

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032415\  
 Data File : BF077946.D  
 Acq On : 25 Mar 2015 9:48  
 Operator : TP/IZ  
 Sample : G1615-09 5X  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-1

Quant Time: Mar 25 11:31:23 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 25 11:05:58 2015  
 Response via : Initial Calibration

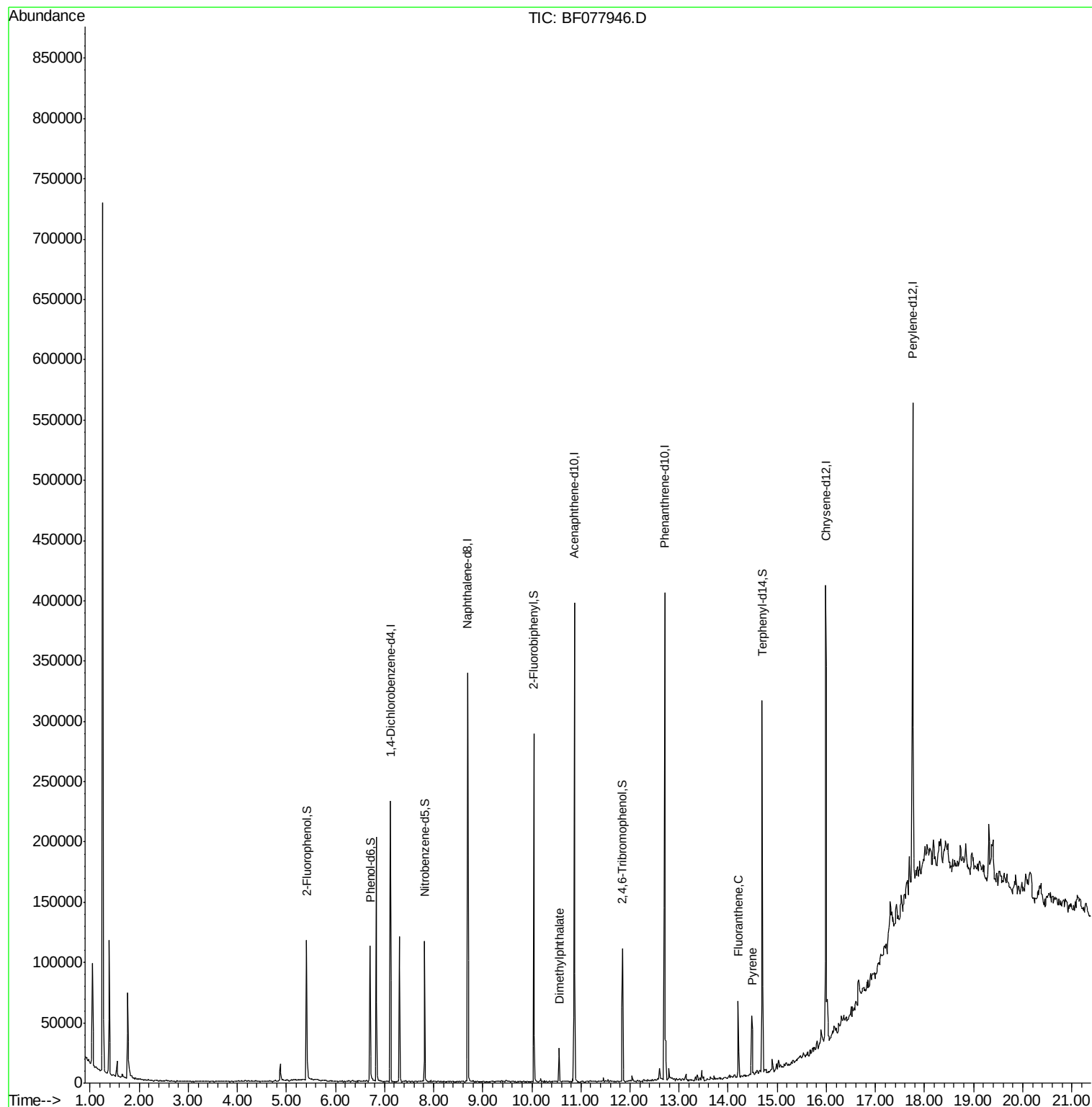
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.12  | 152  | 38929    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.69  | 136  | 164805   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.86 | 164  | 82802    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.71 | 188  | 167748   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12            | 15.99 | 240  | 186067   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 17.76 | 264  | 179955   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 54841    | 24.59 | ng    | 0.01     |
| 7) Phenol-d6                | 6.70  | 99   | 67434    | 24.47 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.81  | 82   | 37919    | 15.08 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.85 | 330  | 15915    | 20.09 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 10.04 | 172  | 93026    | 16.51 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.69 | 244  | 106920   | 14.04 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 10.56 | 163  | 18181    | 2.96  | ng    | 98       |
| 74) Fluoranthene            | 14.20 | 202  | 28851    | 2.72  | ng    | 95       |
| 77) Pyrene                  | 14.49 | 202  | 26863    | 2.30  | ng    | 98       |

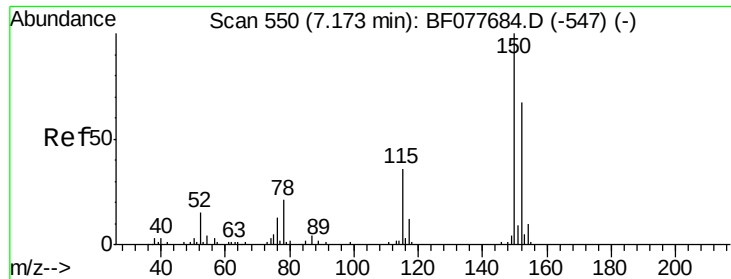
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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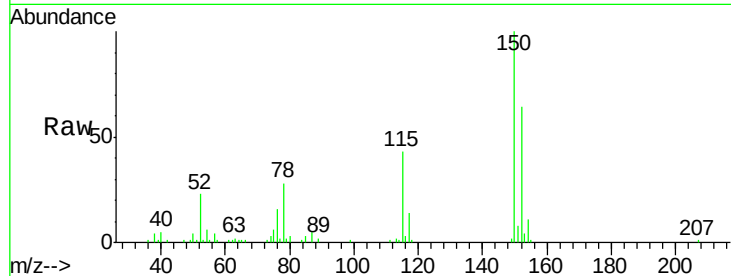


#1

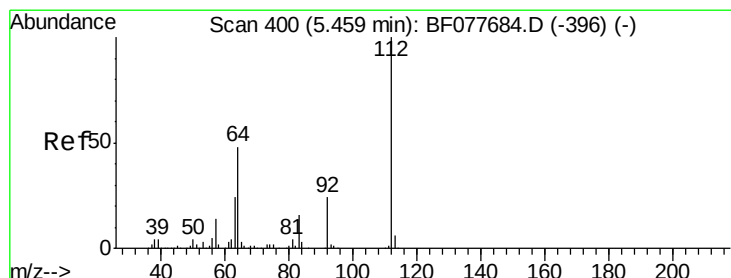
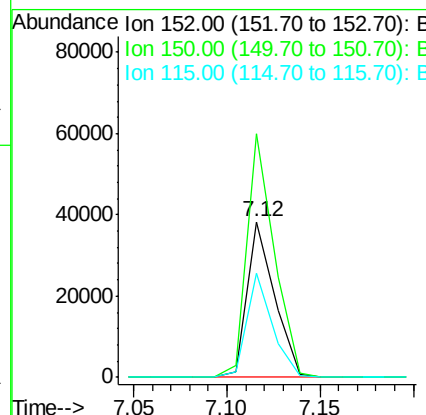
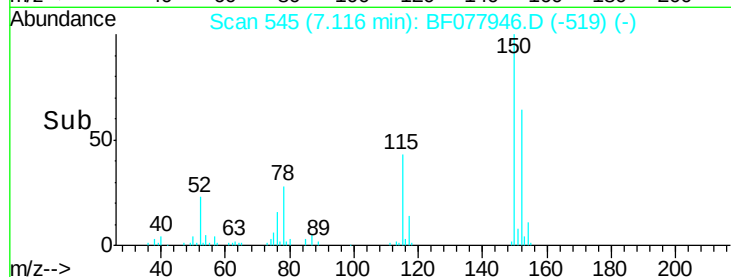
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.12 min Scan# 545  
 Delta R.T. -0.00 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-1

Tgt Ion:152 Resp: 38929  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 119.5 179.3  
 115 66.9 43.0 64.4#



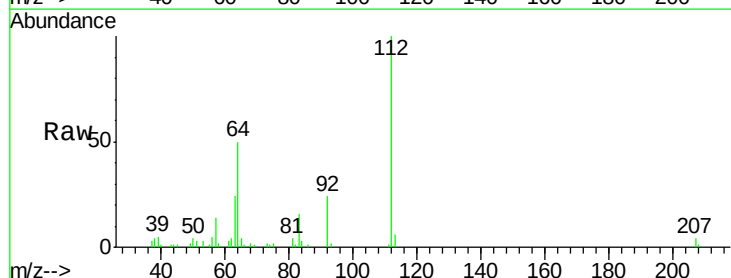
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



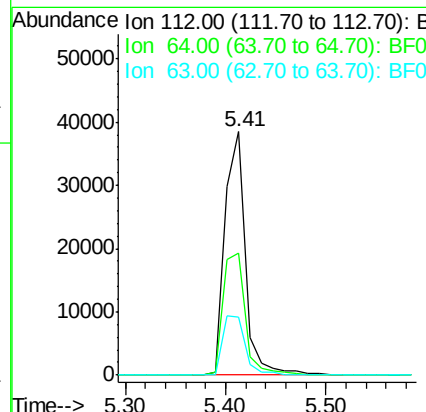
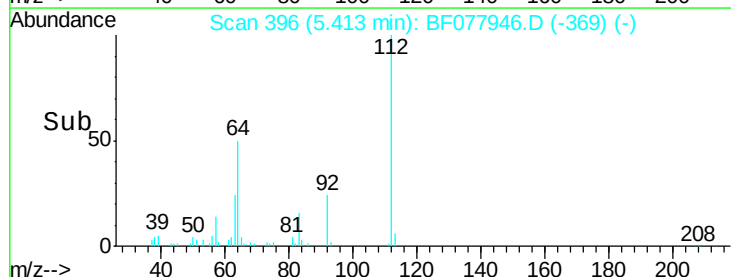
#5

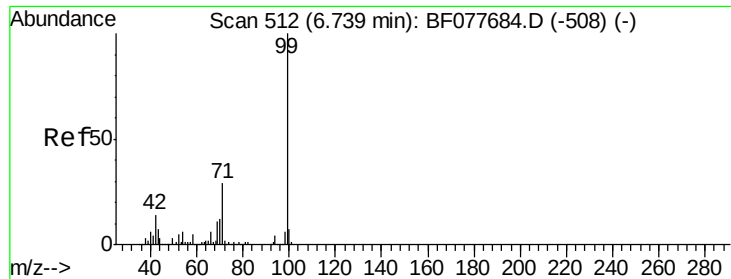
2-Fluorophenol  
 Concen: 24.59 ng  
 RT: 5.41 min Scan# 396  
 Delta R.T. 0.01 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

Tgt Ion:112 Resp: 54841  
 Ion Ratio Lower Upper  
 112 100  
 64 50.0 38.6 57.8  
 63 23.9 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: 24.47 ng

RT: 6.70 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

SB-19-1

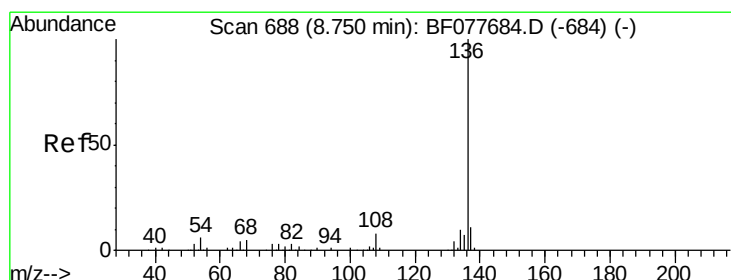
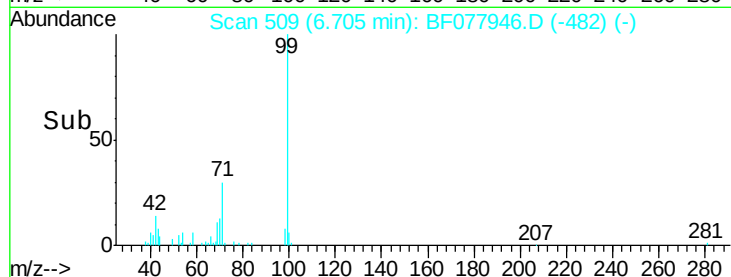
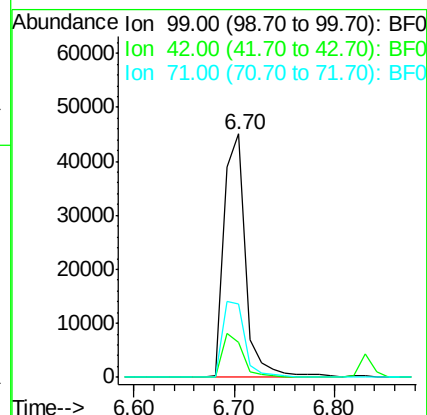
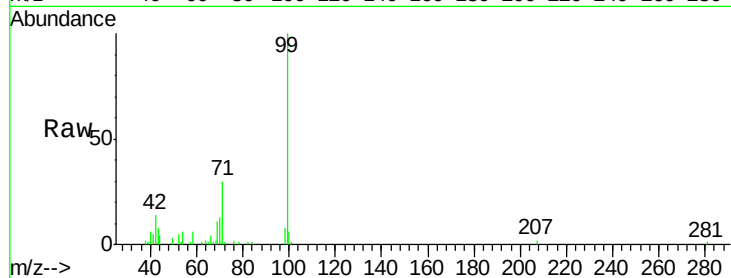
Tgt Ion: 99 Resp: 67434

Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.4

71 29.9 23.4 35.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Tgt Ion: 136 Resp: 164805

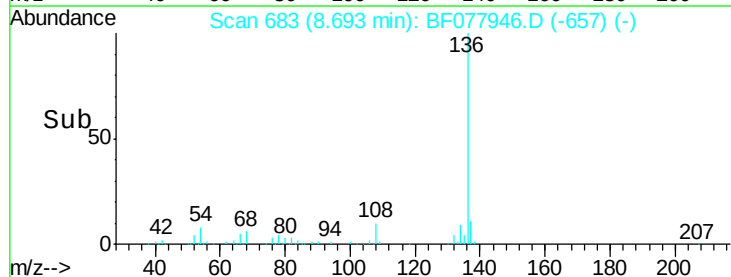
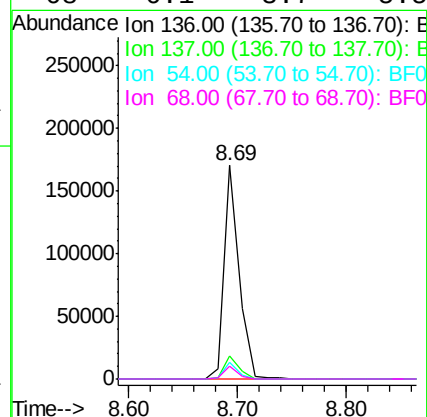
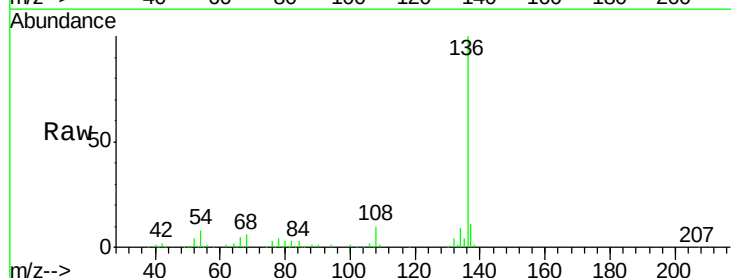
Ion Ratio Lower Upper

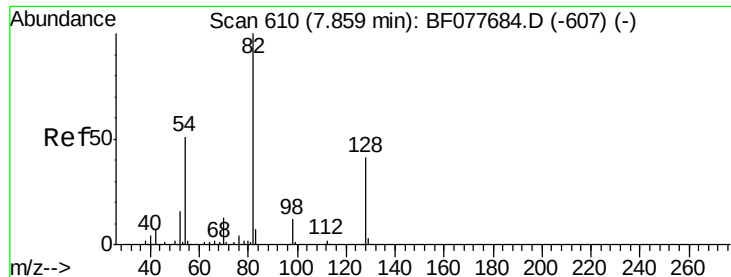
136 100

137 10.9 8.7 13.1

54 7.8 4.6 6.8#

68 6.1 3.7 5.5#

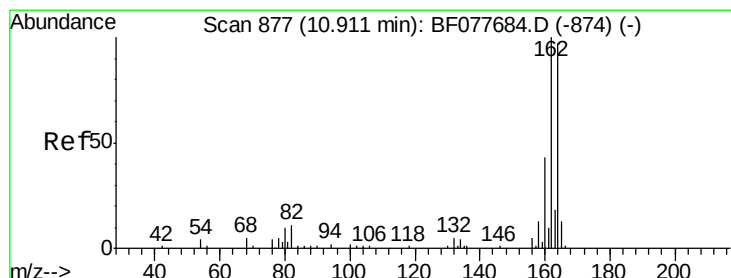
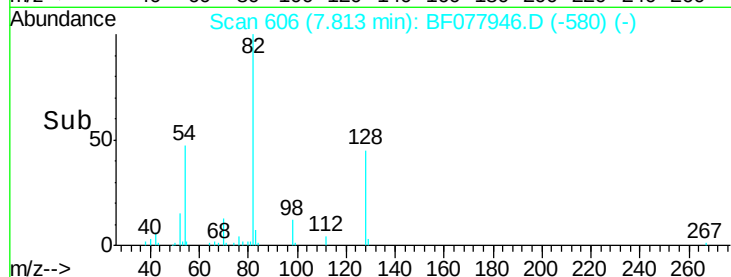
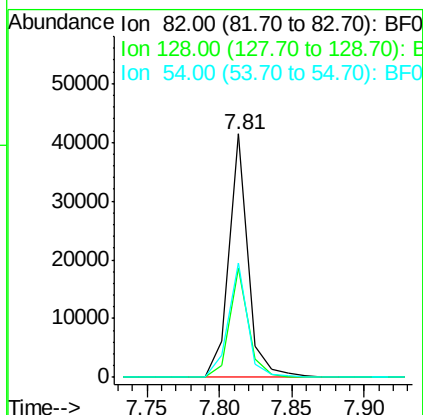
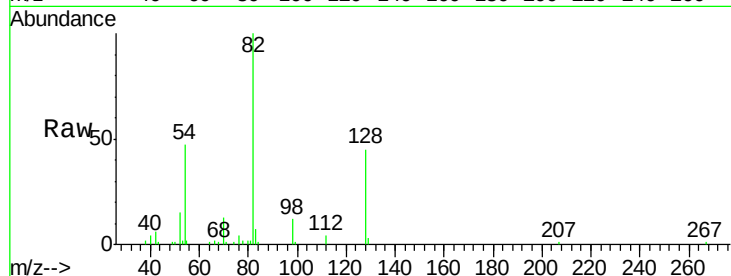




#23  
 Nitrobenzene-d5  
 Concen: 15.08 ng  
 RT: 7.81 min Scan# 606  
 Delta R.T. -0.00 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

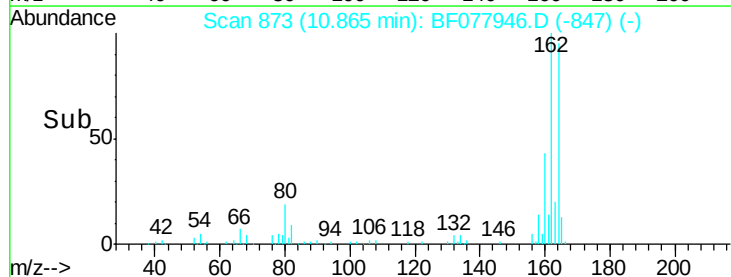
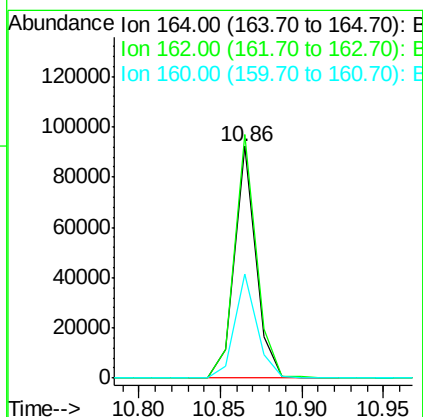
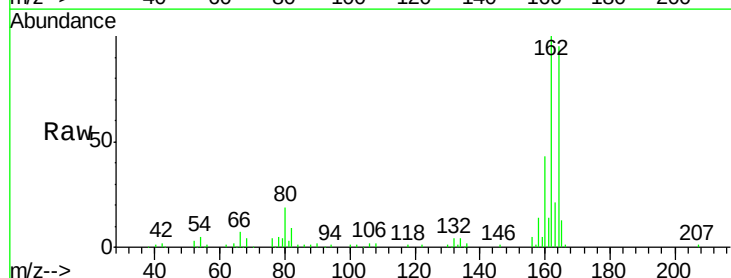
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-1

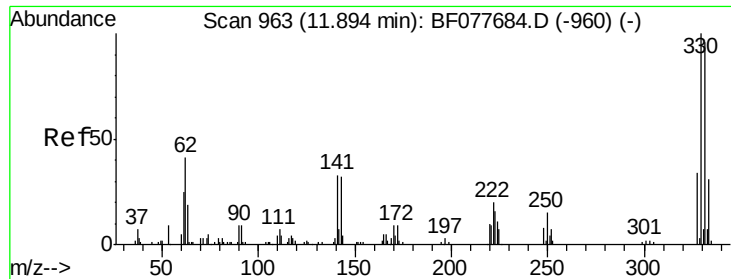
Tgt Ion: 82 Resp: 37919  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 32.8 49.2  
 54 47.2 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.86 min Scan# 873  
 Delta R.T. -0.00 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

Tgt Ion: 164 Resp: 82802  
 Ion Ratio Lower Upper  
 164 100  
 162 105.1 82.4 123.6  
 160 44.7 35.8 53.6

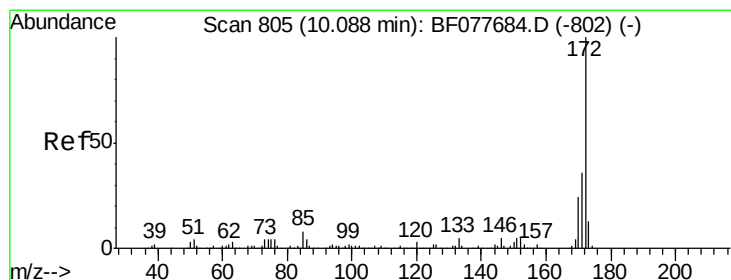
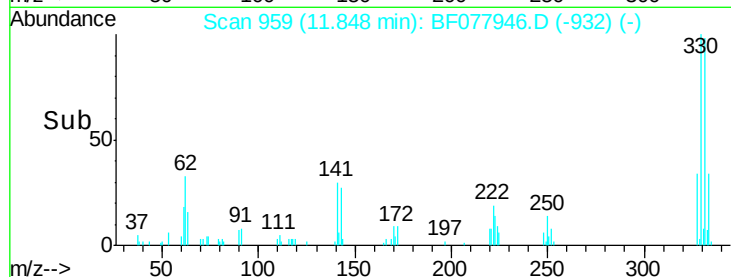
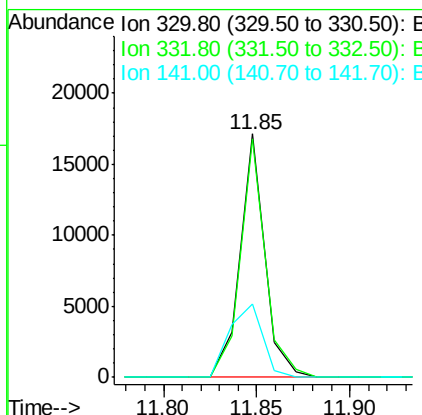
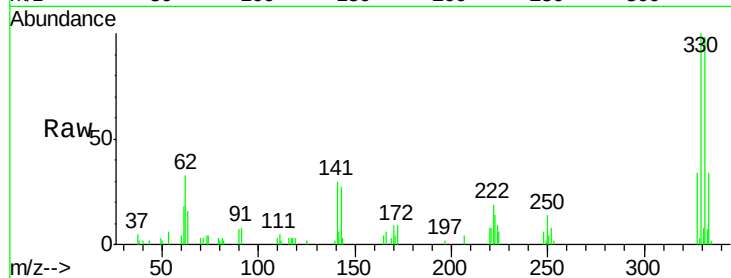




#41  
 2,4,6-Tribromophenol  
 Concen: 20.09 ng  
 RT: 11.85 min Scan# 959  
 Delta R.T. 0.01 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

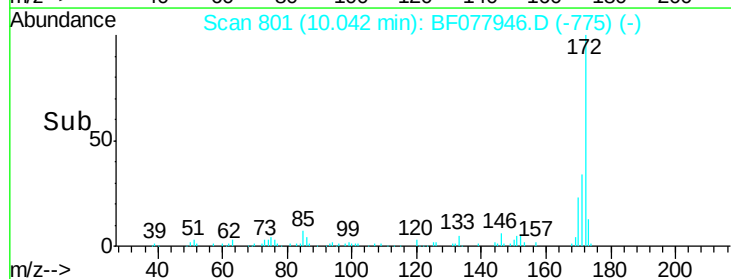
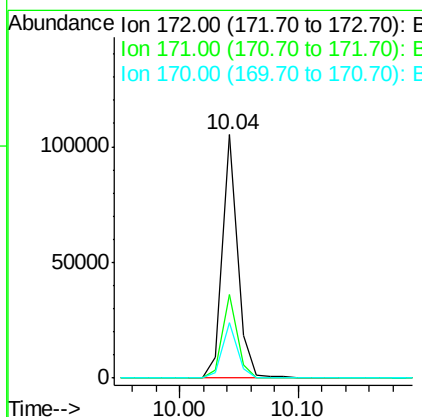
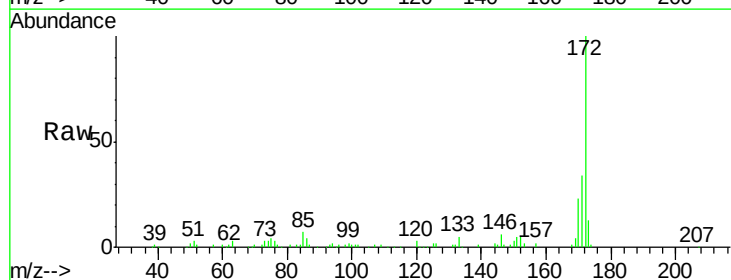
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-1

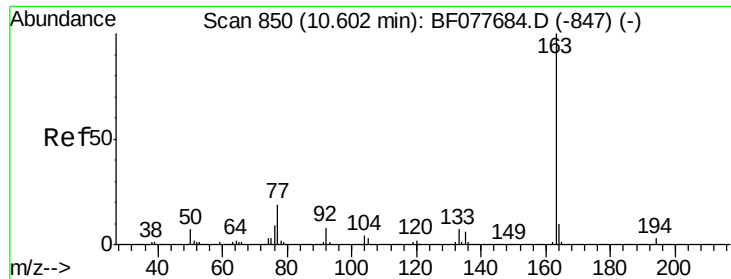
Tgt Ion:330 Resp: 15915  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 0.0 0.0#  
 141 40.3 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 16.51 ng  
 RT: 10.04 min Scan# 801  
 Delta R.T. -0.00 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

Tgt Ion:172 Resp: 93026  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.5 42.7  
 170 22.7 18.8 28.2





#49

Dimethylphthalate

Concen: 2.96 ng

RT: 10.56 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

SB-19-1

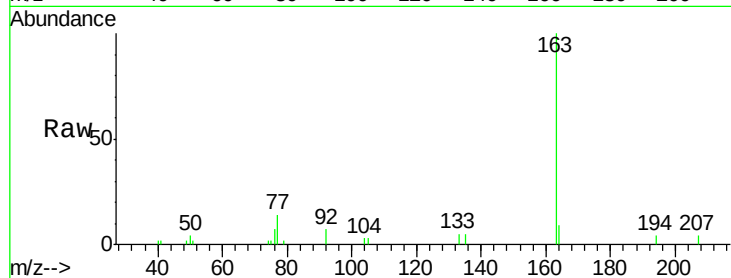
Tgt Ion:163 Resp: 18181

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

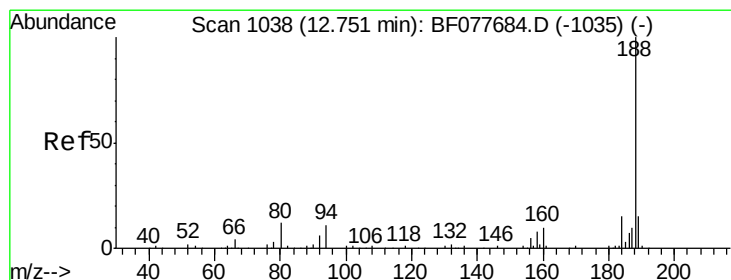
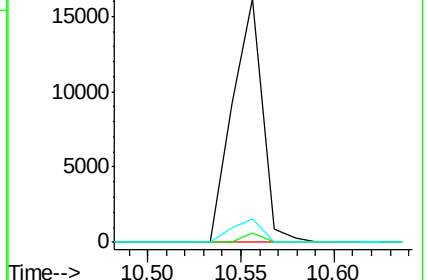
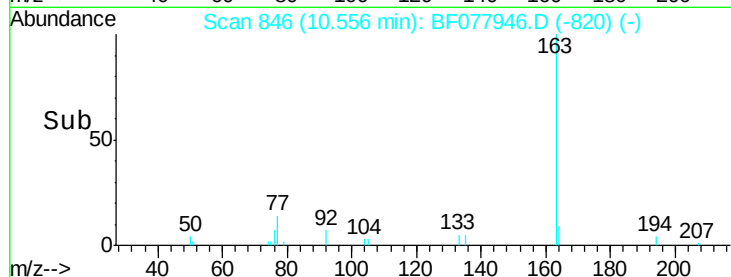
164 9.5 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.71 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

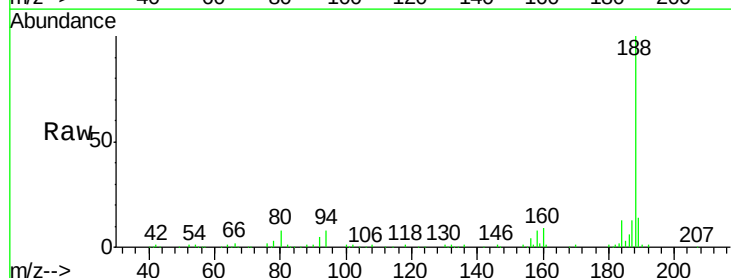
Tgt Ion:188 Resp: 167748

Ion Ratio Lower Upper

188 100

94 7.8 8.7 13.1#

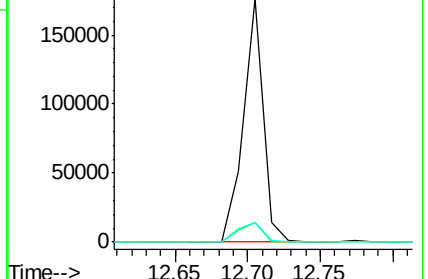
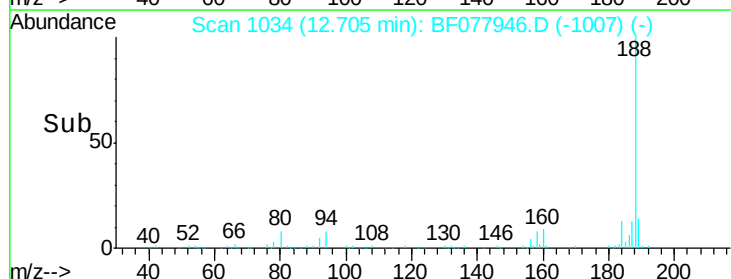
80 8.2 9.3 13.9#

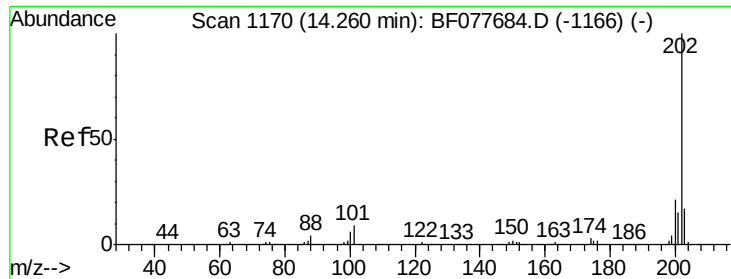


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

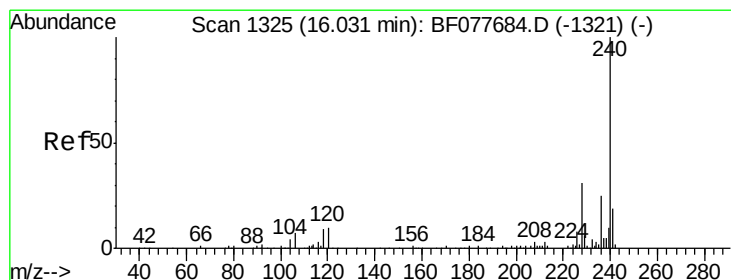
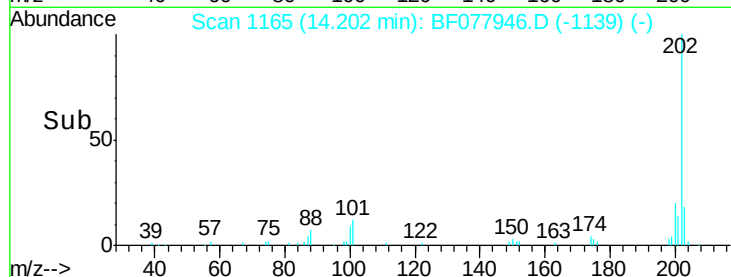
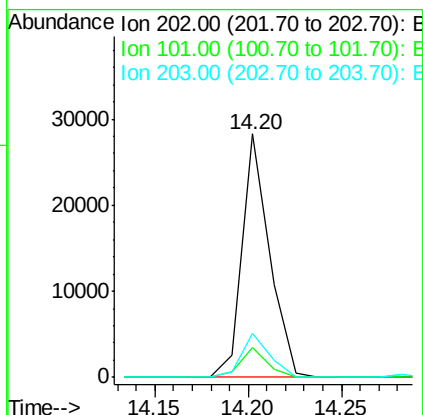
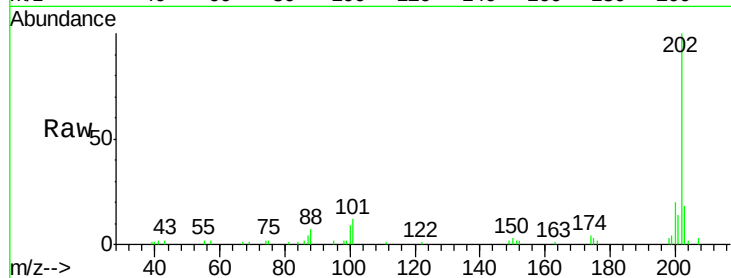




#74  
Fluoranthene  
Concen: 2.72 ng  
RT: 14.20 min Scan# 1165  
Delta R.T. -0.00 min  
Lab File: BF077946.D  
Acq: 25 Mar 2015 9:48

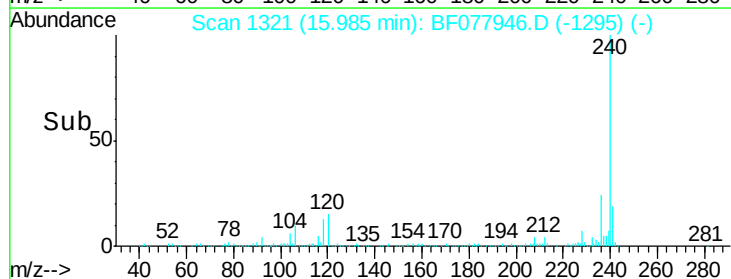
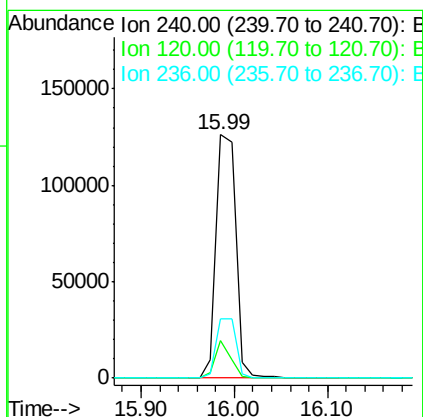
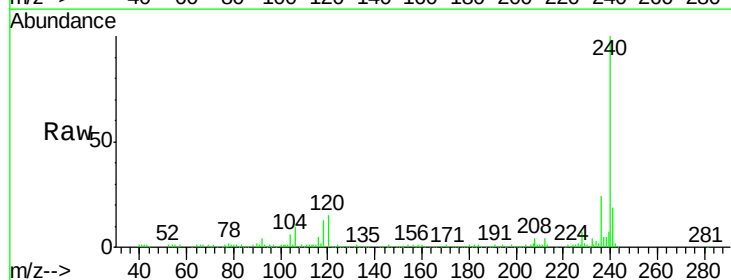
Instrument :  
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Tgt Ion: 202 Resp: 28851  
Ion Ratio Lower Upper  
202 100  
101 12.5 0.0 28.7  
203 18.0 0.0 37.2

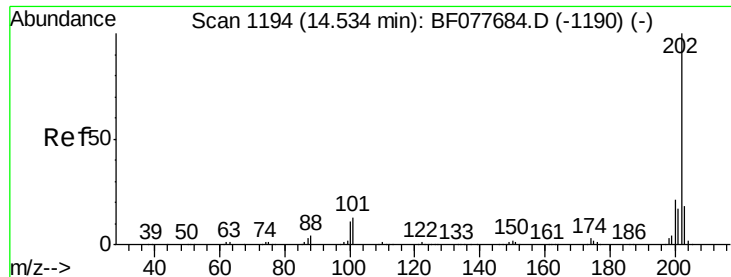


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.99 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: BF077946.D  
Acq: 25 Mar 2015 9:48

Tgt Ion: 240 Resp: 186067  
Ion Ratio Lower Upper  
240 100  
120 15.4 8.2 12.2#  
236 24.4 20.0 30.0



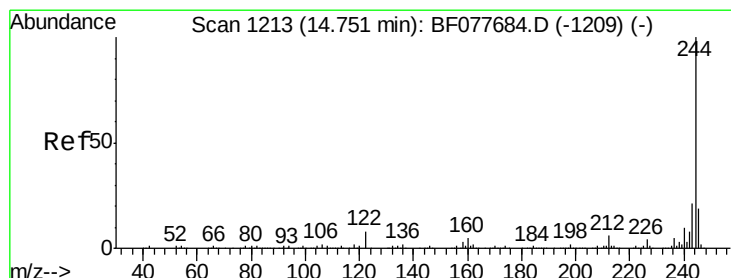
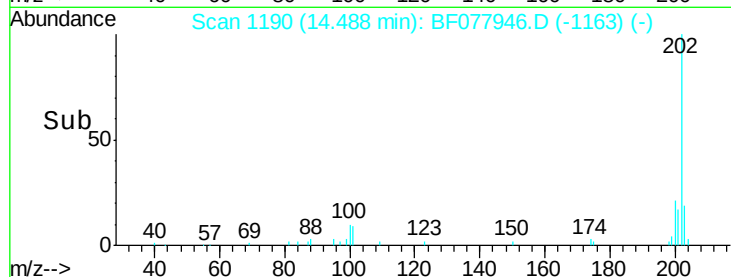
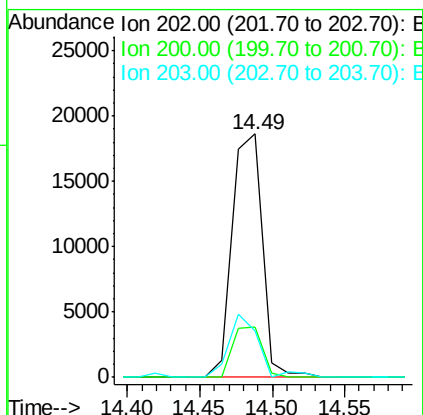
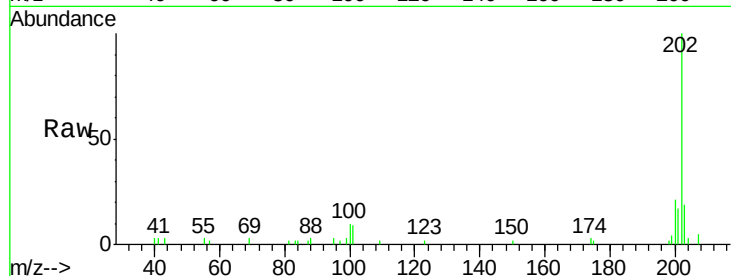




#77  
 Pyrene  
 Concen: 2.30 ng  
 RT: 14.49 min Scan# 1190  
 Delta R.T. 0.01 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

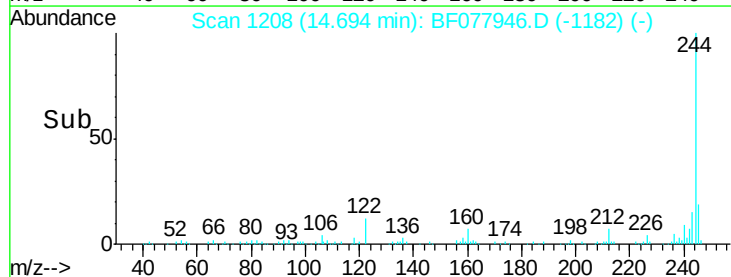
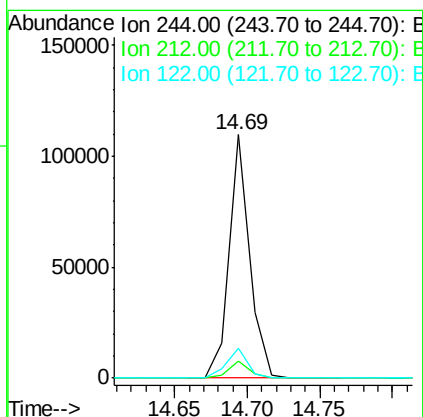
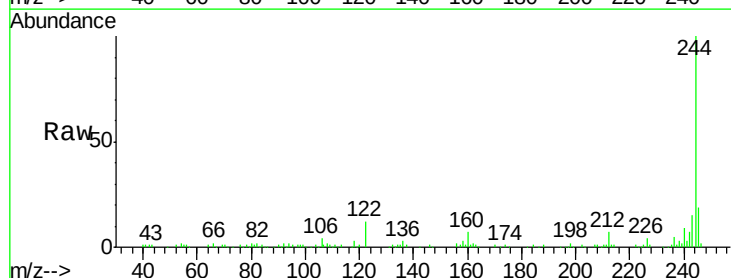
Instrument :  
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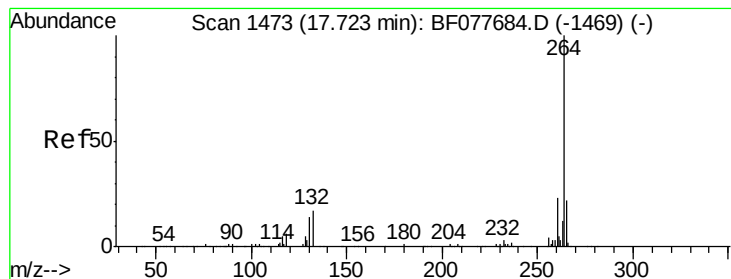
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 16.9  | 25.3  |
| 203     | 19.0  | 14.1  | 21.1  |



#78  
 Terphenyl-d14  
 Concen: 14.04 ng  
 RT: 14.69 min Scan# 1208  
 Delta R.T. -0.00 min  
 Lab File: BF077946.D  
 Acq: 25 Mar 2015 9:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 4.9   | 7.3   |
| 122     | 12.2  | 6.2   | 9.4   |





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.76 min Scan# 1476  
Delta R.T. 0.01 min  
Lab File: BF077946.D  
Acq: 25 Mar 2015 9:48

Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 179955 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.6  | 18.6  | 27.8   |
| 265      | 22.3  | 17.3  | 25.9   |

