

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\  
 Data File : BF107442.D  
 Acq On : 17 Jul 2018 12:00  
 Operator : JU/SJ  
 Sample : J3966-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11977

Quant Time: Jul 17 13:39:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 11:29:08 2018  
 Response via : Initial Calibration

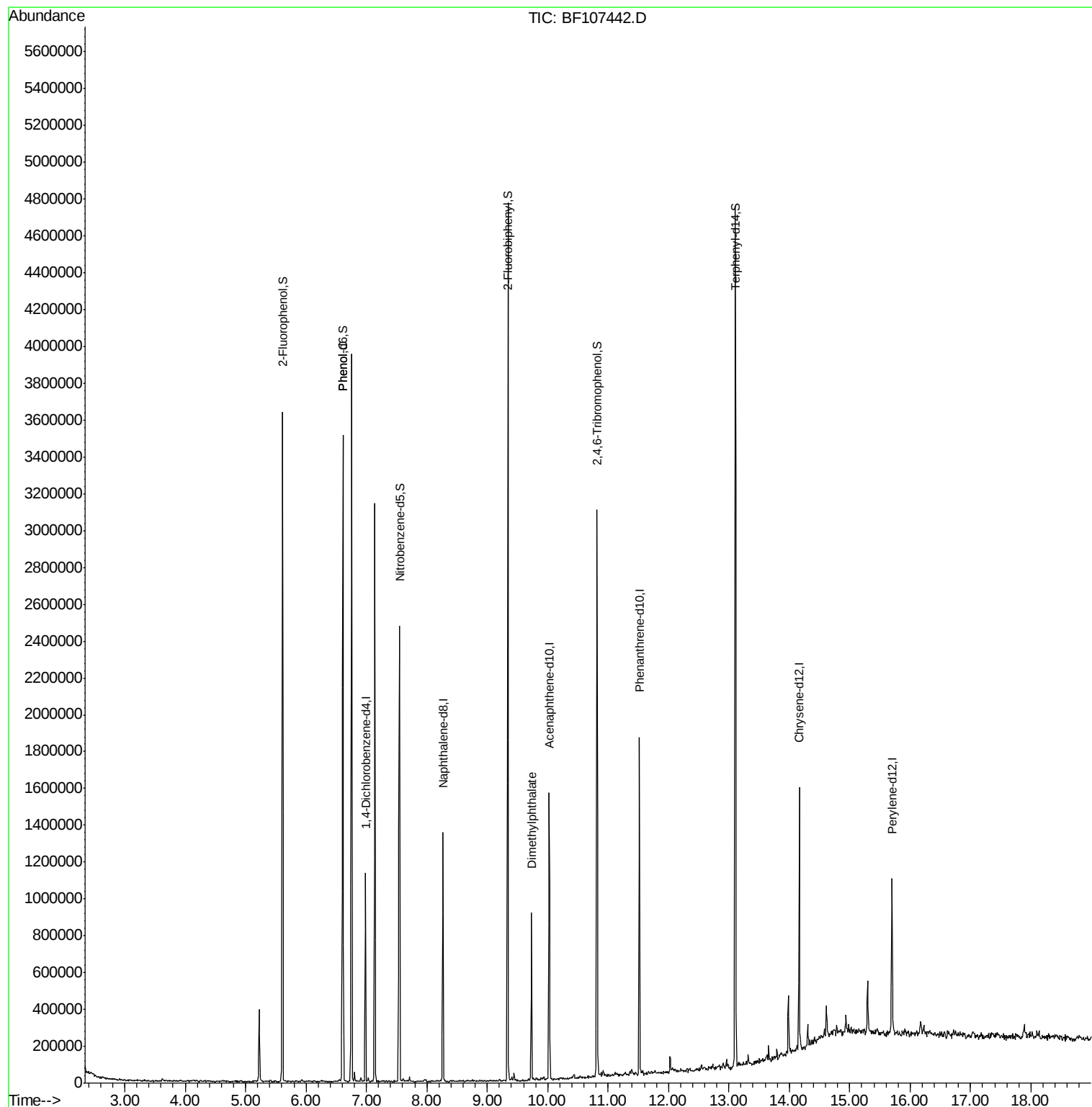
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 128032   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.27  | 136  | 476265   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 257401   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.52 | 188  | 559044   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.17 | 240  | 441001   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.70 | 264  | 366843   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 832542   | 98.76  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 1076173  | 98.74  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.55  | 82   | 827300   | 92.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 260353   | 115.12 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1324972  | 85.95  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.11 | 244  | 1530130  | 86.21  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.62  | 94   | 27810    | 2.380  | ng    | # 55     |
| 49) Dimethylphthalate       | 9.73  | 163  | 276587   | 13.524 | ng    | # 97     |

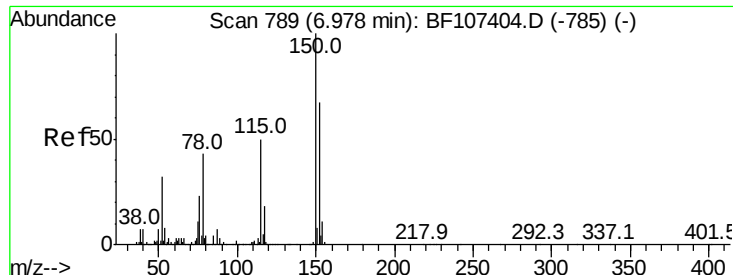
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\  
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

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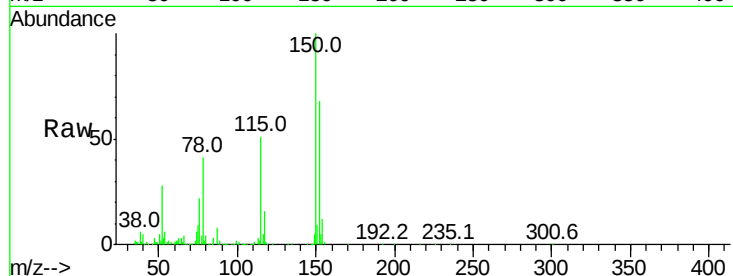


#1

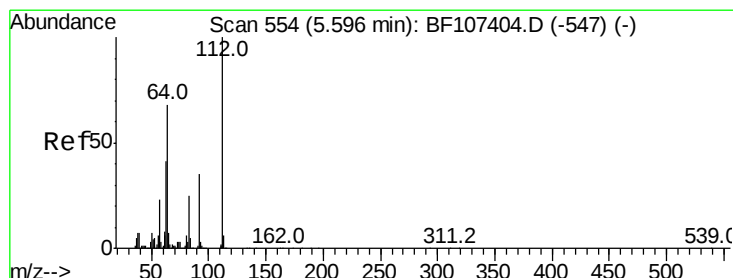
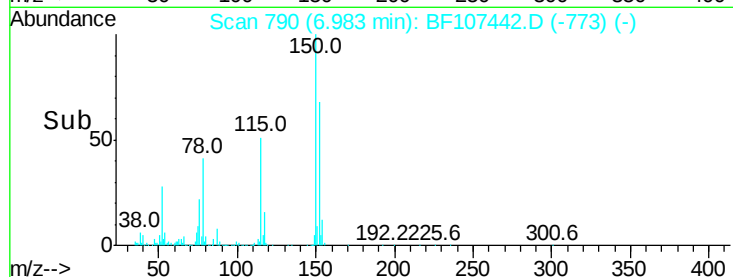
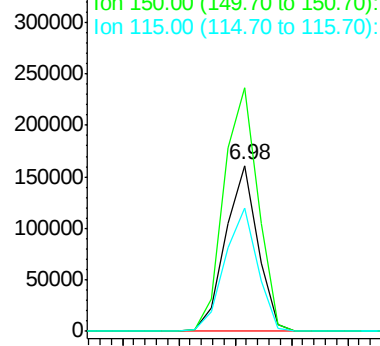
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BF107442.D  
Acq: 17 Jul 2018 12:00

Instrument :  
BNA\_F  
ClientSampleId :  
72-11977

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.9 | 124.6 | 186.8 |
| 115     | 74.4  | 50.1  | 75.1  |



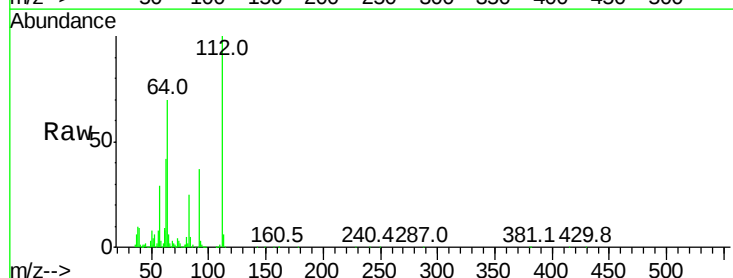
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



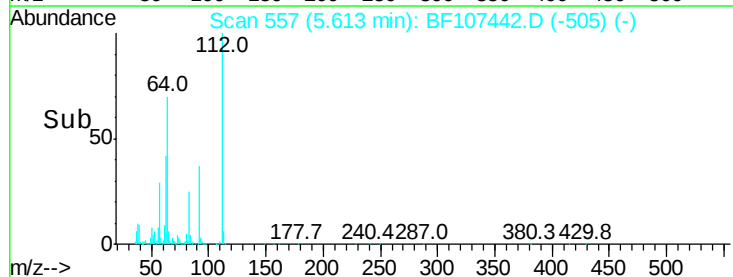
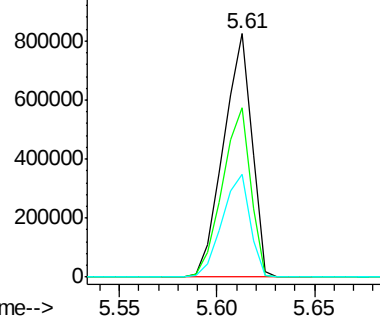
#5

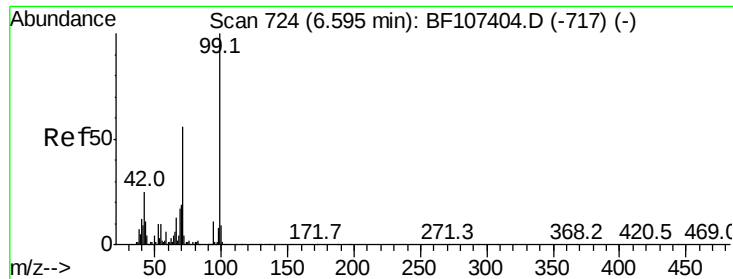
2-Fluorophenol  
Concen: 98.758 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF107442.D  
Acq: 17 Jul 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.6  | 47.9  | 71.9  |
| 63      | 42.2  | 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: 98.739 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

72-11977

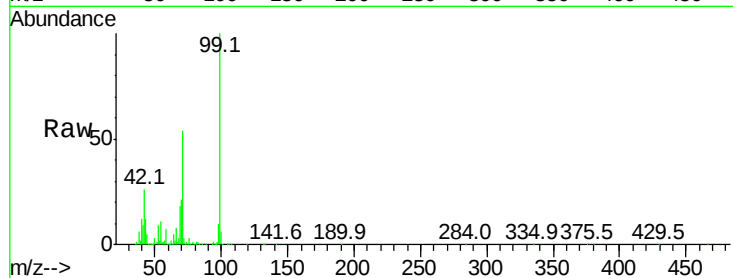
Tot Ion: 99 Resp: 1076173

Ion Ratio Lower Upper

99 100

42 25.5 14.5 21.7#

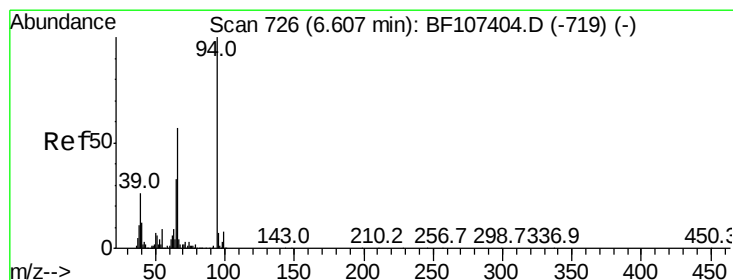
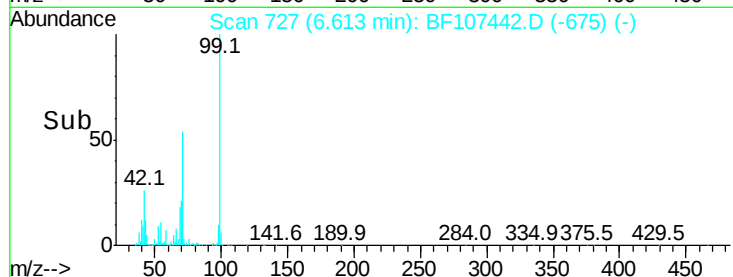
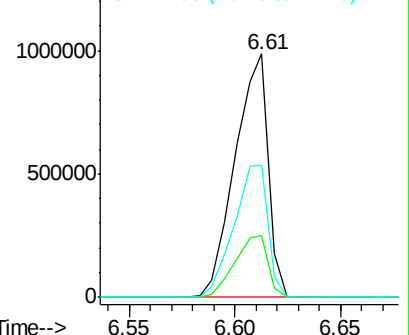
71 54.1 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.380 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

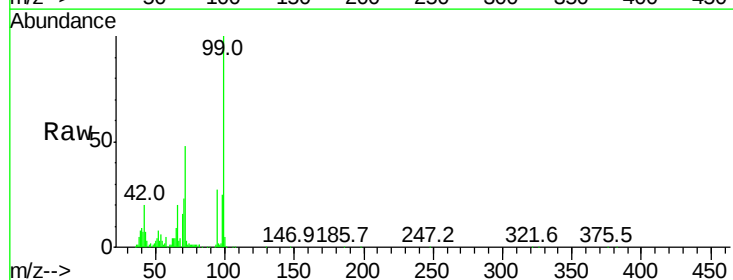
Tgt Ion: 94 Resp: 27810

Ion Ratio Lower Upper

94 100

65 35.5 7.9 47.9

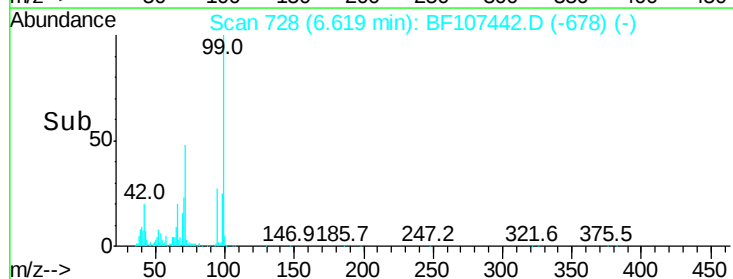
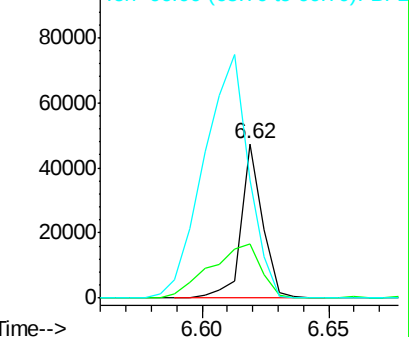
66 76.9 16.2 56.2#

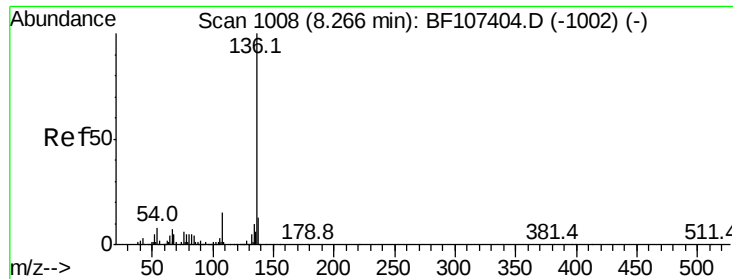


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

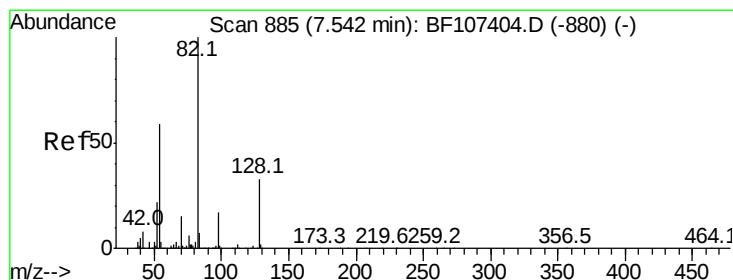
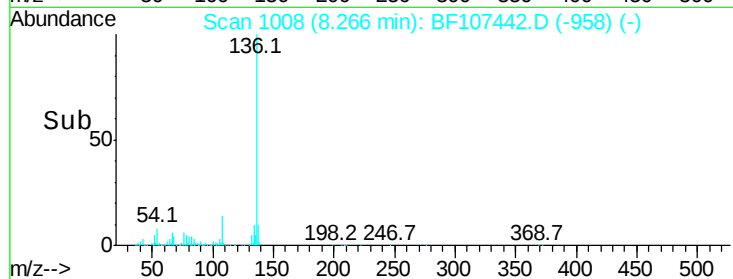
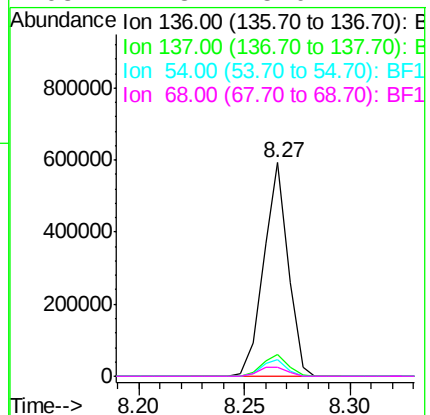
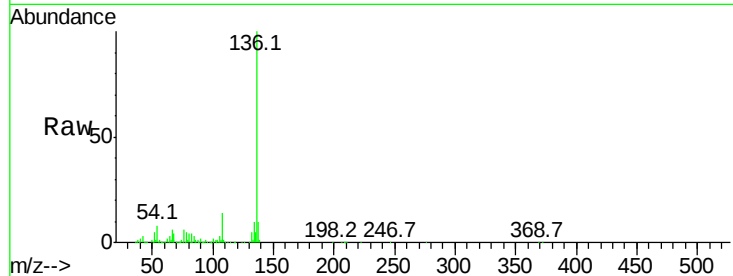




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.27 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF107442.D  
Acq: 17 Jul 2018 12:00

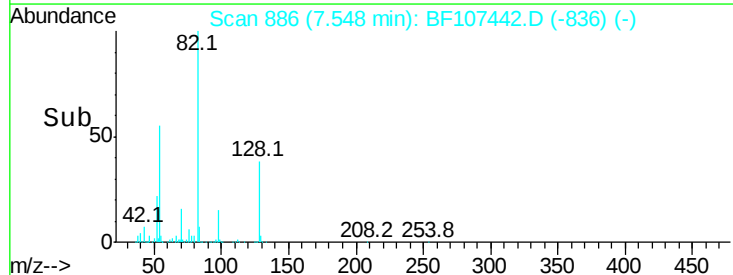
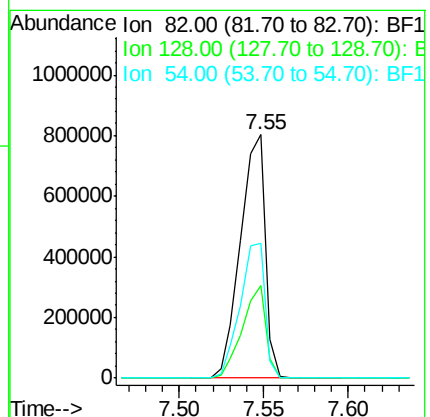
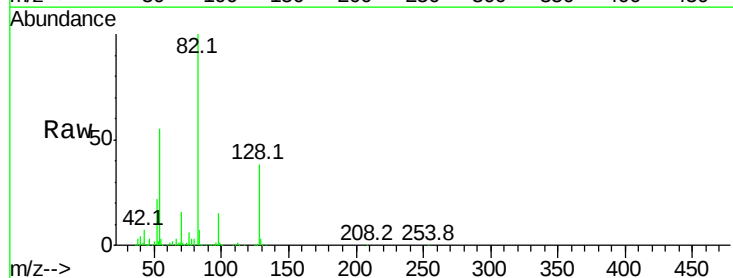
Instrument :  
BNA\_F  
ClientSampleId :  
72-11977

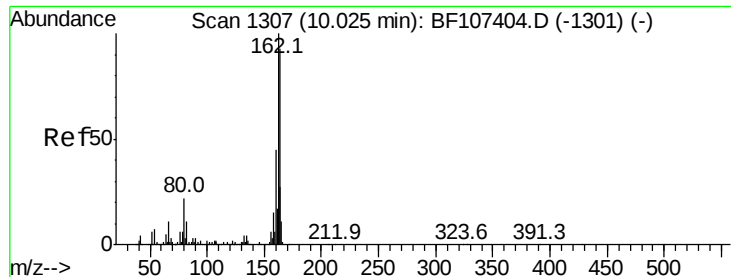
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 476265 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 4.3   | 5.0   | 7.4#   |



#23  
Nitrobenzene-d5  
Concen: 92.627 ng  
RT: 7.55 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF107442.D  
Acq: 17 Jul 2018 12:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 827300 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.3  | 36.1  | 54.1   |
| 54       | 55.5  | 41.4  | 62.2   |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

72-11977

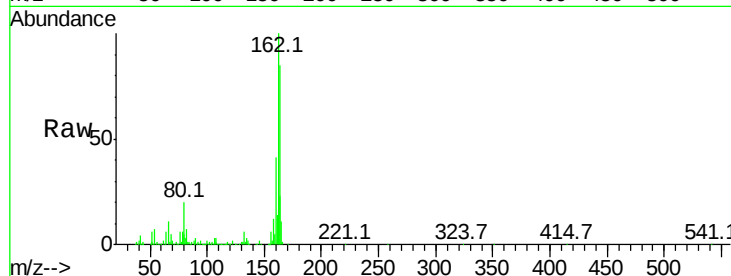
Tot Ion:164 Resp: 257401

Ion Ratio Lower Upper

164 100

162 118.0 86.1 129.1

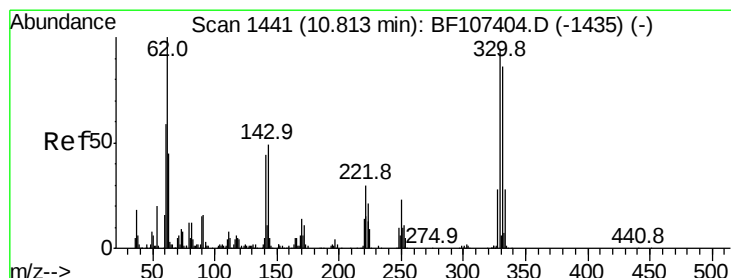
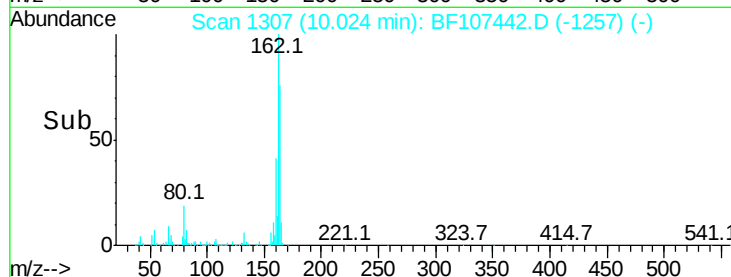
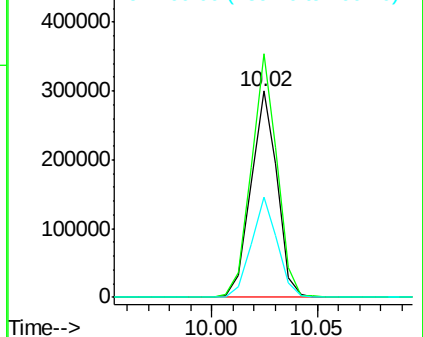
160 48.8 38.3 57.5



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: 115.120 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

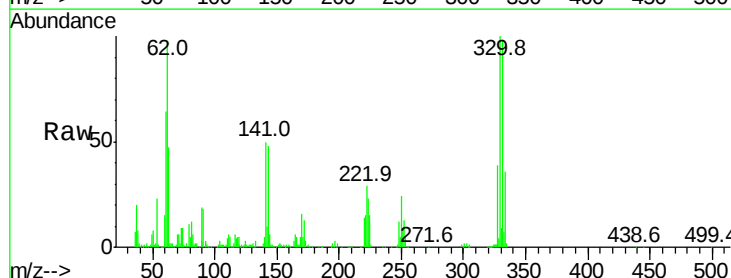
Tgt Ion:330 Resp: 260353

Ion Ratio Lower Upper

330 100

332 93.2 77.0 115.6

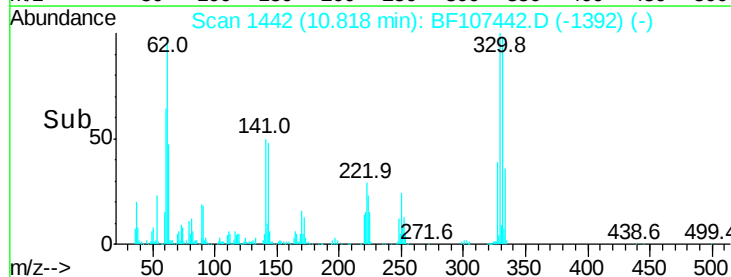
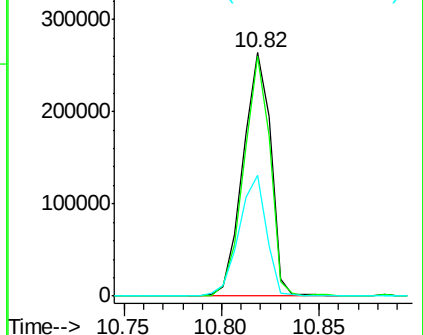
141 49.0 29.9 44.9#

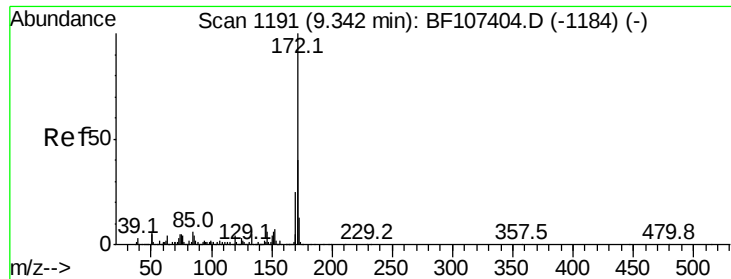


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.947 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Instrument :

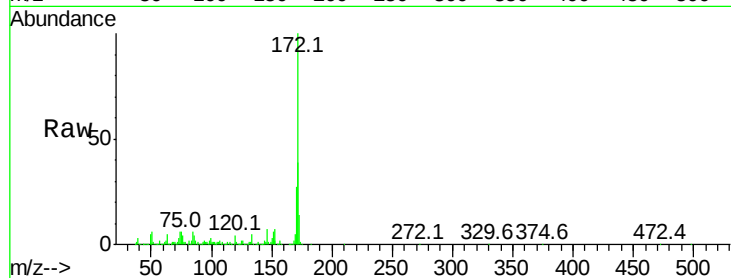
BNA\_F

ClientSampleId :

72-11977

Tot Ion:172 Resp: 1324972

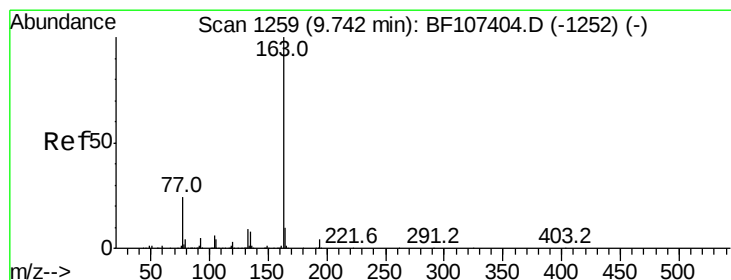
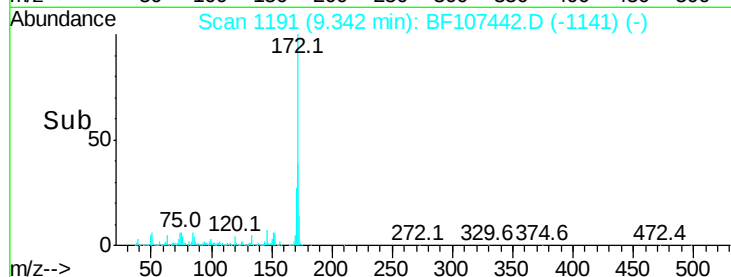
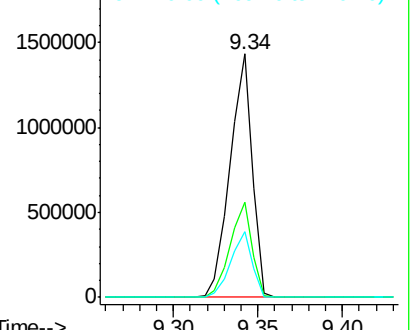
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.1  | 29.7  | 44.5  |
| 170 | 27.0  | 19.6  | 29.4  |



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



#49

Dimethylphthalate

Concen: 13.524 ng

RT: 9.73 min Scan# 1257

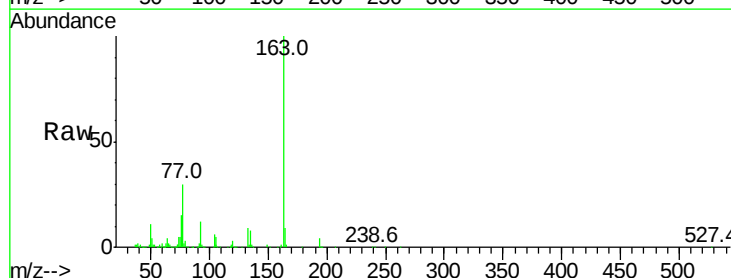
Delta R.T. -0.02 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Tgt Ion:163 Resp: 276587

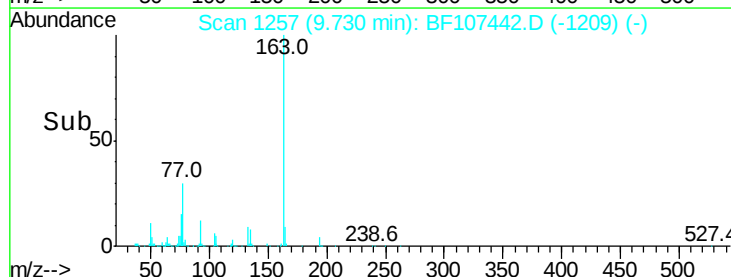
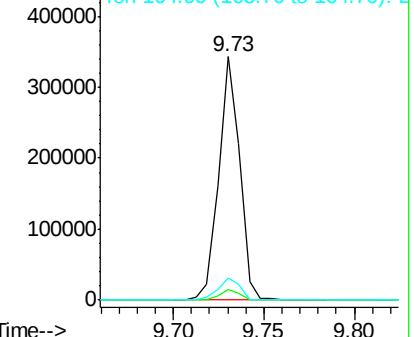
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 2.7   | 4.1#  |
| 164 | 9.1   | 8.2   | 12.2  |

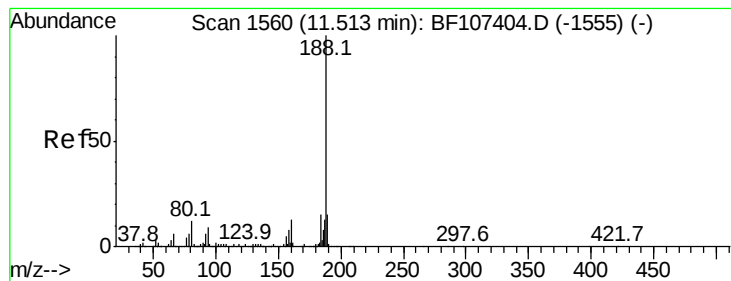


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

72-11977

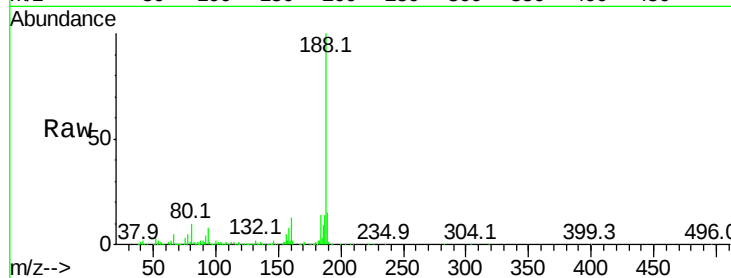
Tot Ion:188 Resp: 559044

Ion Ratio Lower Upper

188 100

94 8.0 8.5 12.7#

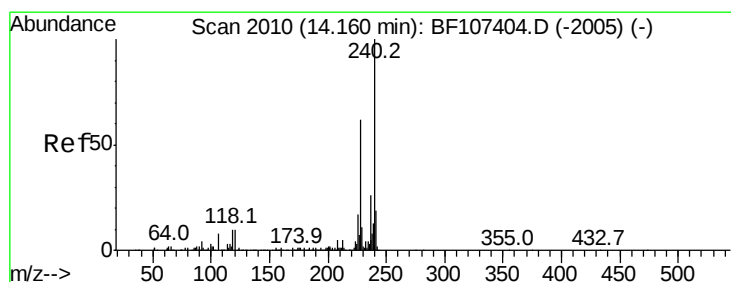
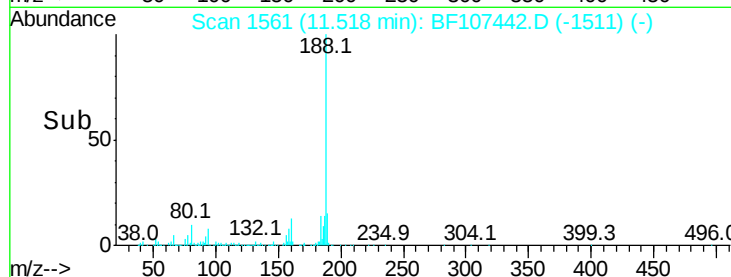
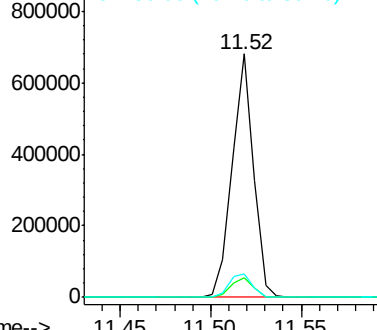
80 9.6 9.2 13.8



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: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

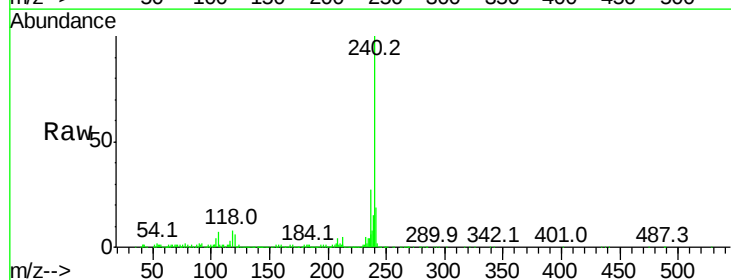
Tgt Ion:240 Resp: 441001

Ion Ratio Lower Upper

240 100

120 6.1 9.5 14.3#

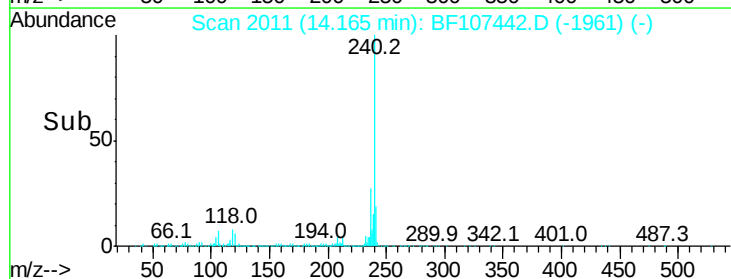
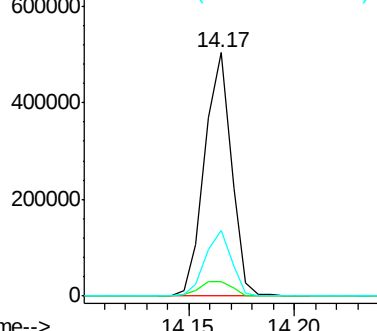
236 27.2 20.7 31.1

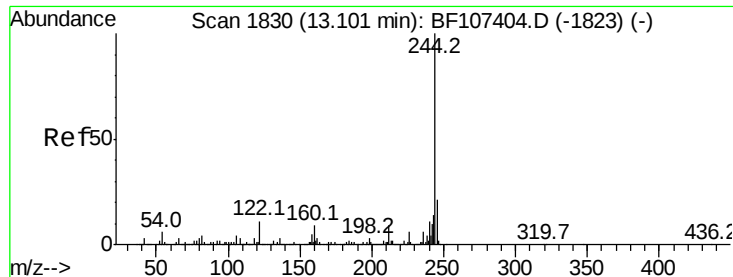


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.207 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

72-11977

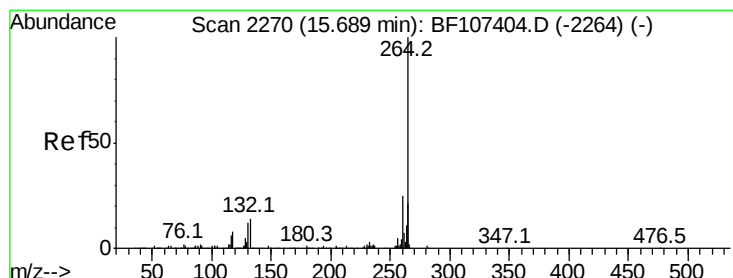
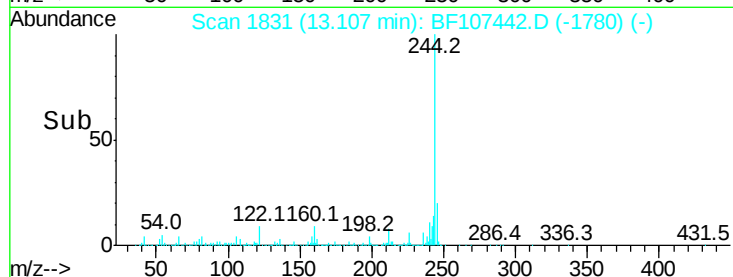
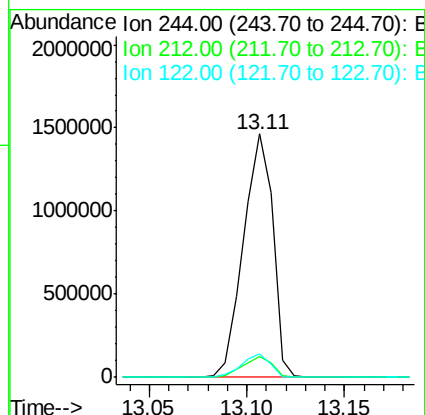
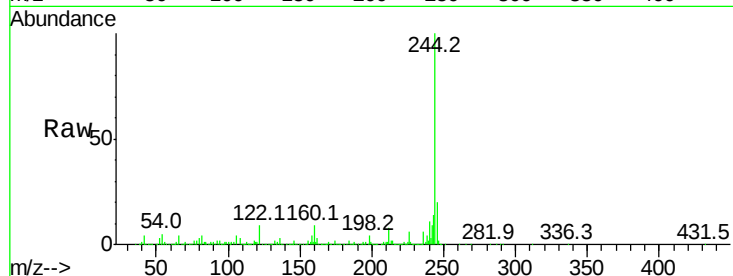
Tot Ion:244 Resp: 1530130

Ion Ratio Lower Upper

244 100

212 8.4 5.4 8.0#

122 9.4 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF107442.D

Acq: 17 Jul 2018 12:00

Tgt Ion:264 Resp: 366843

Ion Ratio Lower Upper

264 100

260 27.0 19.2 28.8

265 20.7 17.5 26.3

