

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032415\  
 Data File : BF077931.D  
 Acq On : 25 Mar 2015 2:40  
 Operator : TP/IZ  
 Sample : G1613-01 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 25 03:48:02 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 04:36:48 2015  
 Response via : Initial Calibration

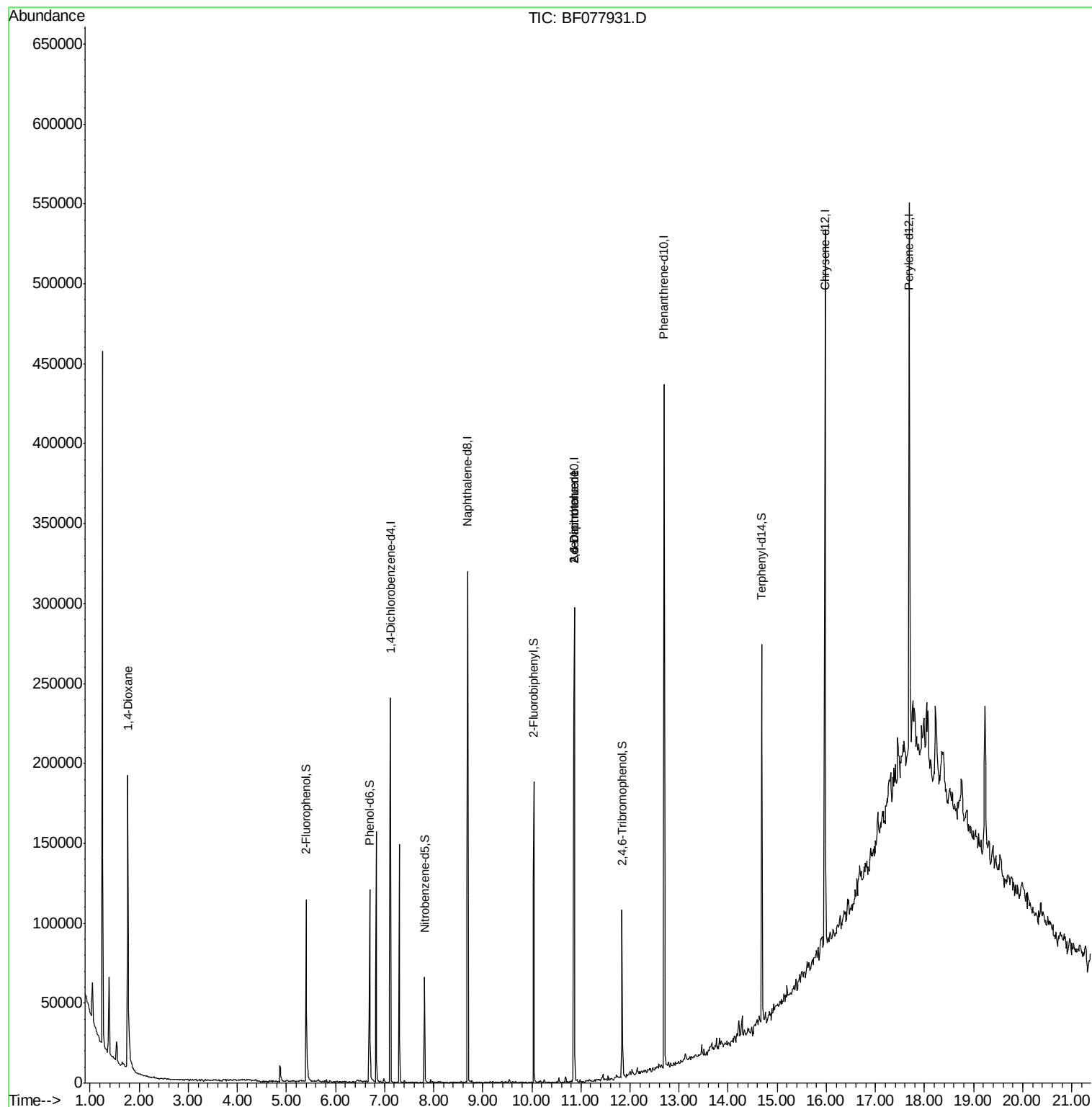
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.12  | 152  | 39120    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.69  | 136  | 163906   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.86 | 164  | 83761    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.69 | 188  | 169785   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 15.97 | 240  | 188496   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 17.69 | 264  | 175689   | 20.00 | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 43645    | 19.47 | ng    | 0.00     |
| 7) Phenol-d6                | 6.69  | 99   | 57114    | 20.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.81  | 82   | 29952    | 11.98 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.84 | 330  | 12747    | 15.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.04 | 172  | 83120    | 14.58 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.68 | 244  | 102463   | 13.28 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 2) 1,4-Dioxane              | 1.77  | 88   | 8270     | 8.13  | ng    | # 100    |
| 50) 2,6-Dinitrotoluene      | 10.86 | 165  | 10691    | 8.30  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene      | 10.86 | 165  | 10692    | 6.37  | ng    | # 11     |

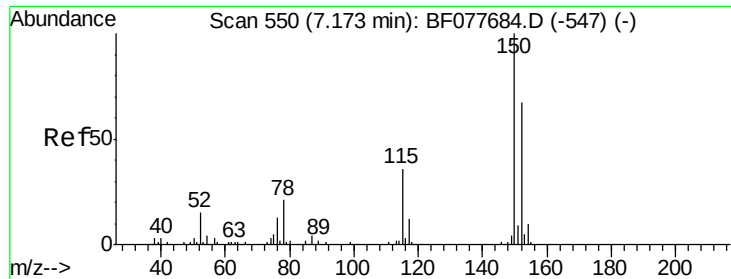
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032415\  
Data File : BF077931.D  
Acq On : 25 Mar 2015 2:40  
Operator : TP/IZ  
Sample : G1613-01 5X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 25 03:48:02 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 04:36:48 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.12 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

Instrument :

BNA\_F

ClientSampleId :

SB-1-1

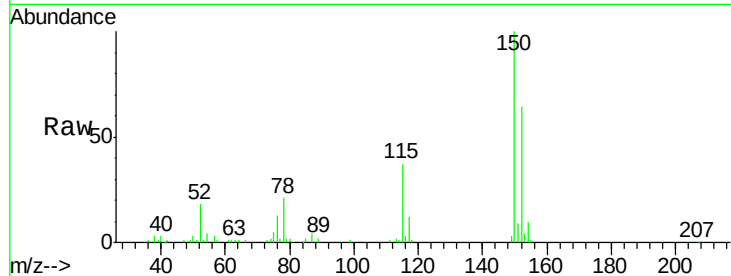
Tgt Ion:152 Resp: 39120

Ion Ratio Lower Upper

152 100

150 156.0 119.5 179.3

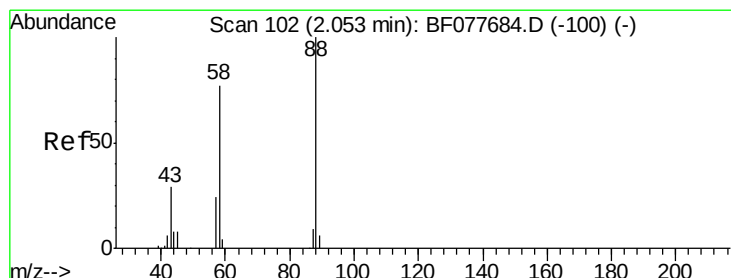
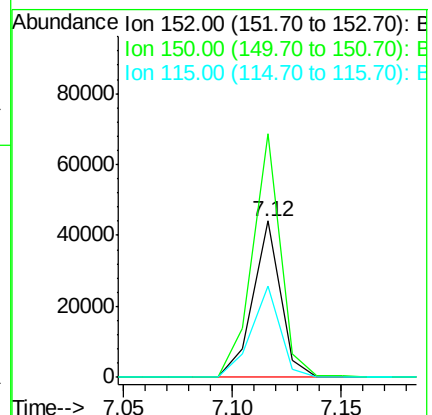
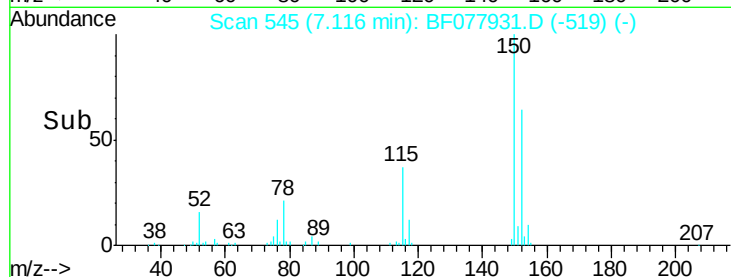
115 58.4 43.0 64.4



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



#2

1,4-Dioxane

Concen: 8.13 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.22 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

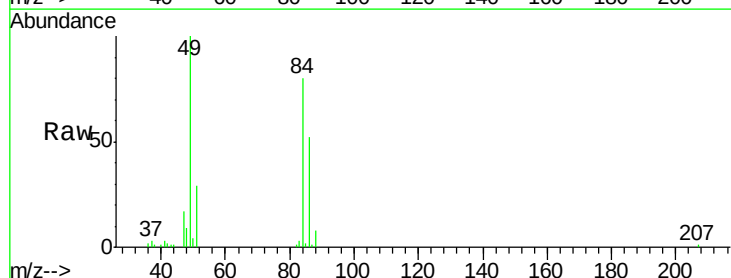
Tgt Ion: 88 Resp: 8270

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

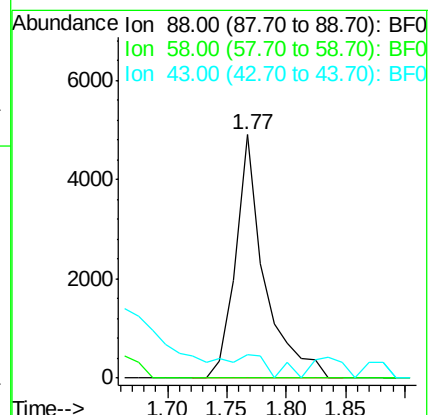
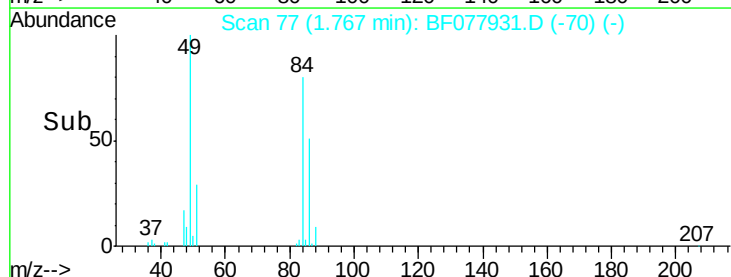
43 0.0 0.0 0.0

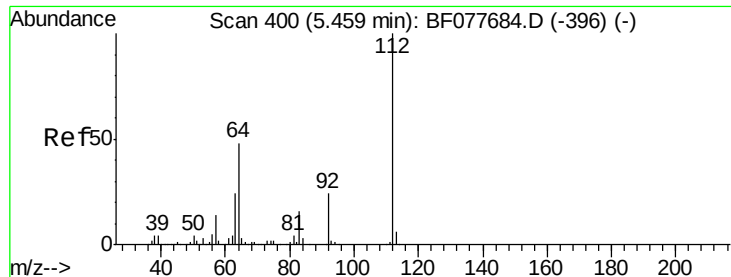


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 19.47 ng

RT: 5.40 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

Instrument :

BNA\_F

ClientSampleId :

SB-1-1

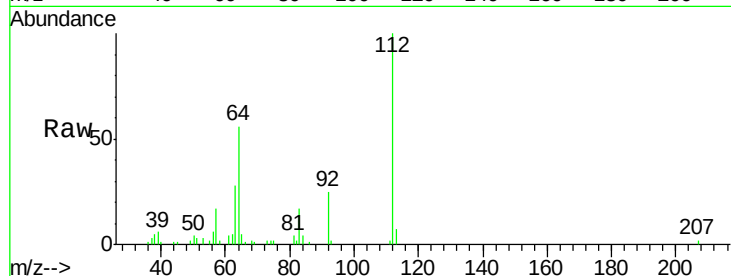
Tgt Ion: 112 Resp: 43645

Ion Ratio Lower Upper

112 100

64 55.8 38.6 57.8

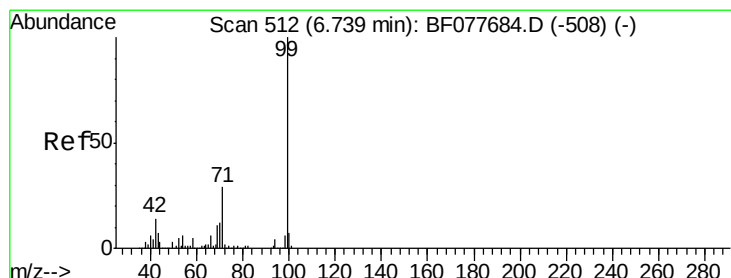
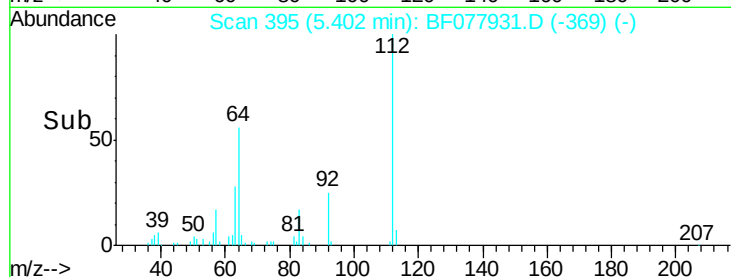
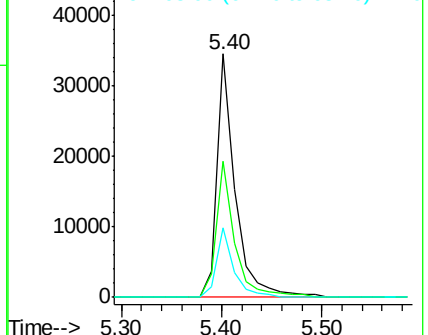
63 28.5 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 20.63 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

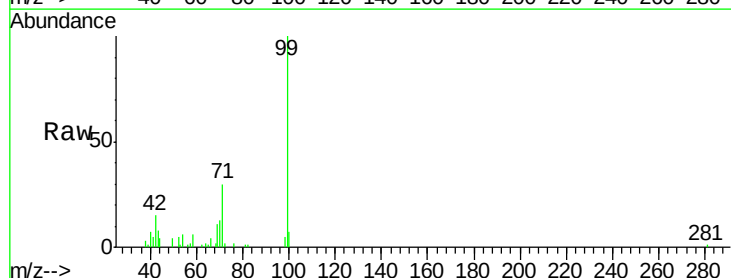
Tgt Ion: 99 Resp: 57114

Ion Ratio Lower Upper

99 100

42 14.9 11.0 16.4

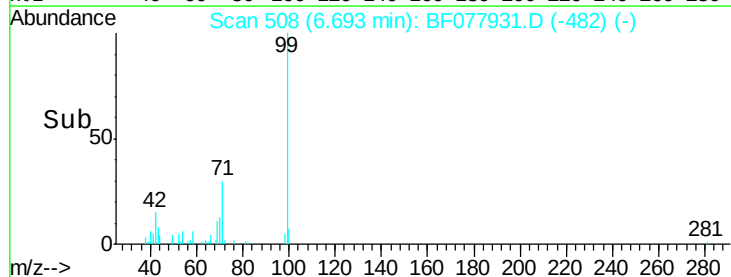
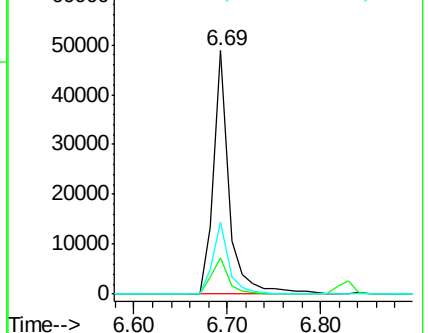
71 29.7 23.4 35.2

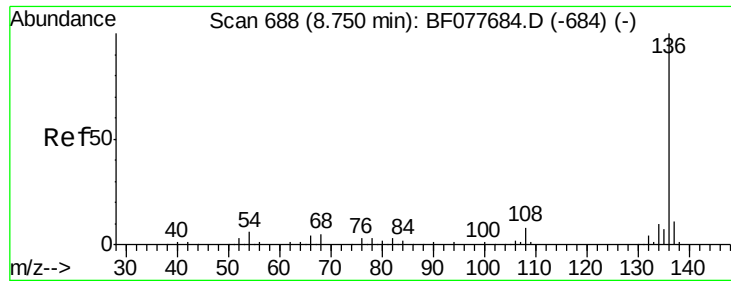


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

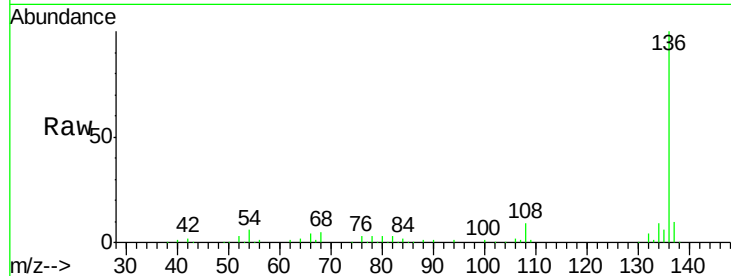




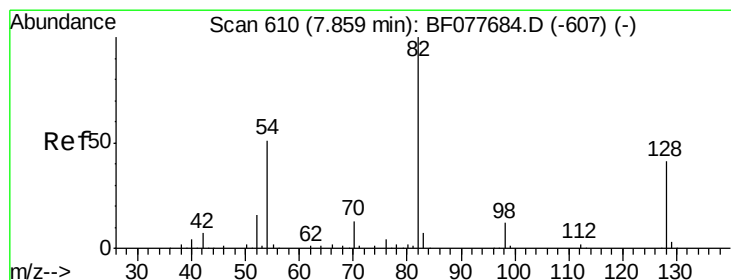
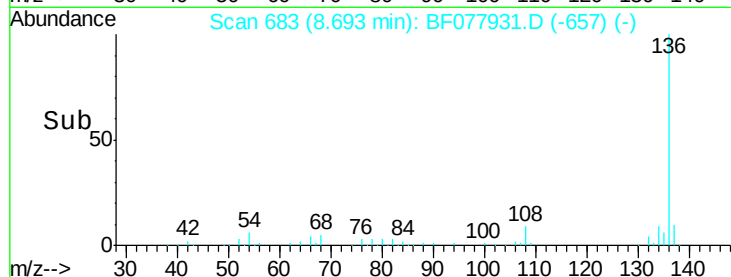
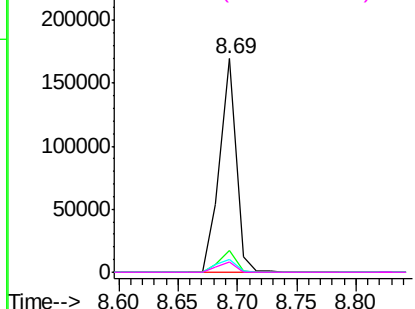
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.69 min Scan# 683  
Delta R.T. 0.00 min  
Lab File: BF077931.D  
Acq: 25 Mar 2015 2:40

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

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 163906 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.7   | 13.1   |
| 54       | 5.9   | 4.6   | 6.8    |
| 68       | 4.8   | 3.7   | 5.5    |

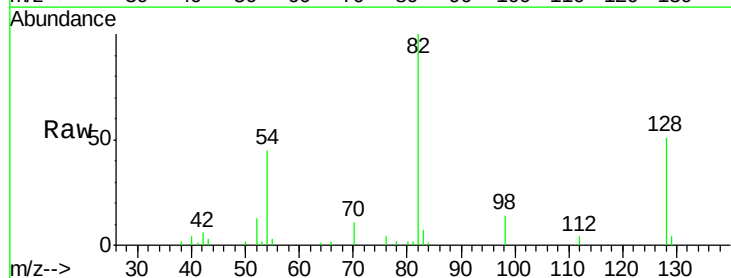


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

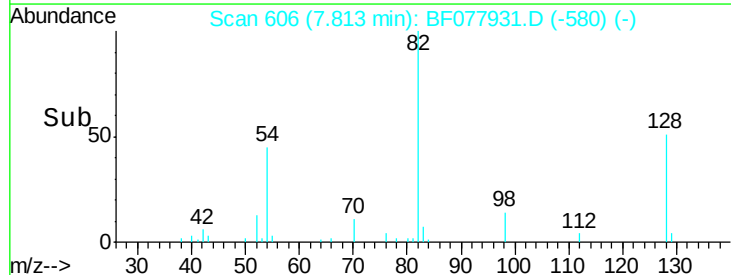
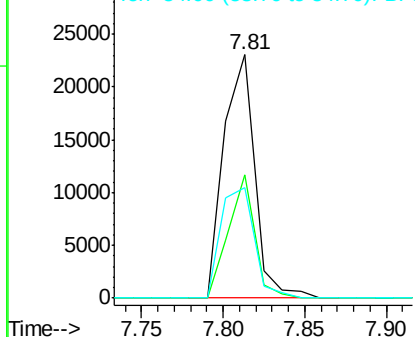


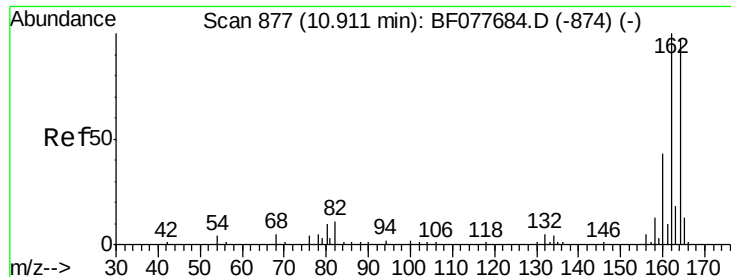
#23  
Nitrobenzene-d5  
Concen: 11.98 ng  
RT: 7.81 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: BF077931.D  
Acq: 25 Mar 2015 2:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 29952 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 50.7  | 32.8  | 49.2# |
| 54       | 45.3  | 40.6  | 60.8  |



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

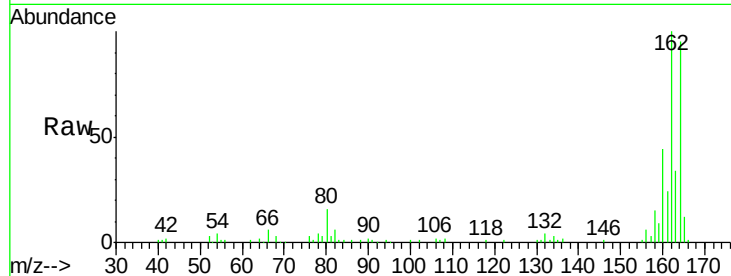




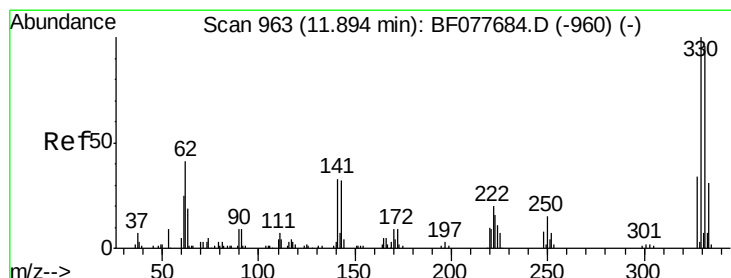
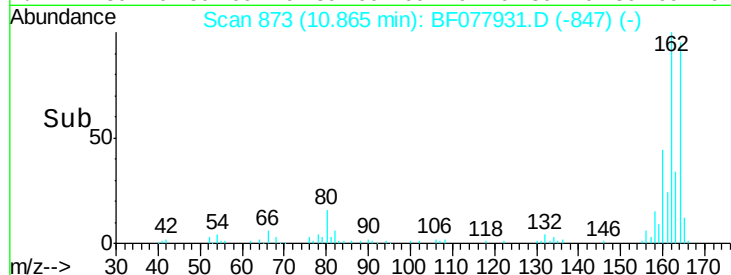
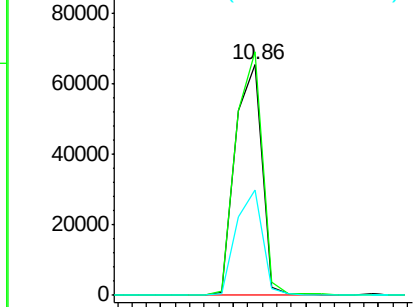
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.86 min Scan# 873  
 Delta R.T. 0.00 min  
 Lab File: BF077931.D  
 Acq: 25 Mar 2015 2:40

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

Tgt Ion:164 Resp: 83761  
 Ion Ratio Lower Upper  
 164 100  
 162 105.7 82.4 123.6  
 160 46.0 35.8 53.6

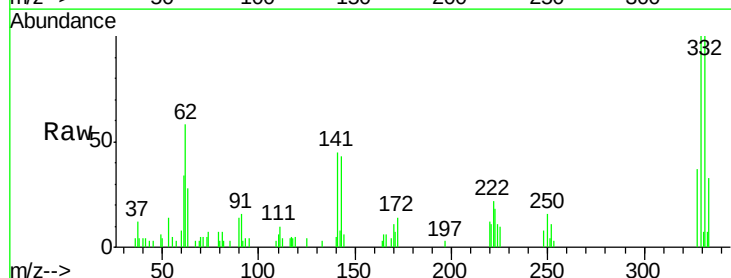


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

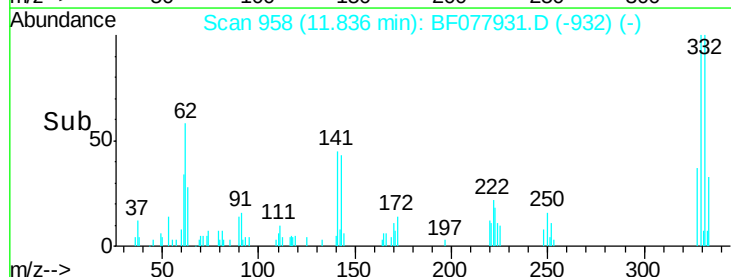
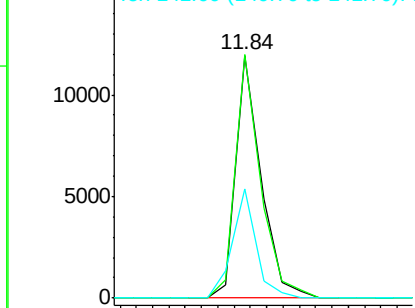


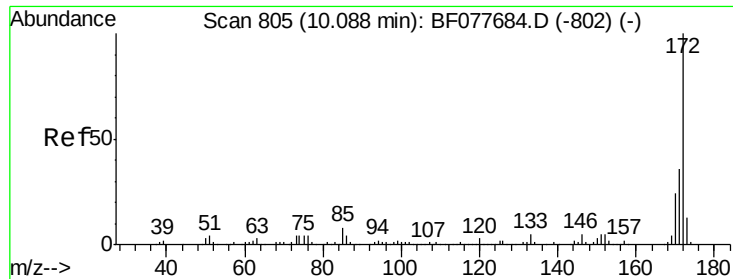
#41  
 2,4,6-Tribromophenol  
 Concen: 15.91 ng  
 RT: 11.84 min Scan# 958  
 Delta R.T. 0.00 min  
 Lab File: BF077931.D  
 Acq: 25 Mar 2015 2:40

Tgt Ion:330 Resp: 12747  
 Ion Ratio Lower Upper  
 330 100  
 332 99.6 0.0 0.0#  
 141 42.1 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

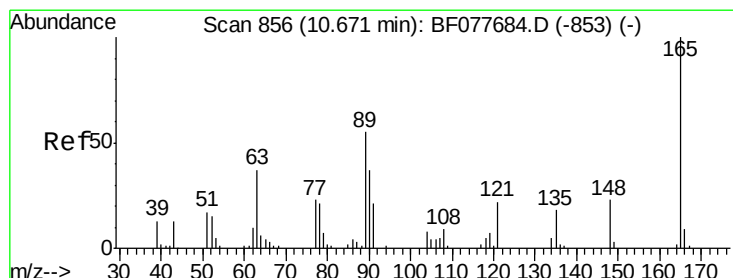
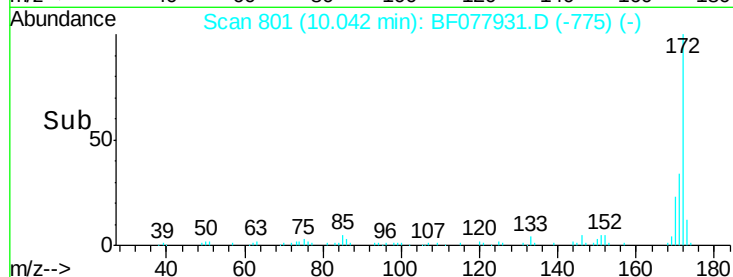
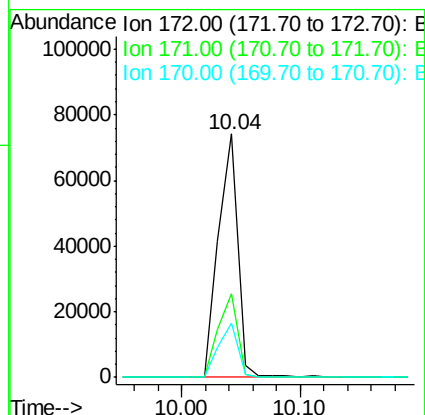
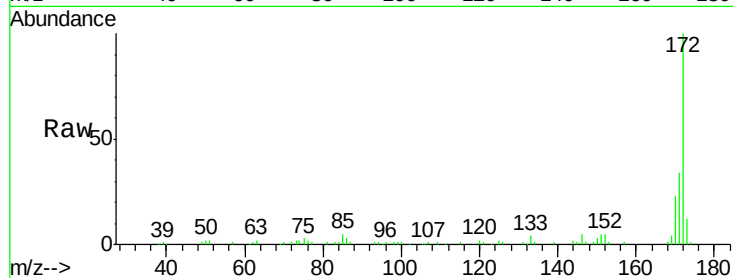




#44  
 2-Fluorobiphenyl  
 Concen: 14.58 ng  
 RT: 10.04 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF077931.D  
 Acq: 25 Mar 2015 2:40

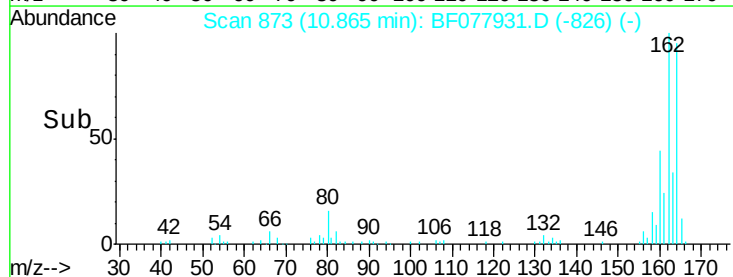
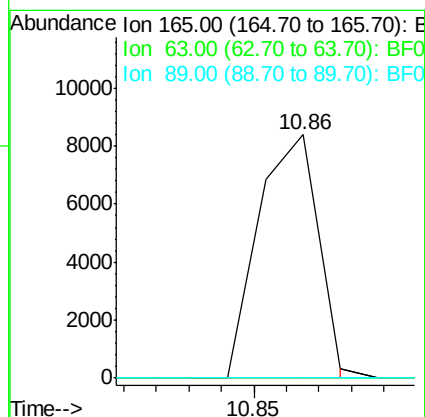
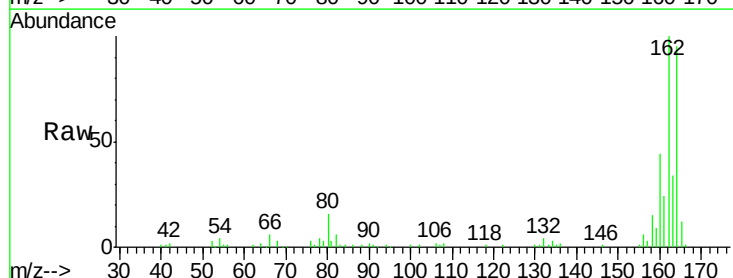
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1-1

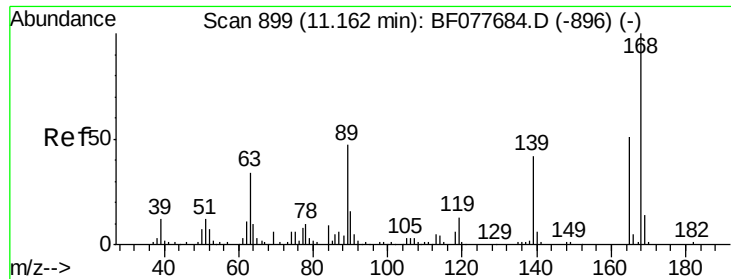
Tgt Ion:172 Resp: 83120  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.5 42.7  
 170 22.5 18.8 28.2



#50  
 2,6-Dinitrotoluene  
 Concen: 8.30 ng  
 RT: 10.86 min Scan# 873  
 Delta R.T. 0.24 min  
 Lab File: BF077931.D  
 Acq: 25 Mar 2015 2:40

Tgt Ion:165 Resp: 10691  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.1 66.1#  
 89 0.0 44.3 66.5#





#56

2,4-Dinitrotoluene

Concen: 6.37 ng

RT: 10.86 min Scan# 873

Delta R.T. -0.25 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

Instrument :

BNA\_F

ClientSampleId :

SB-1-1

Tgt Ion:165 Resp: 10692

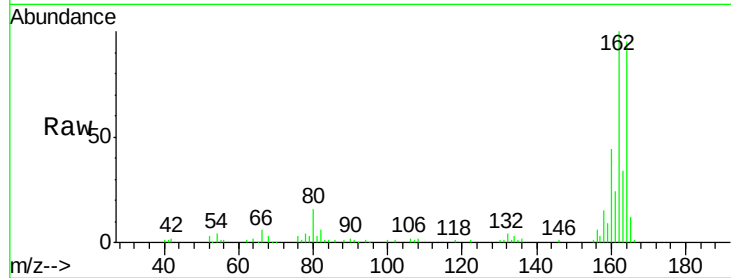
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

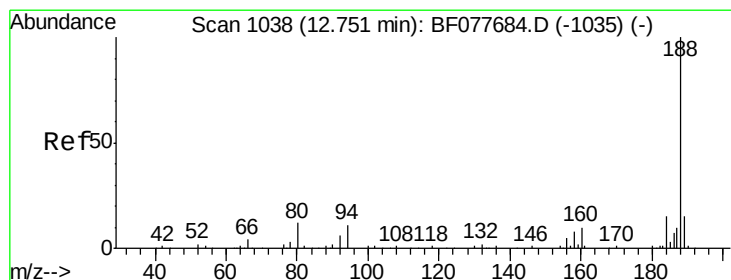
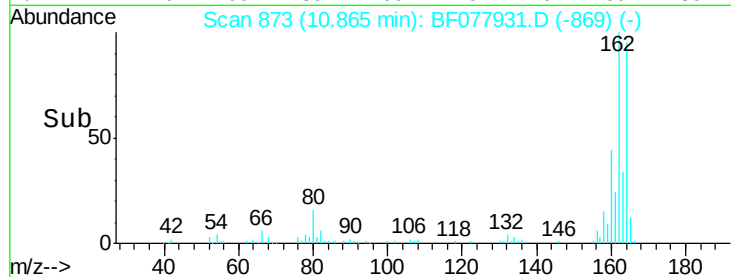
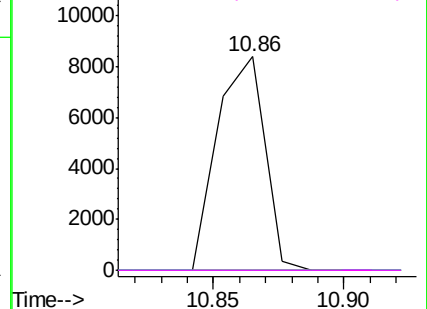


Abundance Ion 165.00 (164.70 to 165.70): E

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: 12.69 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

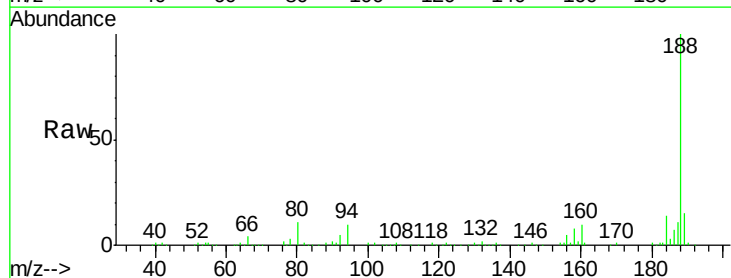
Tgt Ion:188 Resp: 169785

Ion Ratio Lower Upper

188 100

94 9.7 8.7 13.1

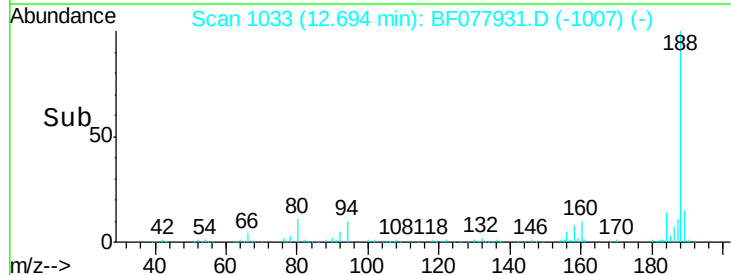
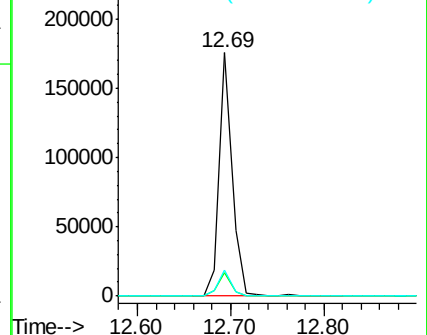
80 10.5 9.3 13.9



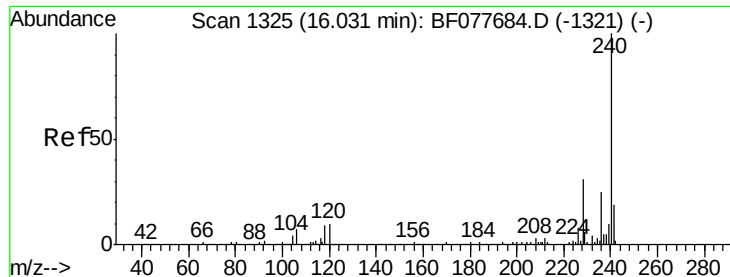
Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.97 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

Instrument :

BNA\_F

ClientSampleId :

SB-1-1

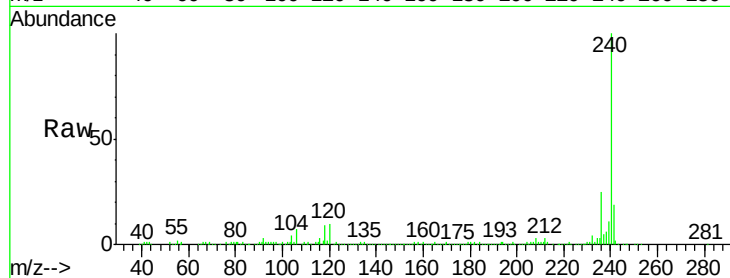
Tgt Ion:240 Resp: 188496

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

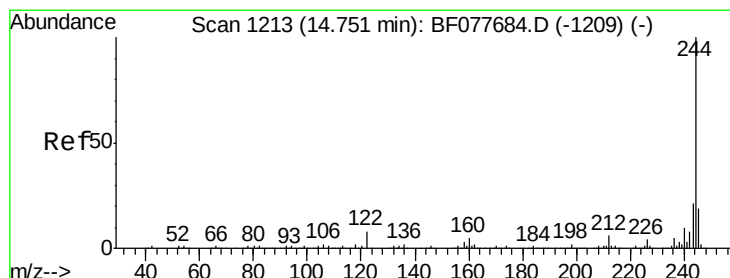
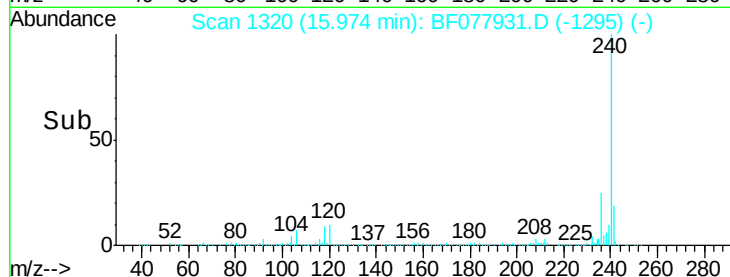
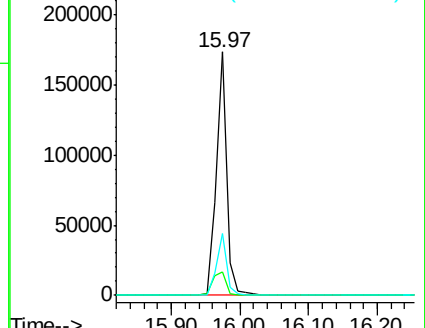
236 25.2 20.0 30.0



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: 13.28 ng

RT: 14.68 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF077931.D

Acq: 25 Mar 2015 2:40

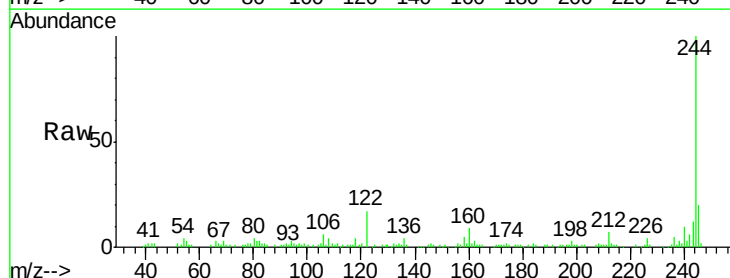
Tgt Ion:244 Resp: 102463

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3

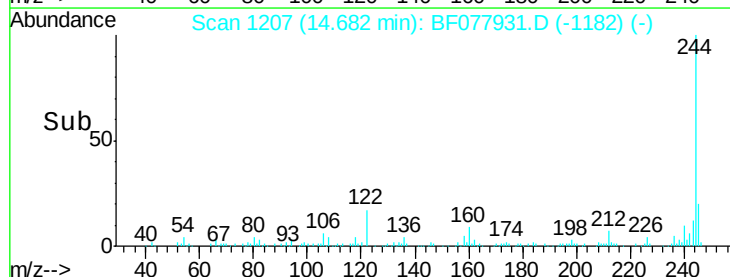
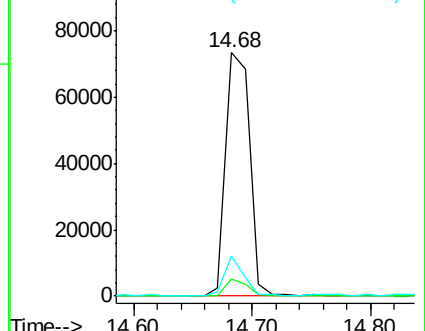
122 16.7 6.2 9.4#

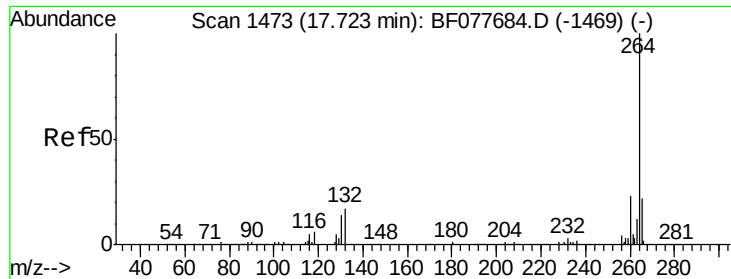


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.69 min Scan# 1470  
Delta R.T. -0.06 min  
Lab File: BF077931.D  
Acq: 25 Mar 2015 2:40

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

Tgt Ion: 264 Resp: 175689  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.6 27.8  
265 22.8 17.3 25.9

