

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032415\  
 Data File : BF077942.D  
 Acq On : 25 Mar 2015 7:54  
 Operator : TP/IZ  
 Sample : G1615-10  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-2

Quant Time: Mar 25 08:08:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 19 02:09:19 2015  
 Response via : Initial Calibration

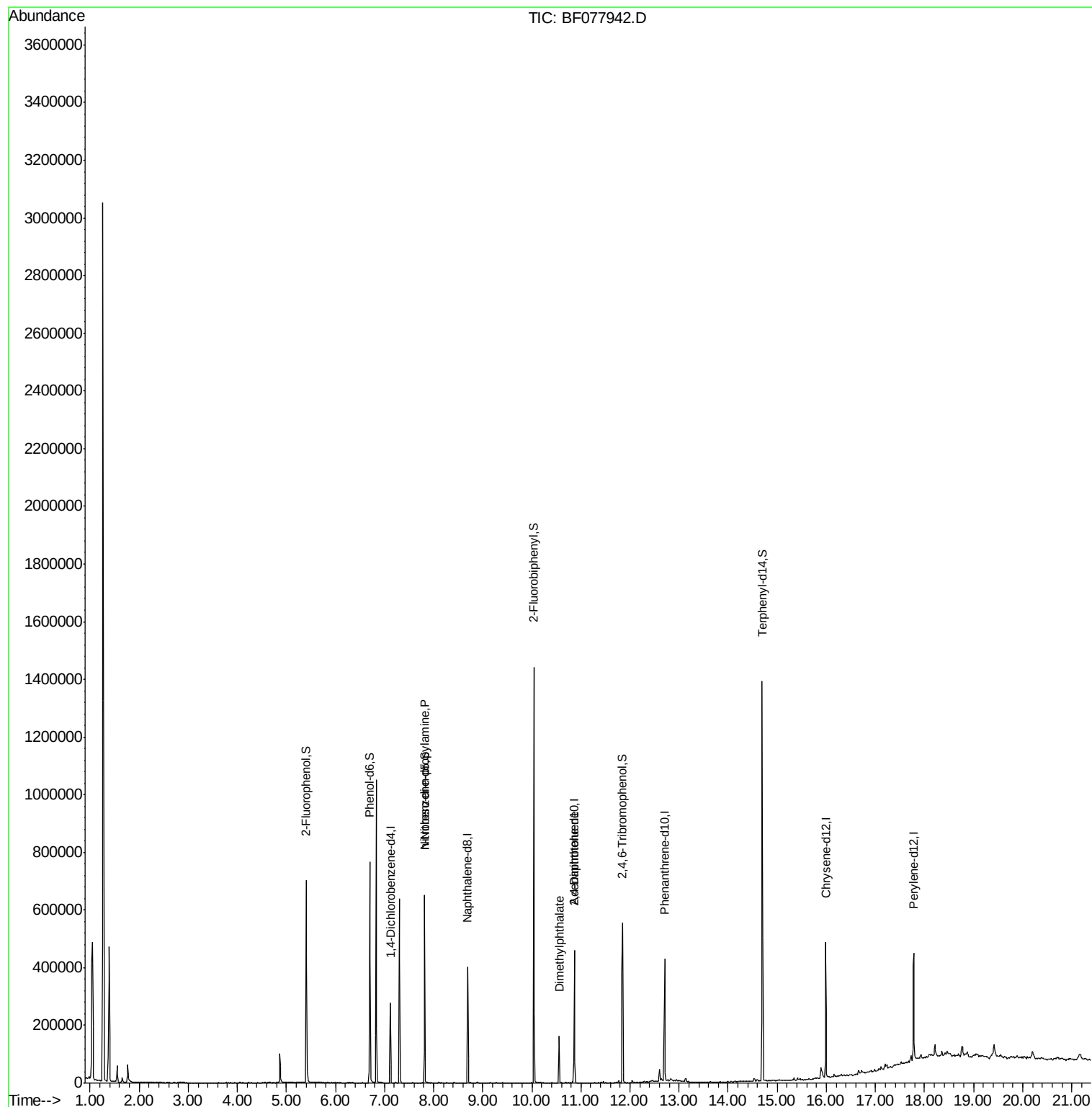
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.12  | 152  | 43818    | 20.00     | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.69  | 136  | 183538   | 20.00     | ng    | -0.05    |
| 38) Acenaphthene-d10           | 10.87 | 164  | 93635    | 20.00     | ng    | -0.05    |
| 63) Phenanthrene-d10           | 12.71 | 188  | 185678   | 20.00     | ng    | -0.05    |
| 75) Chrysene-d12               | 15.99 | 240  | 201975   | 20.00     | ng    | -0.15    |
| 86) Perylene-d12               | 17.78 | 264  | 201052   | 20.00     | ng    | -0.32    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 266884   | 106.32    | ng    | -0.03    |
| 7) Phenol-d6                   | 6.69  | 99   | 333674   | 107.58    | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.81  | 82   | 202202   | 72.22     | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 11.85 | 330  | 82514    | 92.10     | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 10.04 | 172  | 447022   | 70.16     | ng    | -0.05    |
| 78) Terphenyl-d14              | 14.69 | 244  | 512728   | 62.01     | ng    | -0.07    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.81  | 70   | 26224    | 12.22     | ng    | # 80     |
| 49) Dimethylphthalate          | 10.56 | 163  | 99420    | 14.32     | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.87 | 165  | 11480    | 6.12      | ng    | # 11     |
| 76) Benzidine                  | 14.40 | 184  | 1542     | Below Cal |       | # 68     |

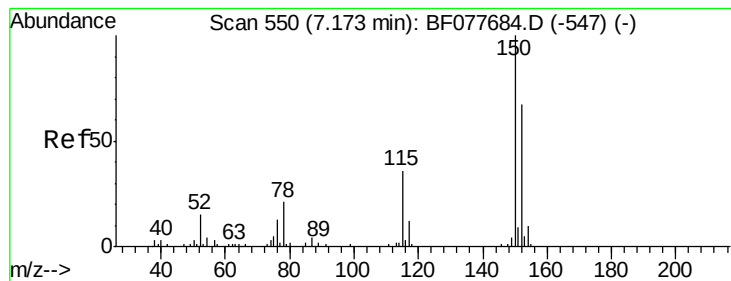
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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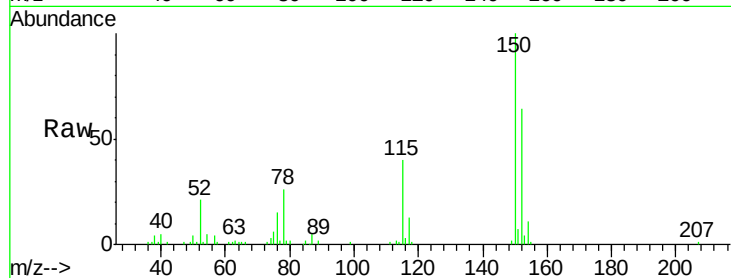


#1

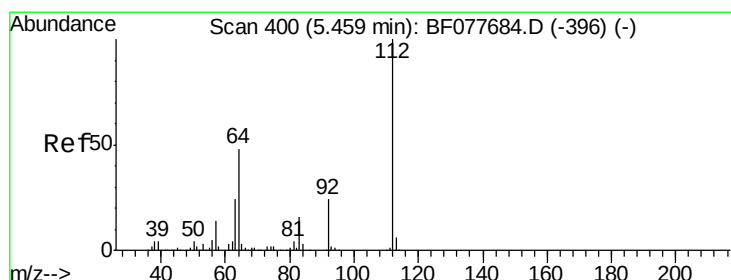
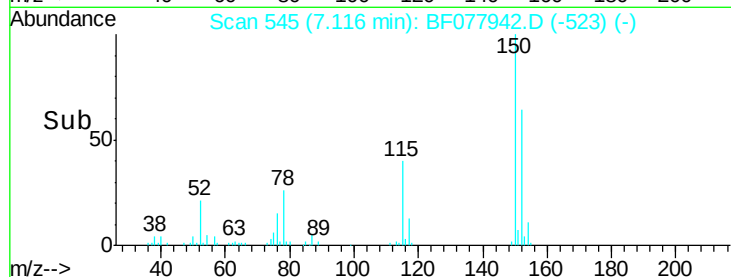
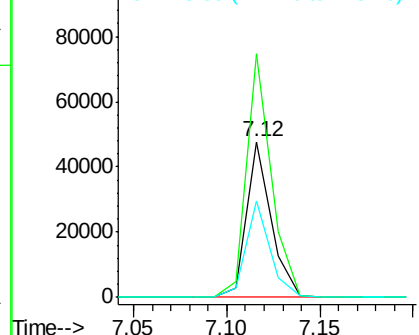
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.12 min Scan# 545  
Delta R.T. -0.05 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-2

Tgt Ion:152 Resp: 43818  
Ion Ratio Lower Upper  
152 100  
150 156.4 119.5 179.3  
115 62.0 43.0 64.4



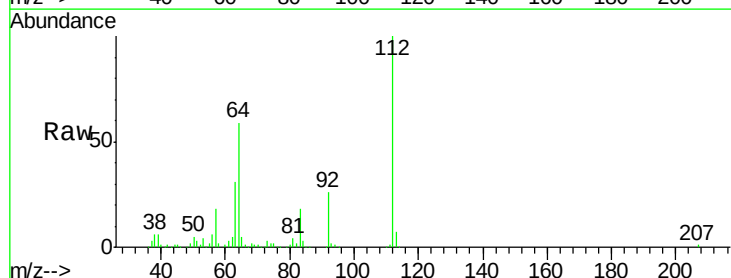
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



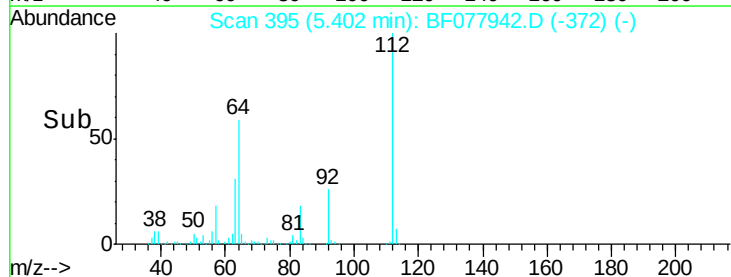
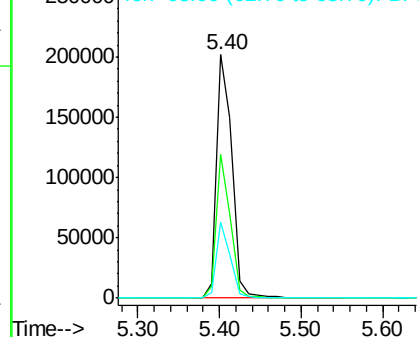
#5

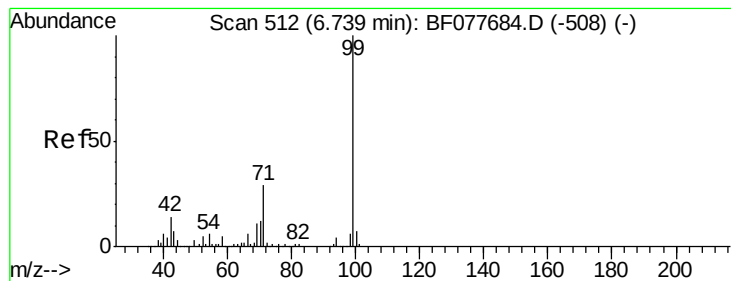
2-Fluorophenol  
Concen: 106.32 ng  
RT: 5.40 min Scan# 395  
Delta R.T. -0.03 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

Tgt Ion:112 Resp: 266884  
Ion Ratio Lower Upper  
112 100  
64 59.3 38.6 57.8#  
63 31.1 19.3 28.9#



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: 107.58 ng

RT: 6.69 min Scan# 508

Delta R.T. -0.03 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

Instrument :

BNA\_F

ClientSampleId :

SB-19-2

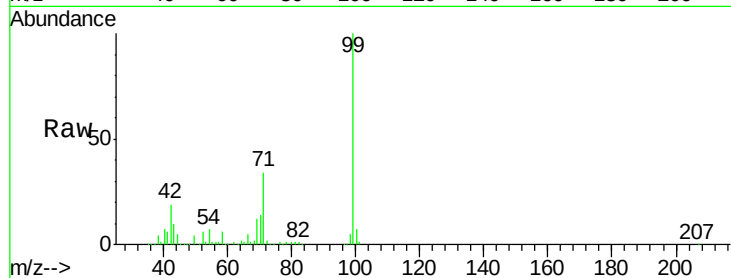
Tgt Ion: 99 Resp: 333674

Ion Ratio Lower Upper

99 100

42 19.4 11.0 16.4#

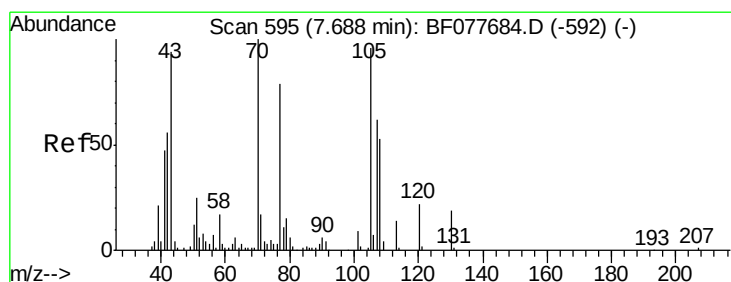
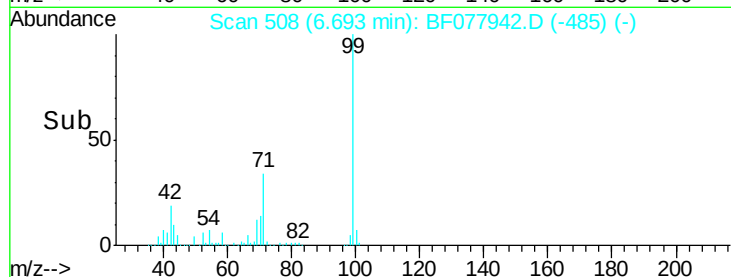
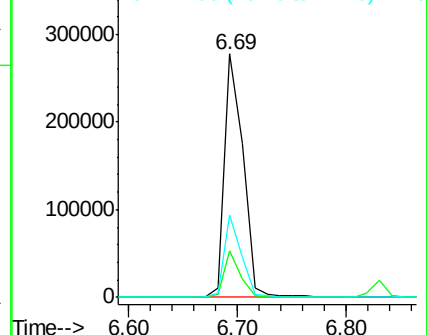
71 33.6 23.4 35.2



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: 12.22 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.13 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

Tgt Ion: 70 Resp: 26224

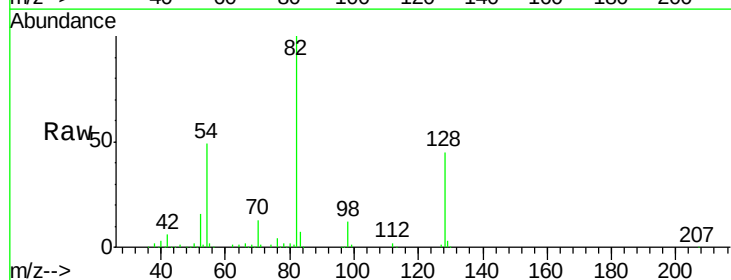
Ion Ratio Lower Upper

70 100

42 46.3 44.5 66.7

101 0.0 7.4 11.2#

130 2.3 15.3 22.9#

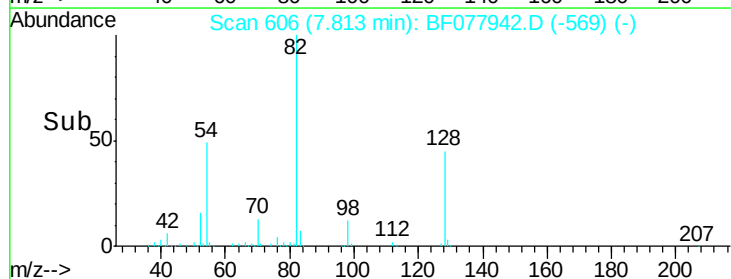
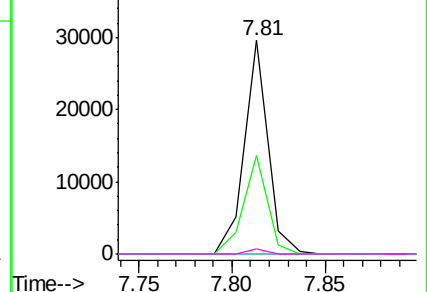


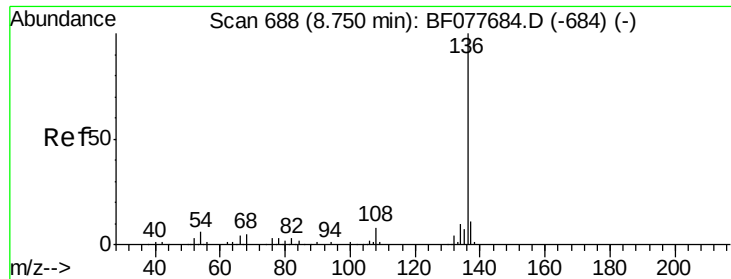
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

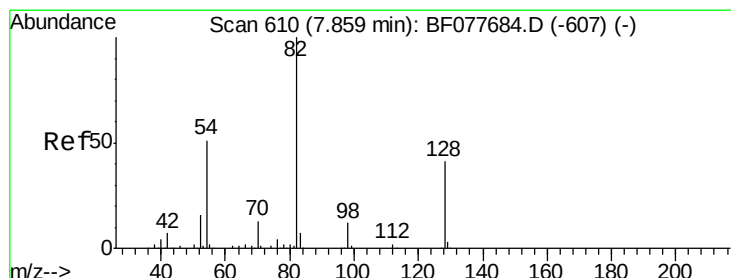
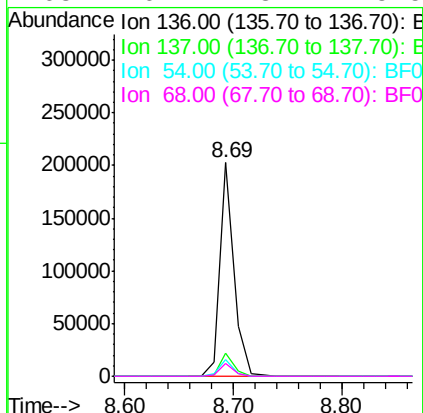
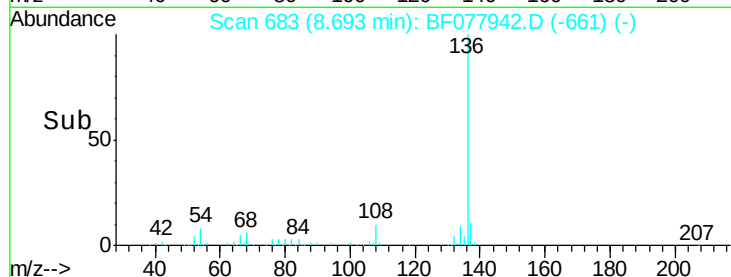
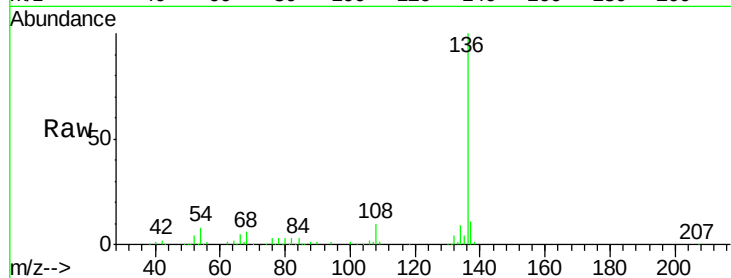




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.69 min Scan# 683  
Delta R.T. -0.05 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

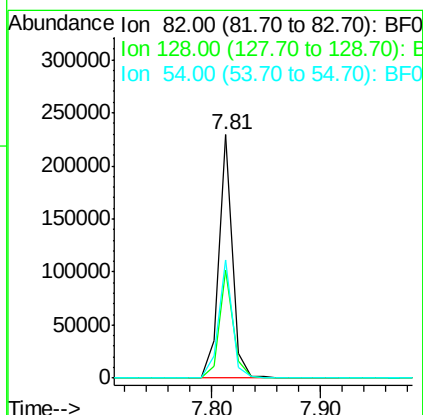
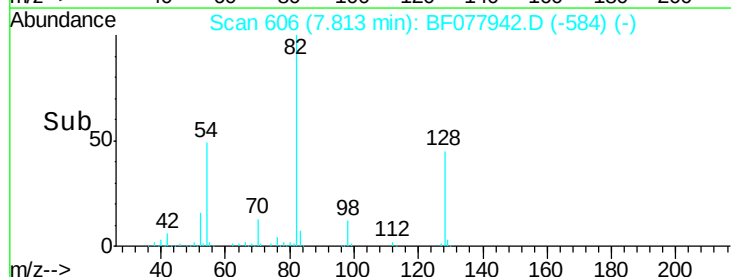
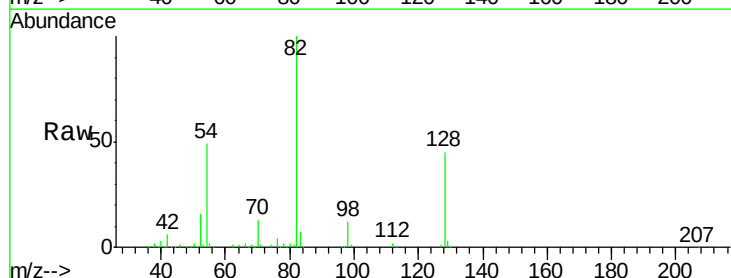
Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-2

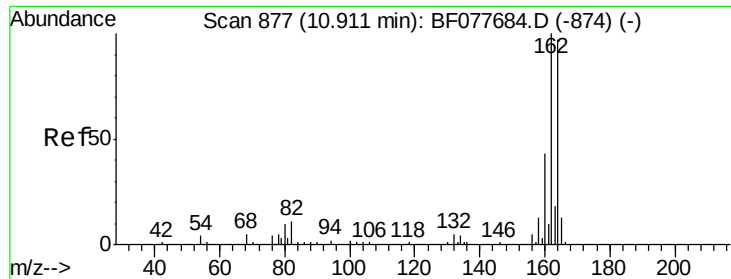
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 183538 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 7.7   | 4.6   | 6.8#   |
| 68       | 6.2   | 3.7   | 5.5#   |



#23  
Nitrobenzene-d5  
Concen: 72.22 ng  
RT: 7.81 min Scan# 606  
Delta R.T. -0.05 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 202202 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.5  | 32.8  | 49.2   |
| 54       | 48.5  | 40.6  | 60.8   |

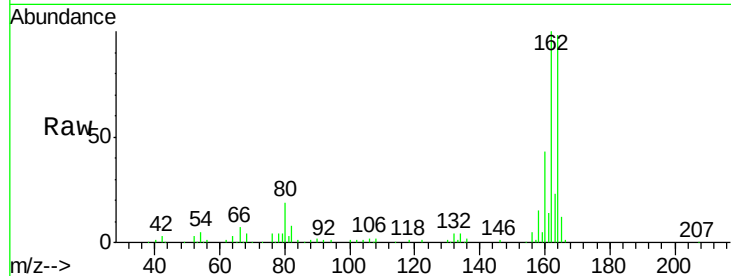




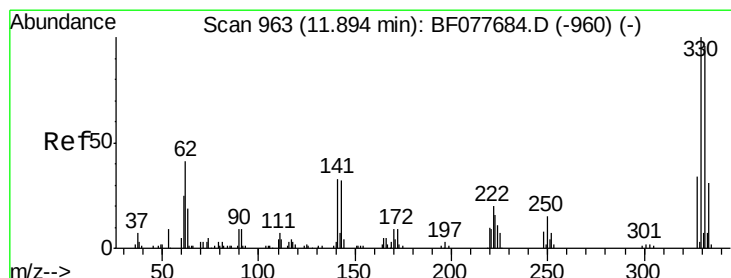
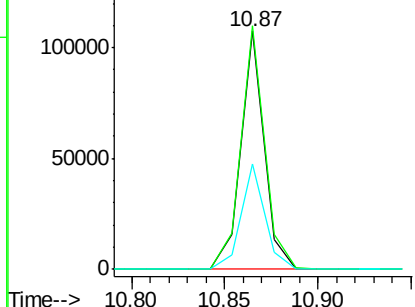
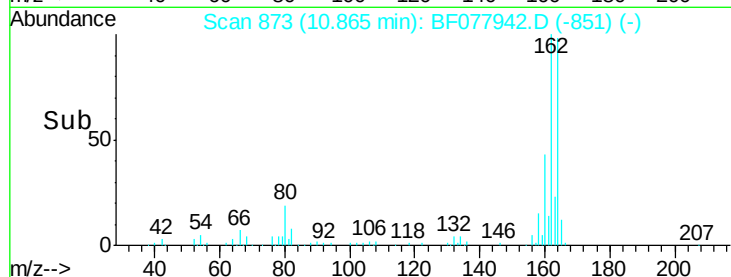
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.87 min Scan# 873  
Delta R.T. -0.05 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-2

Tgt Ion:164 Resp: 93635  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.4 123.6  
160 44.3 35.8 53.6

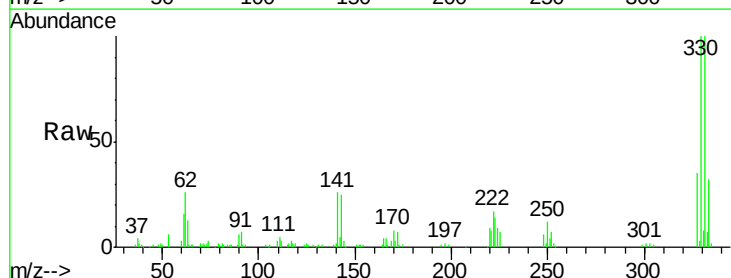


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

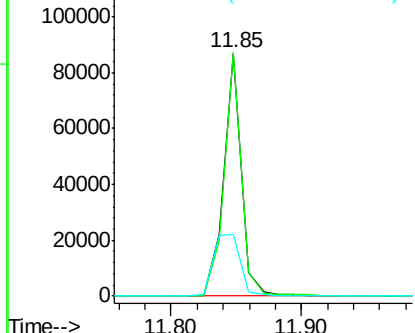
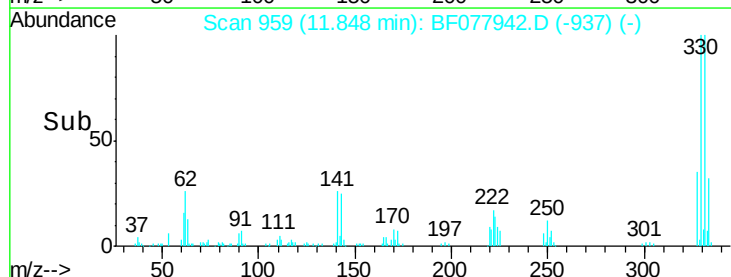


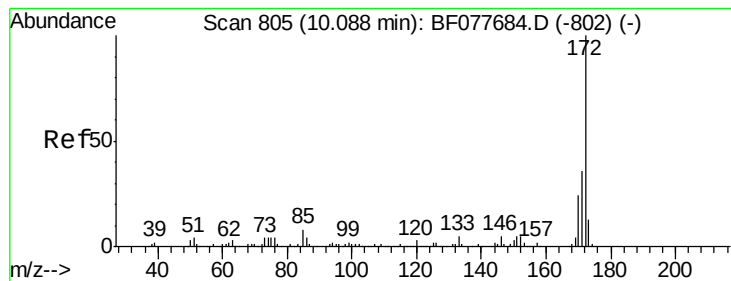
#41  
2,4,6-Tribromophenol  
Concen: 92.10 ng  
RT: 11.85 min Scan# 959  
Delta R.T. -0.05 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

Tgt Ion:330 Resp: 82514  
Ion Ratio Lower Upper  
330 100  
332 98.2 0.0 0.0#  
141 38.8 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: 70.16 ng

RT: 10.04 min Scan# 801

Delta R.T. -0.05 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

Instrument :

BNA\_F

ClientSampleId :

SB-19-2

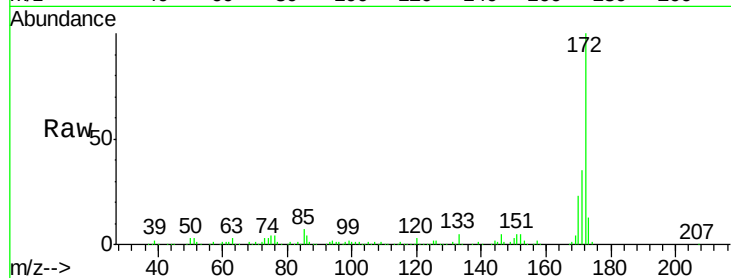
Tgt Ion:172 Resp: 447022

Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

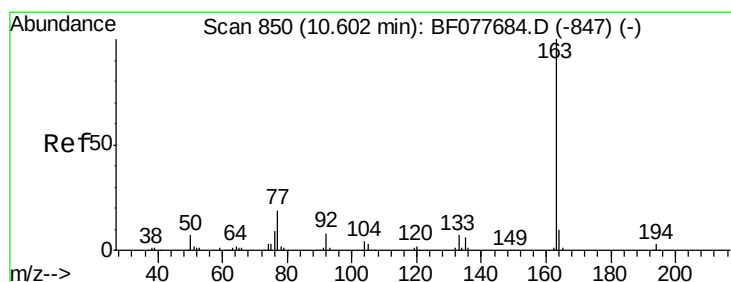
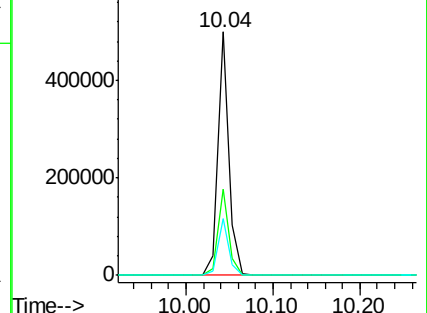
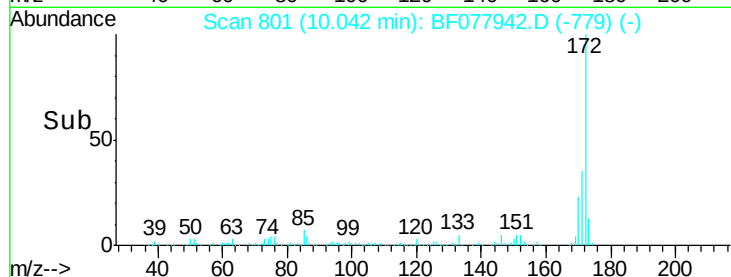
170 23.4 18.8 28.2



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: 14.32 ng

RT: 10.56 min Scan# 846

Delta R.T. -0.05 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

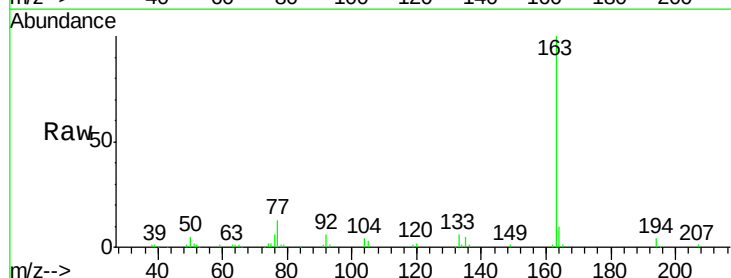
Tgt Ion:163 Resp: 99420

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

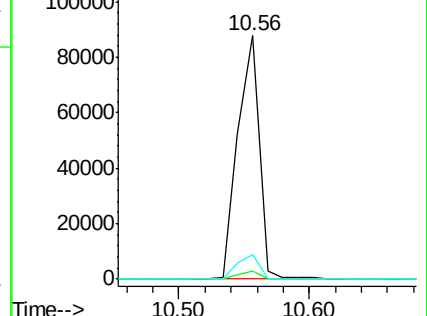
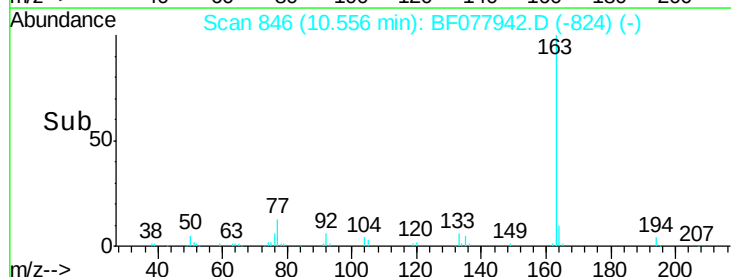
164 9.9 8.2 12.2

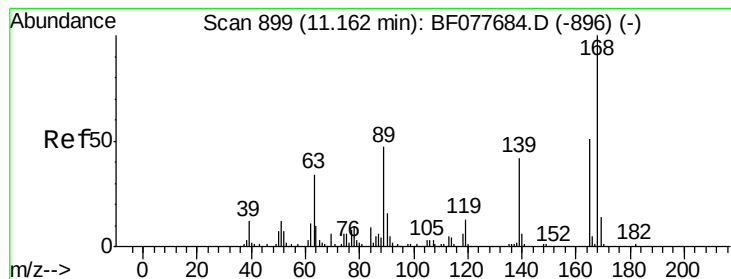


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 10.87 min Scan# 873

Delta R.T. -0.30 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

Instrument :

BNA\_F

ClientSampleId :

SB-19-2

Tgt Ion:165 Resp: 11480

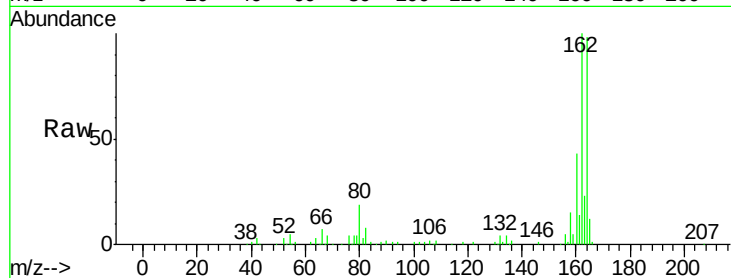
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

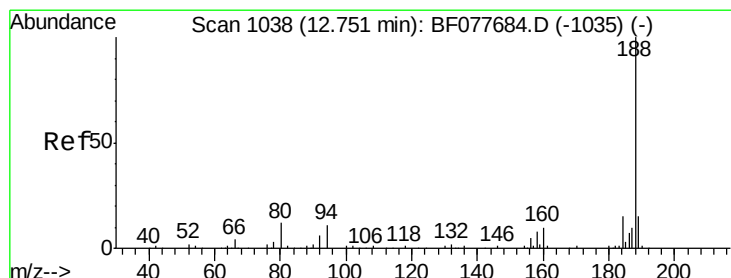
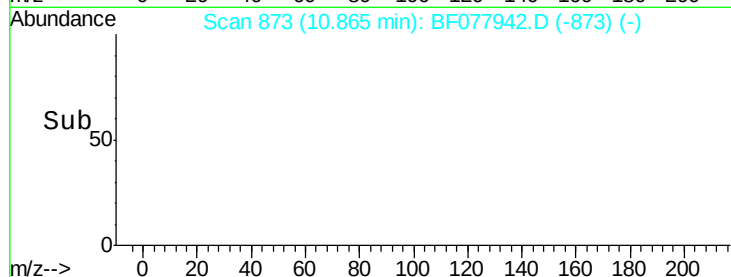
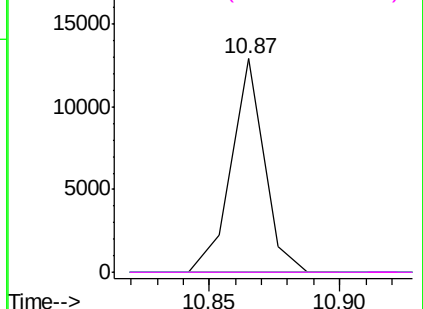


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.71 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

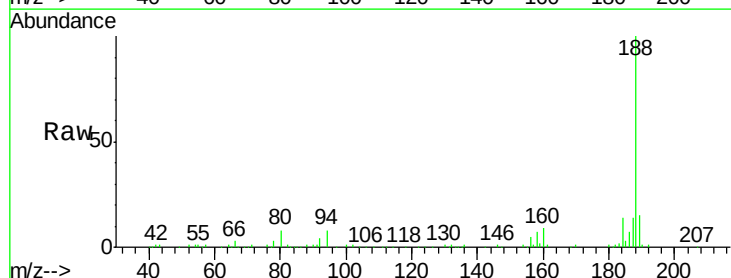
Tgt Ion:188 Resp: 185678

Ion Ratio Lower Upper

188 100

94 7.9 8.7 13.1#

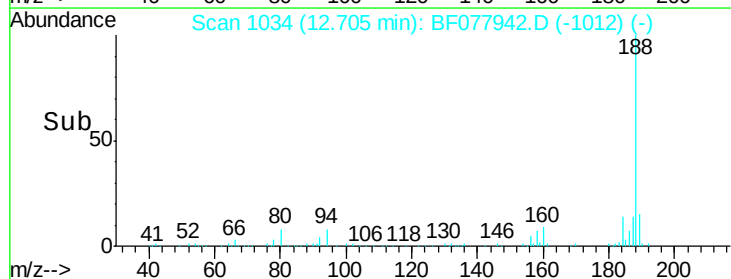
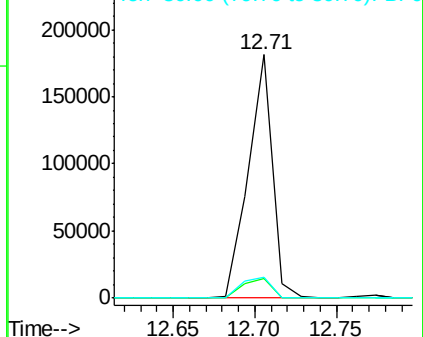
80 8.4 9.3 13.9#



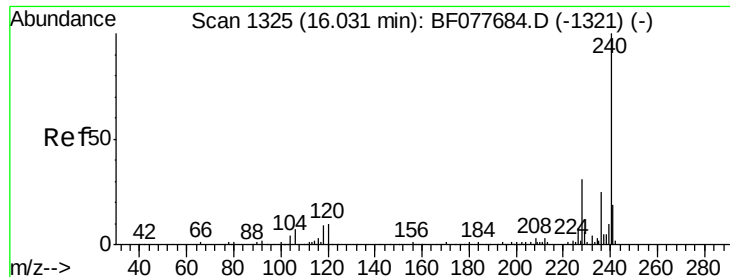
Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.99 min Scan# 1321

Delta R.T. -0.15 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

Instrument :

BNA\_F

ClientSampleId :

SB-19-2

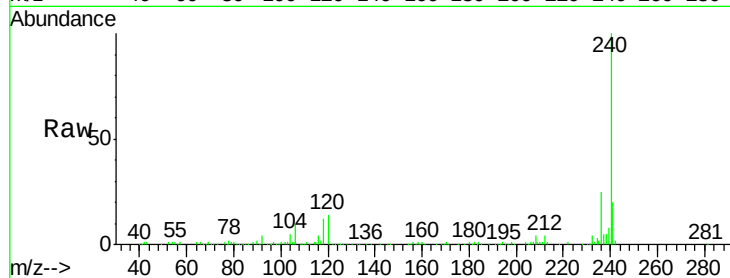
Tgt Ion:240 Resp: 201975

Ion Ratio Lower Upper

240 100

120 14.0 8.2 12.2#

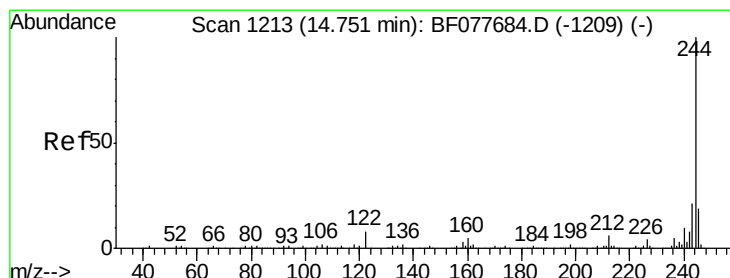
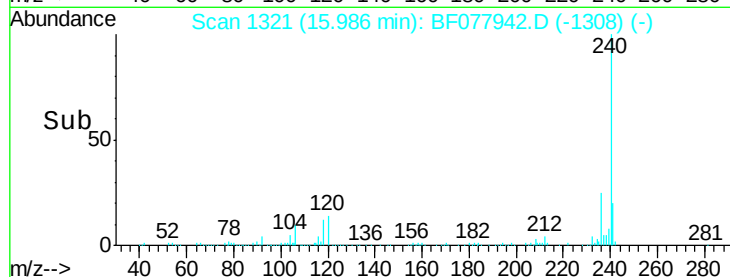
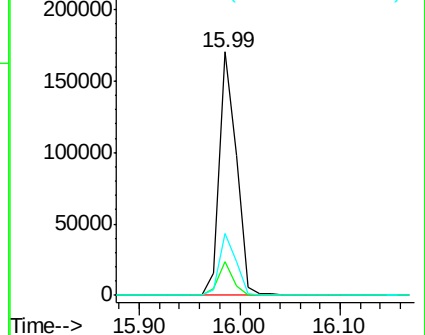
236 25.5 20.0 30.0



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



#78

Terphenyl-d14

Concen: 62.01 ng

RT: 14.69 min Scan# 1208

Delta R.T. -0.07 min

Lab File: BF077942.D

Acq: 25 Mar 2015 7:54

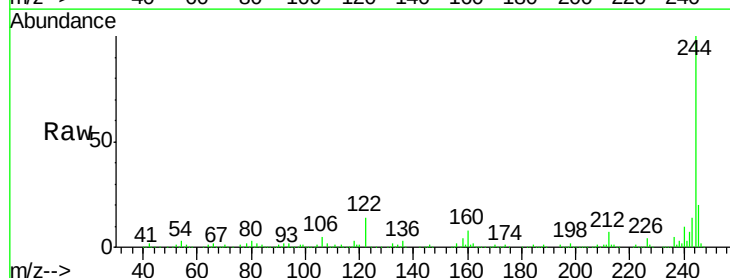
Tgt Ion:244 Resp: 512728

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

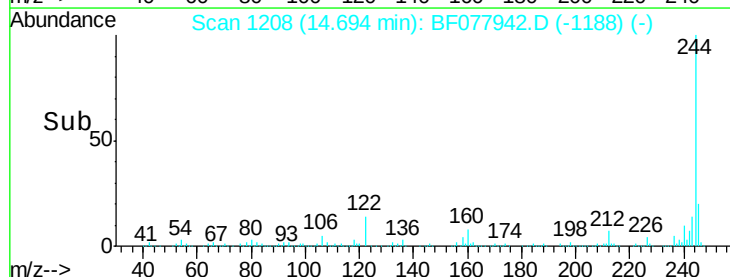
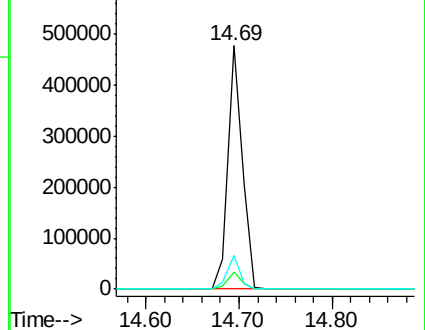
122 13.7 6.2 9.4#

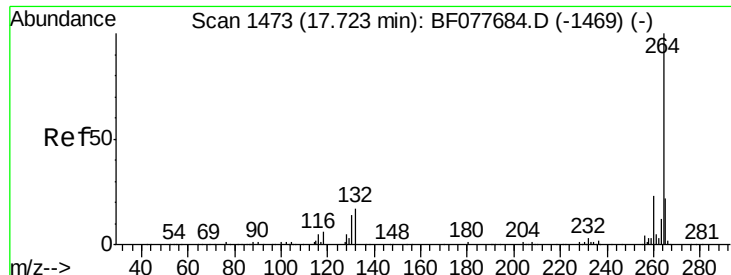


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

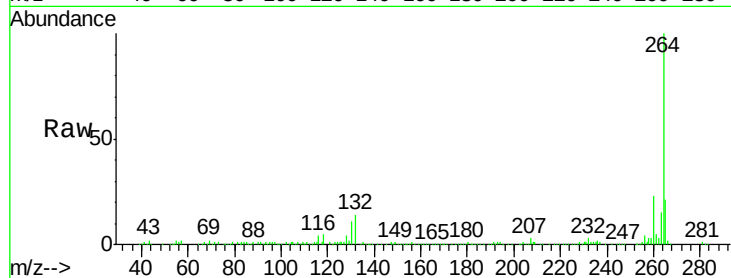




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.78 min Scan# 1478  
Delta R.T. -0.32 min  
Lab File: BF077942.D  
Acq: 25 Mar 2015 7:54

Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 201052 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.1  | 18.6  | 27.8   |
| 265      | 21.0  | 17.3  | 25.9   |



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

