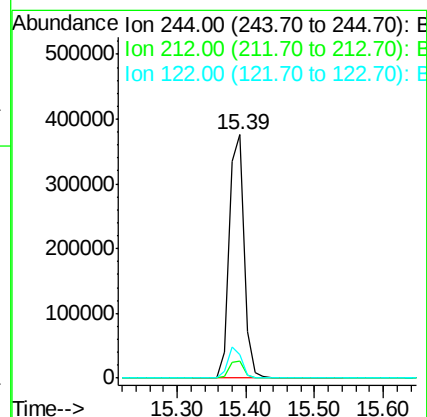
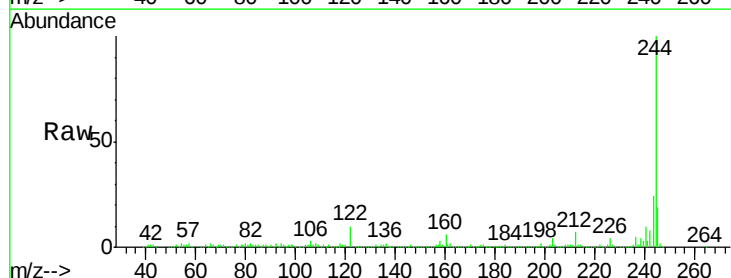
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-P3WC-03(0-8)DL

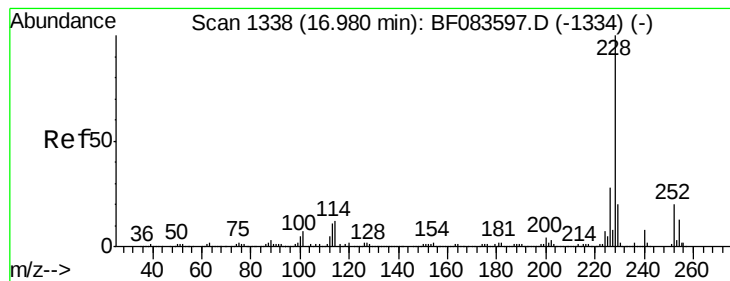
Tgt Ion: 202 Resp: 900069  
 Ion Ratio Lower Upper  
 202 100  
 200 21.5 16.7 25.1  
 203 22.3 14.3 21.5#



#78  
 Terphenyl-d14  
 Concen: 45.36 ng  
 RT: 15.39 min Scan# 1199  
 Delta R.T. -0.02 min  
 Lab File: BF083664.D  
 Acq: 10 Dec 2015 4:15

Tgt Ion: 244 Resp: 575374  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.1 9.1  
 122 9.7 11.0 16.6#





#80

Benzo(a)anthracene

Concen: 22.04 ng

RT: 17.01 min Scan# 1341

Delta R.T. 0.03 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

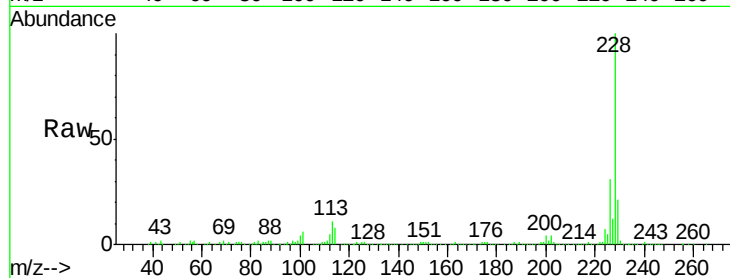
Tgt Ion:228 Resp: 384940

Ion Ratio Lower Upper

228 100

226 30.6 22.3 33.5

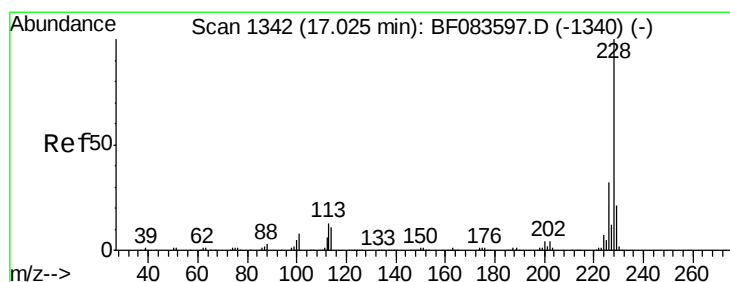
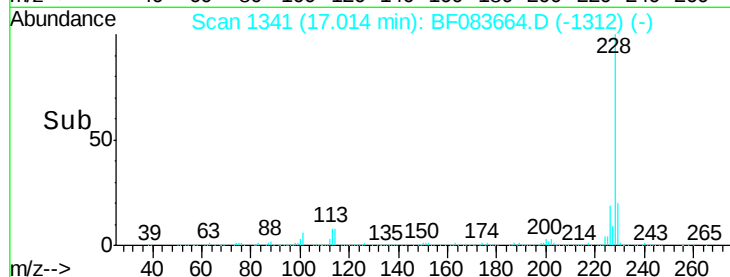
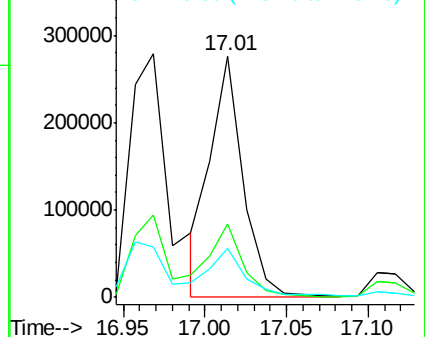
229 20.5 15.7 23.5



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



#82

Chrysene

Concen: 22.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

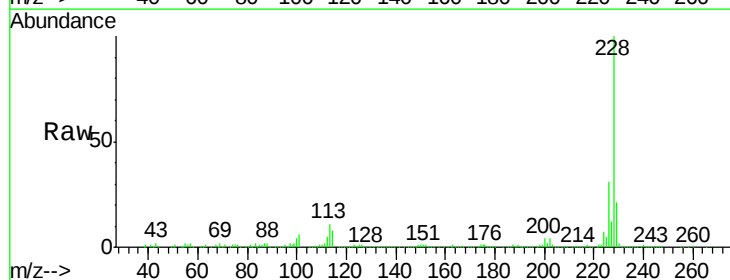
Tgt Ion:228 Resp: 385349

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

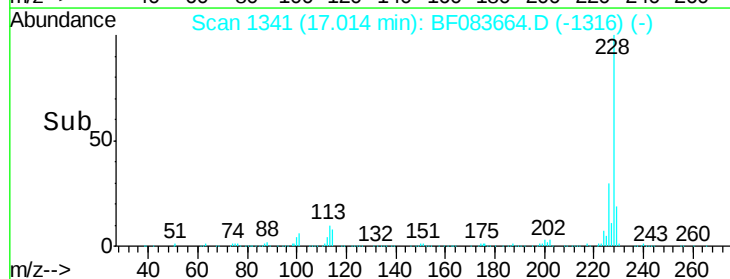
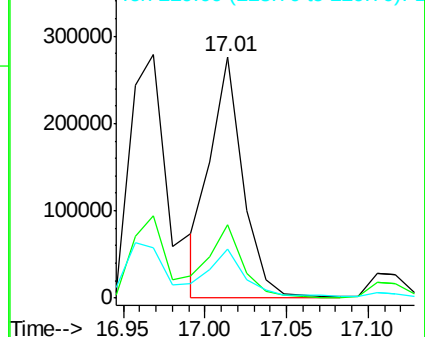
229 20.5 16.3 24.5

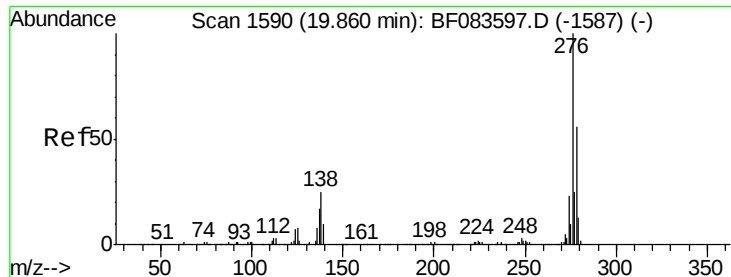


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.23 ng

RT: 19.87 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

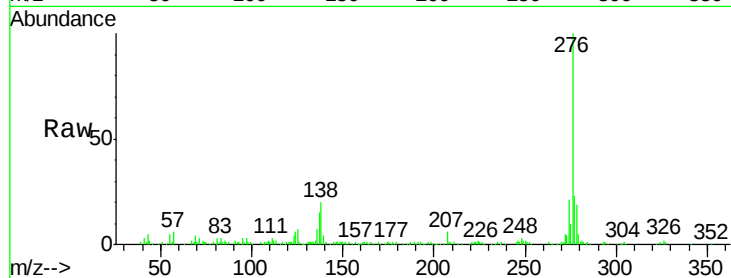
Tgt Ion: 276 Resp: 180072

Ion Ratio Lower Upper

276 100

138 20.0 0.0 0.0#

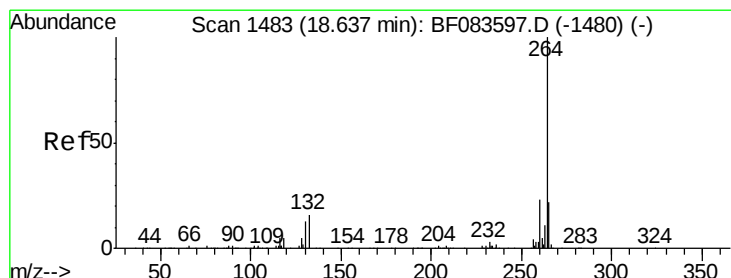
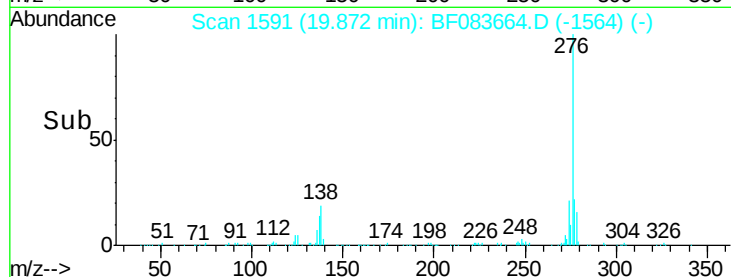
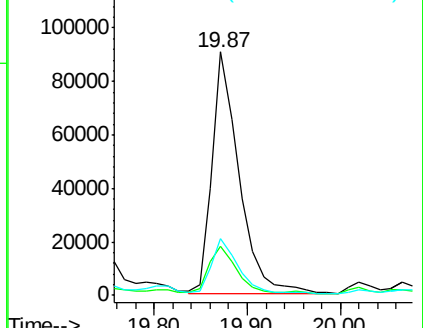
277 23.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

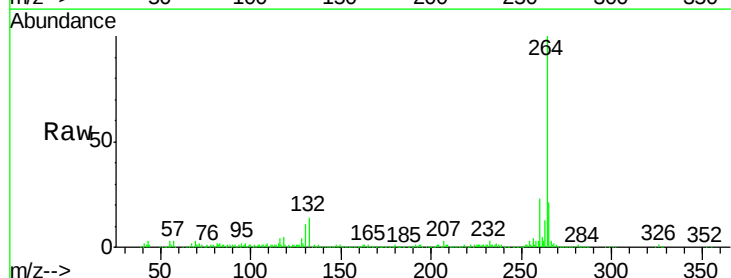
Tgt Ion: 264 Resp: 252096

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

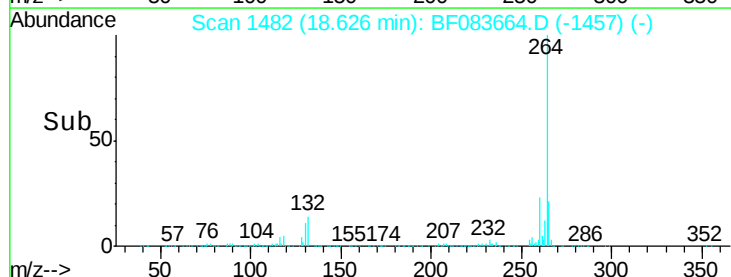
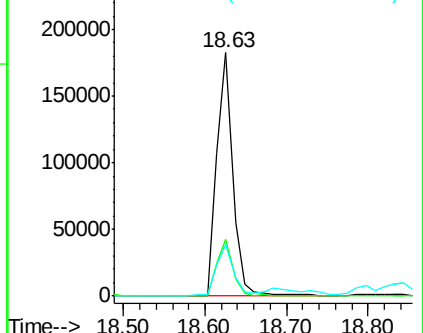
265 21.4 17.8 26.6

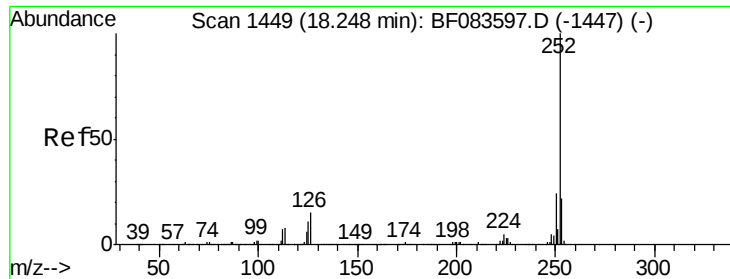


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 42.31 ng

RT: 18.25 min Scan# 1449

Delta R.T. 0.00 min

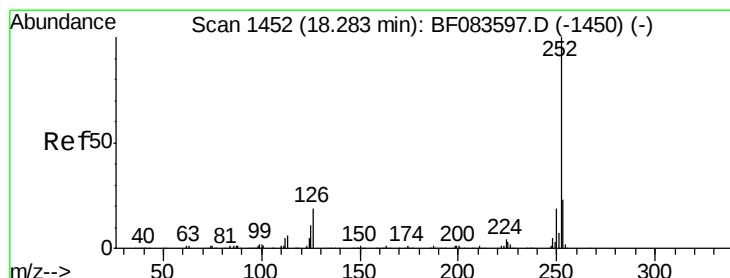
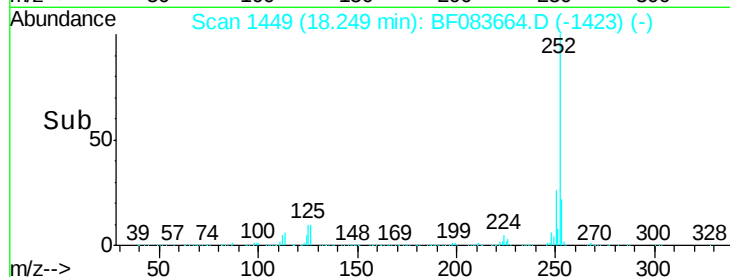
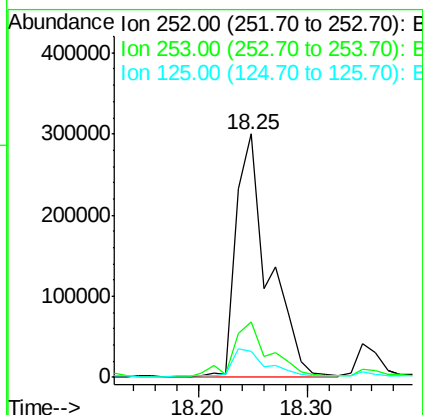
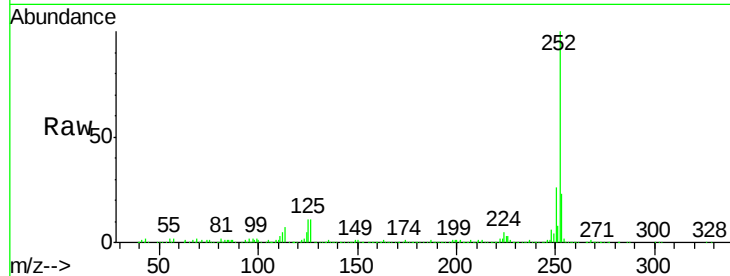
Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :  
BNA\_M  
ClientSampleId :  
SB-P3WC-03(0-8)DL

Tgt Ion:252 Resp: 607402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 18.2  | 27.4  |
| 125 | 10.7  | 8.2   | 12.4  |



#88

Benzo(k)fluoranthene

Concen: 38.40 ng

RT: 18.25 min Scan# 1449

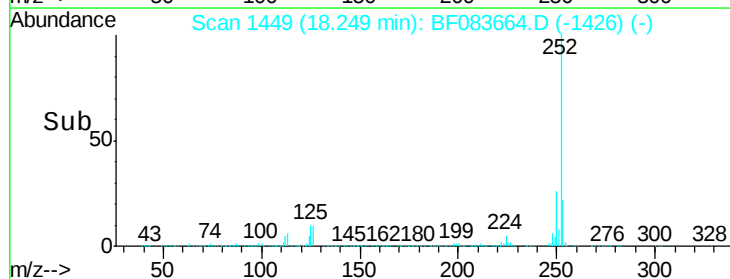
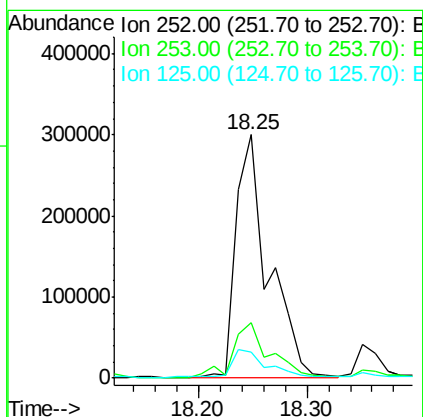
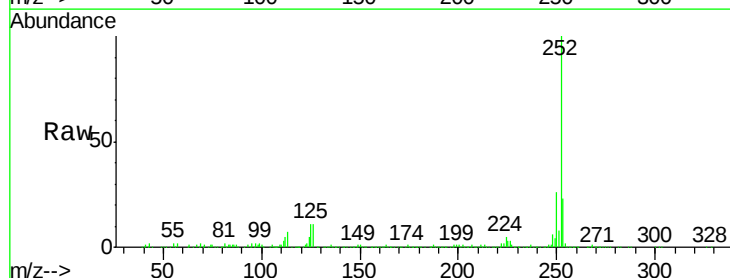
Delta R.T. -0.03 min

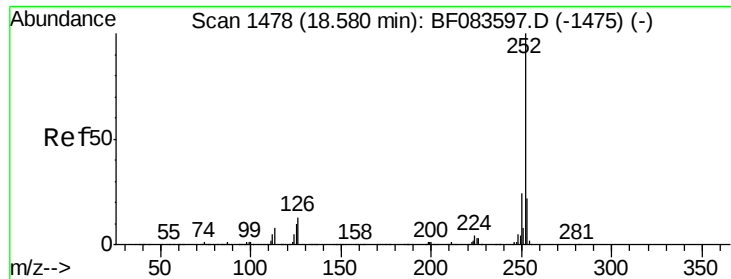
Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion:252 Resp: 607402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 18.6  | 27.8  |
| 125 | 10.7  | 11.5  | 17.3# |





#89

Benzo(a)pyrene

Concen: 21.40 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL

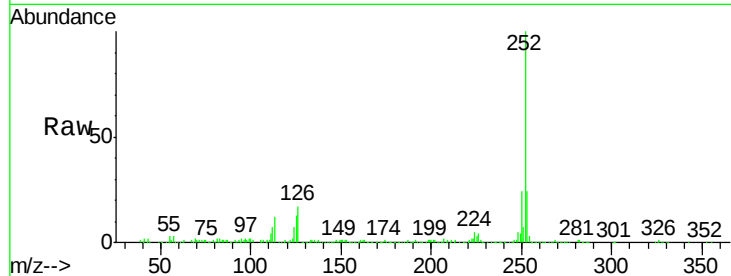
Tgt Ion: 252 Resp: 299787

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

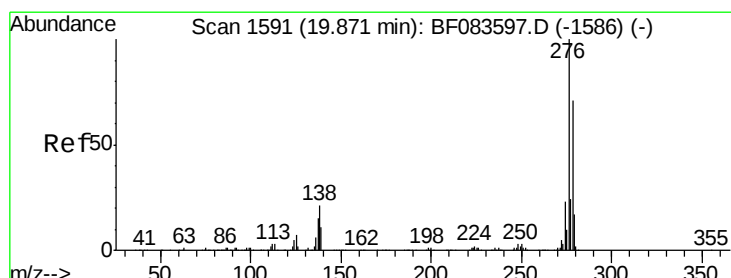
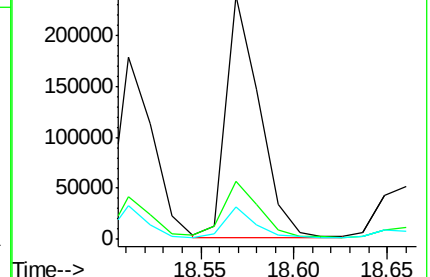
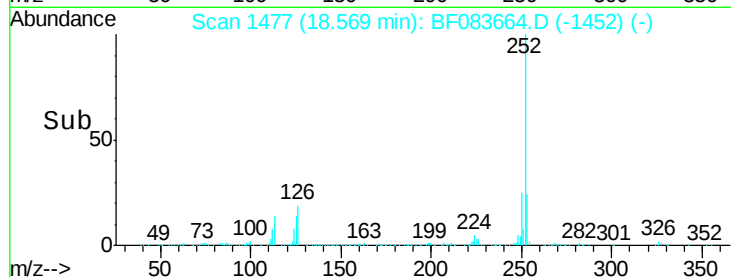
125 13.1 11.0 16.6



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: 2.51 ng

RT: 19.71 min Scan# 1577

Delta R.T. -0.16 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

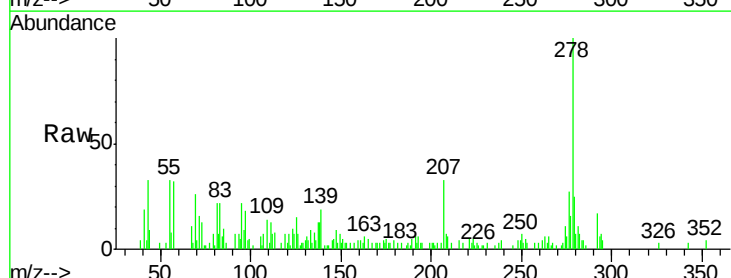
Tgt Ion: 278 Resp: 26837

Ion Ratio Lower Upper

278 100

139 18.8 12.8 19.2

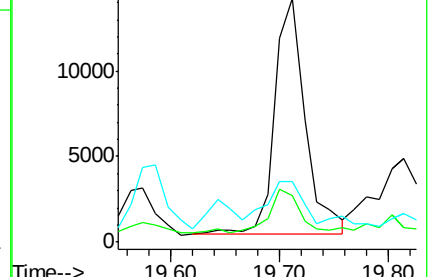
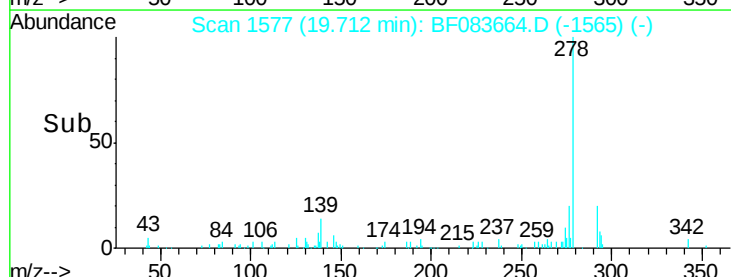
279 24.7 18.6 28.0

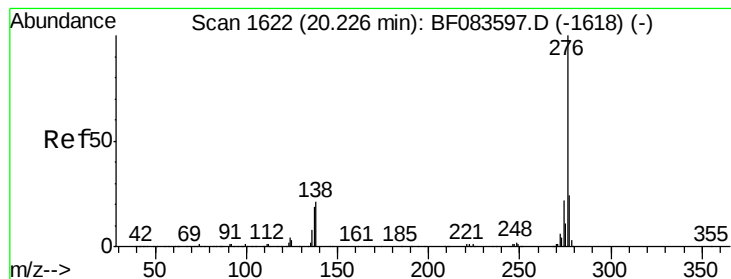


Abundance Ion 278.00 (277.70 to 278.70): E

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: 18.05 ng

RT: 20.23 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BF083664.D

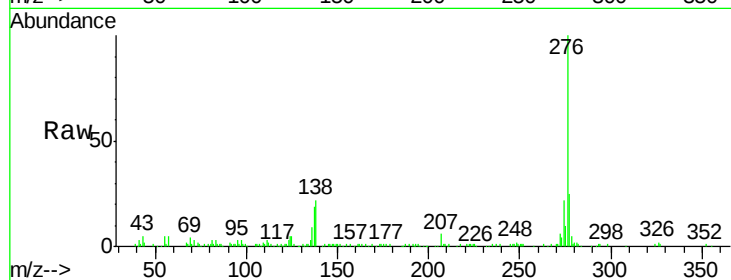
Acq: 10 Dec 2015 4:15

Instrument :

BNA\_M

ClientSampleId :

SB-P3WC-03(0-8)DL



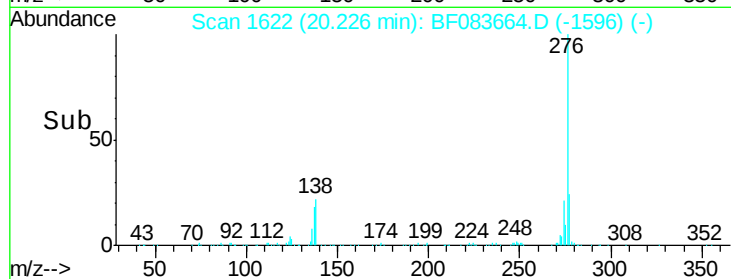
Tgt Ion: 276 Resp: 188446

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 22.2 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

