

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\  
 Data File : BF086996.D  
 Acq On : 14 May 2016 3:40  
 Operator : UM/SJ  
 Sample : H2969-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AFP-59-GW

Quant Time: May 14 05:12:16 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 23:02:21 2016  
 Response via : Initial Calibration

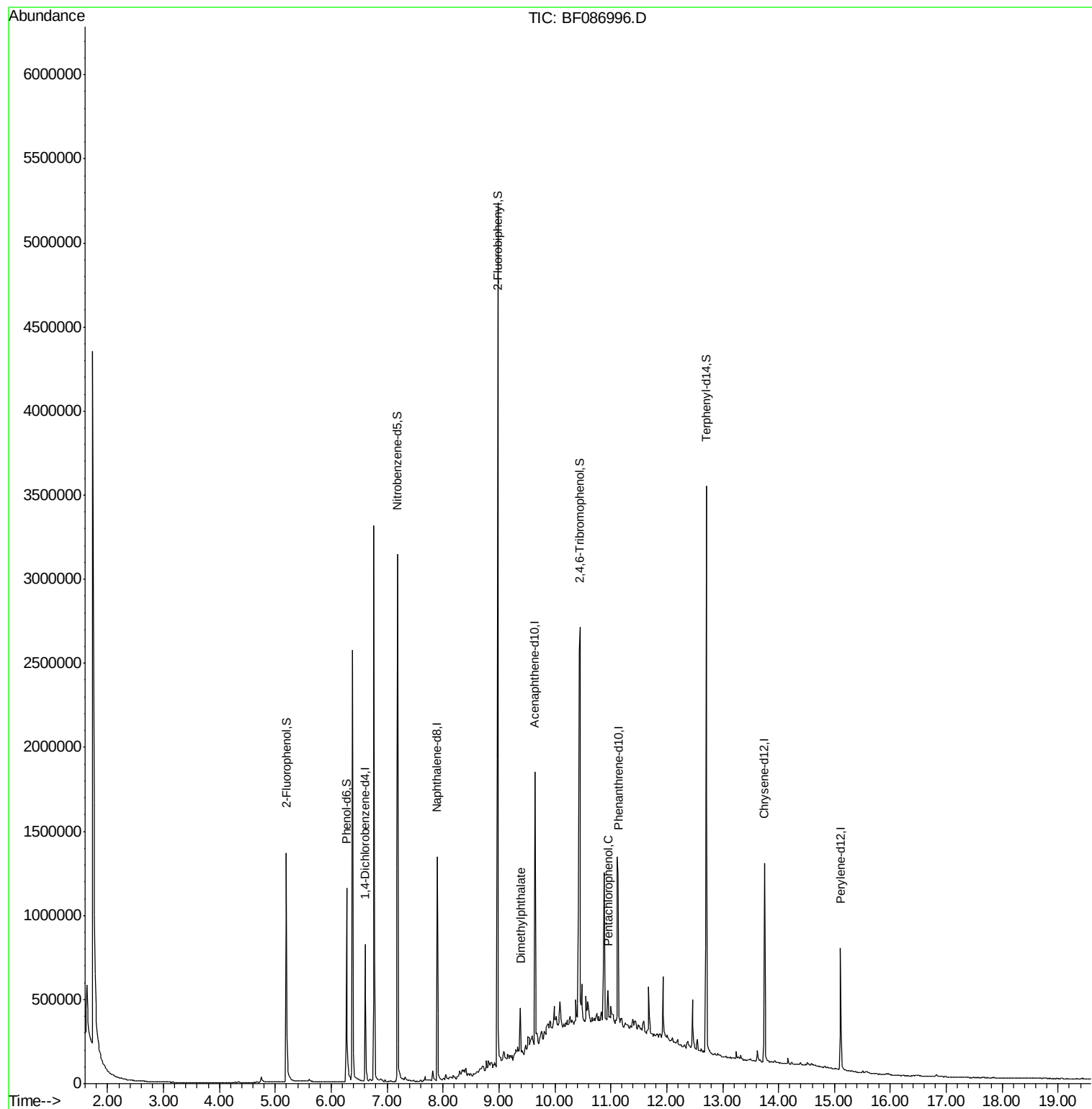
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.60  | 152  | 142111   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.90  | 136  | 595728   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.64  | 164  | 285377   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.13 | 188  | 512368   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.75 | 240  | 387700   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.11 | 264  | 298900   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 499992   | 59.58  | ng    | 0.00     |
| 7) Phenol-d6                | 6.27  | 99   | 402271   | 35.87  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 1042920  | 87.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.44 | 330  | 463944   | 153.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 1550710  | 91.33  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.71 | 244  | 1225714  | 67.08  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.38  | 163  | 100417   | 4.61   | ng    | 100      |
| 69) Pentachlorophenol       | 10.95 | 266  | 8624     | 3.07   | ng    | 94       |

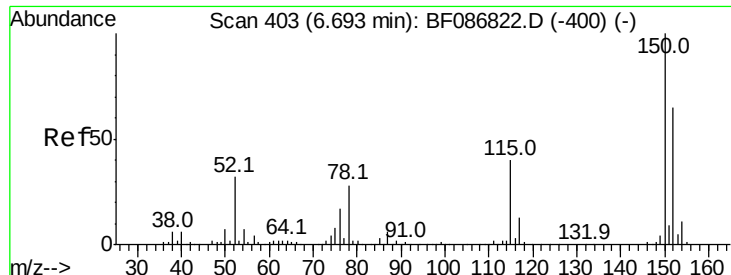
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 23:02:21 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

Instrument :

BNA\_F

ClientSampleId :

AFP-59-GW

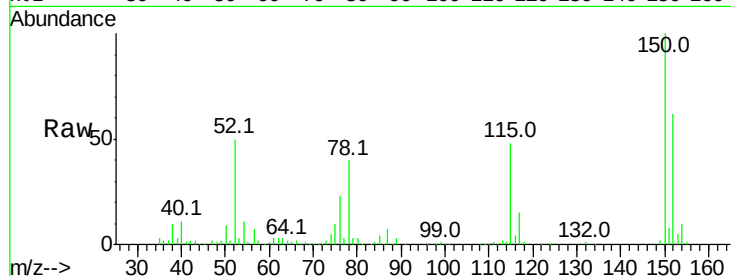
Tot Ion:152 Resp: 142111

Ion Ratio Lower Upper

152 100

150 161.3 125.8 188.6

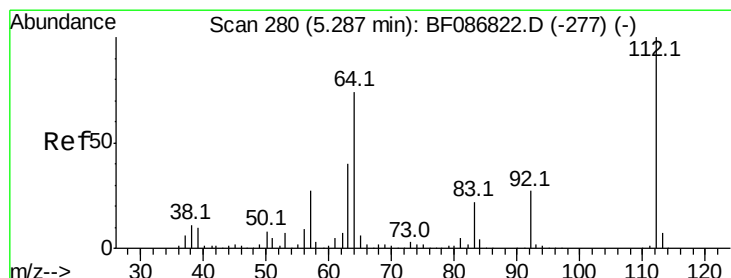
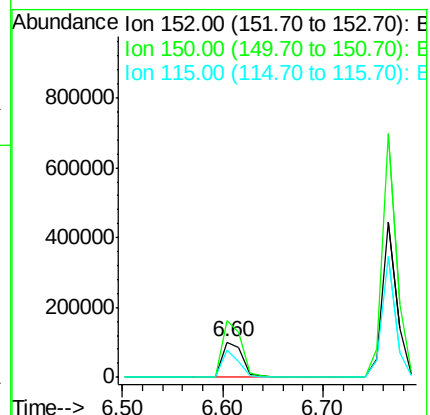
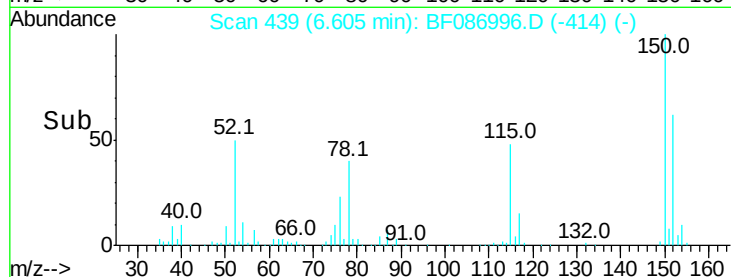
115 77.0 51.5 77.3



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: 59.58 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

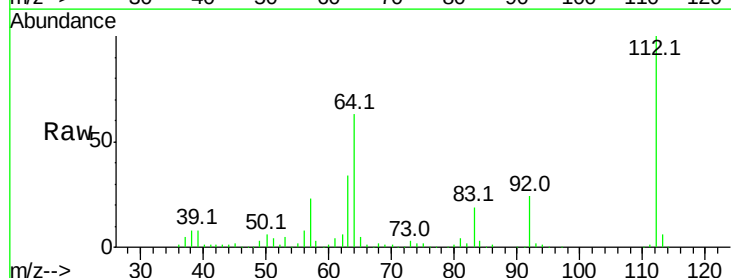
Tgt Ion:112 Resp: 499992

Ion Ratio Lower Upper

112 100

64 63.3 52.1 78.1

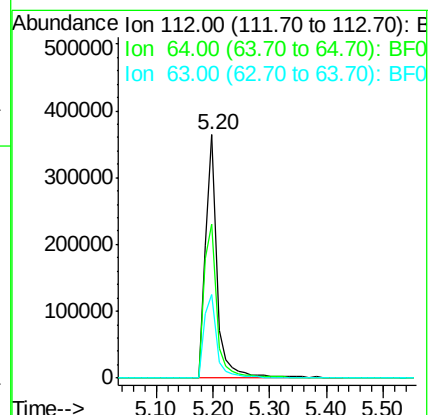
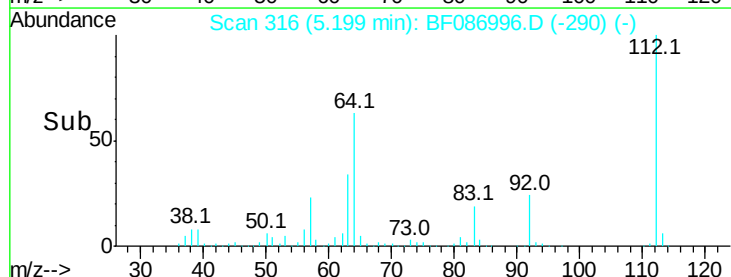
63 34.2 25.7 38.5

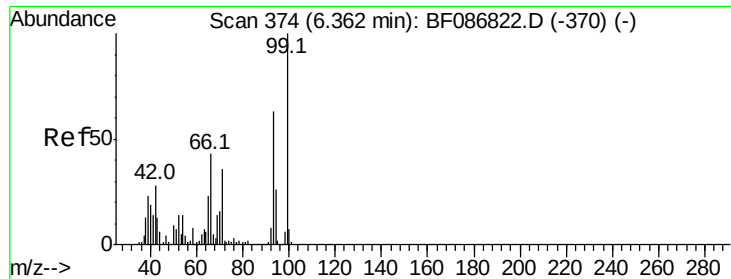


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.87 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

Instrument :

BNA\_F

ClientSampleId :

AFP-59-GW

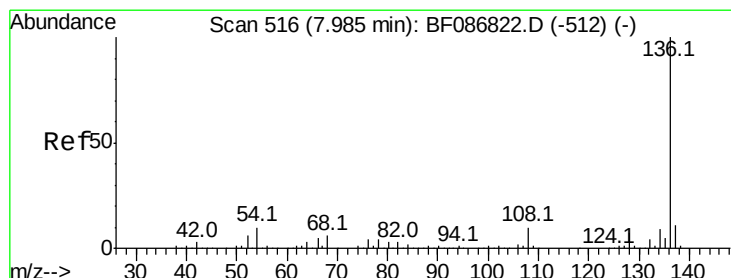
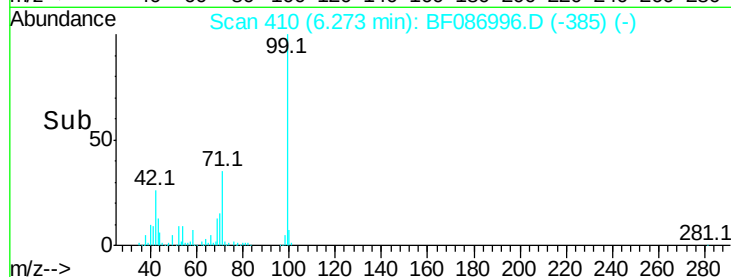
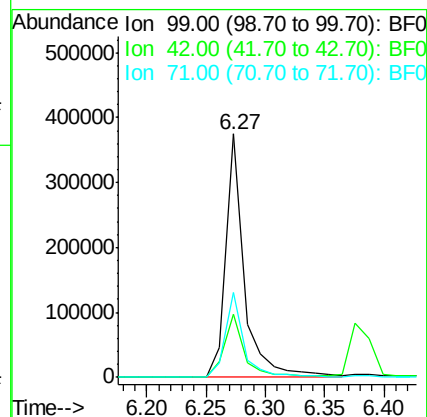
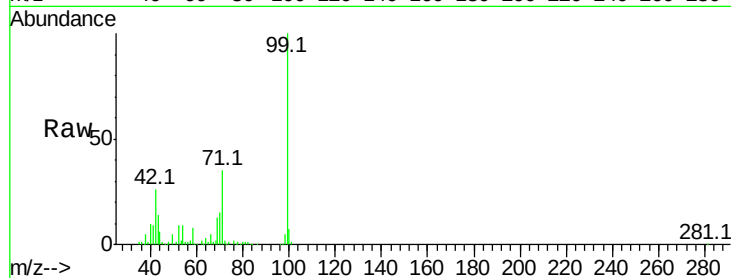
Tot Ion: 99 Resp: 402271

Ion Ratio Lower Upper

99 100

42 25.9 13.6 20.4#

71 34.7 24.6 36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

Tgt Ion: 136 Resp: 595728

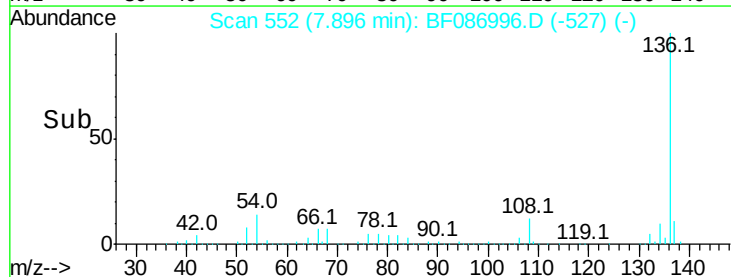
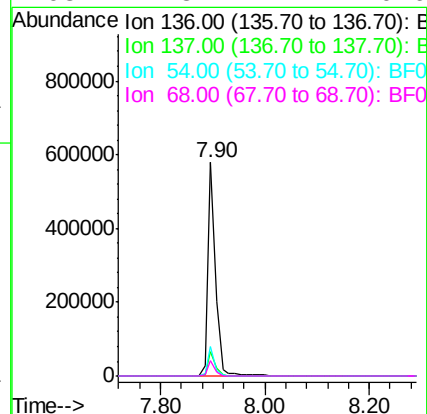
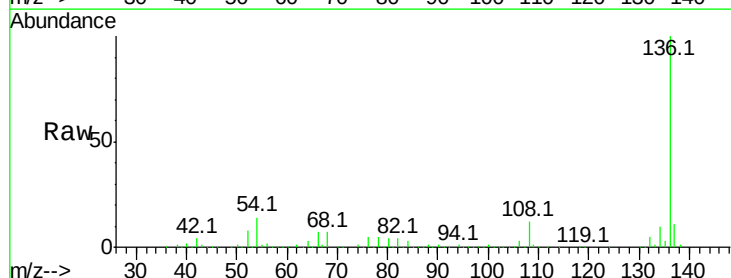
Ion Ratio Lower Upper

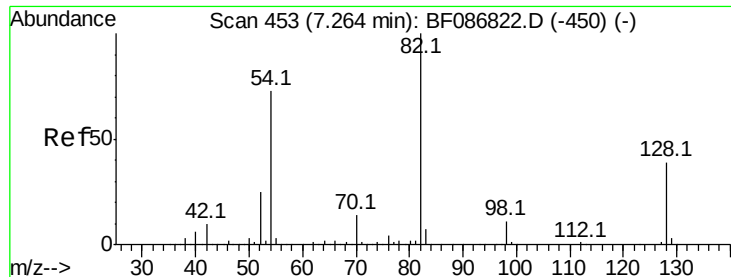
136 100

137 11.3 8.8 13.2

54 13.8 5.0 7.4#

68 7.3 4.4 6.6#

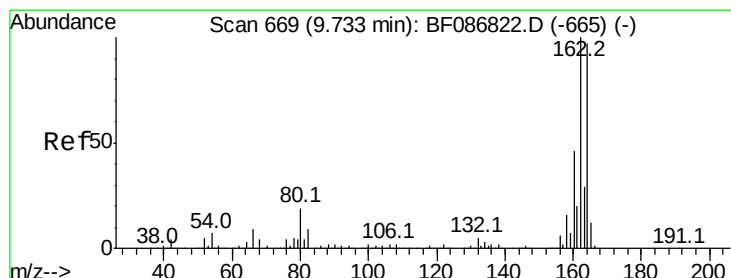
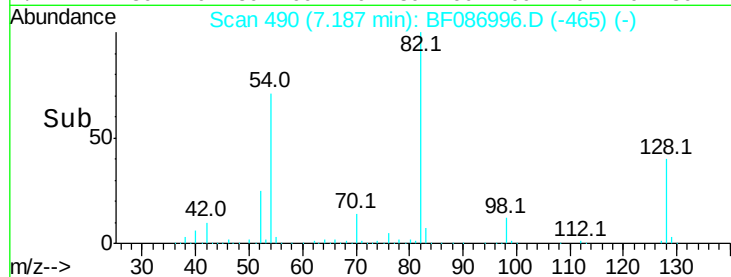
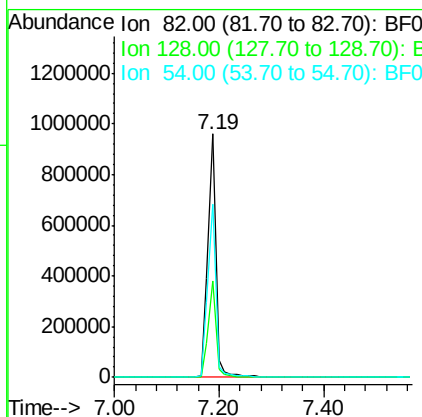
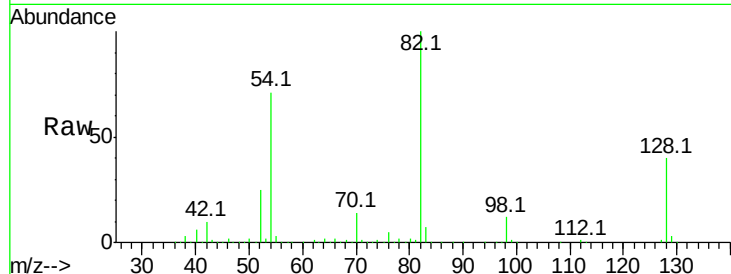




#23  
 Nitrobenzene-d5  
 Concen: 87.91 ng  
 RT: 7.19 min Scan# 490  
 Delta R.T. -0.01 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

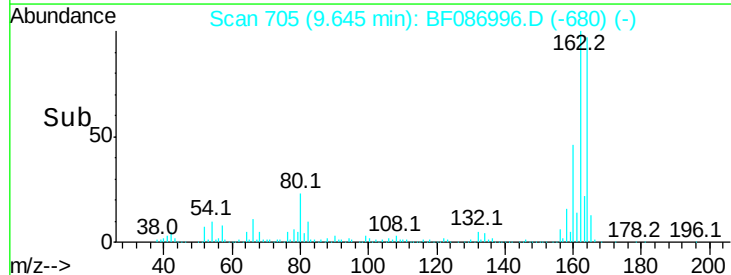
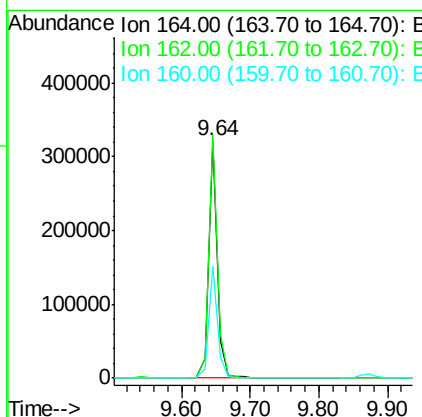
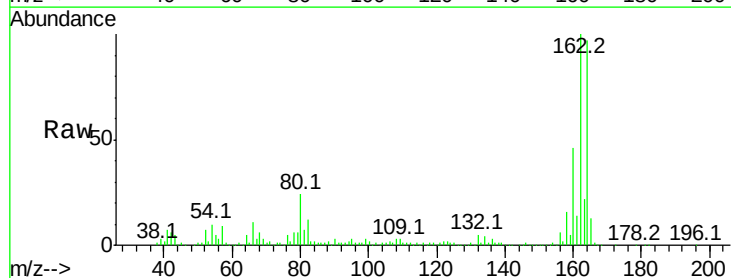
Instrument :  
 BNA\_F  
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 AFP-59-GW

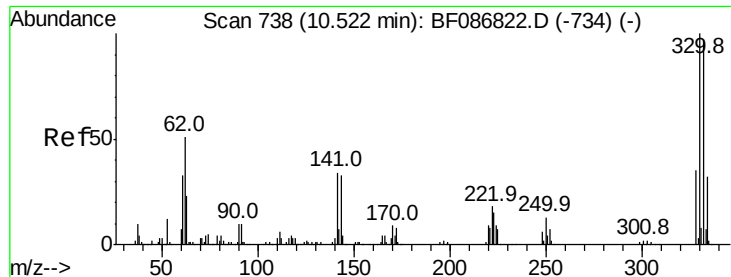
Tot Ion: 82 Resp: 1042920  
 Ion Ratio Lower Upper  
 82 100  
 128 39.6 40.6 61.0#  
 54 71.2 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.64 min Scan# 705  
 Delta R.T. -0.01 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Tgt Ion: 164 Resp: 285377  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.8 124.2  
 160 46.9 36.9 55.3

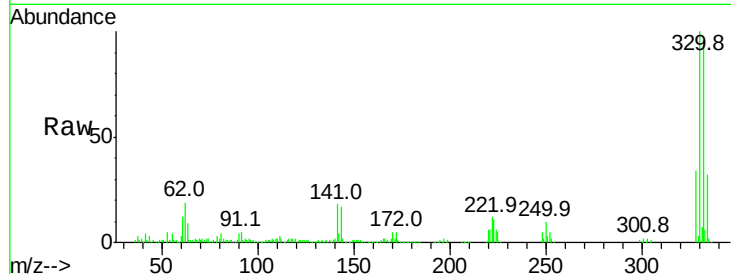




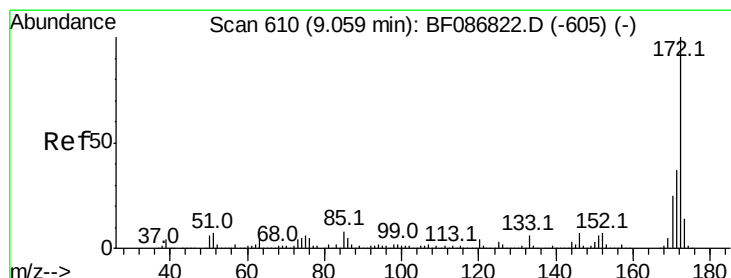
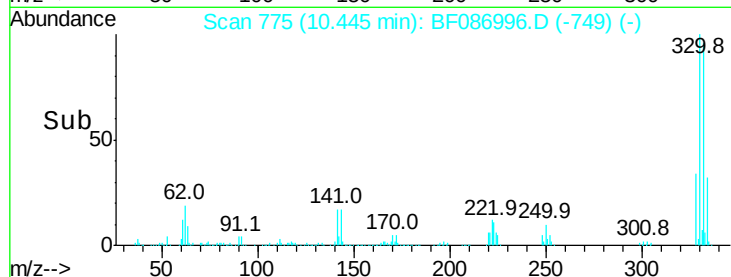
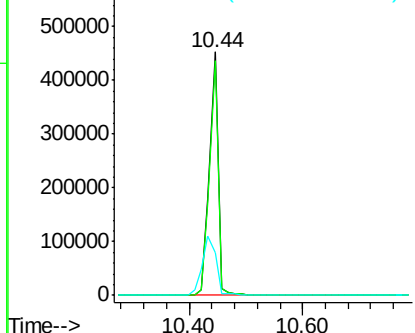
#41  
 2,4,6-Tribromophenol  
 Concen: 153.56 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. 0.00 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AFP-59-GW

Tot Ion:330 Resp: 463944  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 79.0 118.4  
 141 37.2 31.2 46.8

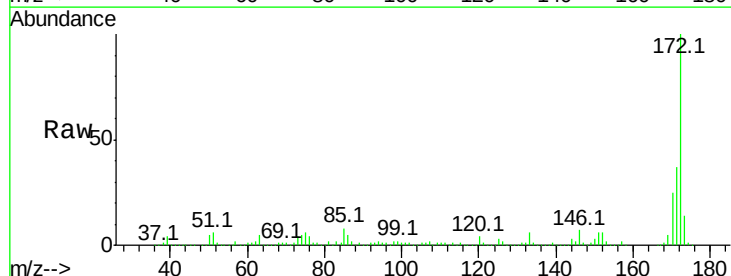


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

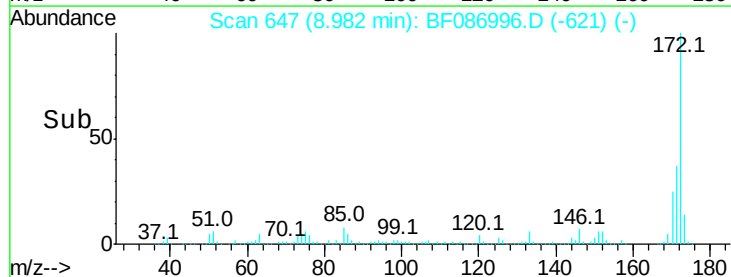
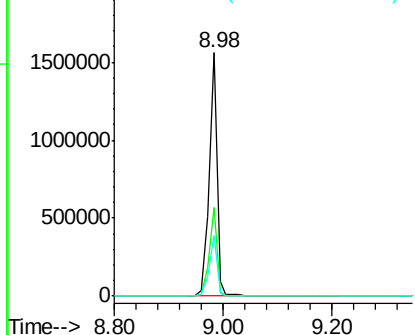


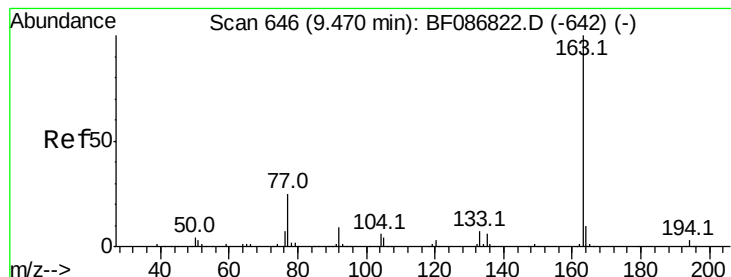
#44  
 2-Fluorobiphenyl  
 Concen: 91.33 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. 0.00 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Tgt Ion:172 Resp: 1550710  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.0 43.6  
 170 25.0 19.8 29.8



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





#49

Dimethylphthalate

Concen: 4.61 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

Instrument :

BNA\_F

ClientSampleId :

AFP-59-GW

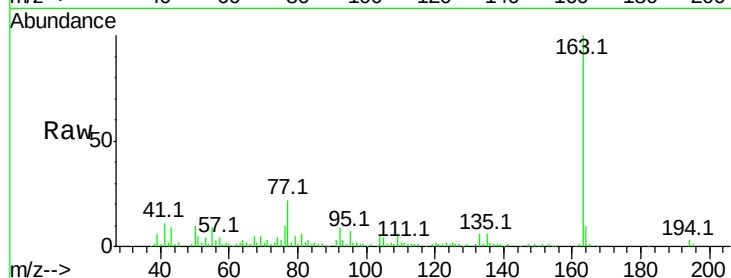
Tot Ion:163 Resp: 100417

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

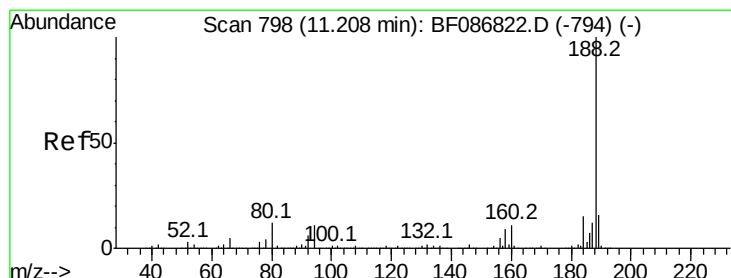
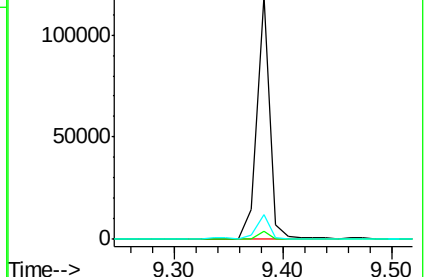
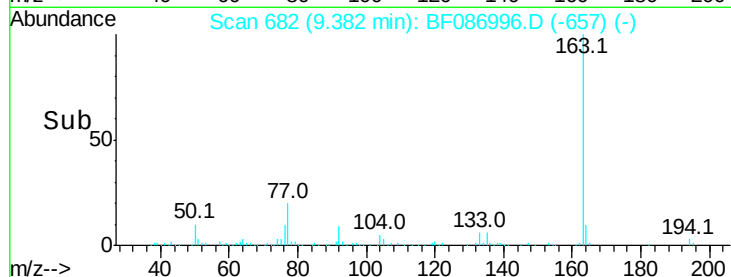
164 10.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF086996.D

Acq: 14 May 2016 3:40

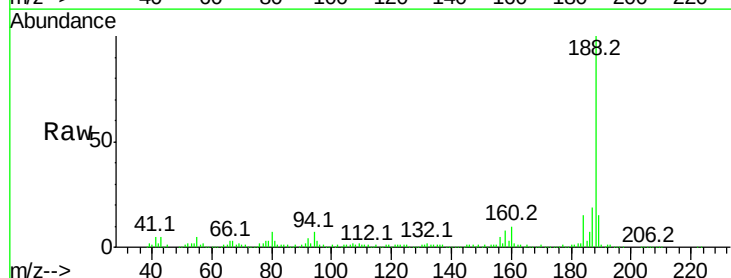
Tgt Ion:188 Resp: 512368

Ion Ratio Lower Upper

188 100

94 7.0 6.8 10.2

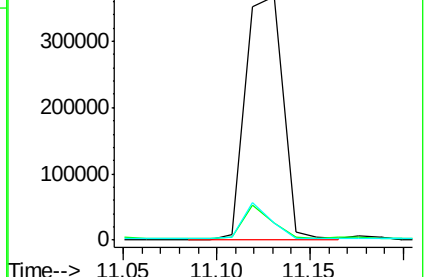
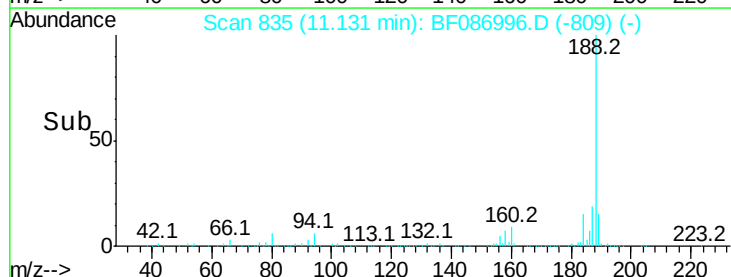
80 7.1 7.1 10.7#

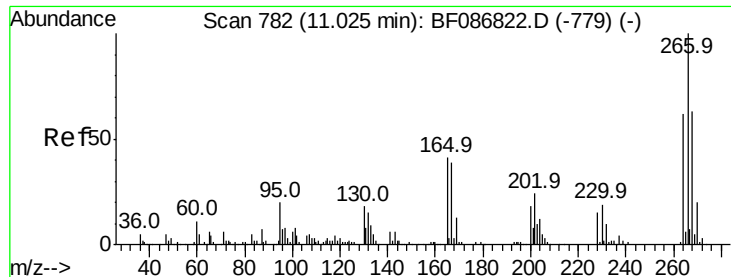


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

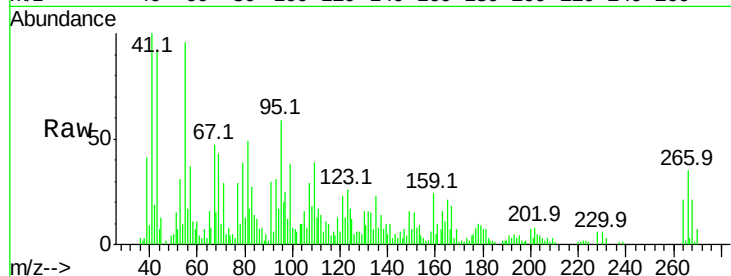




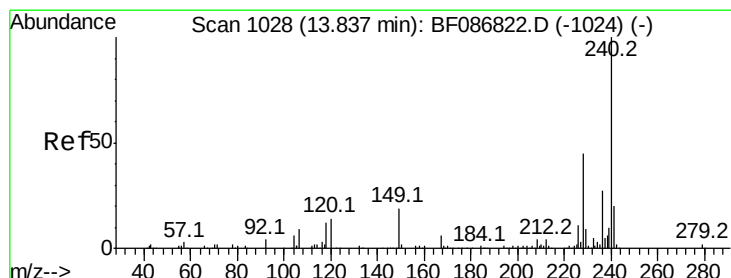
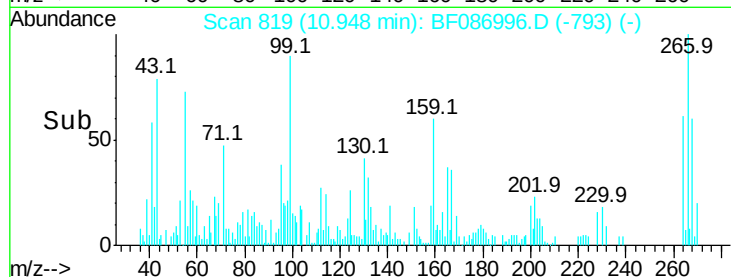
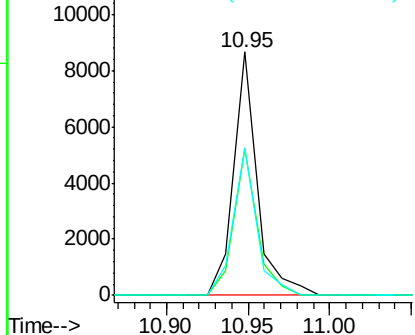
#69  
 Pentachlorophenol  
 Concen: 3.07 ng  
 RT: 10.95 min Scan# 819  
 Delta R.T. 0.00 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Instrument :  
 BNA\_F  
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 AFP-59-GW

Tot Ion:266 Resp: 8624  
 Ion Ratio Lower Upper  
 266 100  
 268 60.4 51.5 77.3  
 264 60.7 52.9 79.3

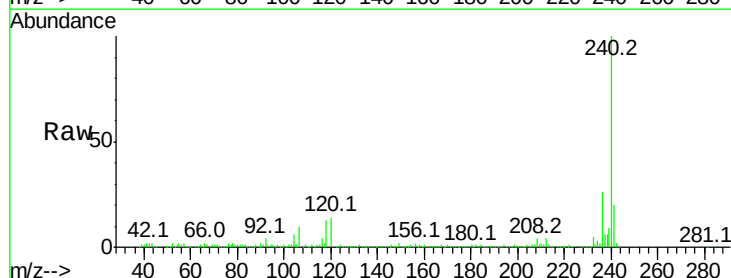


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

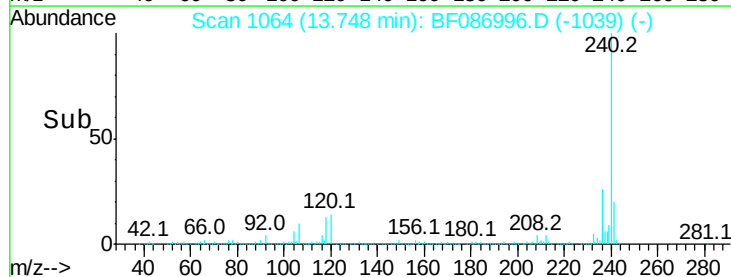
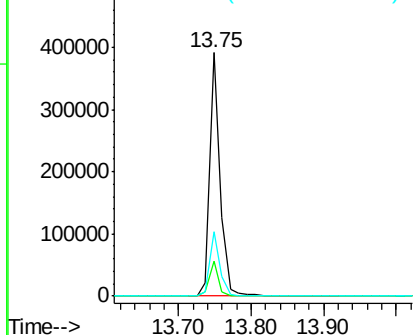


#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.75 min Scan# 1064  
 Delta R.T. -0.01 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

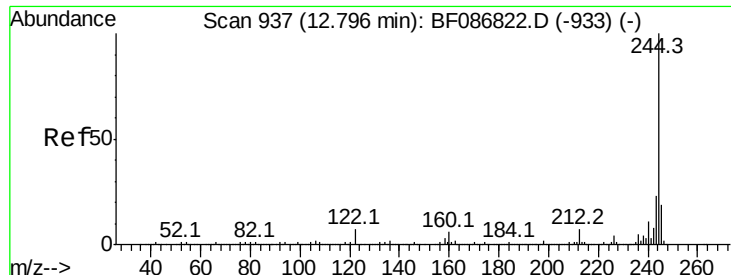
Tgt Ion:240 Resp: 387700  
 Ion Ratio Lower Upper  
 240 100  
 120 14.2 11.2 16.8  
 236 26.2 21.2 31.8



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





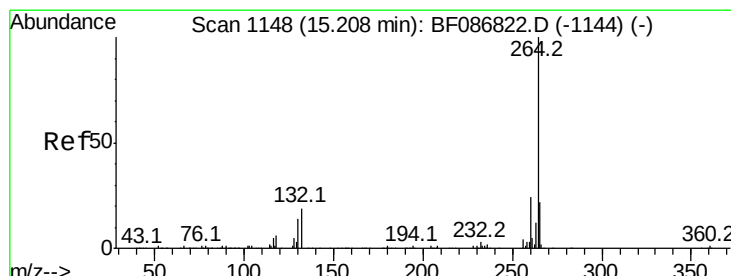
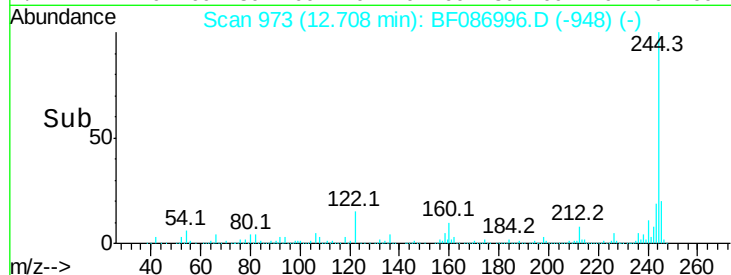
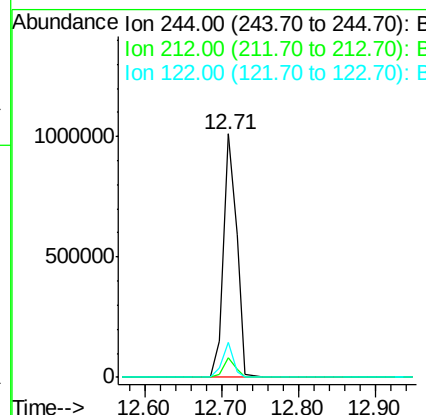
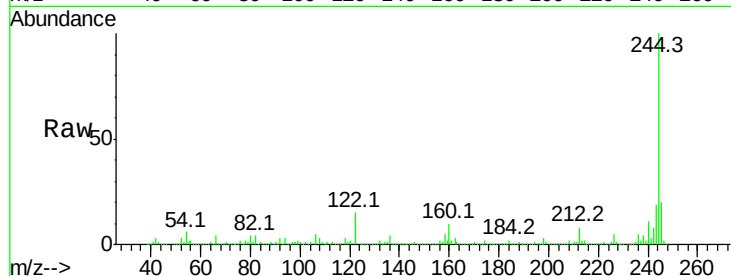


#78  
 Terphenyl-d14  
 Concen: 67.08 ng  
 RT: 12.71 min Scan# 973  
 Delta R.T. -0.01 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AFP-59-GW

Tot Ion:244 Resp: 1225714  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 6.2   | 9.2   |
| 122 | 14.6  | 12.0  | 18.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.11 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF086996.D  
 Acq: 14 May 2016 3:40

Tgt Ion:264 Resp: 298900  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.5  | 29.3  |
| 265 | 21.5  | 17.3  | 25.9  |

