

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF041615\  
 Data File : BF078597.D  
 Acq On : 17 Apr 2015 8:02  
 Operator : TP/IZ  
 Sample : G1855-11RE 5X  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB08A(6-12)RE

Quant Time: Apr 17 13:36:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 01:04:57 2015  
 Response via : Initial Calibration

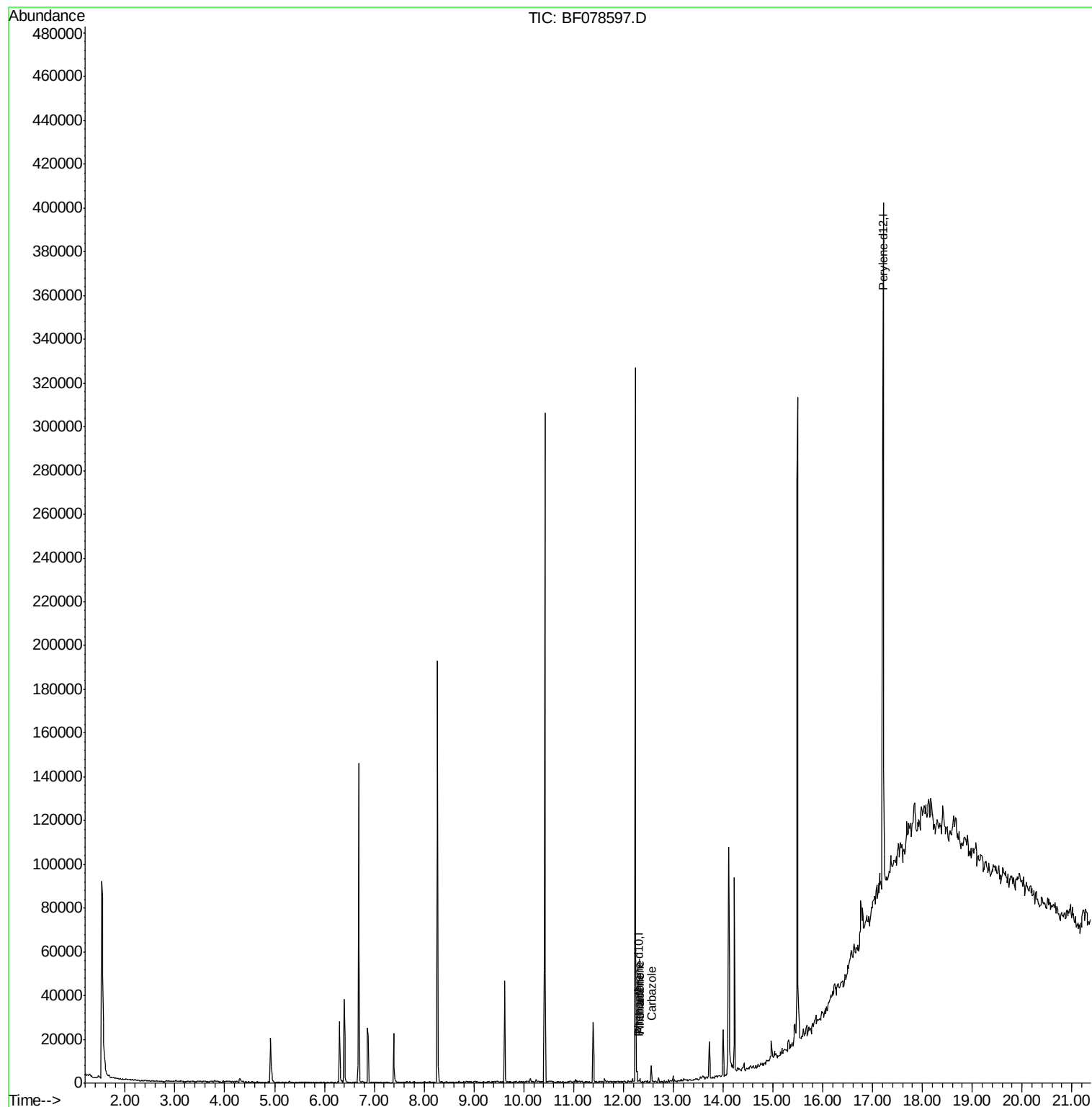
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 0.00  | 152  | 0        | 0.00  | ng    | -6.81    |
| 21) Naphthalene-d8          | 0.00  | 136  | 0        | 0.00  | ng    | -8.39    |
| 38) Acenaphthene-d10        | 0.00  | 164  | 0        | 0.00  | ng    | -10.55   |
| 63) Phenanthrene-d10        | 12.31 | 188  | 364      | 20.00 | ng    | -0.06    |
| 75) Chrysene-d12            | 0.00  | 240  | 0        | 0.00  | ng    | -15.63   |
| 86) Perylene-d12            | 17.21 | 264  | 147929   | 20.00 | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 0.00  | 99   | 0        | 0.00  | ng    |          |
| 23) Nitrobenzene-d5         | 0.00  | 82   | 0        | 0.00  | ng    |          |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 44) 2-Fluorobiphenyl        | 0.00  | 172  | 0        | 0.00  | ng    |          |
| 78) Terphenyl-d14           | 0.00  | 244  | 0        | 0.00  | ng    |          |
| Target Compounds            |       |      |          |       |       |          |
| 70) Phenanthrene            | 12.33 | 178  | 1538     | 73.04 | ng    | # 60     |
| 71) Anthracene              | 12.33 | 178  | 1539     | 74.18 | ng    | # 61     |
| 72) Carbazole               | 12.56 | 167  | 668      | 34.35 | ng    | # 60     |

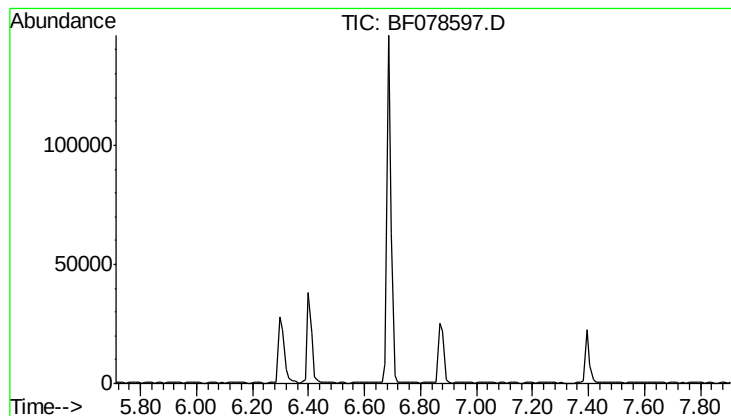
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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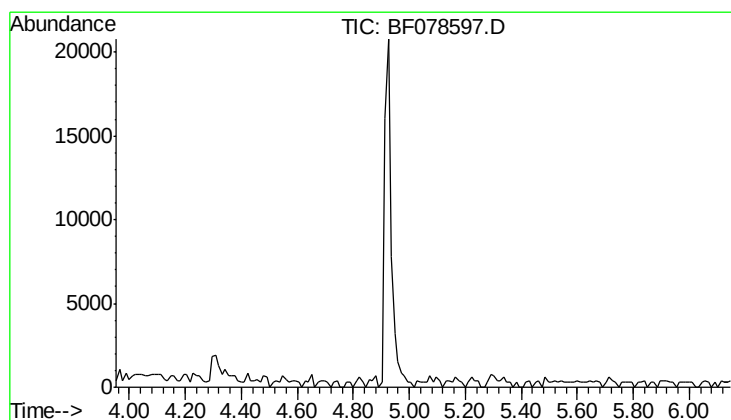
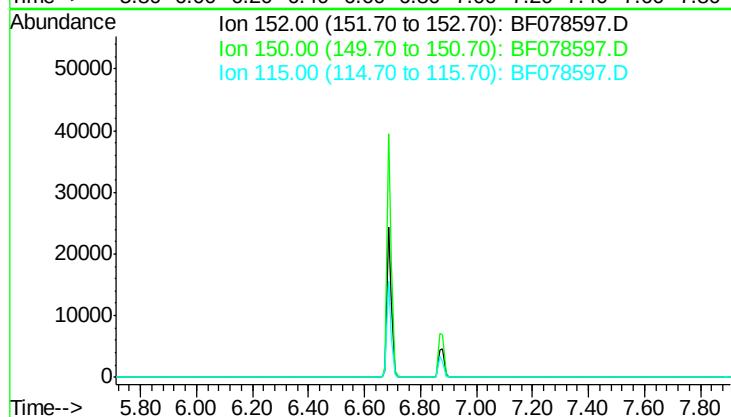




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 6.81 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

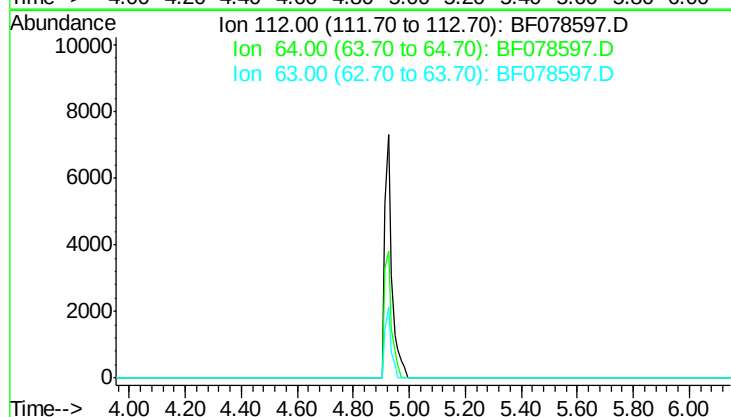
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB08A(6-12)RE

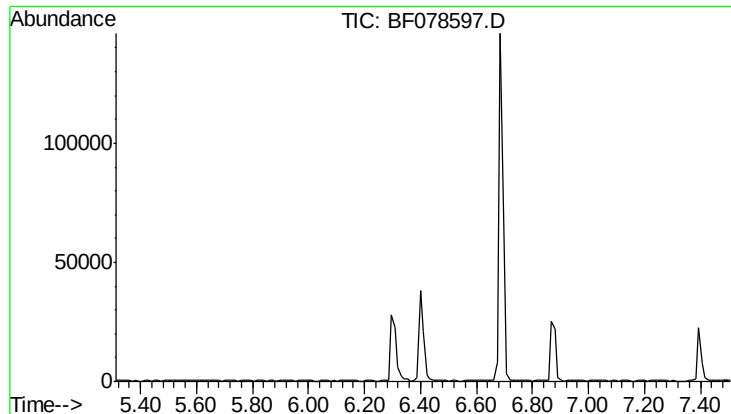
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 157.4  
 115 65.9



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.05 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 49.9  
 63 25.3





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.41 min

Lab File: BF078597.D

Acq: 17 Apr 2015 8:02

Instrument :

BNA\_F

ClientSampleId :

LS-SB08A(6-12)RE

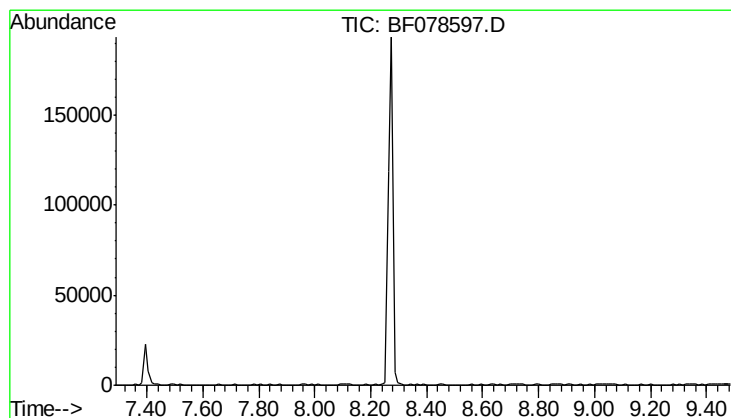
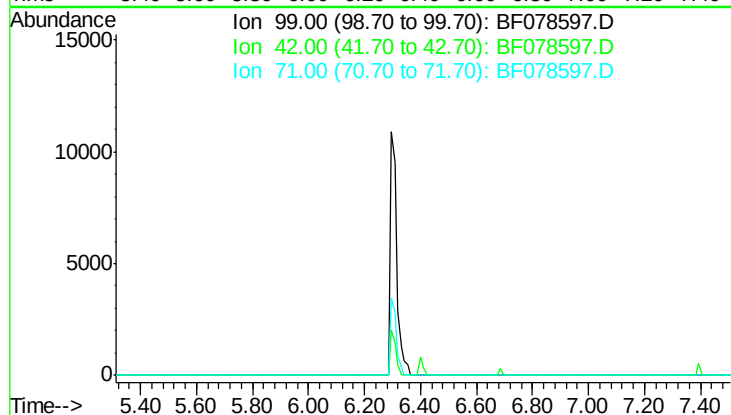
Tgt Ion: 99

Sig Exp Ratio

99 100

42 18.5

71 33.2



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 8.39 min

Lab File: BF078597.D

Acq: 17 Apr 2015 8:02

Tgt Ion: 136

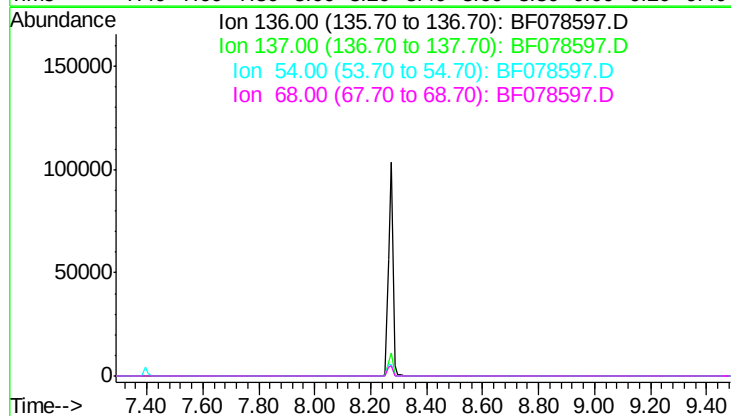
Sig Exp Ratio

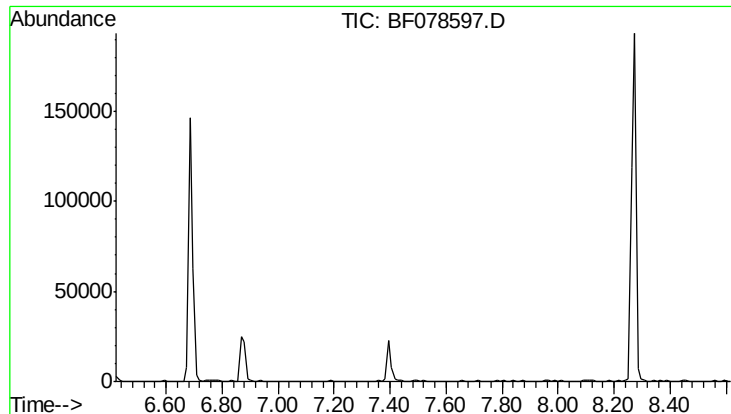
136 100

137 11.2

54 8.8

68 6.8

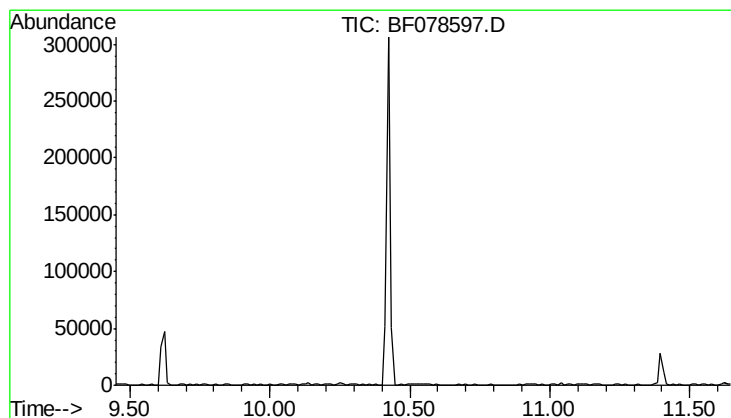
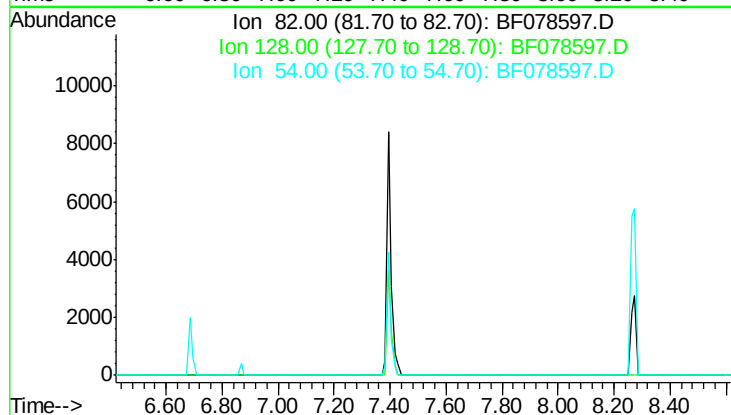




#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 Expected RT: 7.52 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

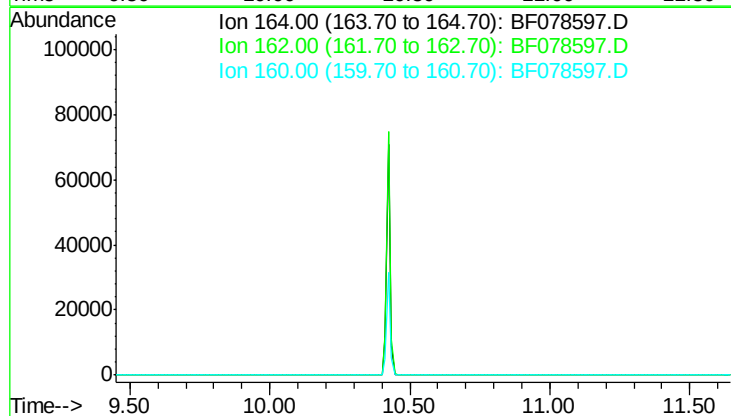
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB08A(6-12)RE

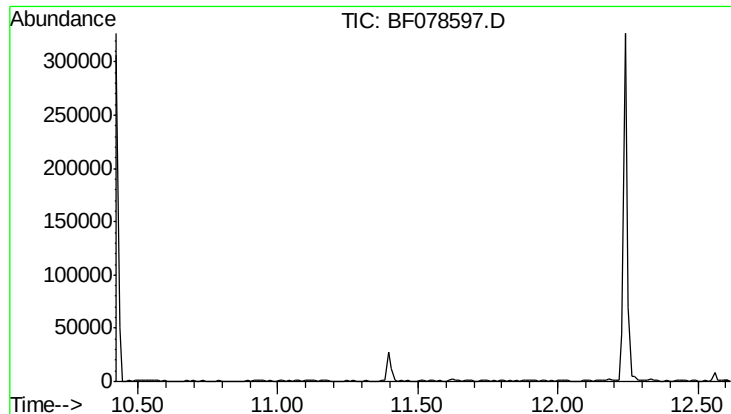
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 82      | 100       |
| 128     | 39.8      |
| 54      | 51.9      |



#38  
 Acenaphthene-d10  
 Concen: 0.00 ng  
 Expected RT: 10.55 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 164     | 100       |
| 162     | 102.7     |
| 160     | 43.4      |

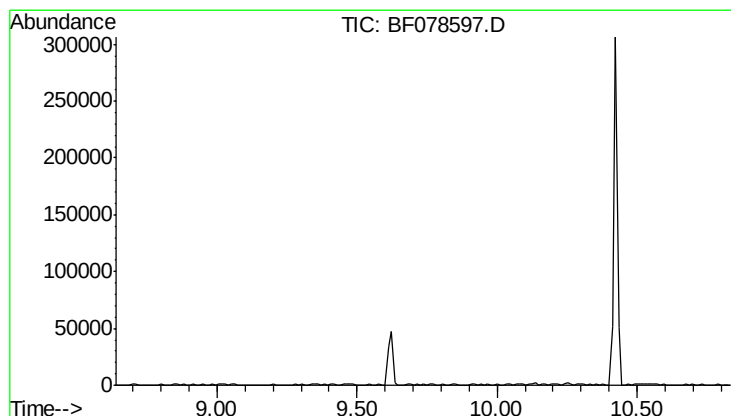
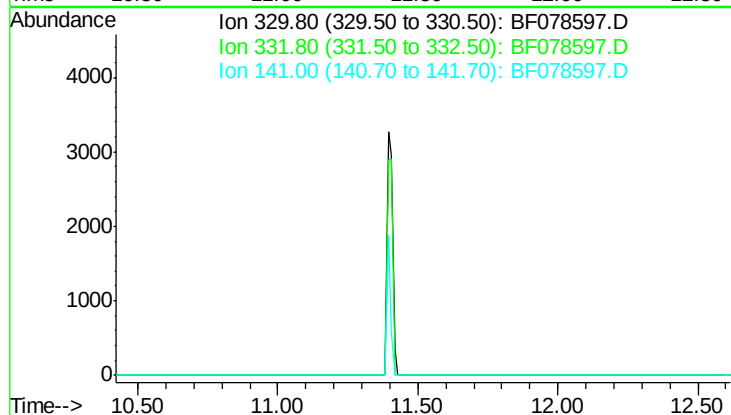




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 11.52 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

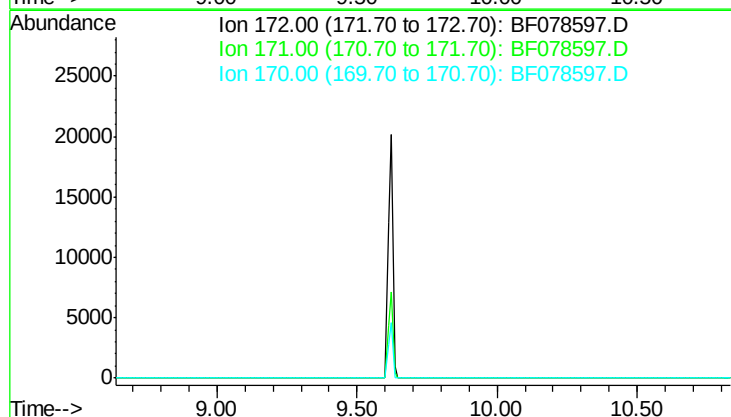
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB08A(6-12)RE

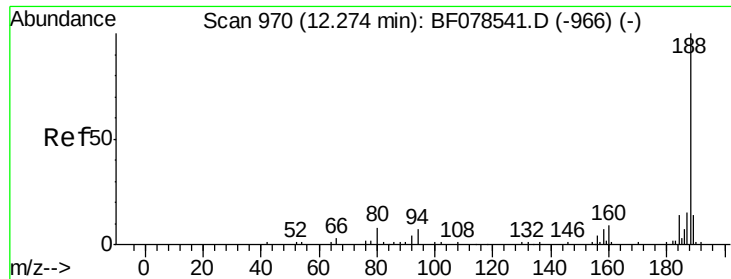
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 98.2  
 141 39.0



#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 Expected RT: 9.74 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 35.7  
 170 23.1

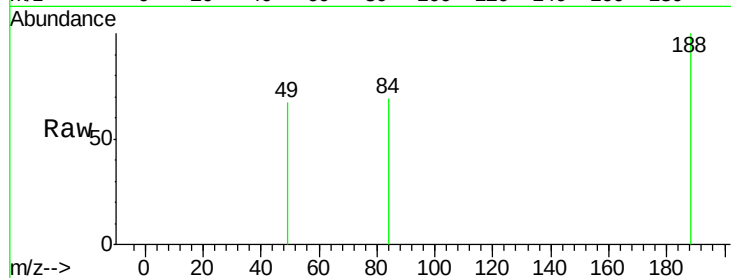




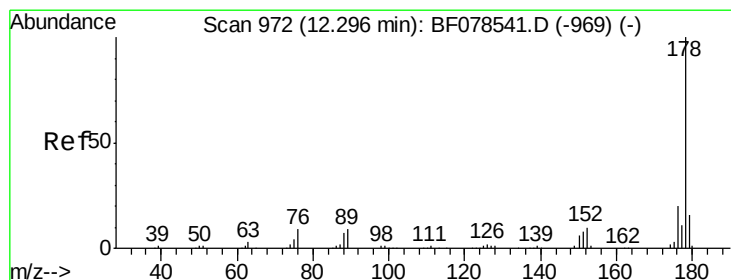
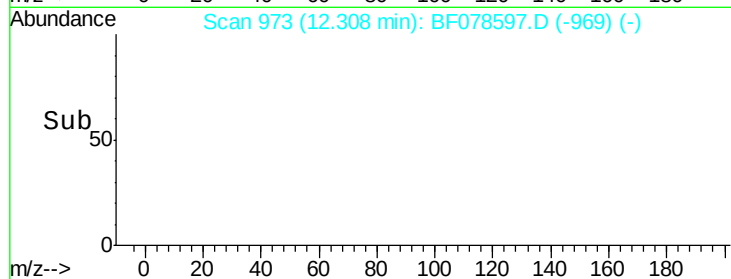
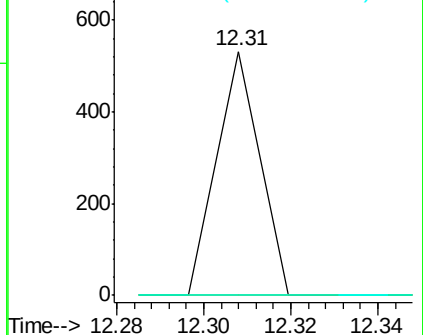
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.31 min Scan# 973  
 Delta R.T. -0.06 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB08A(6-12)RE

Tgt Ion:188 Resp: 364  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 9.0 13.4#  
 80 0.0 9.5 14.3#

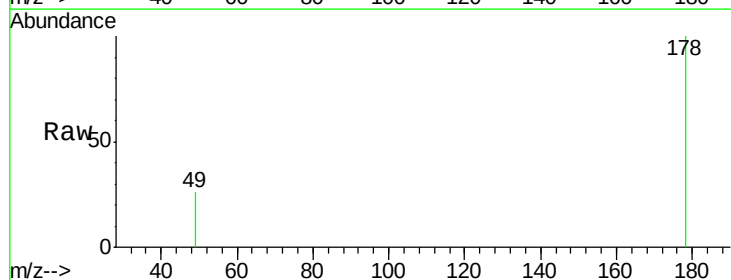


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

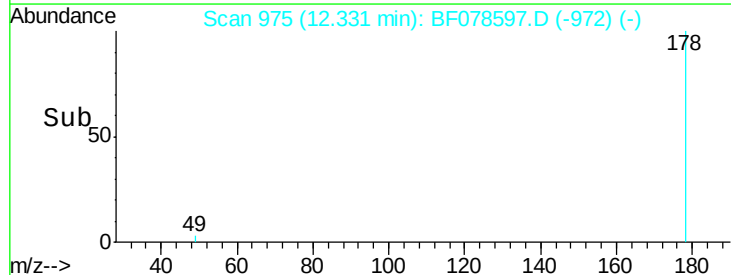
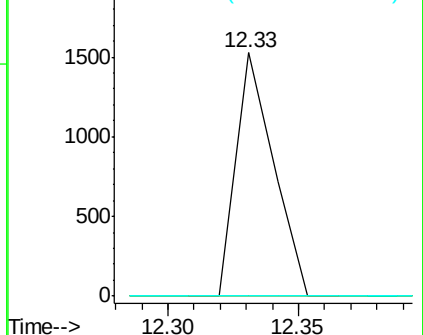


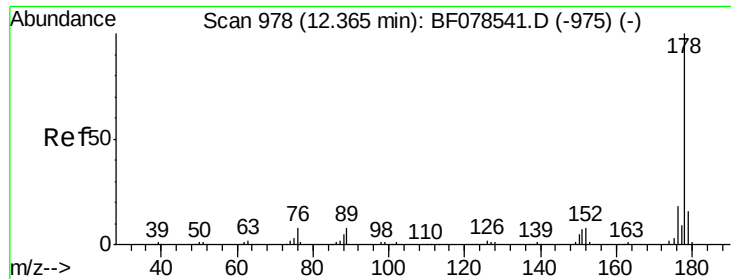
#70  
 Phenanthrene  
 Concen: 73.04 ng  
 RT: 12.33 min Scan# 975  
 Delta R.T. -0.07 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

Tgt Ion:178 Resp: 1538  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.4 23.0#  
 179 0.0 12.2 18.2#



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





#71

Anthracene

Concen: 74.18 ng

RT: 12.33 min Scan# 975

Delta R.T. -0.13 min

Lab File: BF078597.D

Acq: 17 Apr 2015 8:02

Instrument :

BNA\_F

ClientSampleId :

LS-SB08A(6-12)RE

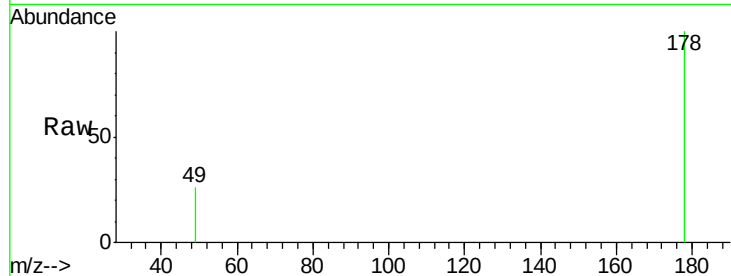
Tgt Ion:178 Resp: 1539

Ion Ratio Lower Upper

178 100

176 0.0 14.8 22.2#

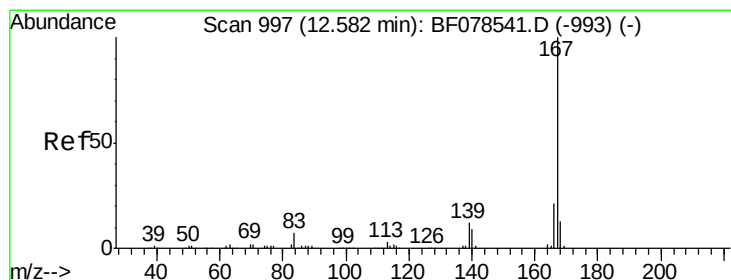
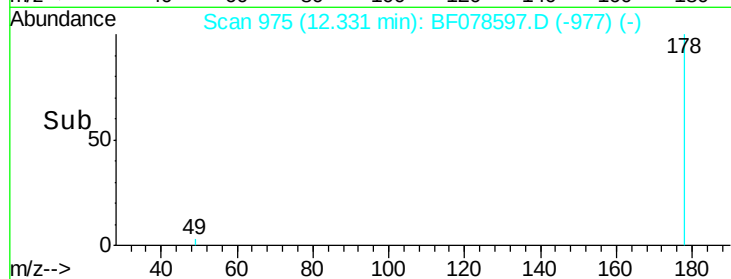
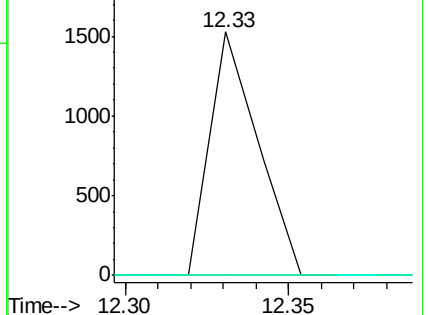
179 0.0 12.4 18.6#



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



#72

Carbazole

Concen: 34.35 ng

RT: 12.56 min Scan# 995

Delta R.T. -0.11 min

Lab File: BF078597.D

Acq: 17 Apr 2015 8:02

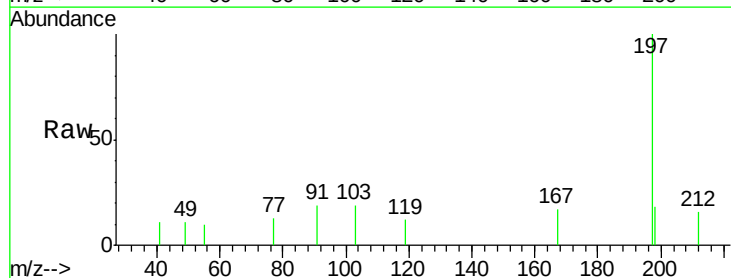
Tgt Ion:167 Resp: 668

Ion Ratio Lower Upper

167 100

166 0.0 16.8 25.2#

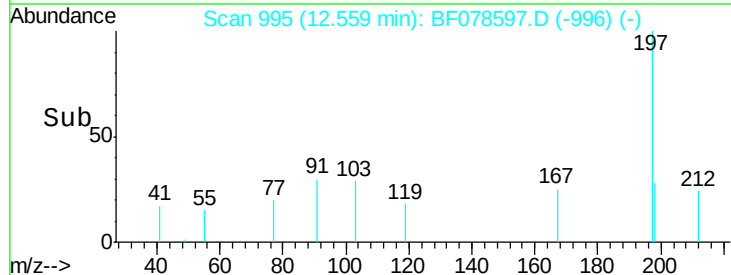
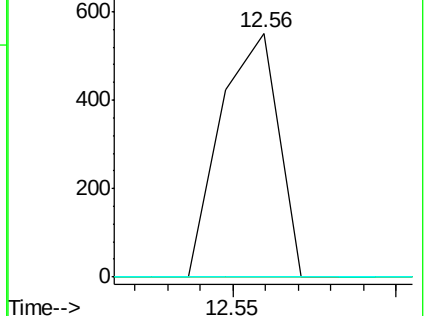
139 0.0 10.0 15.0#



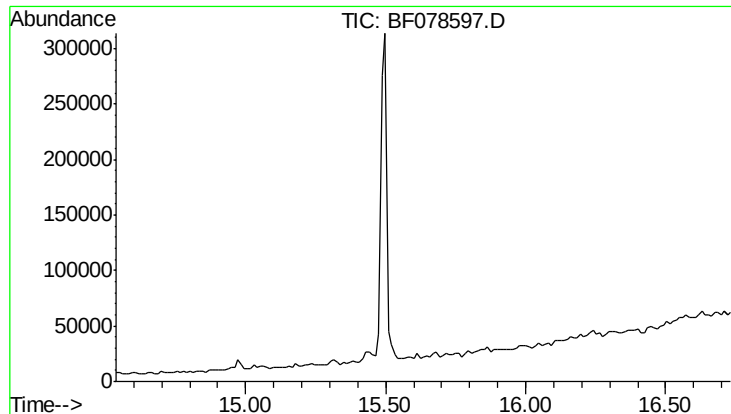
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



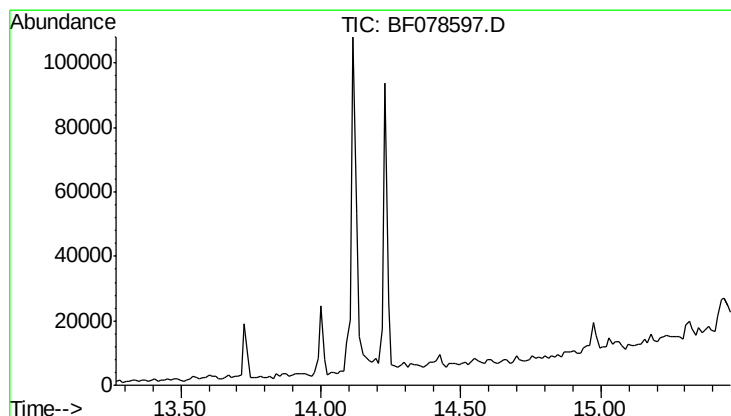
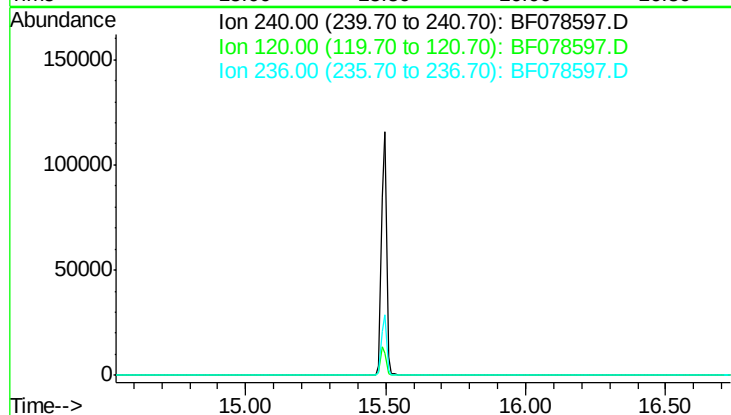




#75  
 Chrysene-d12  
 Concen: 0.00 ng  
 Expected RT: 15.63 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

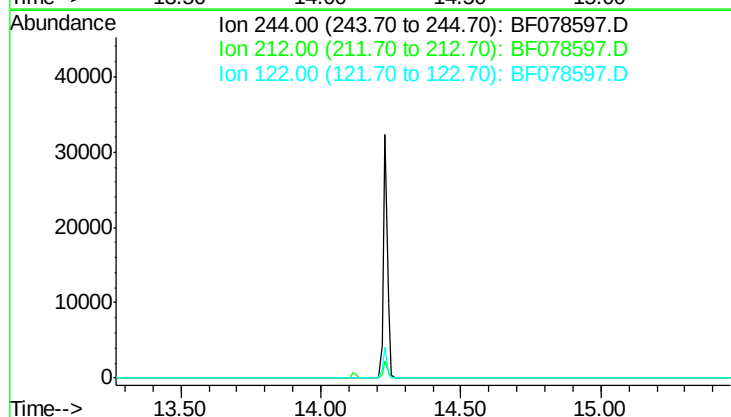
Instrument :  
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 LS-SB08A(6-12)RE

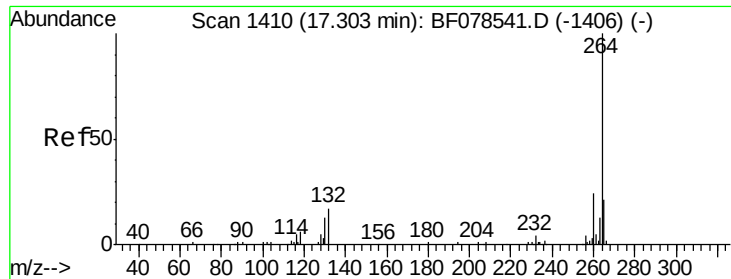
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 240     | 100       |
| 120     | 8.9       |
| 236     | 26.8      |



#78  
 Terphenyl-d14  
 Concen: 0.00 ng  
 Expected RT: 14.37 min  
 Lab File: BF078597.D  
 Acq: 17 Apr 2015 8:02

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 244     | 100       |
| 212     | 6.2       |
| 122     | 8.9       |





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.21 min Scan# 1402  
Delta R.T. -0.11 min  
Lab File: BF078597.D  
Acq: 17 Apr 2015 8:02

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB08A(6-12)RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.6  | 27.8  |
| 265     | 21.8  | 17.0  | 25.6  |

