

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
 Data File : BF078471.D  
 Acq On : 13 Apr 2015 20:30  
 Operator : TP/IZ  
 Sample : G1787-17  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD07B

Quant Time: Apr 14 01:24:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 14 01:02:55 2015  
 Response via : Initial Calibration

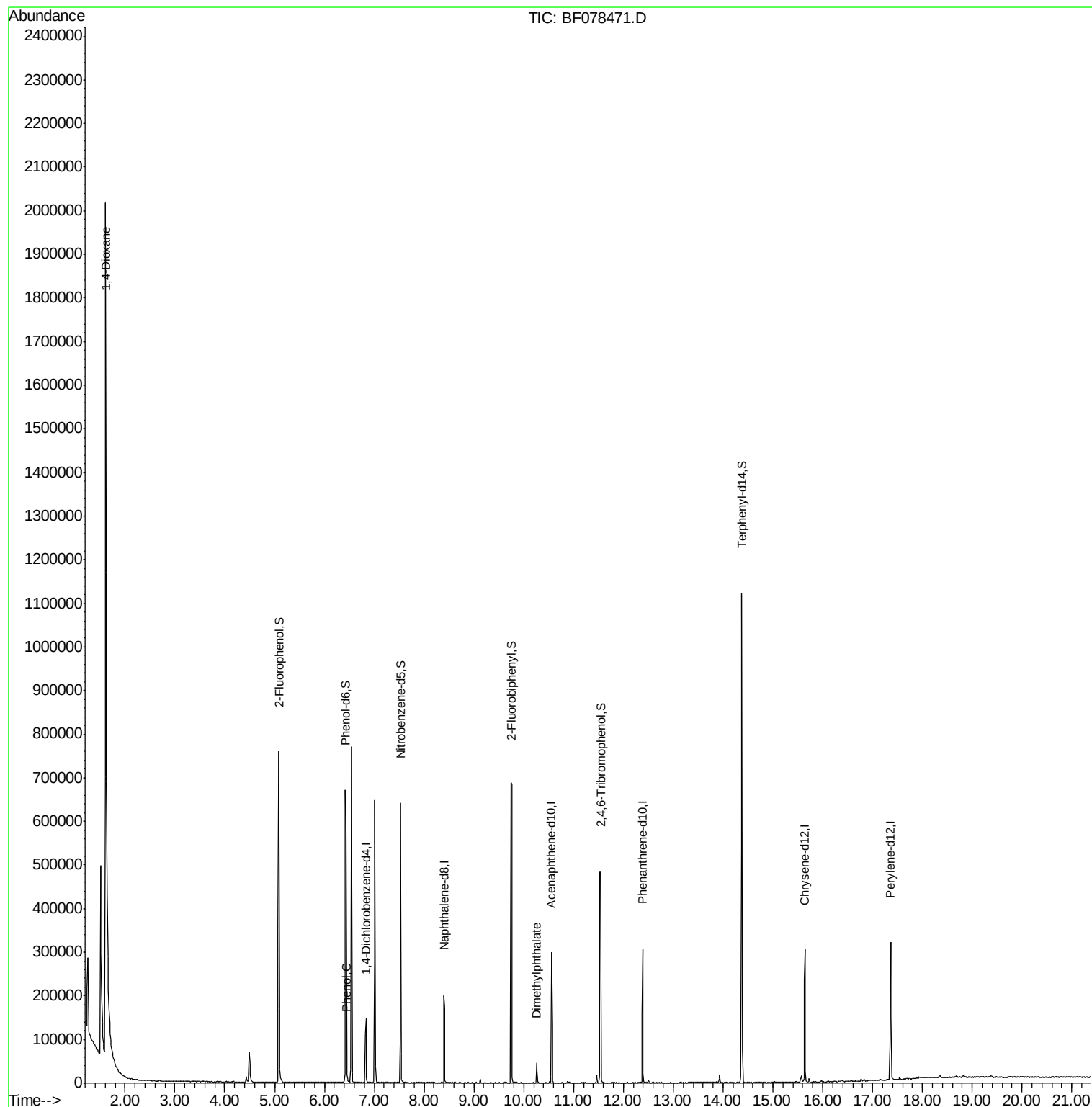
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 32908    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.40  | 136  | 136030   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.56 | 164  | 68288    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.39 | 188  | 140639   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.65 | 240  | 153968   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 17.36 | 264  | 149033   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 279577   | 140.08 | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 349730   | 139.82 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 202654   | 90.30  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.54 | 330  | 87367    | 154.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.76  | 172  | 344059   | 72.02  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.38 | 244  | 438983   | 64.43  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane              | 1.61  | 88   | 87629    | 97.09  | ng    | # 23     |
| 10) Phenol                  | 6.44  | 94   | 8459     | 2.82   | ng    | 92       |
| 49) Dimethylphthalate       | 10.26 | 163  | 25675    | 5.00   | ng    | 100      |

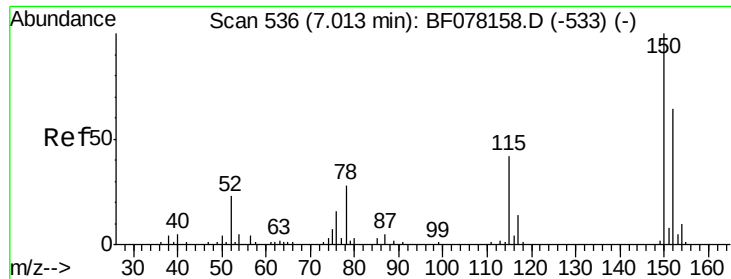
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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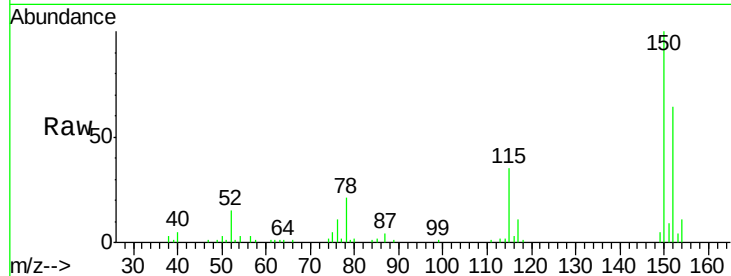




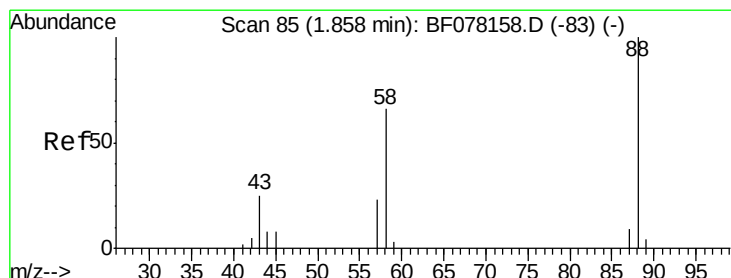
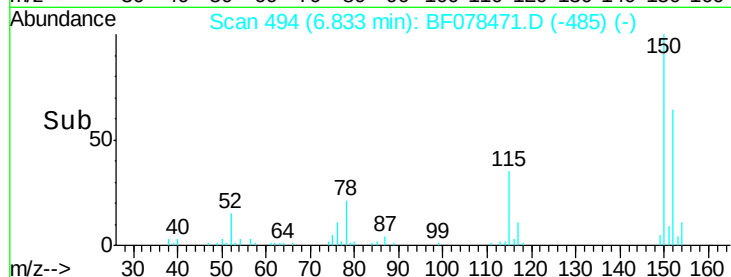
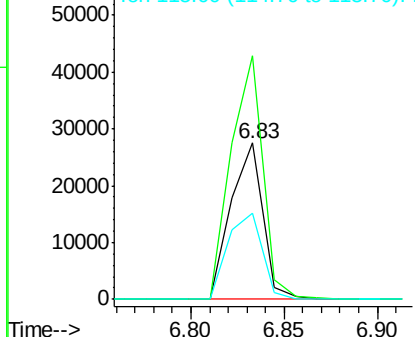
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.83 min Scan# 494  
 Delta R.T. 0.00 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD07B

Tgt Ion:152 Resp: 32908  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 125.9 188.9  
 115 55.2 52.7 79.1

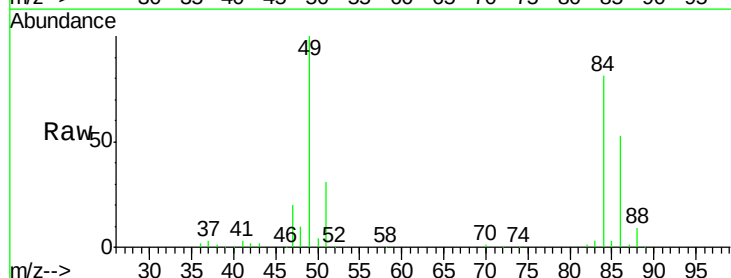


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

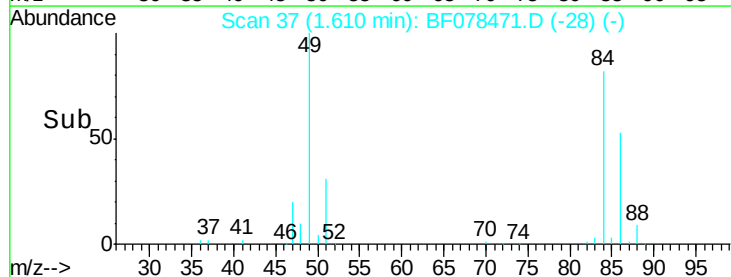
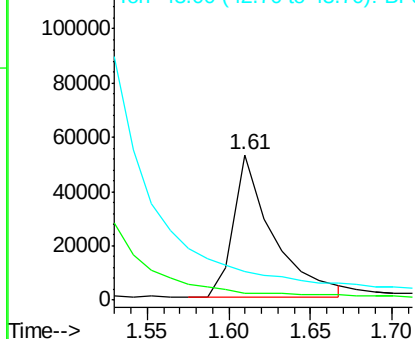


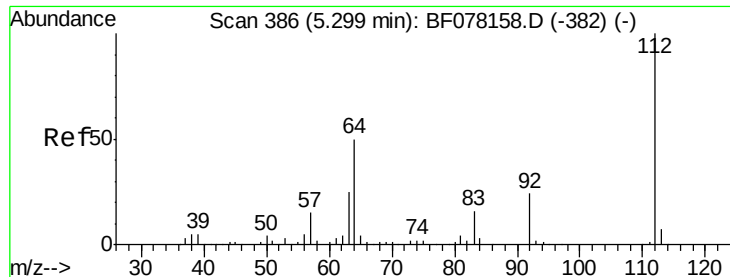
#2  
 1,4-Dioxane  
 Concen: 97.09 ng  
 RT: 1.61 min Scan# 37  
 Delta R.T. 0.00 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Tgt Ion: 88 Resp: 87629  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 56.9 85.3#  
 43 0.0 21.4 32.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0  
 Ion 58.00 (57.70 to 58.70): BF0  
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 140.08 ng

RT: 5.08 min Scan# 341

Delta R.T. 0.00 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

Instrument :

BNA\_F

ClientSampleId :

LS-SD07B

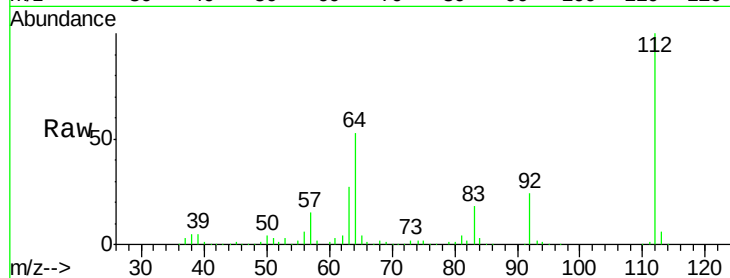
Tgt Ion: 112 Resp: 279577

Ion Ratio Lower Upper

112 100

64 52.7 39.9 59.9

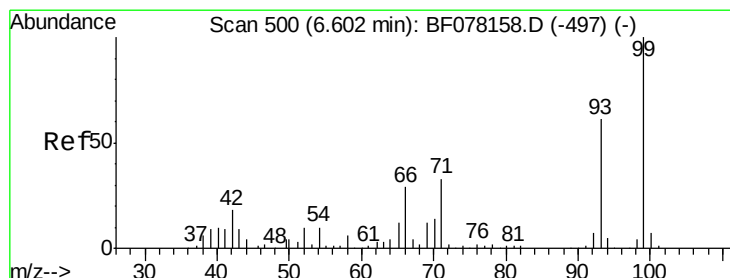
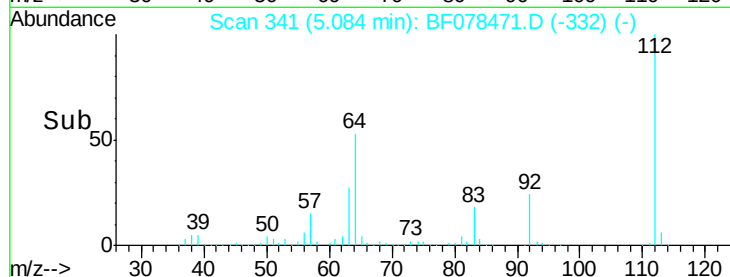
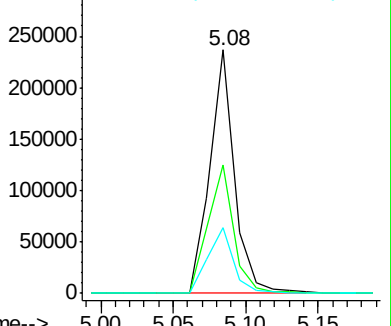
63 27.2 20.2 30.4



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: 139.82 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

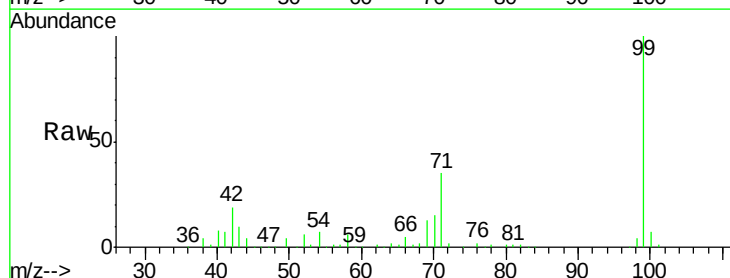
Tgt Ion: 99 Resp: 349730

Ion Ratio Lower Upper

99 100

42 19.3 14.8 22.2

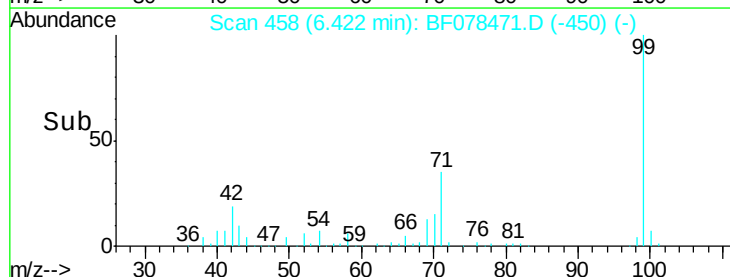
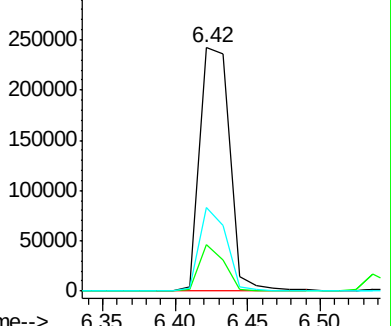
71 34.5 26.6 39.8

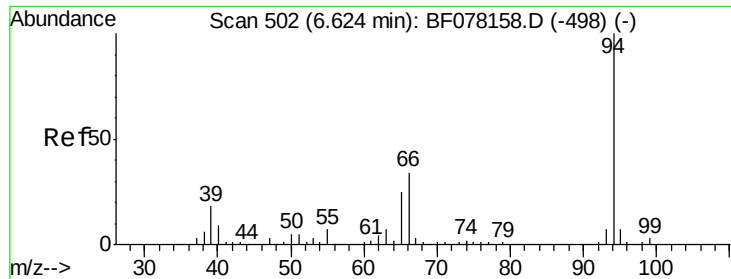


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.82 ng

RT: 6.44 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

Instrument :

BNA\_F

ClientSampleId :

LS-SD07B

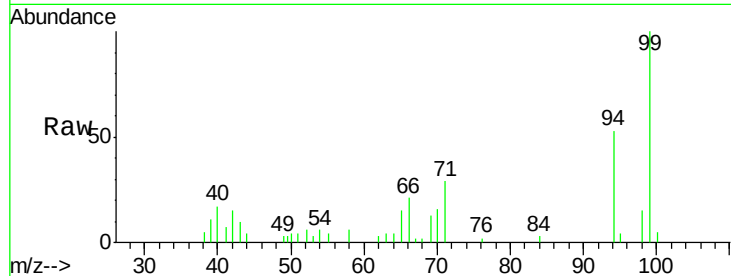
Tgt Ion: 94 Resp: 8459

Ion Ratio Lower Upper

94 100

65 28.0 4.9 44.9

66 38.9 13.8 53.8

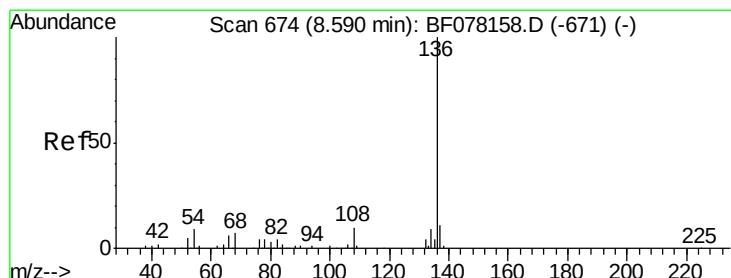
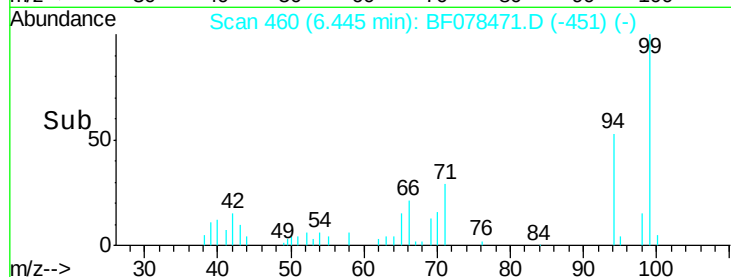
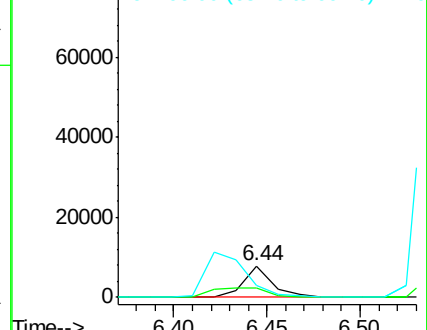


Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.40 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

Tgt Ion: 136 Resp: 136030

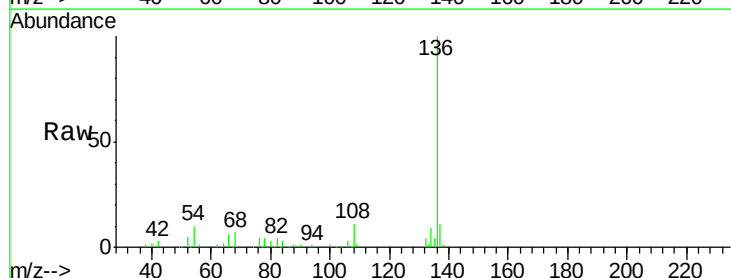
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.9 7.0 10.6

68 7.3 5.4 8.2



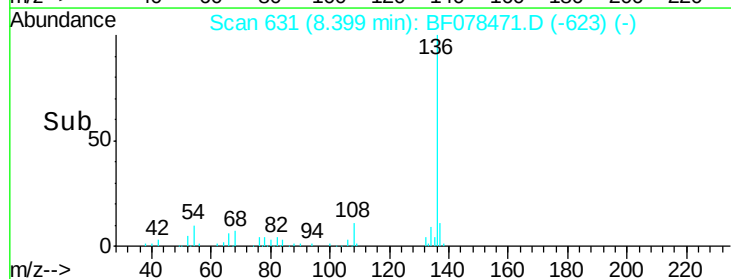
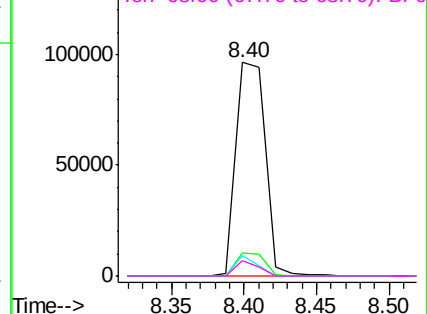
Abundance

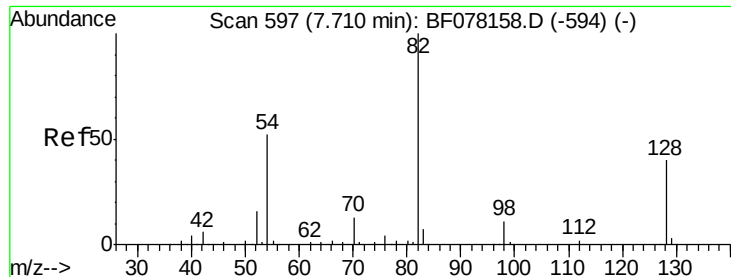
Ion 136.00 (135.70 to 136.70): E

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

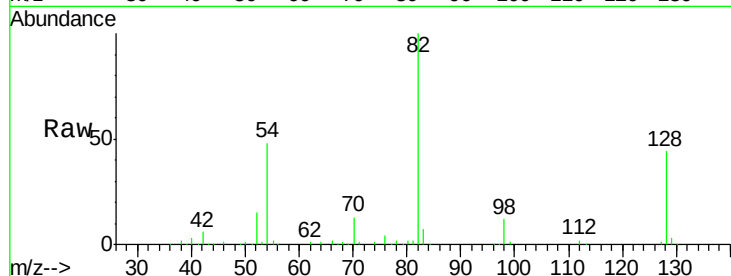




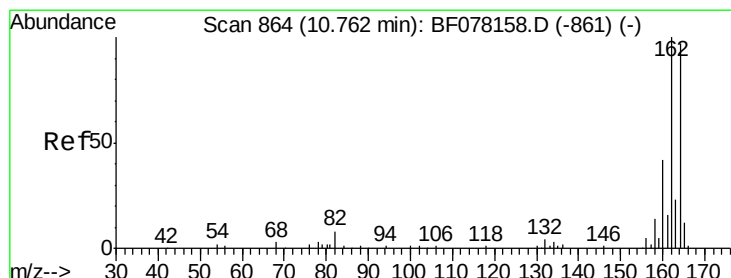
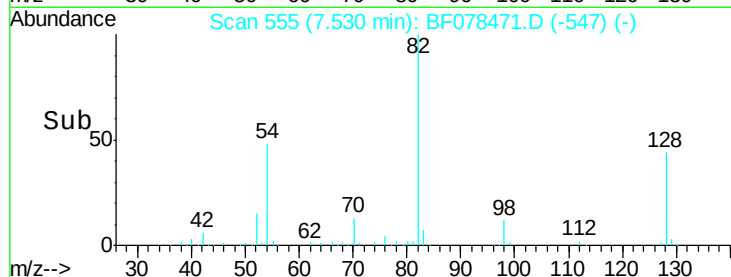
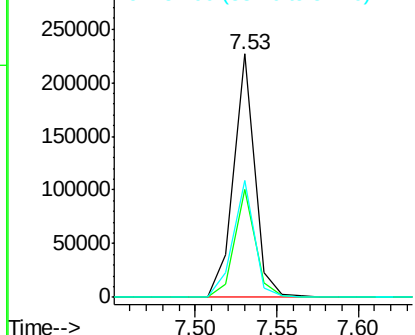
#23  
 Nitrobenzene-d5  
 Concen: 90.30 ng  
 RT: 7.53 min Scan# 555  
 Delta R.T. -0.01 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD07B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.4  | 31.8  | 47.8  |
| 54      | 47.8  | 41.5  | 62.3  |

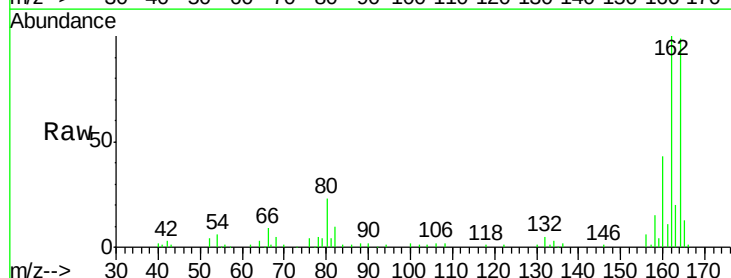


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

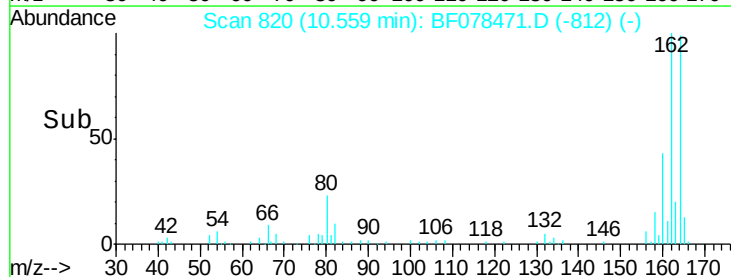
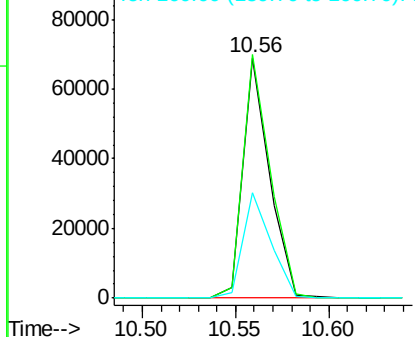


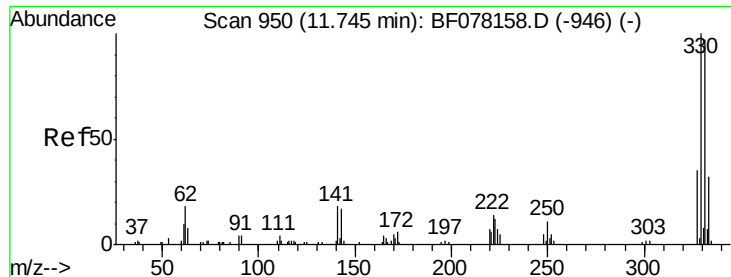
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.56 min Scan# 820  
 Delta R.T. -0.01 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 82.2  | 123.2 |
| 160     | 43.7  | 34.7  | 52.1  |



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

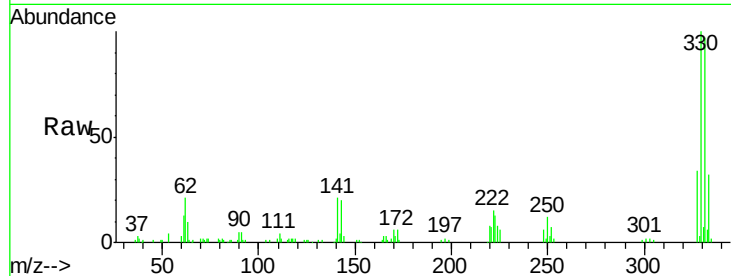




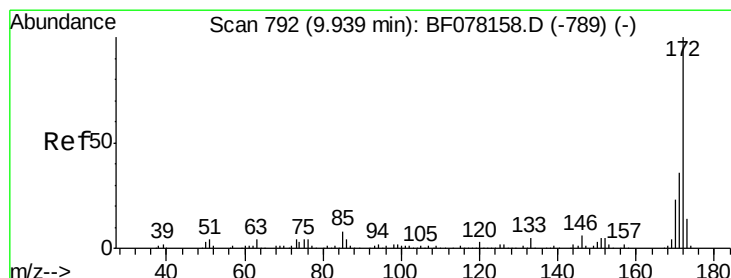
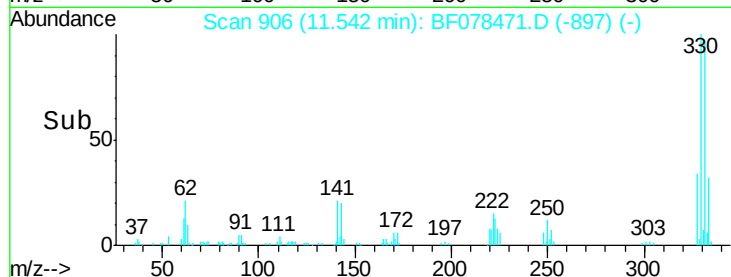
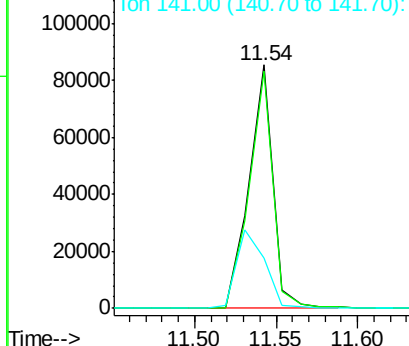
#41  
 2,4,6-Tribromophenol  
 Concen: 154.26 ng  
 RT: 11.54 min Scan# 906  
 Delta R.T. 0.00 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 LS-SD07B

Tgt Ion:330 Resp: 87367  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 78.6 117.8  
 141 37.3 31.2 46.8

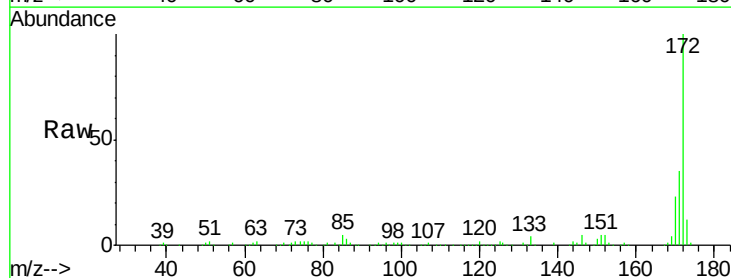


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

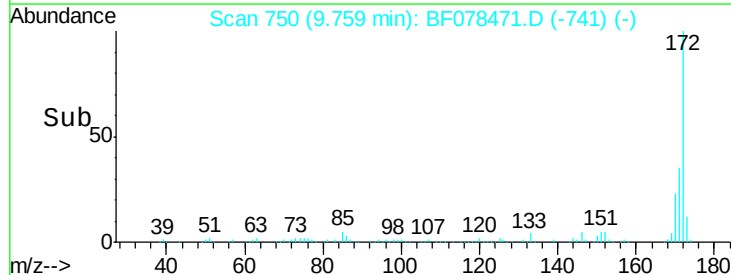
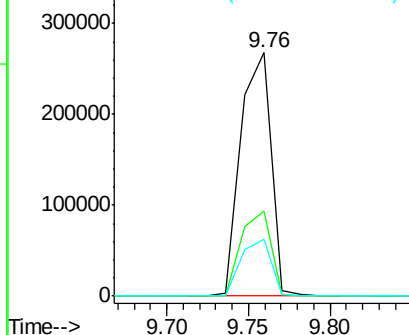


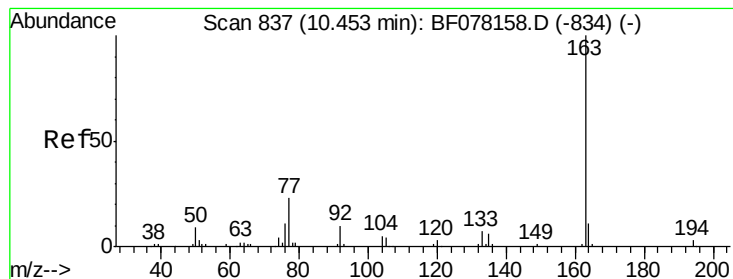
#44  
 2-Fluorobiphenyl  
 Concen: 72.02 ng  
 RT: 9.76 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Tgt Ion:172 Resp: 344059  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.6 42.8  
 170 23.2 18.5 27.7



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: 5.00 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

Instrument :

BNA\_F

ClientSampled :

LS-SD07B

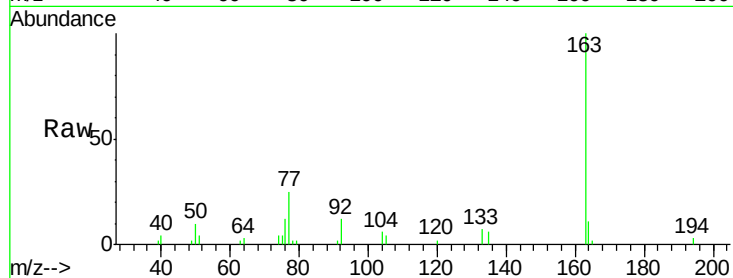
Tgt Ion:163 Resp: 25675

Ion Ratio Lower Upper

163 100

194 3.2 2.3 3.5

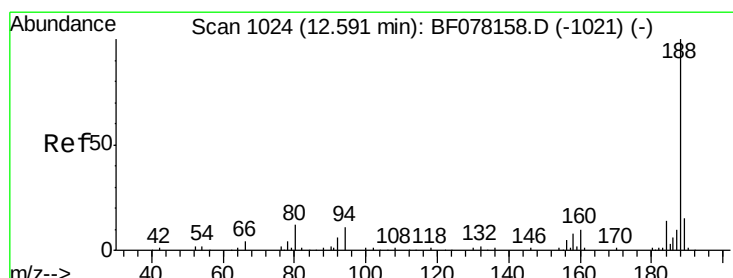
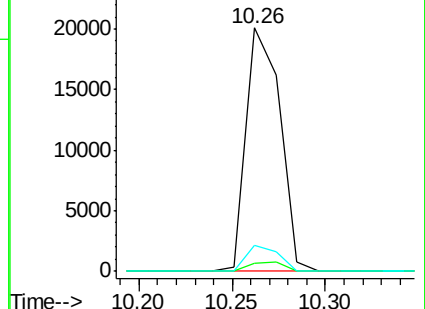
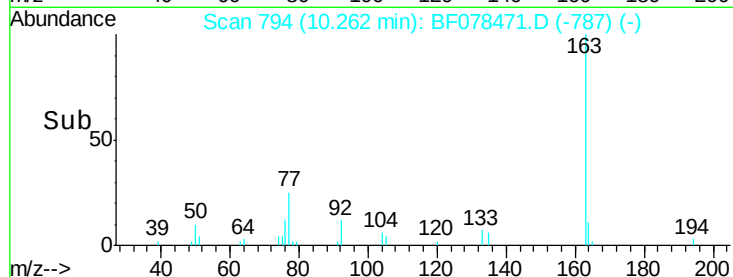
164 10.8 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF078471.D

Acq: 13 Apr 2015 20:30

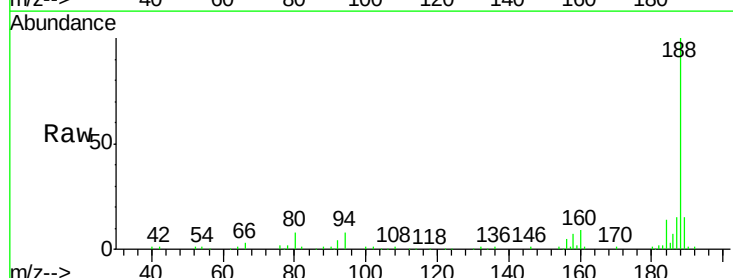
Tgt Ion:188 Resp: 140639

Ion Ratio Lower Upper

188 100

94 7.7 9.0 13.4#

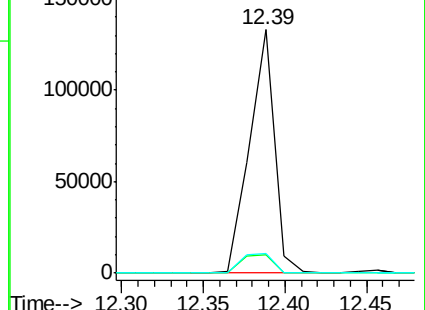
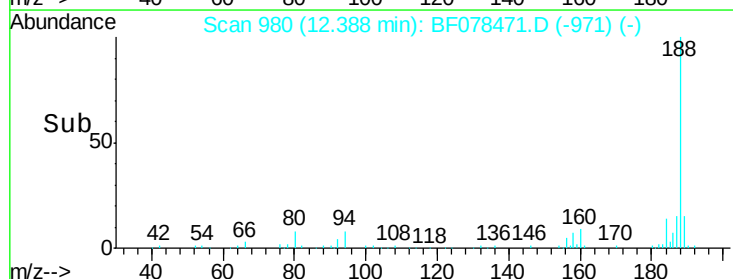
80 8.2 9.5 14.3#



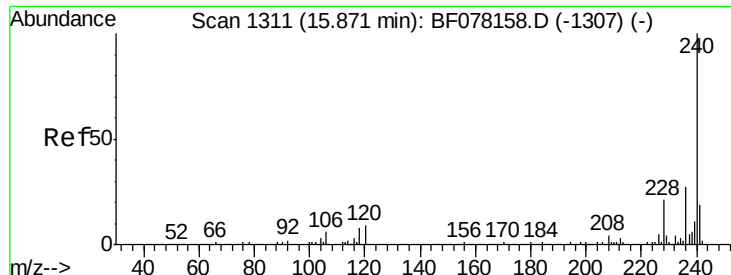
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



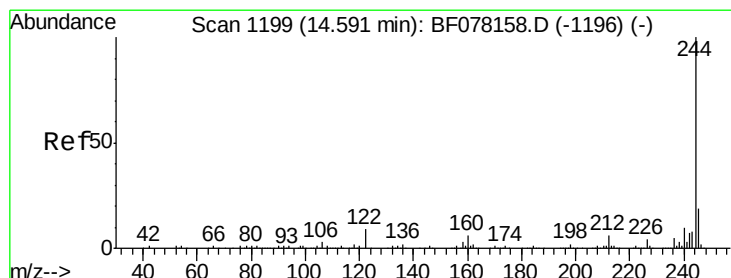
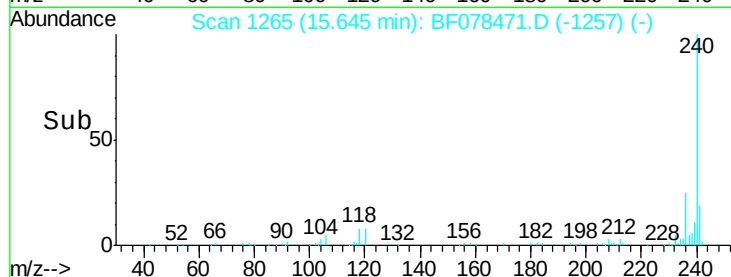
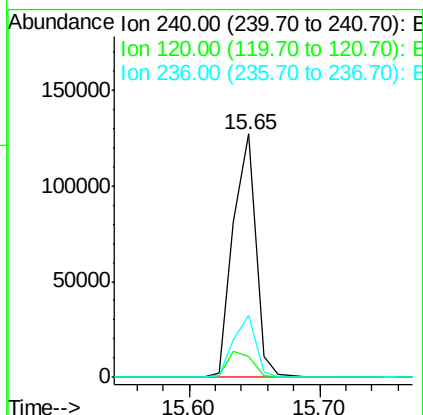
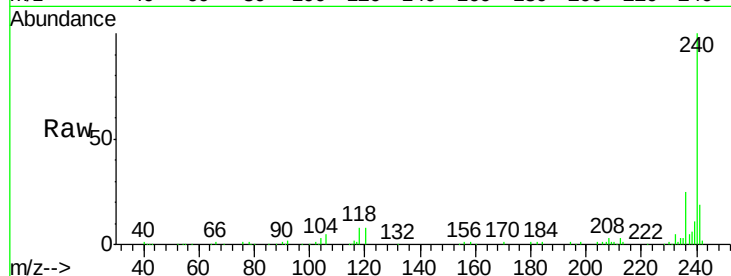




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.65 min Scan# 1265  
 Delta R.T. -0.01 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

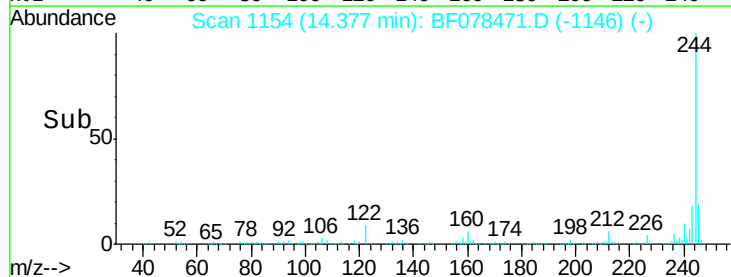
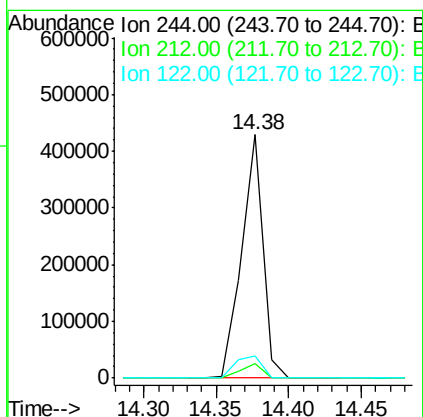
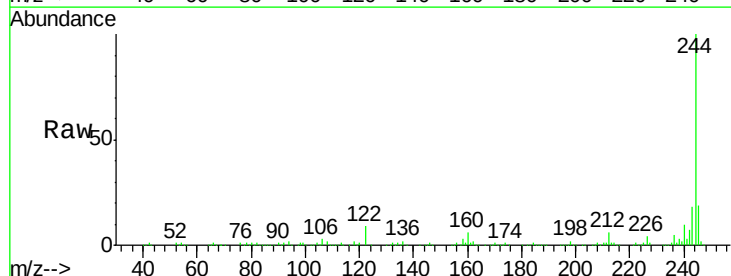
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD07B

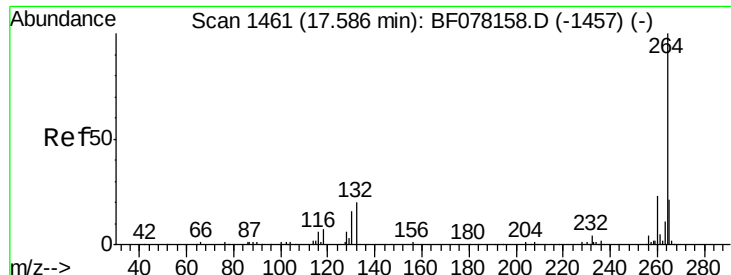
Tgt Ion:240 Resp: 153968  
 Ion Ratio Lower Upper  
 240 100  
 120 8.5 7.1 10.7  
 236 25.3 21.4 32.2



#78  
 Terphenyl-d14  
 Concen: 64.43 ng  
 RT: 14.38 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BF078471.D  
 Acq: 13 Apr 2015 20:30

Tgt Ion:244 Resp: 438983  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.0 7.4  
 122 9.0 7.1 10.7

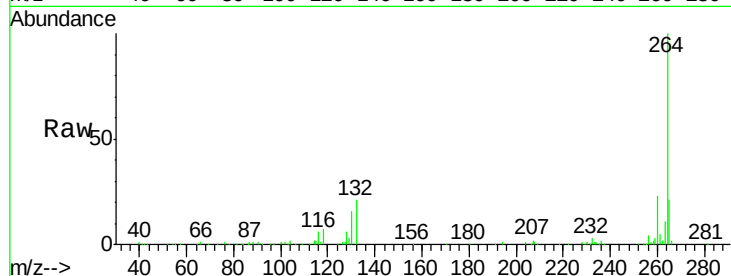




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.36 min Scan# 1415  
Delta R.T. -0.03 min  
Lab File: BF078471.D  
Acq: 13 Apr 2015 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD07B

Tgt Ion: 264 Resp: 149033  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 27.8  
265 21.5 17.0 25.6



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

