

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
 Data File : BF084922.D  
 Acq On : 6 Feb 2016 20:03  
 Operator : SJ/IZ  
 Sample : H1320-14DL 5X  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B015(1-3)DL

Quant Time: Feb 08 03:16:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

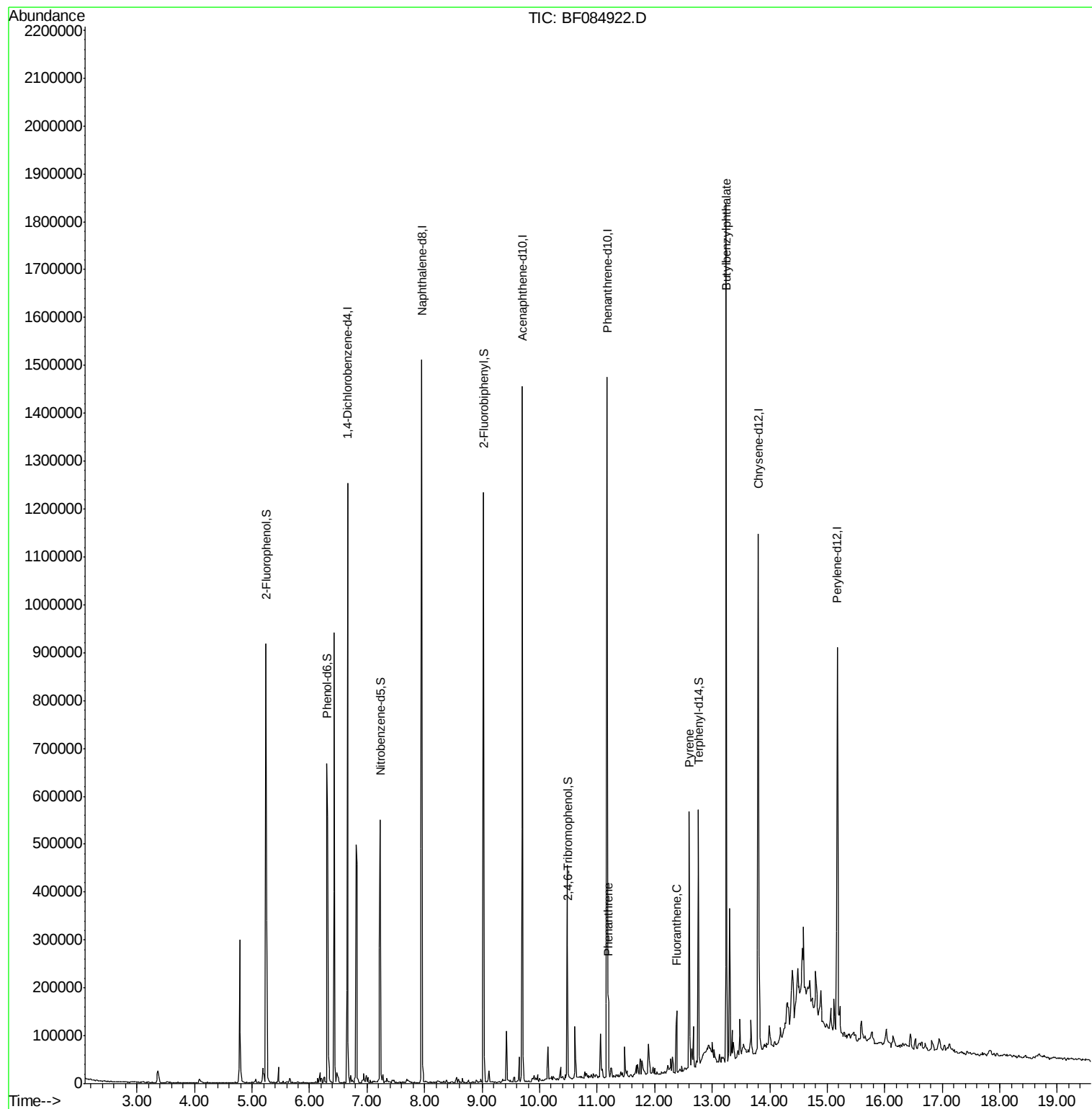
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 170457   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.95  | 136  | 704068   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.70  | 164  | 299877   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.17 | 188  | 487726   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 13.80 | 240  | 336615   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.17 | 264  | 332329   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 269358   | 24.61 | ng    | -0.03    |
| 7) Phenol-d6                | 6.30  | 99   | 322716   | 23.79 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 198284   | 15.86 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 61600    | 19.69 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 346812   | 14.46 | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.76 | 244  | 217671   | 14.65 | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 70) Phenanthrene            | 11.20 | 178  | 55654    | 2.06  | ng    | 98       |
| 74) Fluoranthene            | 12.38 | 202  | 70580    | 2.58  | ng    | 94       |
| 77) Pyrene                  | 12.60 | 202  | 67416    | 2.62  | ng    | 98       |
| 79) Butylbenzylphthalate    | 13.24 | 149  | 376843   | 32.23 | ng    | 96       |

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

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QLast Update : Wed Feb 03 14:16:01 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084922.D

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Instrument :

BNA\_F

ClientSampleId :

S4-B015(1-3)DL

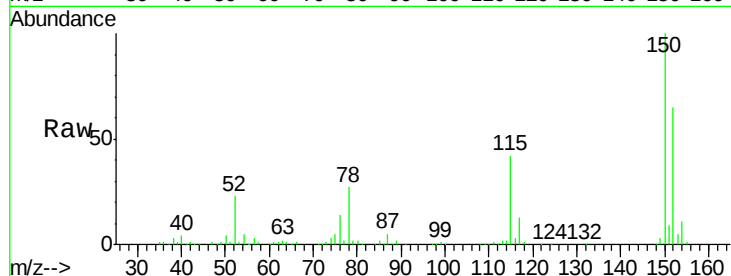
Tot Ion:152 Resp: 170457

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

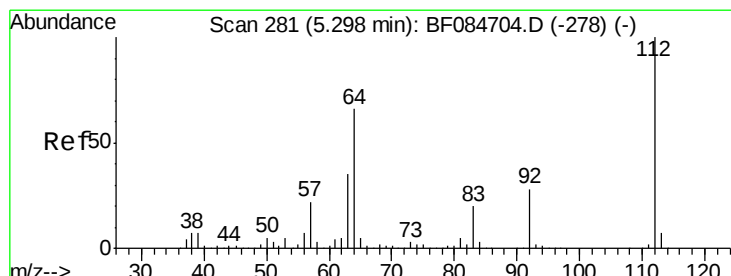
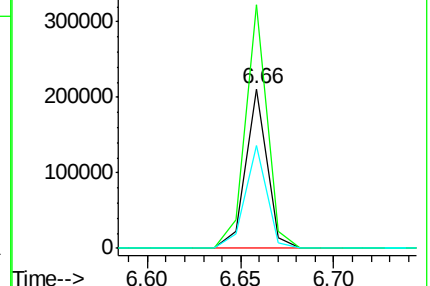
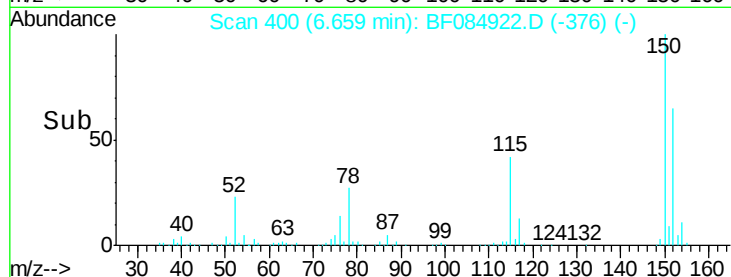
115 64.8 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 24.61 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

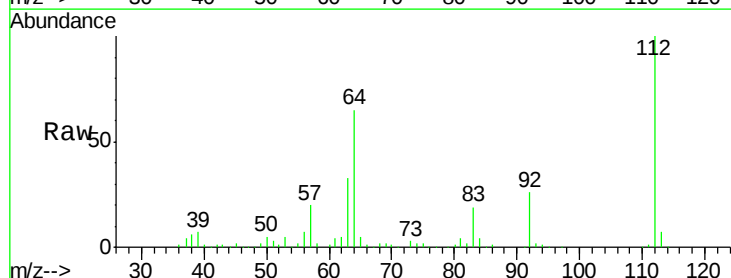
Tgt Ion:112 Resp: 269358

Ion Ratio Lower Upper

112 100

64 65.1 36.6 55.0#

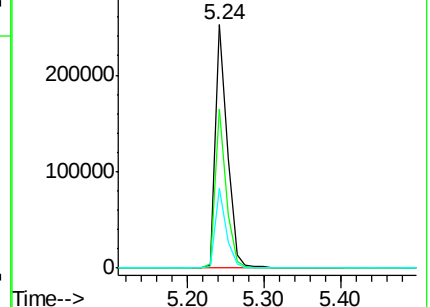
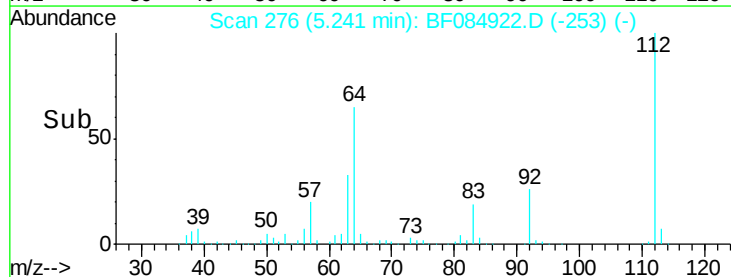
63 32.8 19.4 29.0#

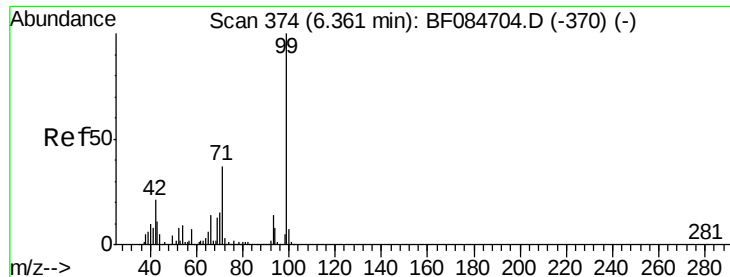


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.79 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

Instrument :

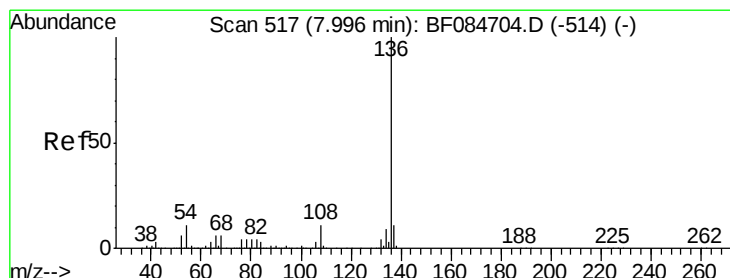
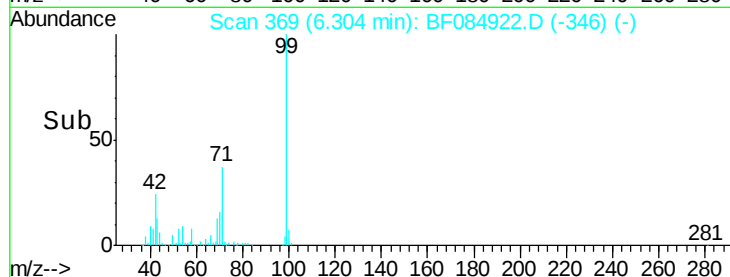
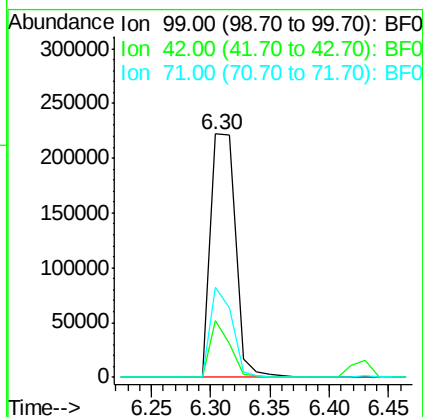
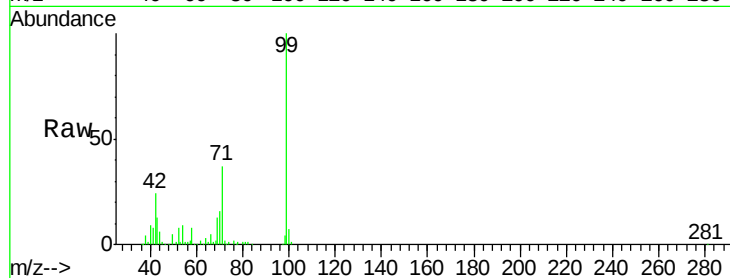
BNA\_F

ClientSampleId :

S4-B015(1-3)DL

Tot Ion: 99 Resp: 322716

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.5  | 12.8  | 19.2# |
| 71  | 37.2  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

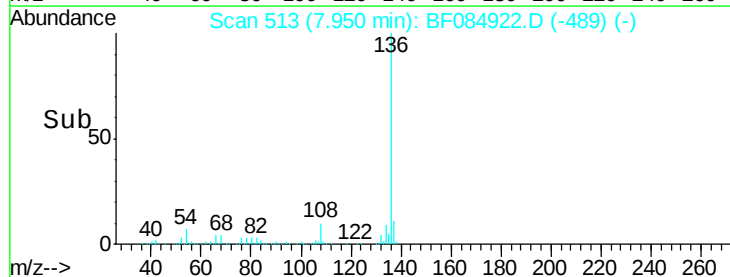
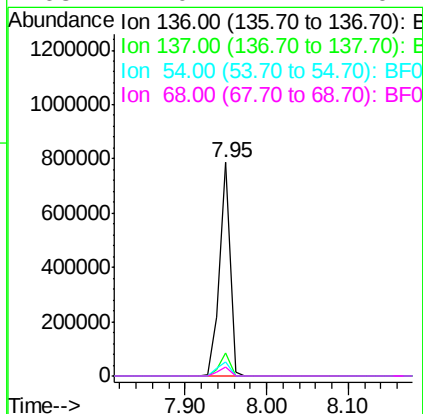
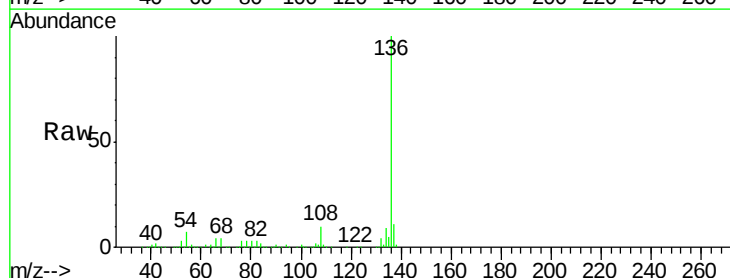
Delta R.T. -0.02 min

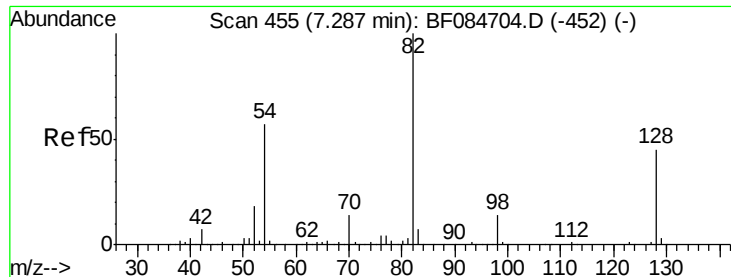
Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

Tgt Ion: 136 Resp: 704068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.7   | 13.1  |
| 54  | 6.7   | 5.8   | 8.8   |
| 68  | 4.0   | 4.2   | 6.2#  |

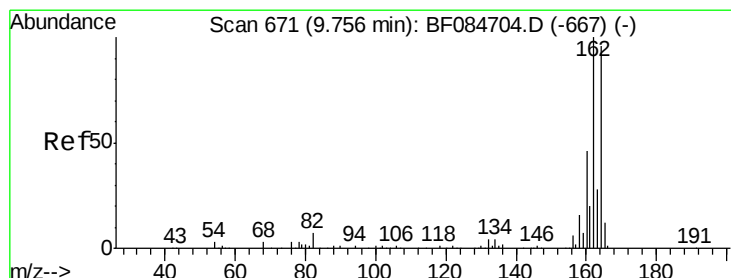
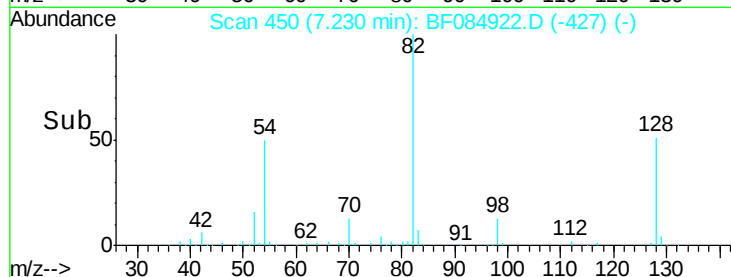
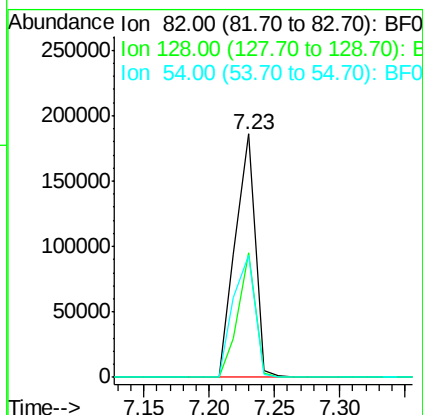
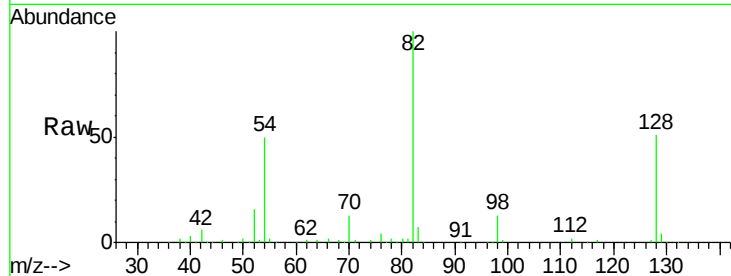




#23  
Nitrobenzene-d5  
Concen: 15.86 ng  
RT: 7.23 min Scan# 450  
Delta R.T. -0.03 min  
Lab File: BF084922.D  
Acq: 6 Feb 2016 20:03

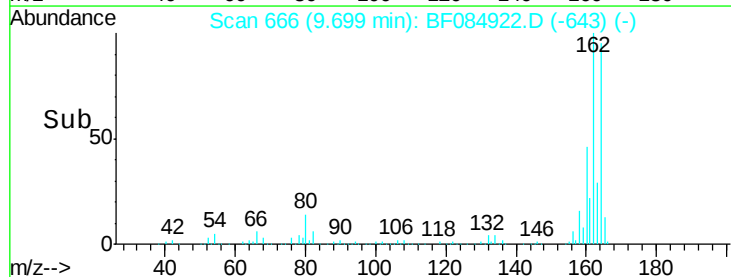
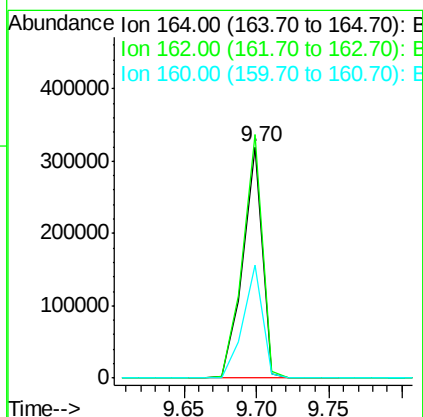
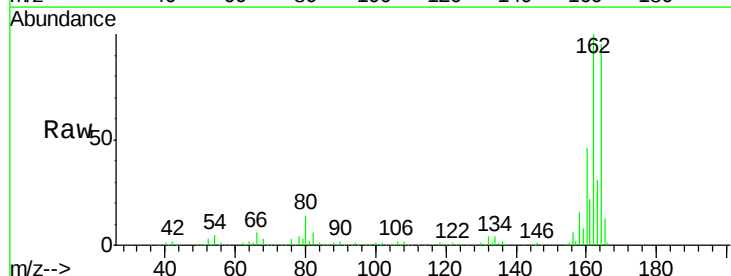
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B015(1-3)DL

Tot Ion: 82 Resp: 198284  
Ion Ratio Lower Upper  
82 100  
128 51.1 34.6 51.8  
54 50.2 38.4 57.6



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.03 min  
Lab File: BF084922.D  
Acq: 6 Feb 2016 20:03

Tgt Ion:164 Resp: 299877  
Ion Ratio Lower Upper  
164 100  
162 105.2 85.1 127.7  
160 48.8 37.5 56.3

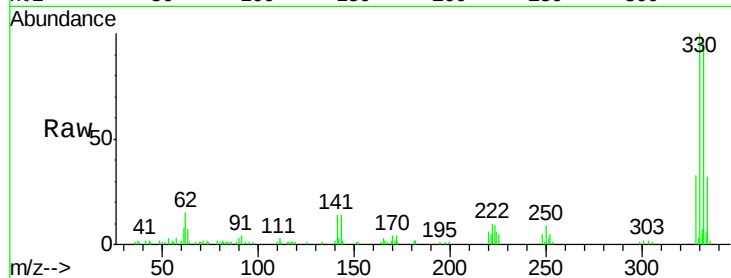




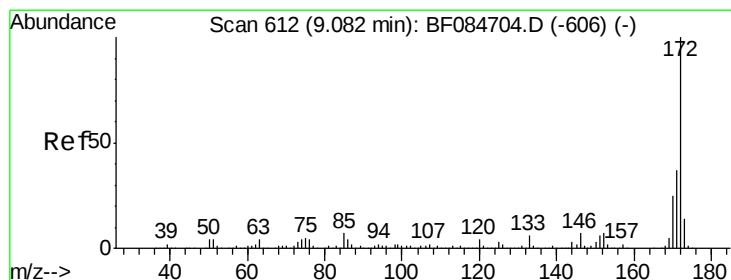
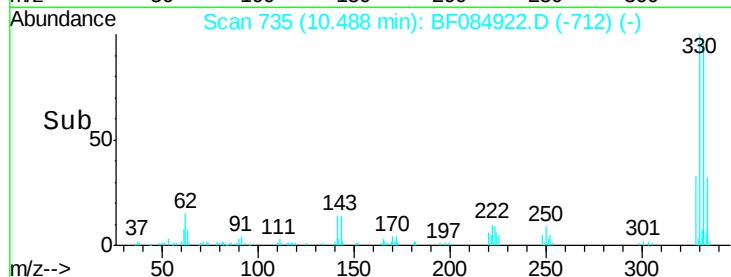
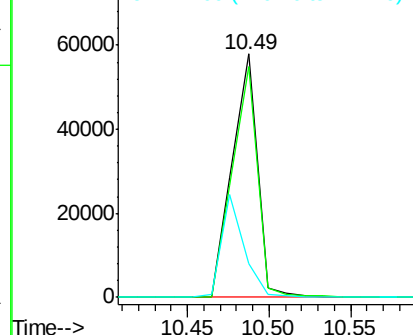
#41  
 2,4,6-Tribromophenol  
 Concen: 19.69 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084922.D  
 Acq: 6 Feb 2016 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B015(1-3)DL

Tot Ion:330 Resp: 61600  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 76.6 114.8  
 141 37.8 27.8 41.6

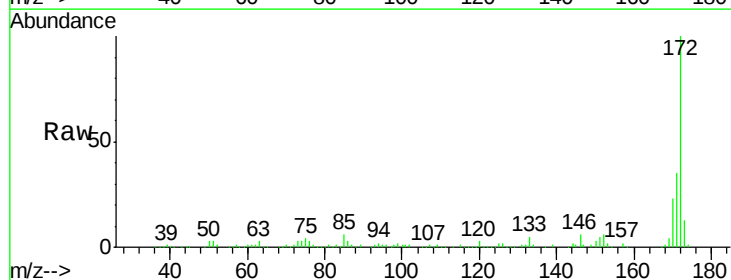


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

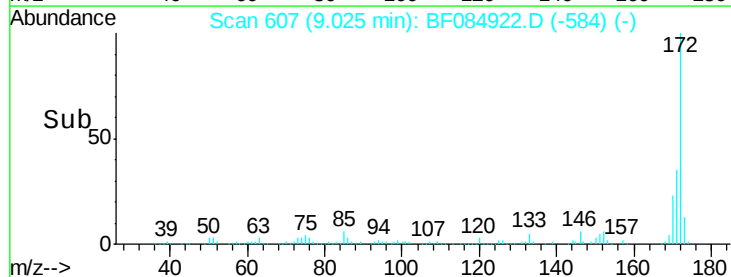
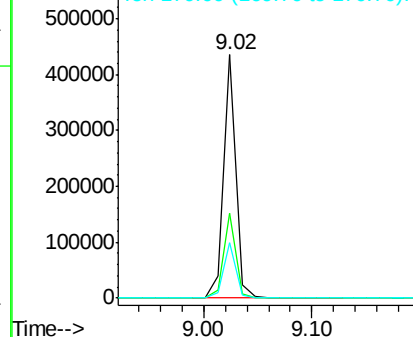


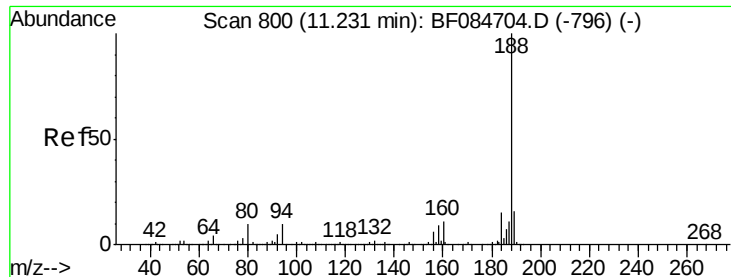
#44  
 2-Fluorobiphenyl  
 Concen: 14.46 ng  
 RT: 9.02 min Scan# 607  
 Delta R.T. -0.03 min  
 Lab File: BF084922.D  
 Acq: 6 Feb 2016 20:03

Tgt Ion:172 Resp: 346812  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.9 43.3  
 170 22.6 18.6 27.8



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

Instrument :

BNA\_F

ClientSampleId :

S4-B015(1-3)DL

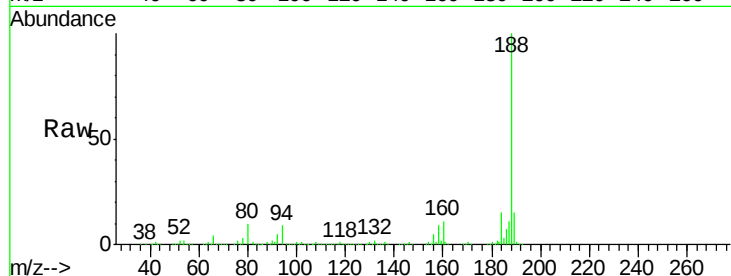
Tot Ion:188 Resp: 487726

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.4

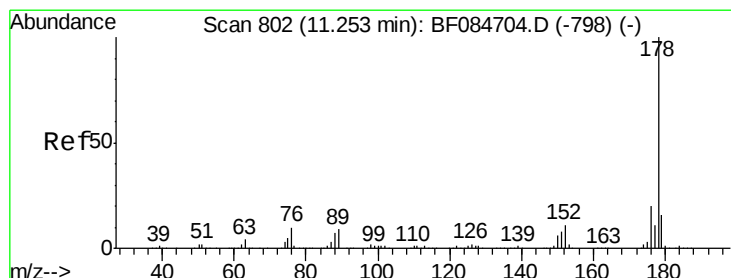
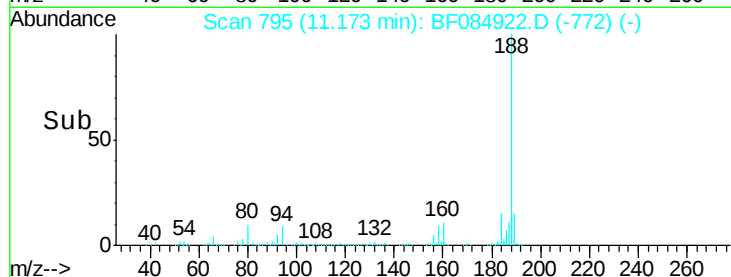
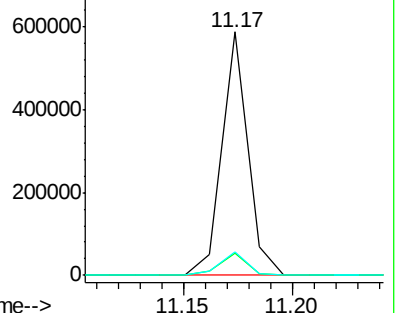
80 9.6 9.6 14.4



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: 2.06 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

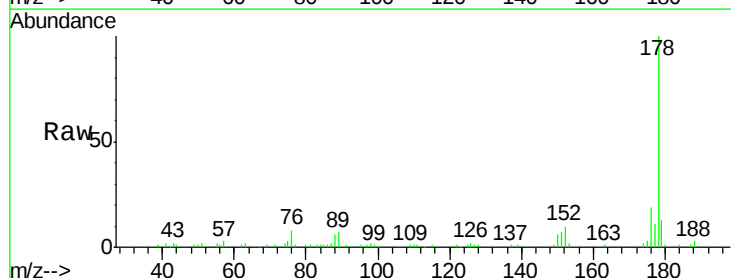
Tgt Ion:178 Resp: 55654

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

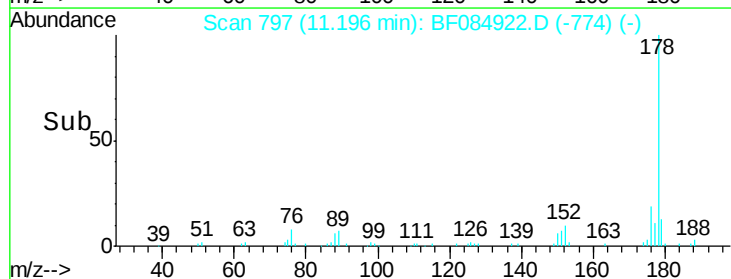
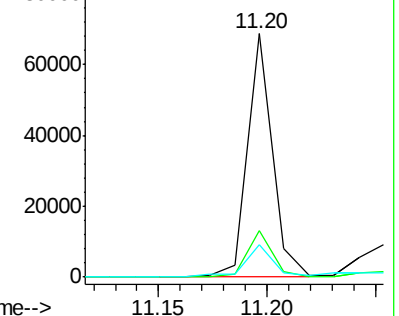
179 13.4 12.0 18.0

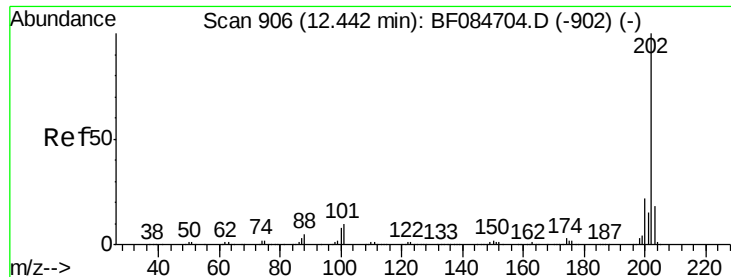


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.58 ng

RT: 12.38 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

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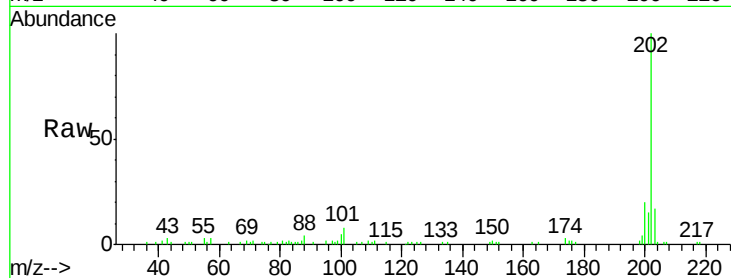
Tot Ion:202 Resp: 70580

Ion Ratio Lower Upper

202 100

101 7.9 0.0 32.8

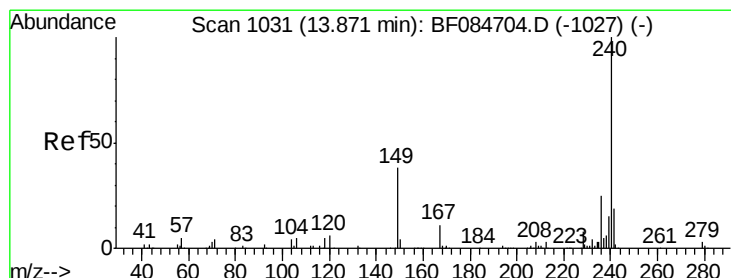
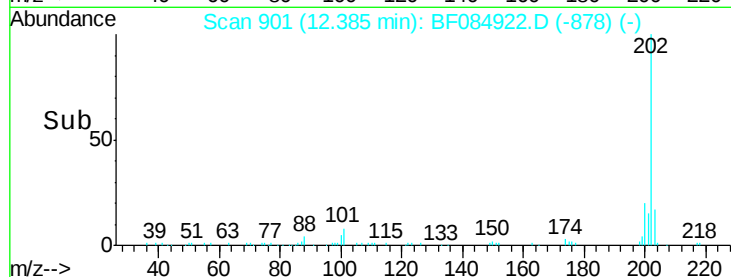
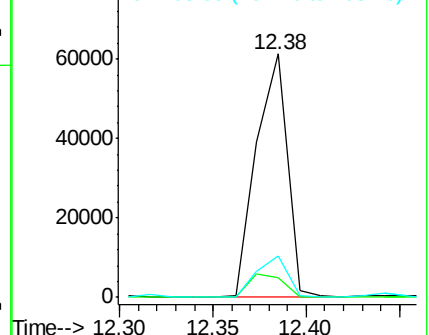
203 17.2 0.0 37.9



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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

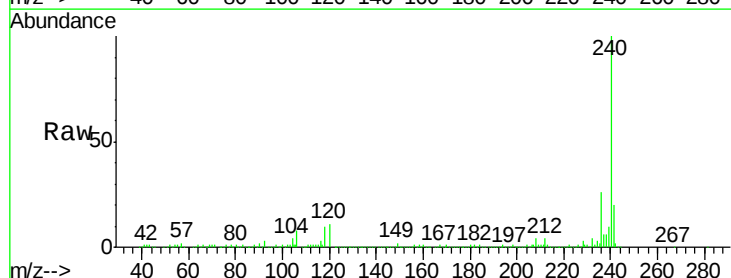
Tgt Ion:240 Resp: 336615

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

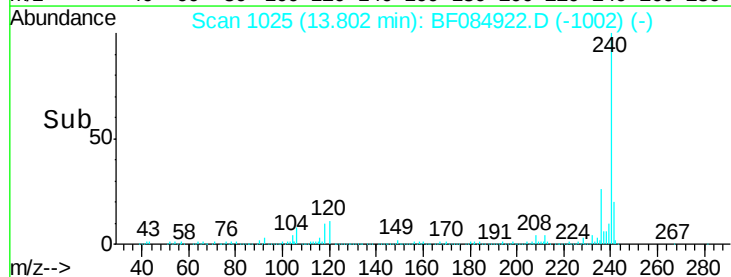
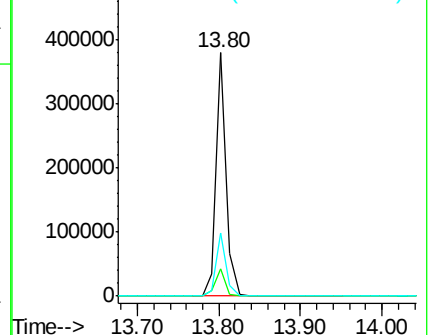
236 25.8 20.6 31.0

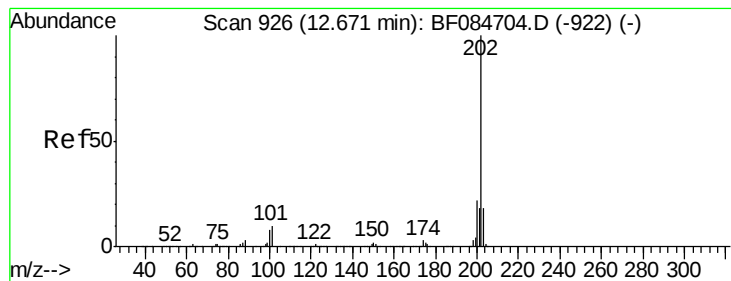


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.62 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084922.D

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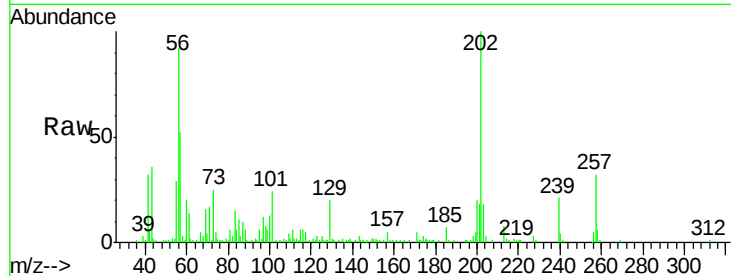
Tot Ion:202 Resp: 67416

Ion Ratio Lower Upper

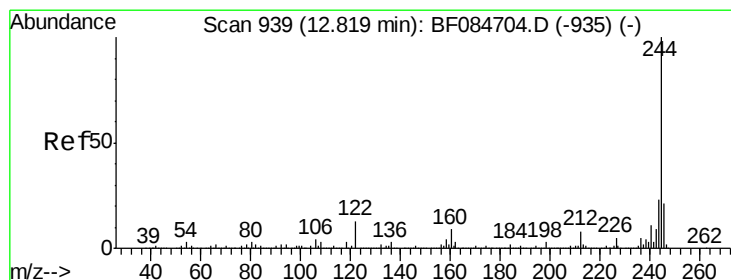
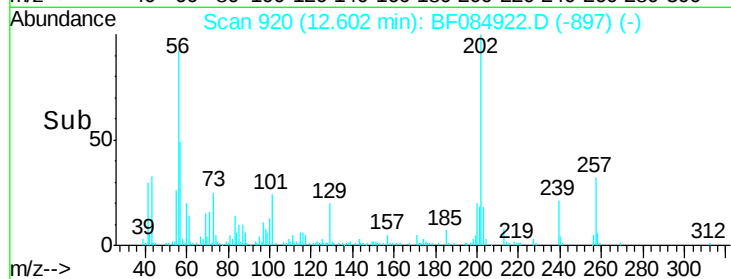
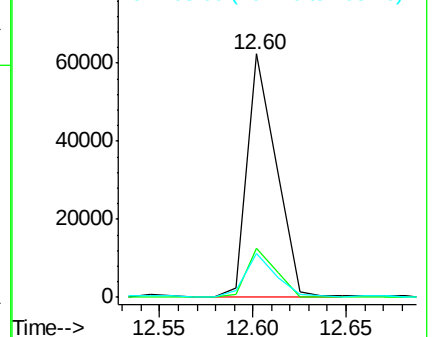
202 100

200 20.4 17.2 25.8

203 18.2 14.3 21.5



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: 14.65 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084922.D

Acq: 6 Feb 2016 20:03

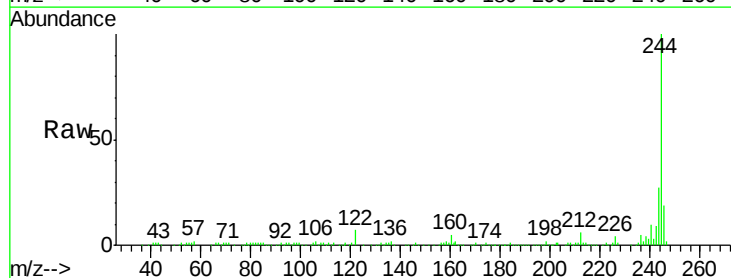
Tgt Ion:244 Resp: 217671

Ion Ratio Lower Upper

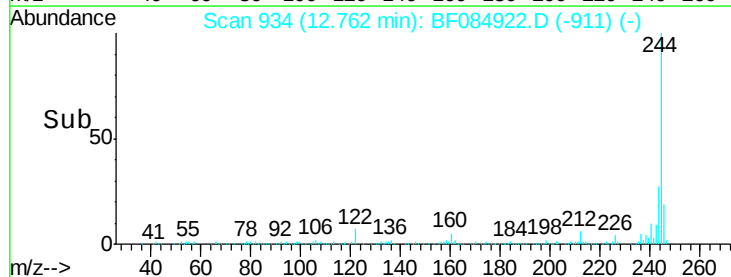
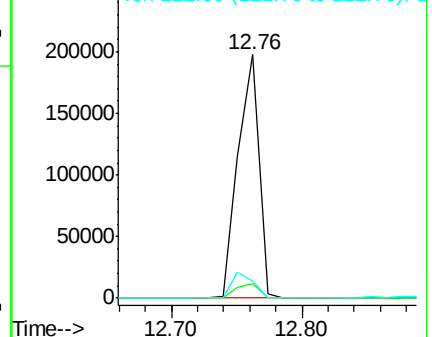
244 100

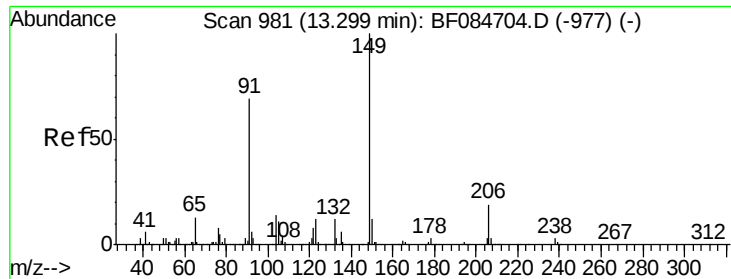
212 6.1 5.7 8.5

122 7.0 7.4 11.0#



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

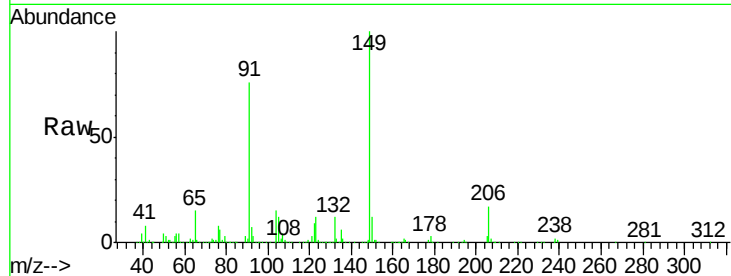




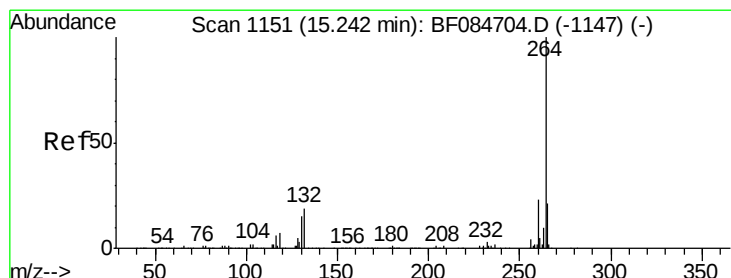
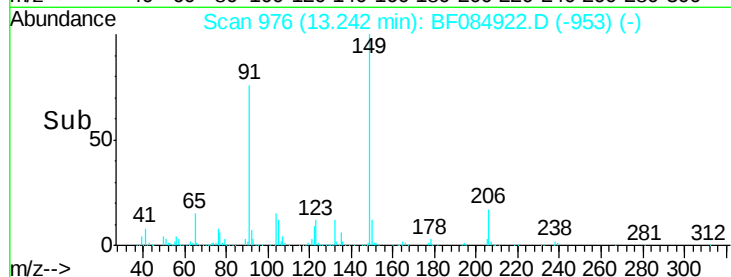
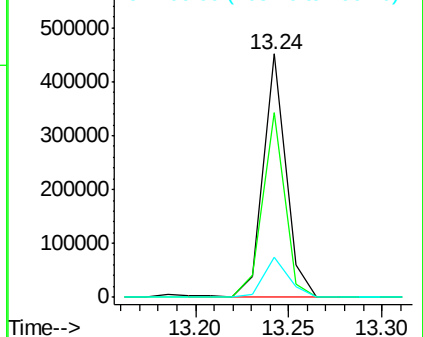
#79  
Butylbenzylphthalate  
Concen: 32.23 ng  
RT: 13.24 min Scan# 976  
Delta R.T. -0.03 min  
Lab File: BF084922.D  
Acq: 6 Feb 2016 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B015(1-3)DL

Tot Ion:149 Resp: 376843  
Ion Ratio Lower Upper  
149 100  
91 76.1 57.6 86.4  
206 16.5 13.2 19.8

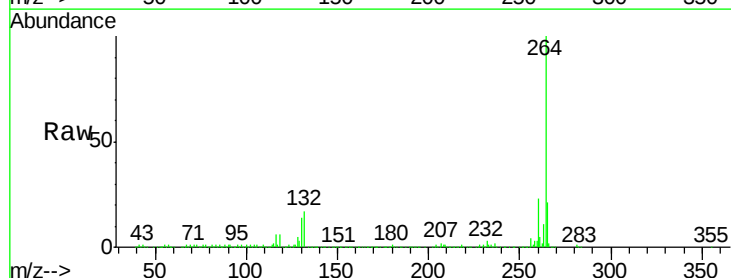


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.17 min Scan# 1145  
Delta R.T. -0.03 min  
Lab File: BF084922.D  
Acq: 6 Feb 2016 20:03

Tgt Ion:264 Resp: 332329  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.4 29.2  
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

