

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\  
 Data File : BF107837.D  
 Acq On : 31 Jul 2018 8:25  
 Operator : JU/SJ  
 Sample : J4221-02  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

Quant Time: Jul 31 09:03:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 30 17:48:53 2018  
 Response via : Initial Calibration

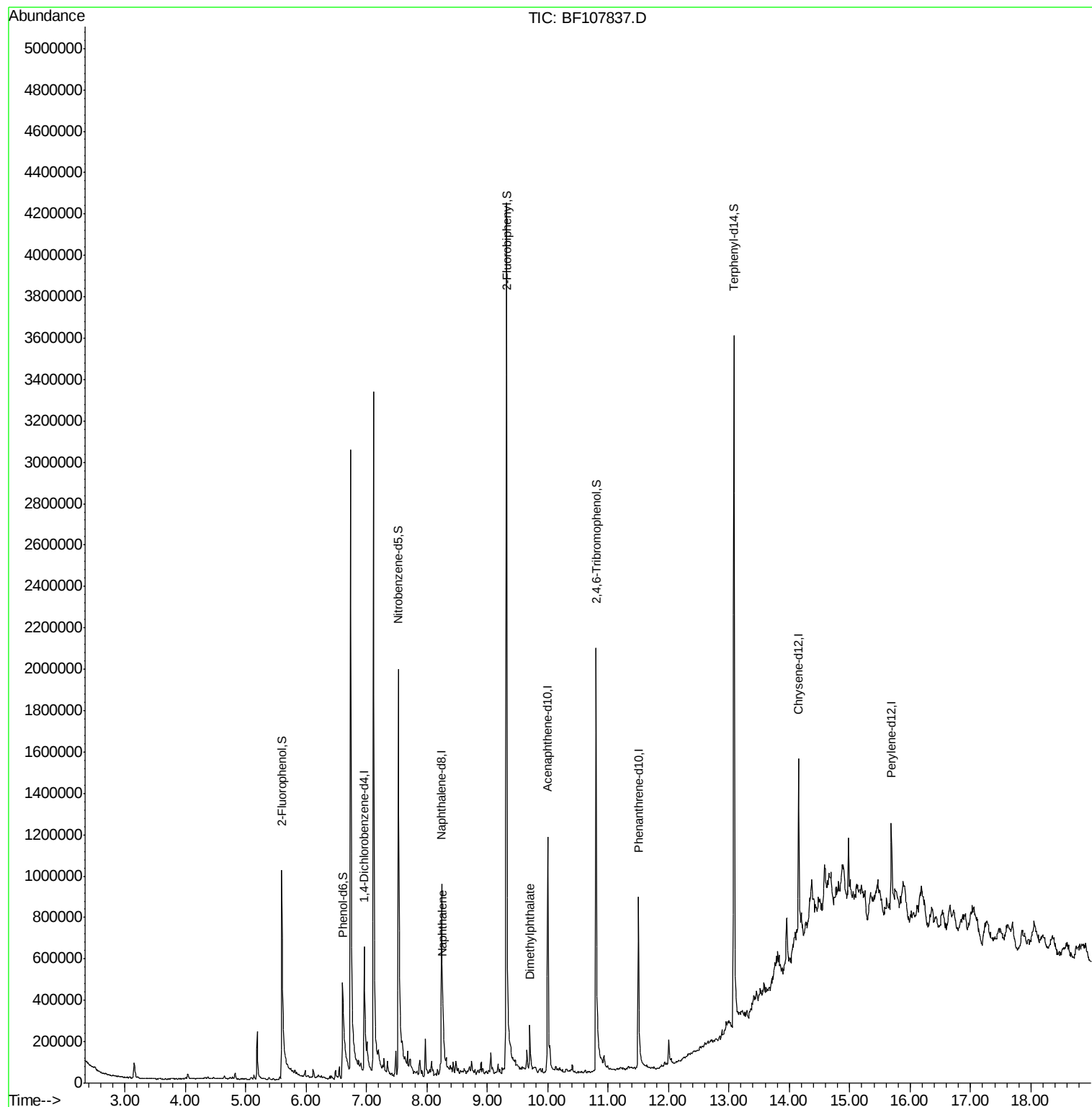
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 173597   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 715126   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 283493   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 463036   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 423445   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.69 | 264  | 363125   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 601598   | 58.90  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 502257   | 37.31  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1100172  | 88.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 392197   | 101.81 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1894851  | 93.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 1460629  | 74.80  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.27  | 128  | 131946   | 3.969  | ng    | 100      |
| 49) Dimethylphthalate       | 9.71  | 163  | 113458   | 5.329  | ng    | 98       |

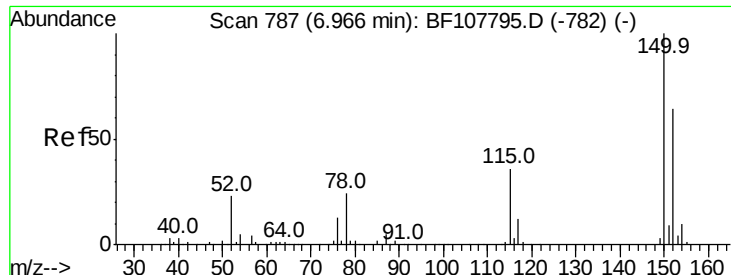
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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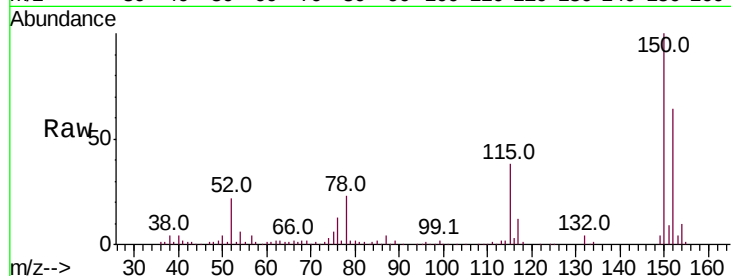


#1

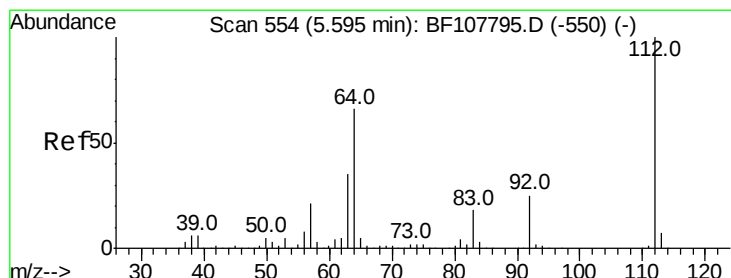
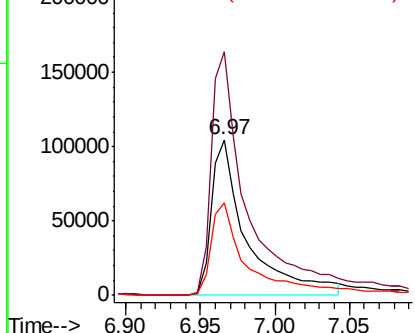
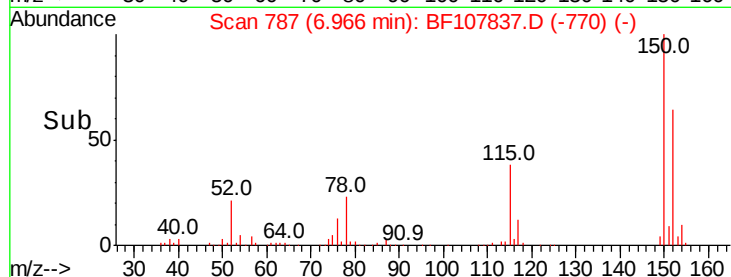
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF107837.D  
Acq: 31 Jul 2018 8:25

Instrument :  
BNA\_F  
ClientSampleId :  
MW-21

Tot Ion:152 Resp: 173597  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.6 186.8  
115 59.4 50.1 75.1



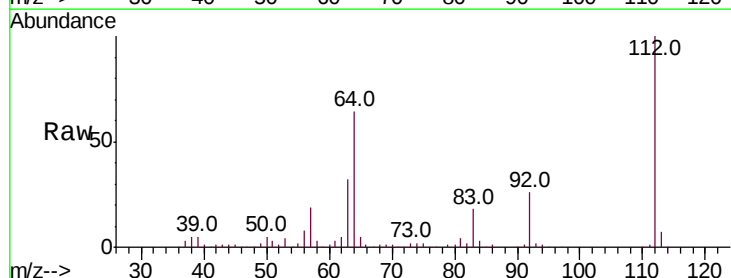
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



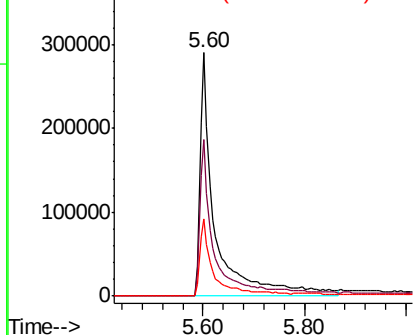
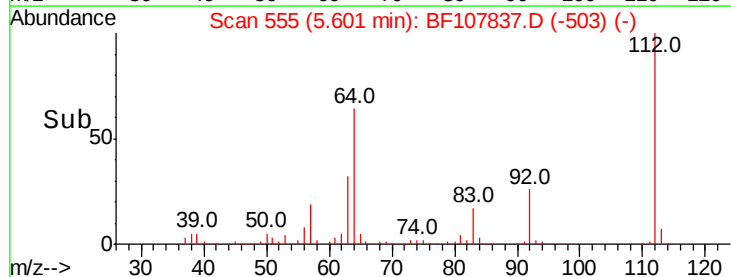
#5

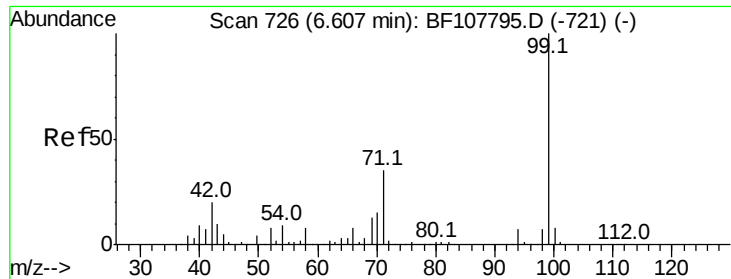
2-Fluorophenol  
Concen: 58.898 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF107837.D  
Acq: 31 Jul 2018 8:25

Tgt Ion:112 Resp: 601598  
Ion Ratio Lower Upper  
112 100  
64 64.1 47.9 71.9  
63 31.5 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: 37.310 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Instrument :

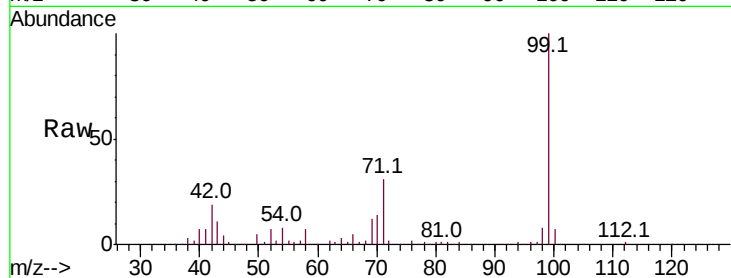
BNA\_F

ClientSampleId :

MW-21

Tot Ion: 99 Resp: 502257

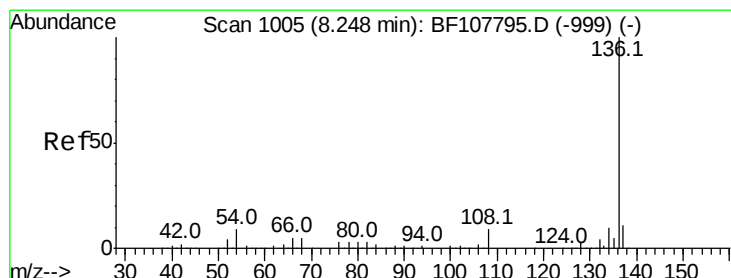
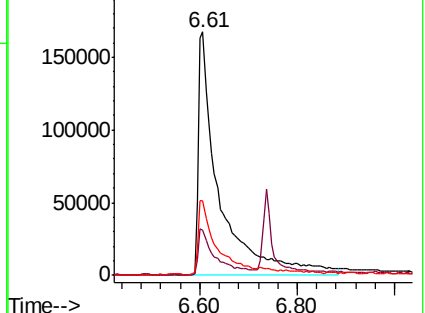
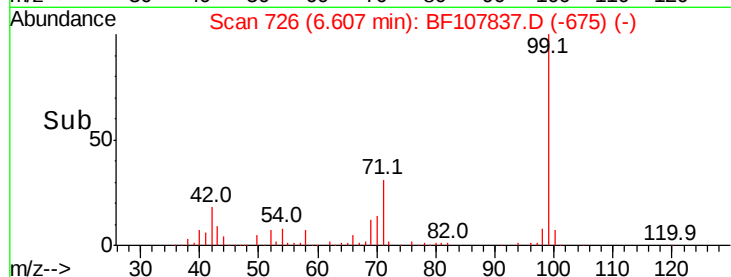
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.7  | 14.5  | 21.7  |
| 71  | 30.7  | 25.4  | 38.0  |



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

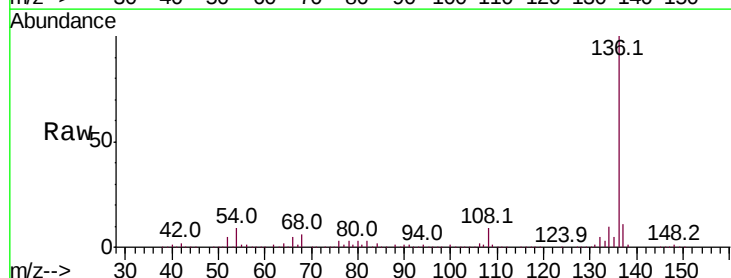
Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Tgt Ion: 136 Resp: 715126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.9   | 13.3  |
| 54  | 9.0   | 6.6   | 9.8   |
| 68  | 6.4   | 5.0   | 7.4   |

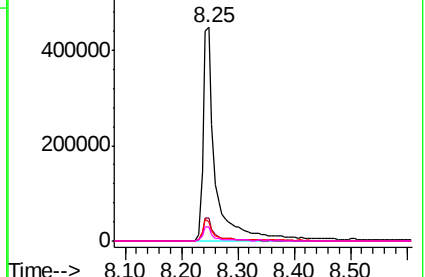
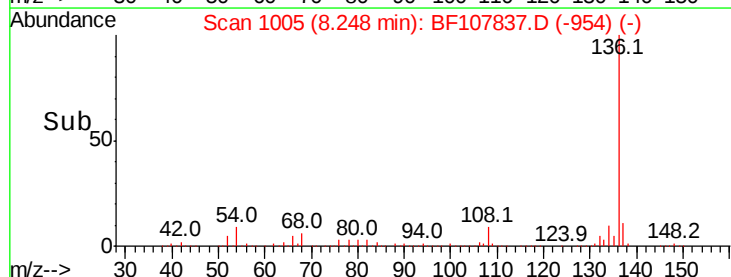


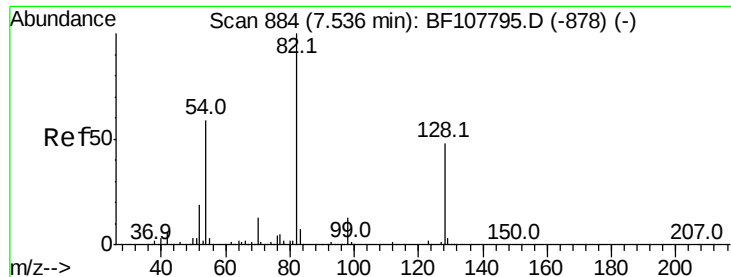
Abundance Ion 136.00 (135.70 to 136.70): E

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



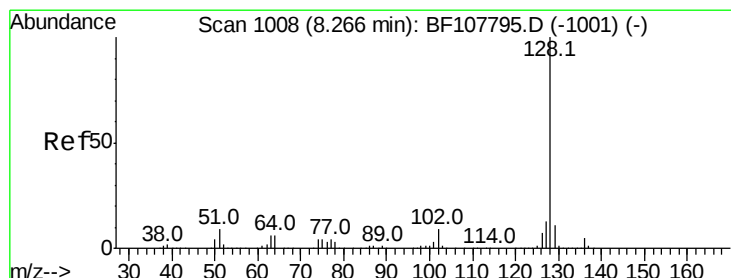
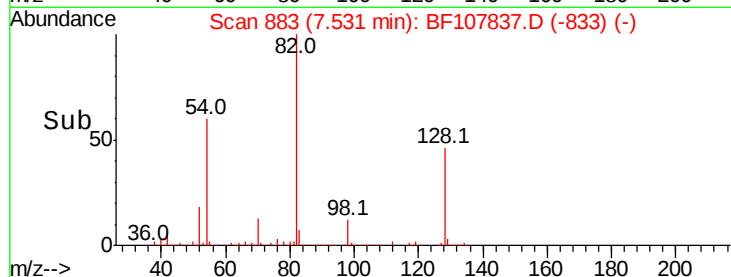
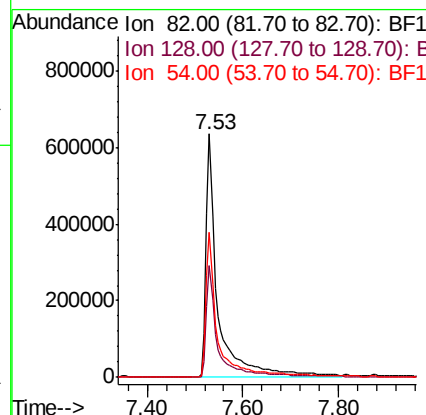
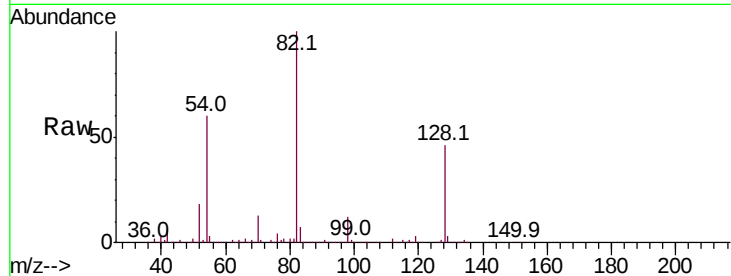


#23  
 Nitrobenzene-d5  
 Concen: 88.630 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF107837.D  
 Acq: 31 Jul 2018 8:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

Tot Ion: 82 Resp: 1100172  

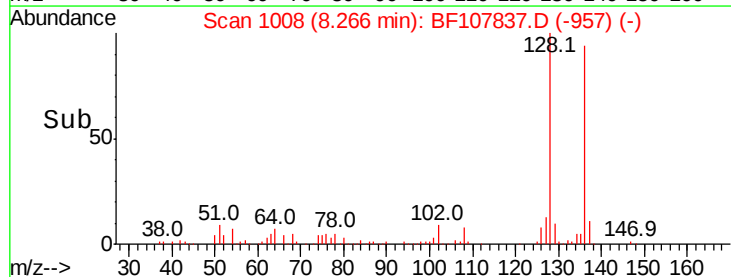
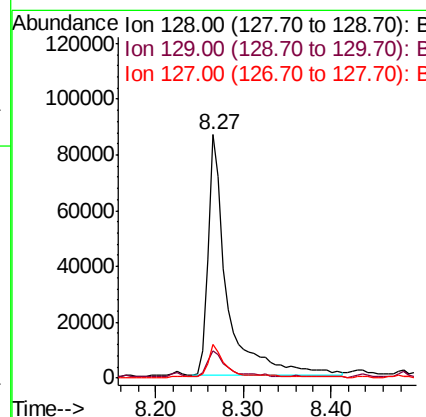
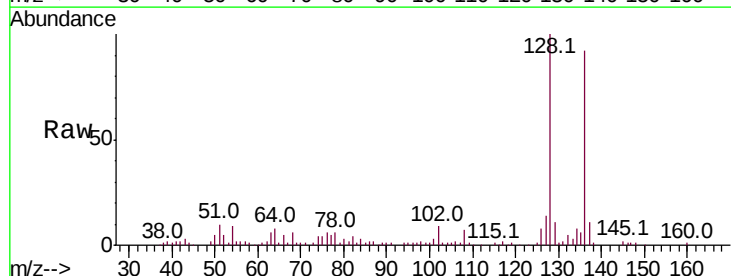
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.1  | 36.1  | 54.1  |
| 54  | 59.7  | 41.4  | 62.2  |

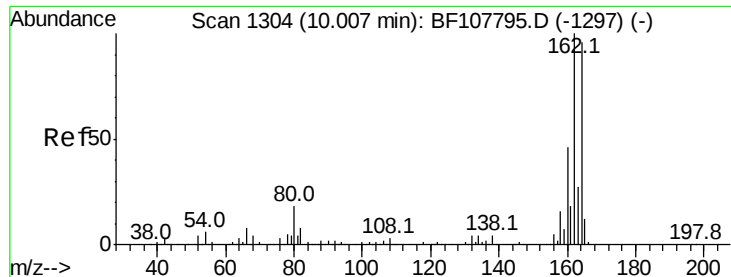


#31  
 Naphthalene  
 Concen: 3.969 ng  
 RT: 8.27 min Scan# 1008  
 Delta R.T. -0.00 min  
 Lab File: BF107837.D  
 Acq: 31 Jul 2018 8:25

Tgt Ion: 128 Resp: 131946  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.0  | 8.8   | 13.2  |
| 127 | 13.6  | 10.9  | 16.3  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Instrument :

BNA\_F

ClientSampleId :

MW-21

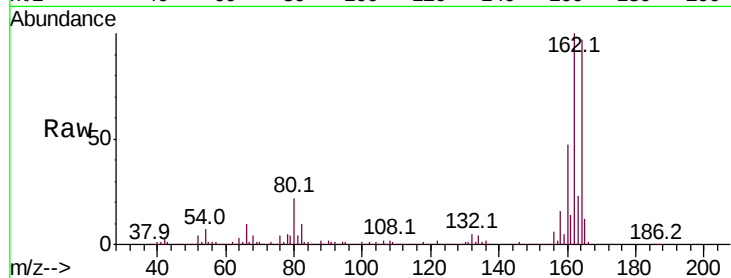
Tot Ion:164 Resp: 283493

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

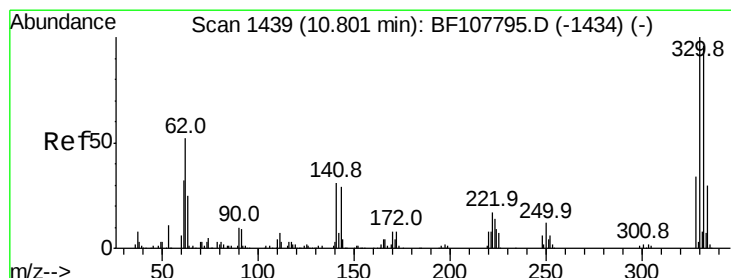
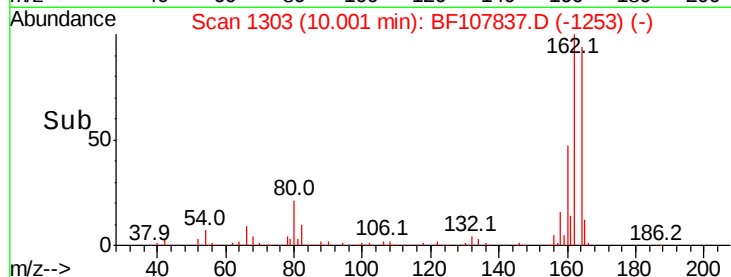
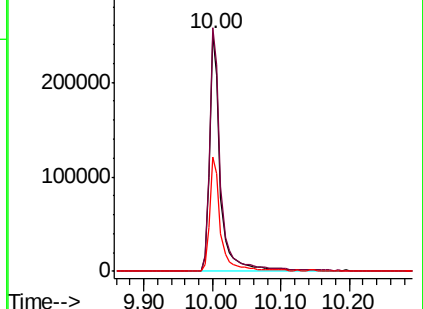
160 48.2 38.3 57.5



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: 101.814 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

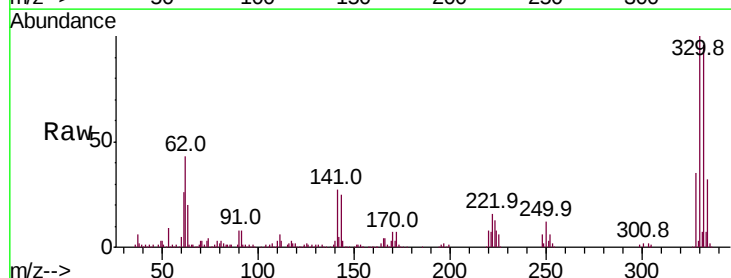
Tgt Ion:330 Resp: 392197

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

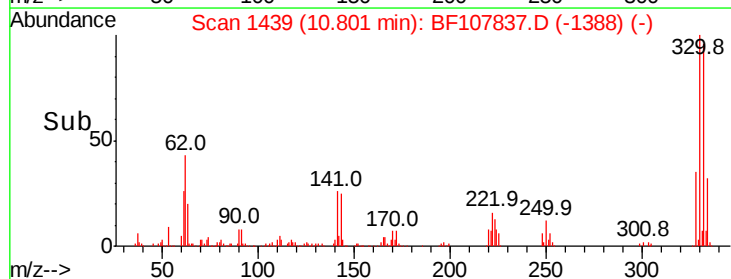
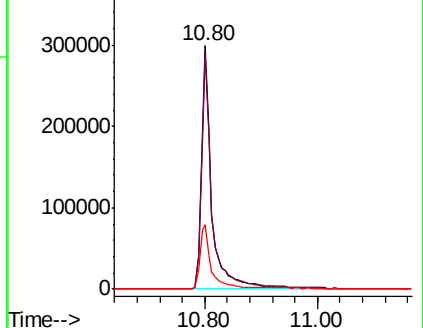
141 28.2 29.9 44.9#

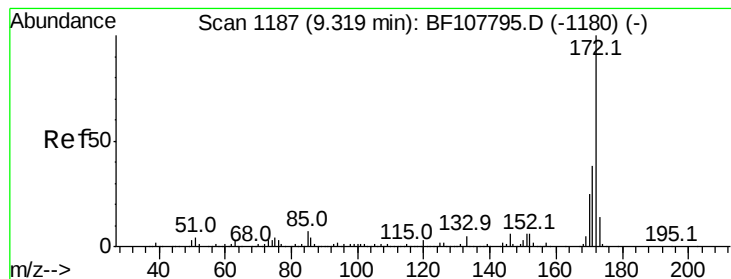


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 93.140 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Instrument :

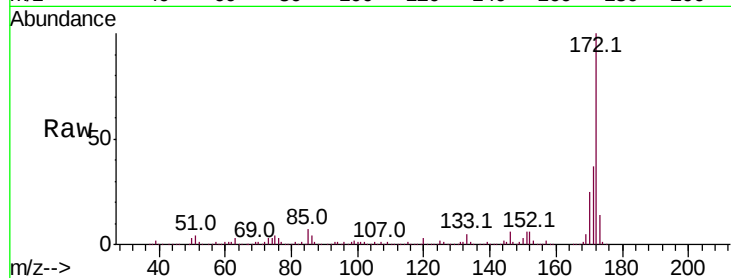
BNA\_F

ClientSampleId :

MW-21

Tot Ion:172 Resp: 1894851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.3  | 29.7  | 44.5  |
| 170 | 25.0  | 19.6  | 29.4  |

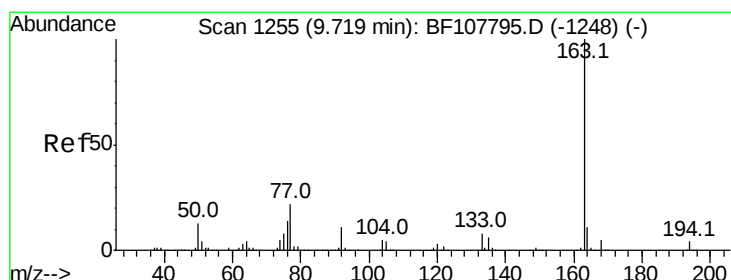
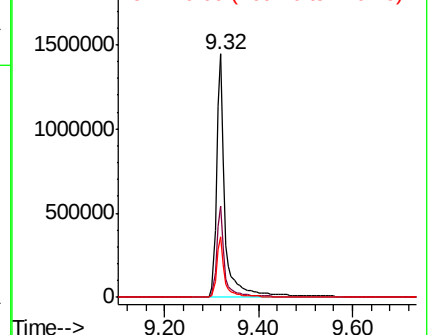
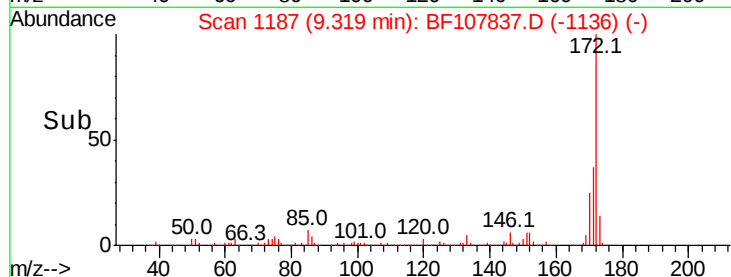


Abundance

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: 5.329 ng

RT: 9.71 min Scan# 1253

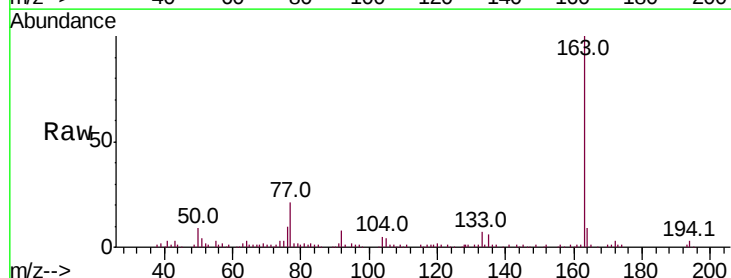
Delta R.T. -0.01 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Tgt Ion:163 Resp: 113458

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.5   | 2.7   | 4.1   |
| 164 | 9.3   | 8.2   | 12.2  |

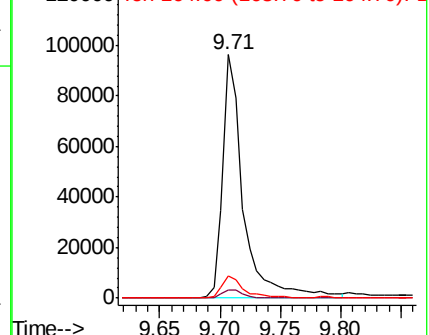
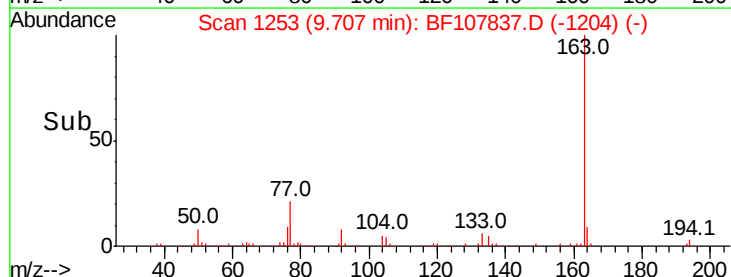


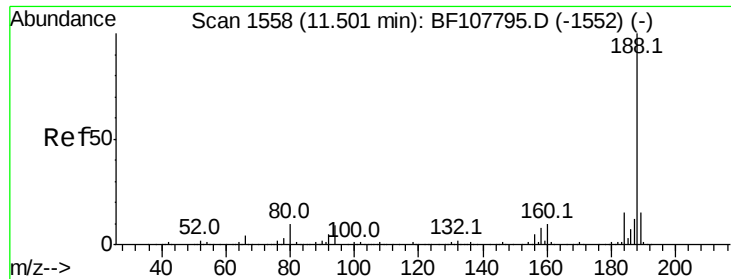
Abundance

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

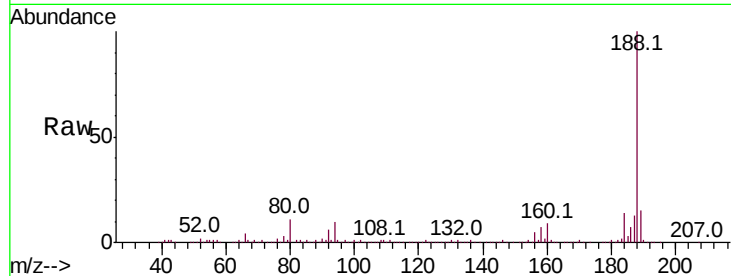




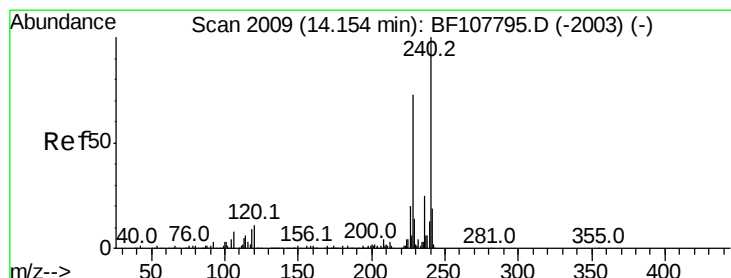
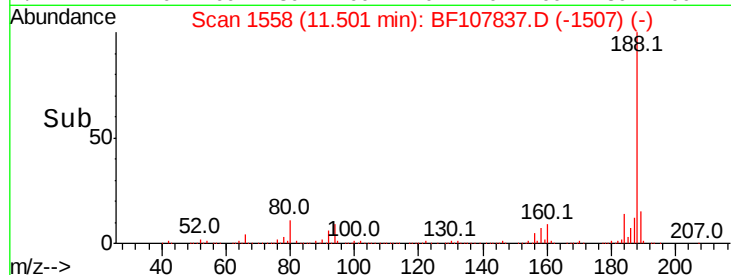
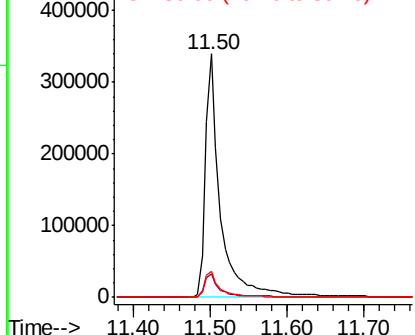
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: BF107837.D  
Acq: 31 Jul 2018 8:25

Instrument :  
BNA\_F  
ClientSampleId :  
MW-21

Tot Ion:188 Resp: 463036  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.5 12.7  
80 10.7 9.2 13.8

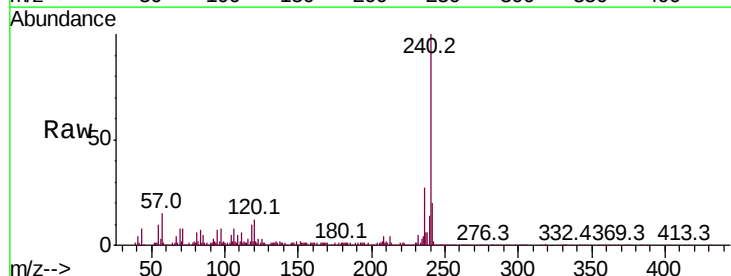


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

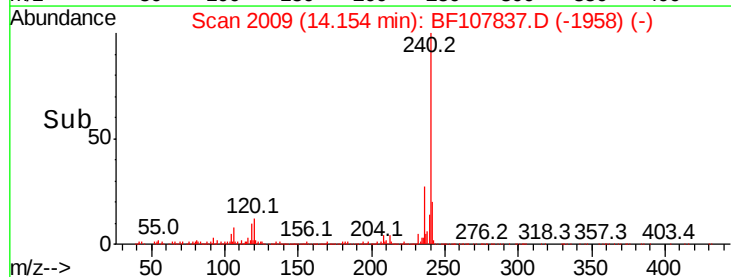
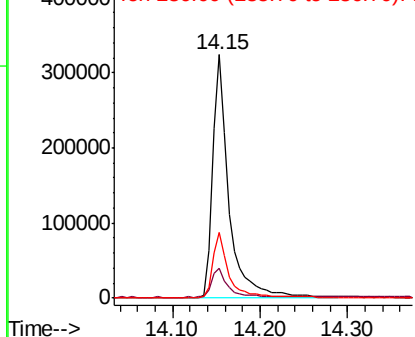


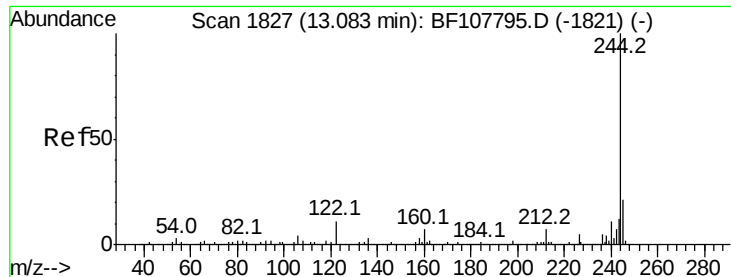
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: BF107837.D  
Acq: 31 Jul 2018 8:25

Tgt Ion:240 Resp: 423445  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.5 14.3  
236 26.8 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: 74.798 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

Instrument :

BNA\_F

ClientSampleId :

MW-21

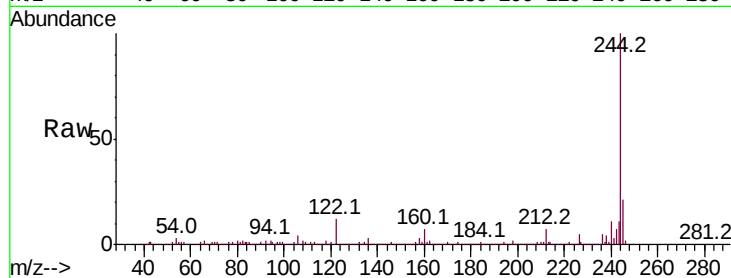
Tot Ion:244 Resp: 1460629

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

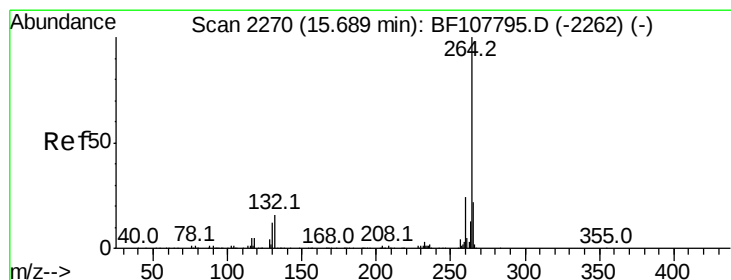
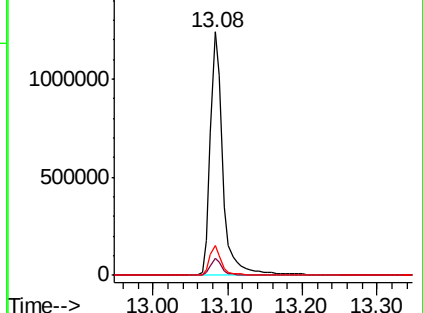
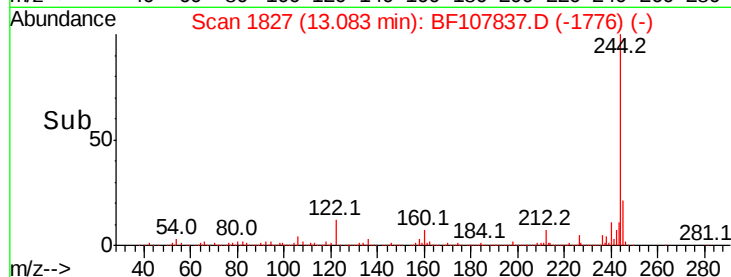
122 12.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF107837.D

Acq: 31 Jul 2018 8:25

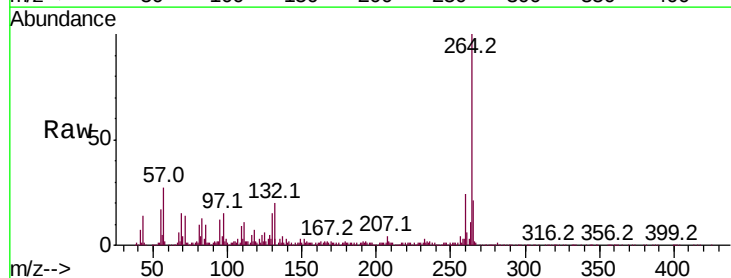
Tgt Ion:264 Resp: 363125

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

