

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\  
 Data File : BF104802.D  
 Acq On : 25 Apr 2018 21:15  
 Operator : JU/SJ  
 Sample : J2510-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FADW4710L

Quant Time: Apr 26 12:11:13 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 25 14:01:50 2018  
 Response via : Initial Calibration

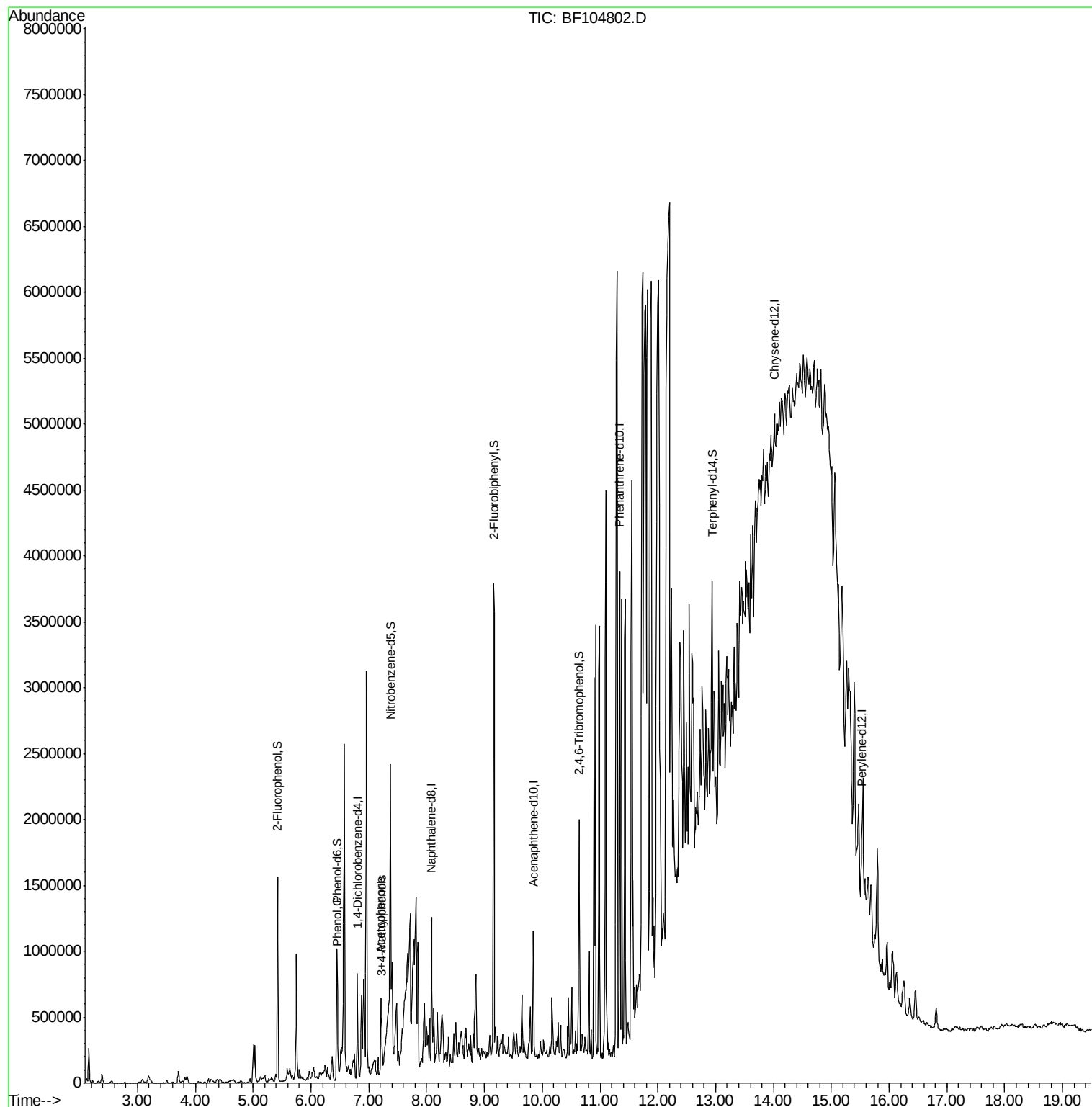
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 111022   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 422846   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 163885   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 185860   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.00 | 240  | 76260    | 20.00  | ng    | 0.02     |
| 86) Perylene-d12            | 15.52 | 264  | 131186   | 20.00  | ng    | 0.06     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 485360   | 66.85  | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 402446   | 45.11  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 677217   | 104.58 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 191489   | 112.64 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1114843  | 107.46 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.94 | 244  | 653718   | 195.43 | ng    | 0.02     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.46  | 94   | 29185    | 3.083  | ng    | 95       |
| 20) 3+4-Methylphenols       | 7.23  | 107  | 88005    | 10.652 | ng    | 86       |
| 22) Acetophenone            | 7.21  | 105  | 159846   | 15.355 | ng    | # 94     |

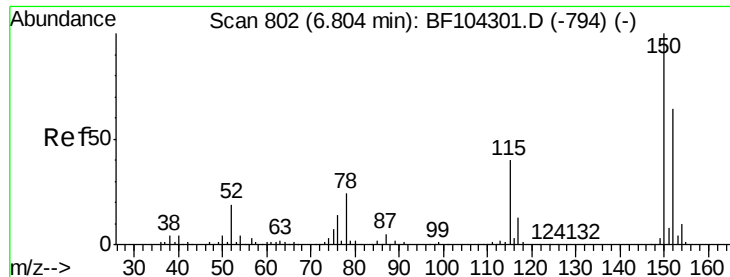
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\  
Data File : BF104802.D  
Acq On : 25 Apr 2018 21:15  
Operator : JU/SJ  
Sample : J2510-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FADW4710L

Quant Time: Apr 26 12:11:13 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 25 14:01:50 2018  
Response via : Initial Calibration



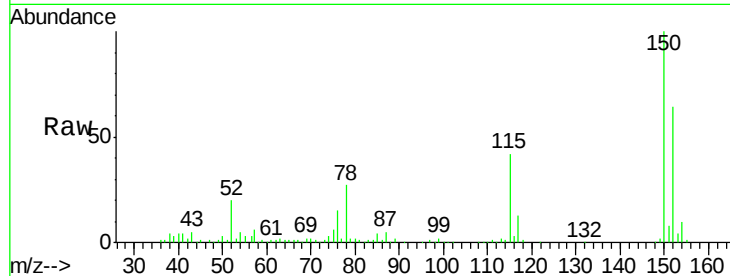


#1

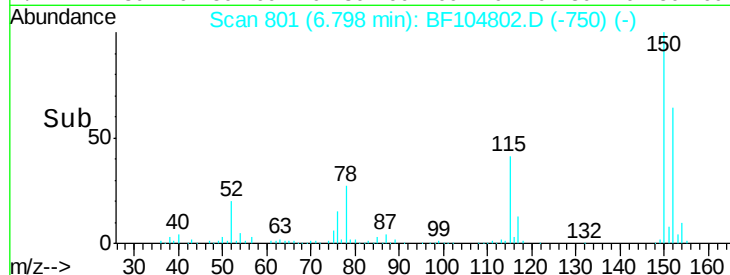
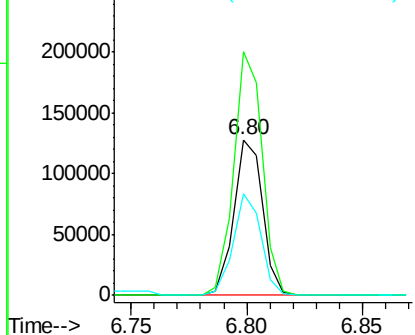
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: BF104802.D  
Acq: 25 Apr 2018 21:15

Instrument :  
BNA\_F  
ClientSampleId :  
FADW4710L

Tot Ion:152 Resp: 111022  
Ion Ratio Lower Upper  
152 100  
150 156.6 124.6 186.8  
115 65.0 50.1 75.1



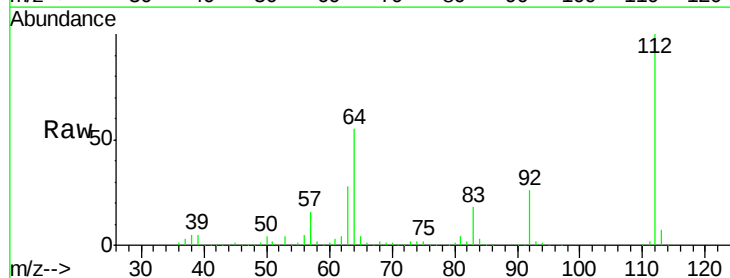
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



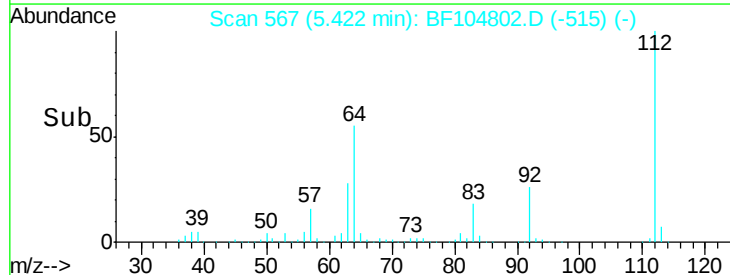
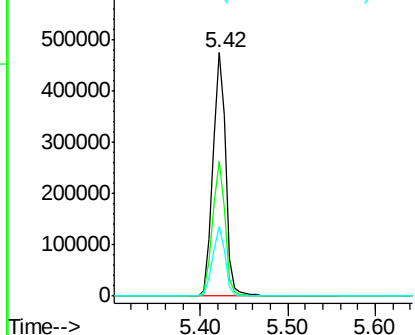
#5

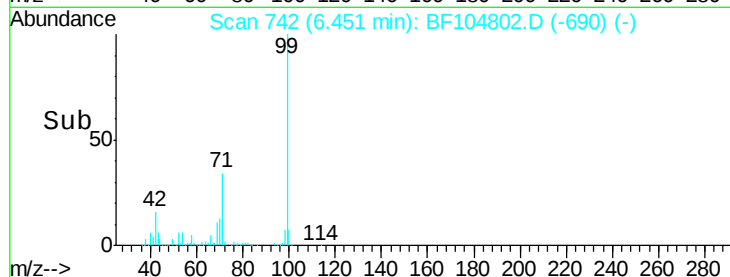
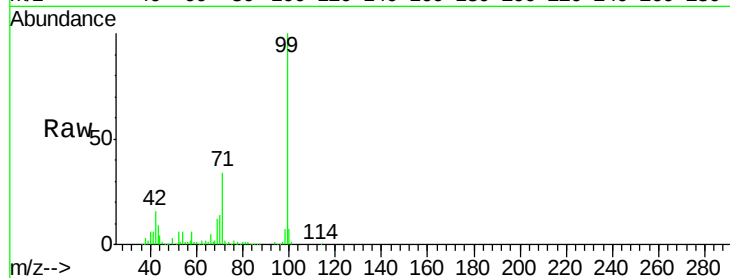
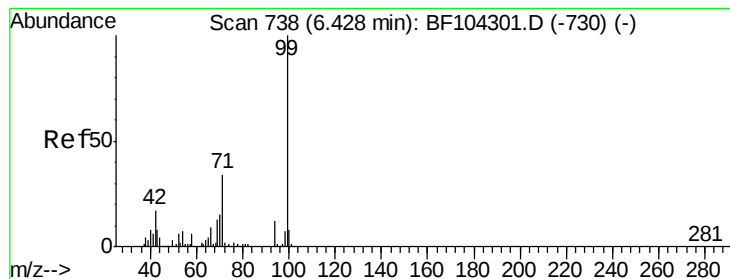
2-Fluorophenol  
Concen: 66.846 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF104802.D  
Acq: 25 Apr 2018 21:15

Tgt Ion:112 Resp: 485360  
Ion Ratio Lower Upper  
112 100  
64 55.3 47.9 71.9  
63 28.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 45.111 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA\_F

ClientSampleId :

FADW4710L

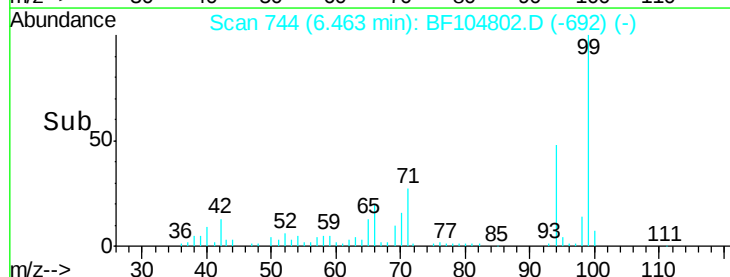
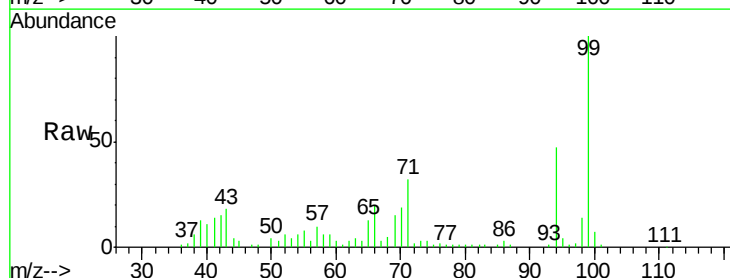
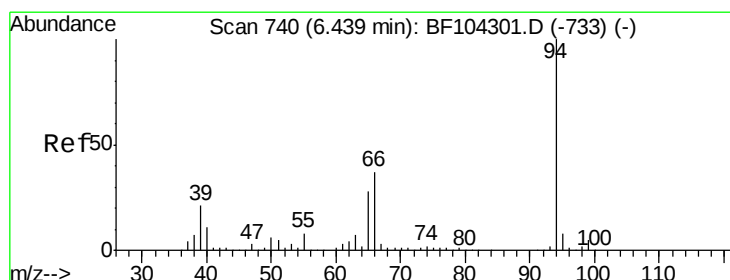
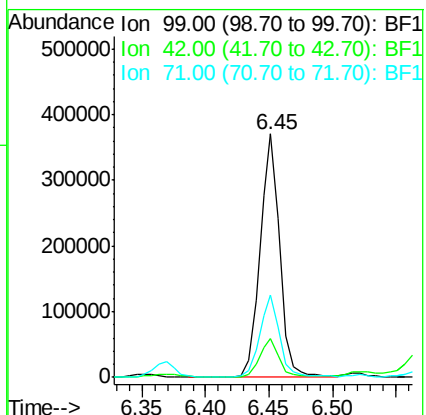
Tot Ion: 99 Resp: 402446

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 3.083 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

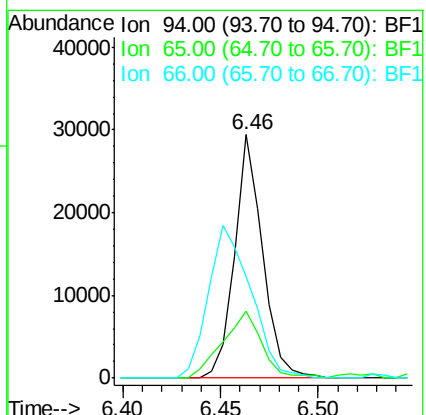
Tgt Ion: 94 Resp: 29185

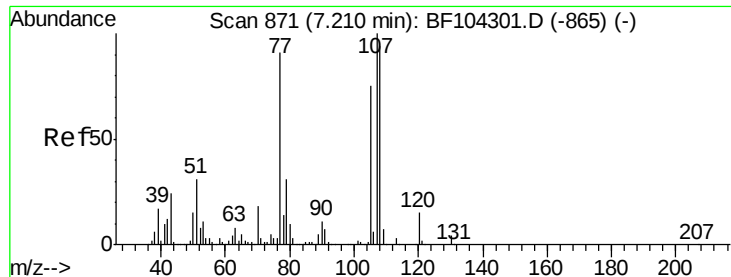
Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 41.7 16.2 56.2





#20

3+4-Methylphenols

Concen: 10.652 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA\_F

ClientSampleId :

FADW4710L

Tot Ion:107 Resp: 88005

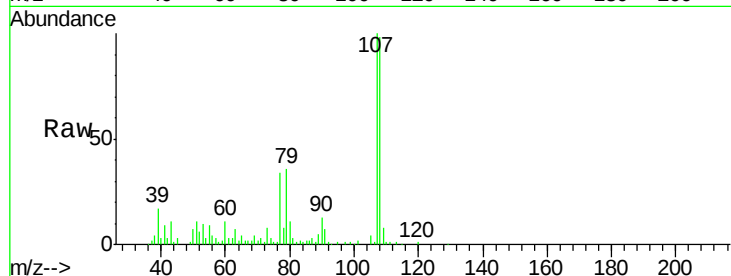
Ion Ratio Lower Upper

107 100

108 97.8 68.2 108.2

77 33.9 26.7 66.7

79 35.6 6.3 46.3

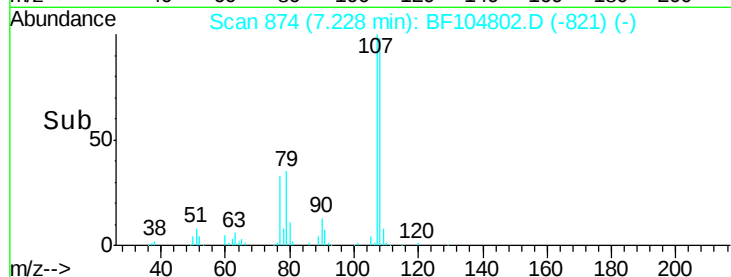


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

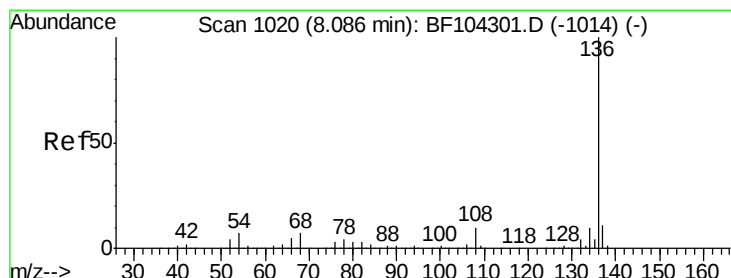
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->

7.15 7.20 7.25 7.30 7.35



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Tgt Ion:136 Resp: 422846

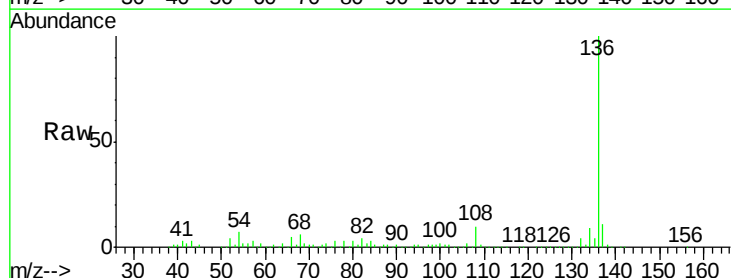
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.7 5.0 7.4

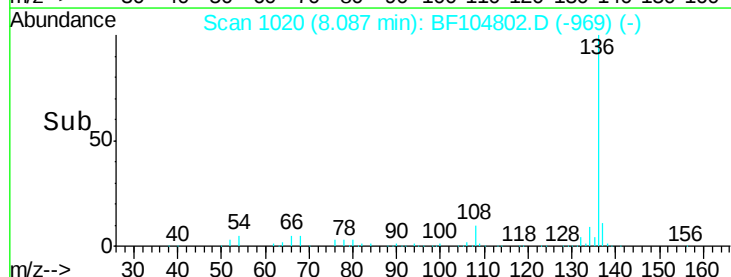


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

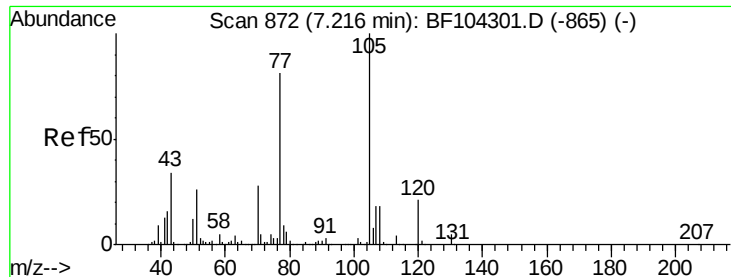
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

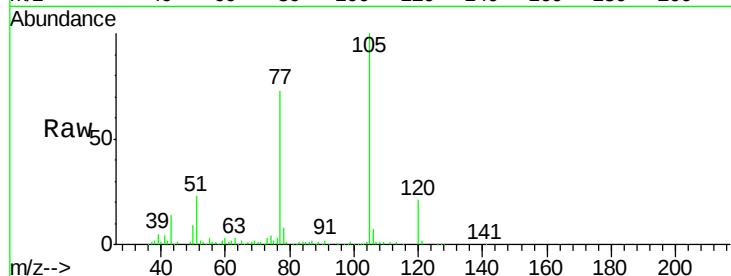
8.00 8.10 8.20



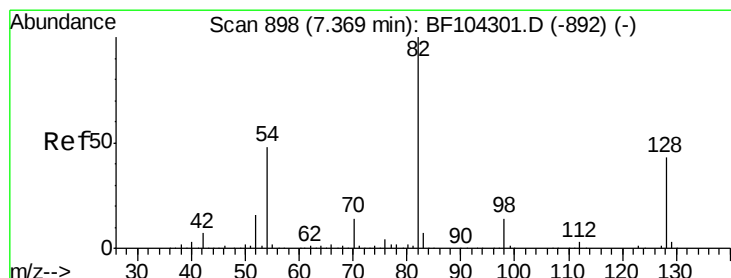
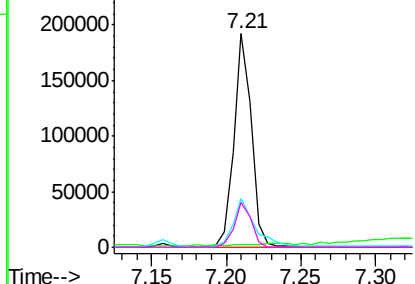
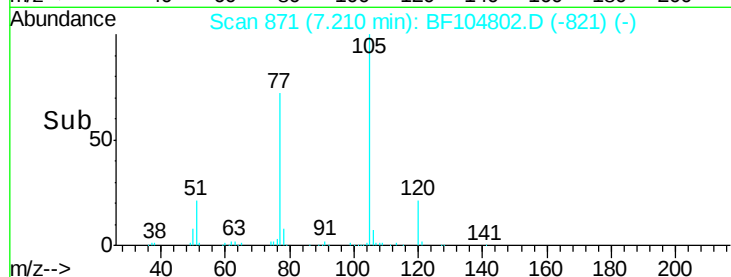
#22  
Acetophenone  
Concen: 15.355 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF104802.D  
Acq: 25 Apr 2018 21:15

Instrument :  
BNA\_F  
ClientSampleId :  
FADW4710L

Tot Ion:105 Resp: 159846  
Ion Ratio Lower Upper  
105 100  
71 1.3 4.4 6.6#  
51 22.8 22.3 33.5  
120 21.0 16.9 25.3

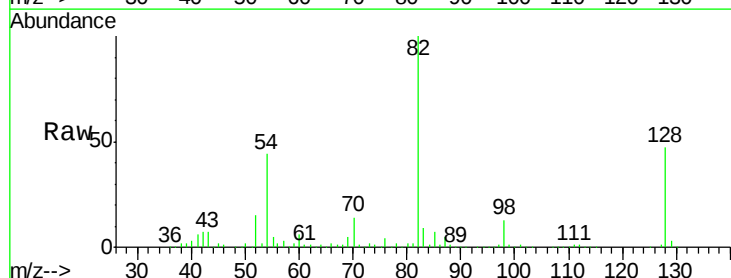


Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

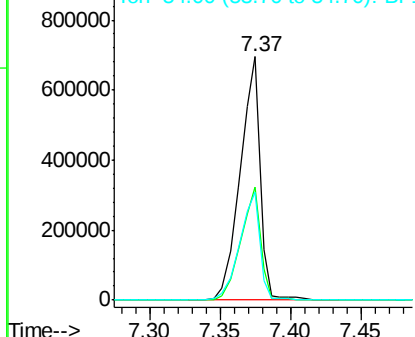
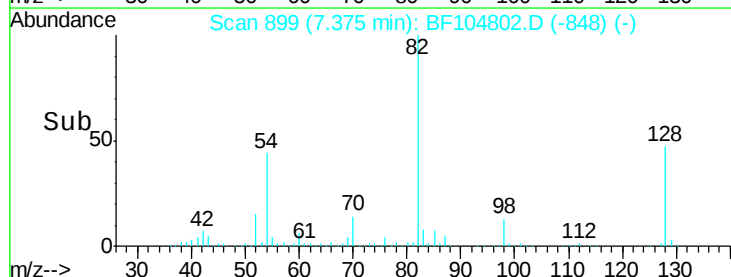


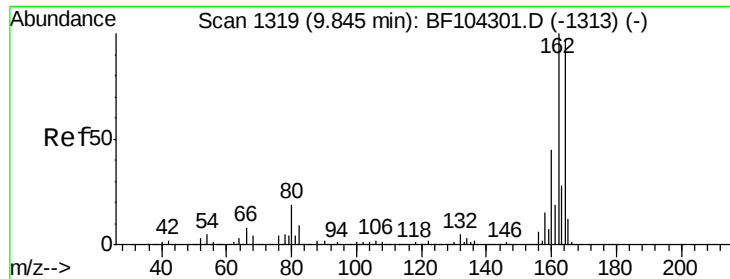
#23  
Nitrobenzene-d5  
Concen: 104.579 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: BF104802.D  
Acq: 25 Apr 2018 21:15

Tgt Ion: 82 Resp: 677217  
Ion Ratio Lower Upper  
82 100  
128 46.7 36.1 54.1  
54 44.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

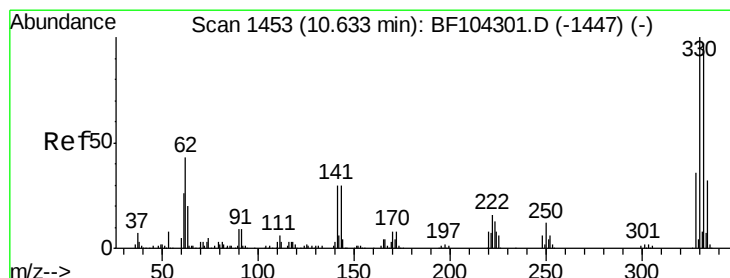
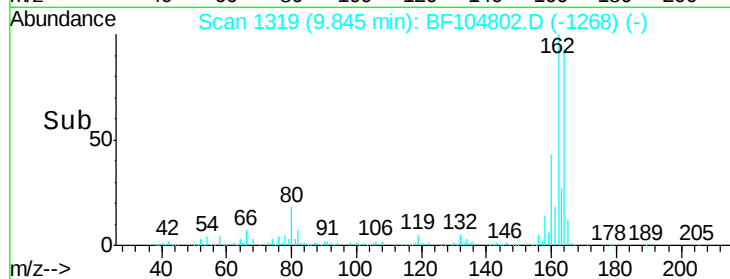
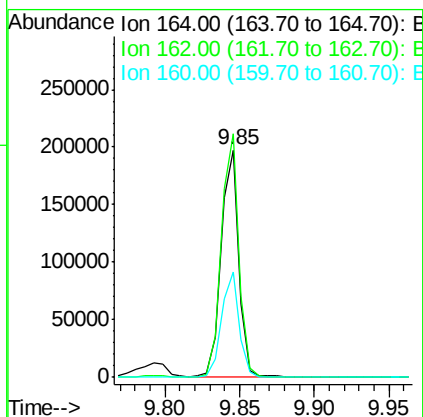
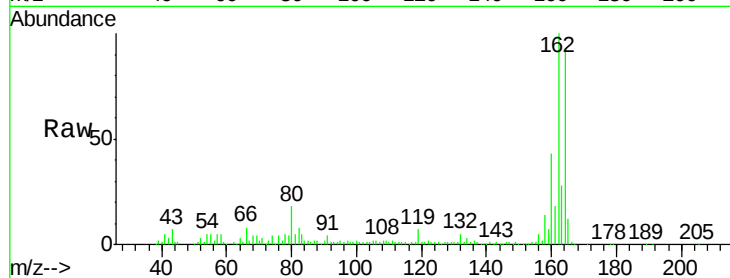




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.00 min  
 Lab File: BF104802.D  
 Acq: 25 Apr 2018 21:15

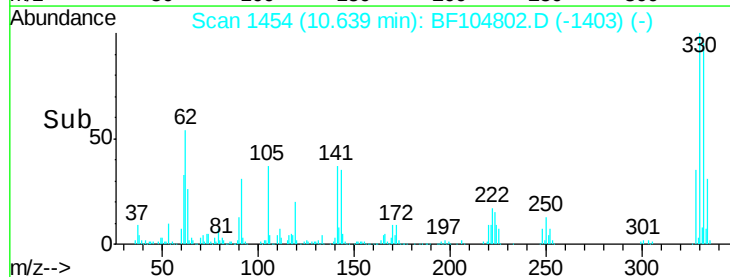
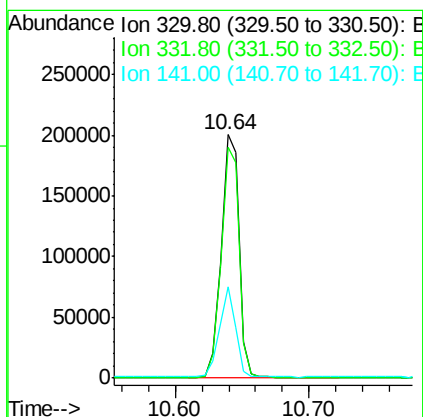
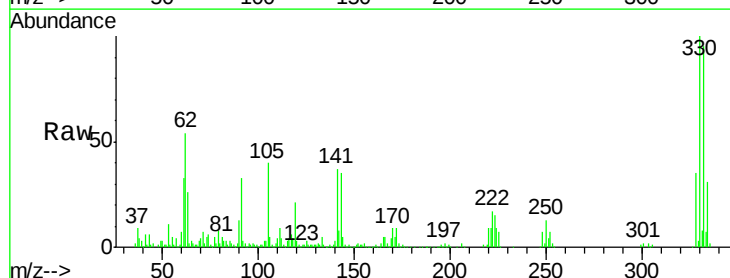
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FADW4710L

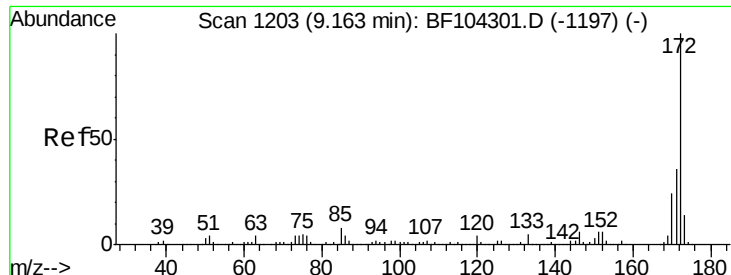
Tot Ion:164 Resp: 163885  
 Ion Ratio Lower Upper  
 164 100  
 162 107.1 86.1 129.1  
 160 46.2 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 112.639 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.00 min  
 Lab File: BF104802.D  
 Acq: 25 Apr 2018 21:15

Tgt Ion:330 Resp: 191489  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.0 115.6  
 141 32.8 29.9 44.9

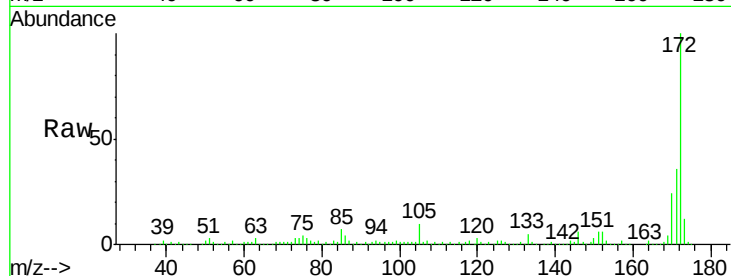




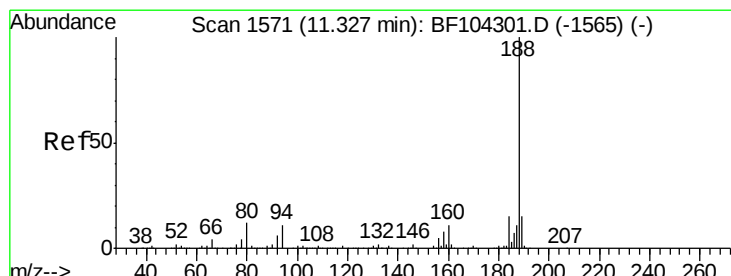
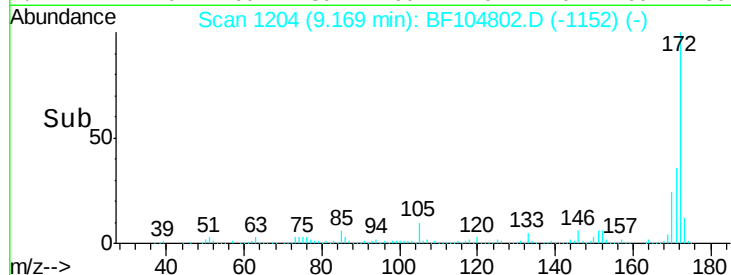
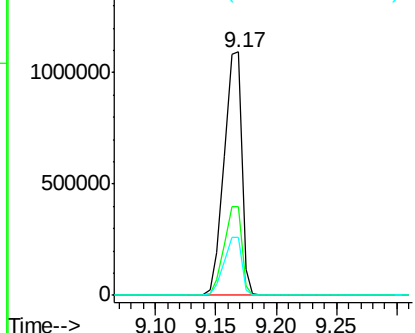
#44  
 2-Fluorobiphenyl  
 Concen: 107.464 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: BF104802.D  
 Acq: 25 Apr 2018 21:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FADW4710L

Tot Ion:172 Resp: 1114843  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 24.1 19.6 29.4

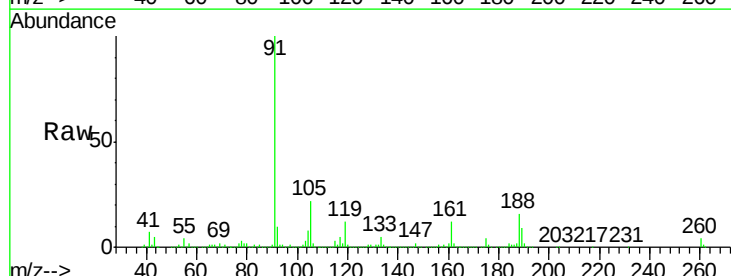


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

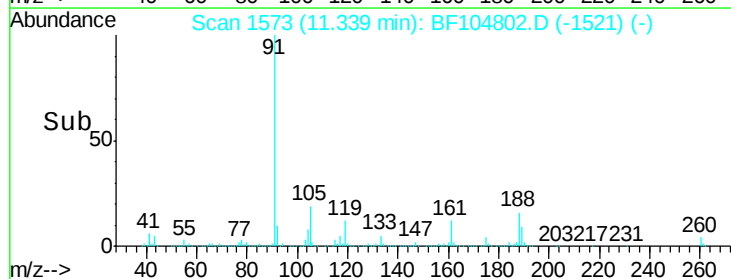
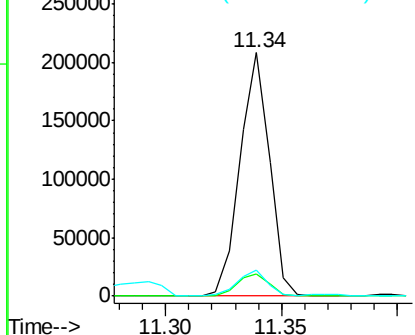


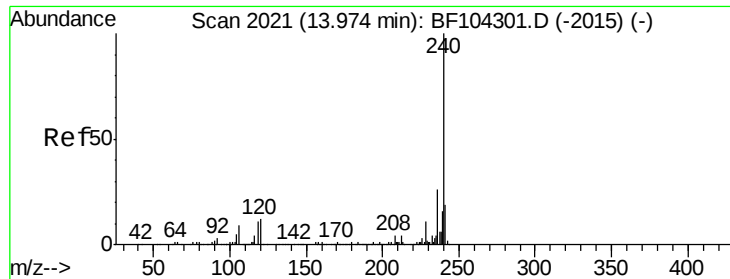
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.34 min Scan# 1573  
 Delta R.T. 0.01 min  
 Lab File: BF104802.D  
 Acq: 25 Apr 2018 21:15

Tgt Ion:188 Resp: 185860  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 8.5 12.7  
 80 10.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA\_F

ClientSampleId :

FADW4710L

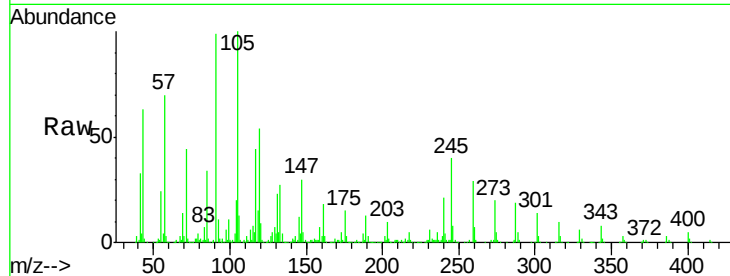
Tot Ion:240 Resp: 76260

Ion Ratio Lower Upper

240 100

120 44.6 9.5 14.3#

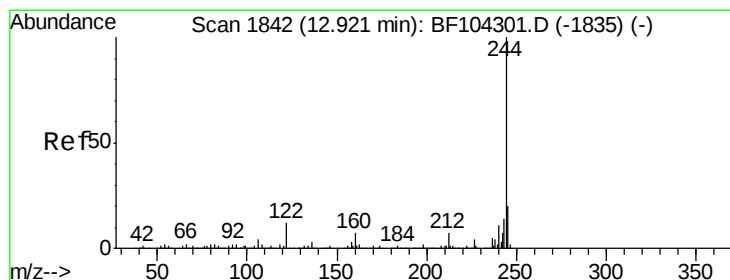
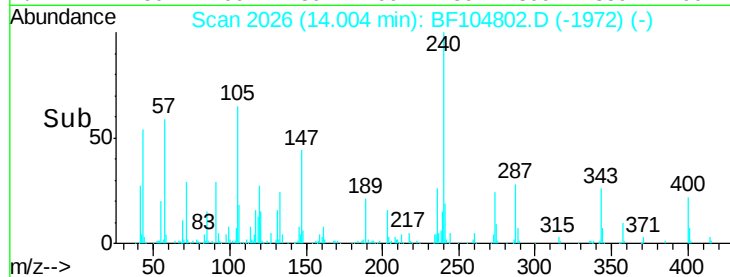
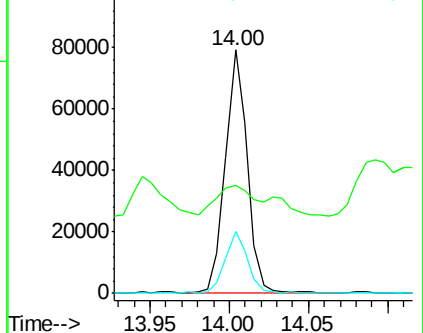
236 25.5 20.7 31.1



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: 195.432 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.02 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

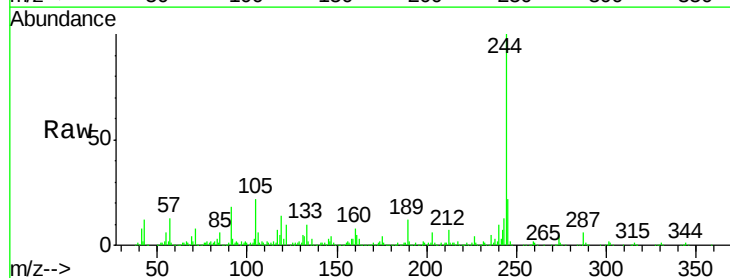
Tgt Ion:244 Resp: 653718

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

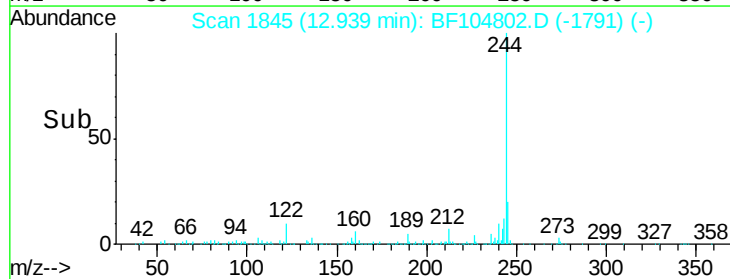
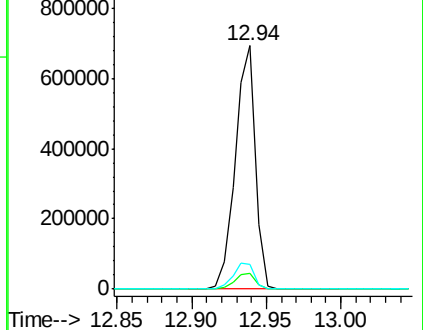
122 10.3 11.0 16.4#

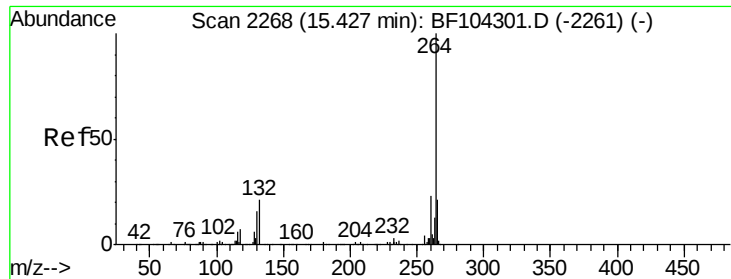


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2284  
 Delta R.T. 0.06 min  
 Lab File: BF104802.D  
 Acq: 25 Apr 2018 21:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FADW4710L

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 264     | 100  |       |       |       |
| 260     | 24.4 | 19.2  | 28.8  |       |
| 265     | 19.7 | 17.5  | 26.3  |       |

