

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\  
 Data File : BF108771.D  
 Acq On : 5 Sep 2018 7:22  
 Operator : JU/SJ  
 Sample : J4741-15 10X  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 05 08:04:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 30 15:06:55 2018  
 Response via : Initial Calibration

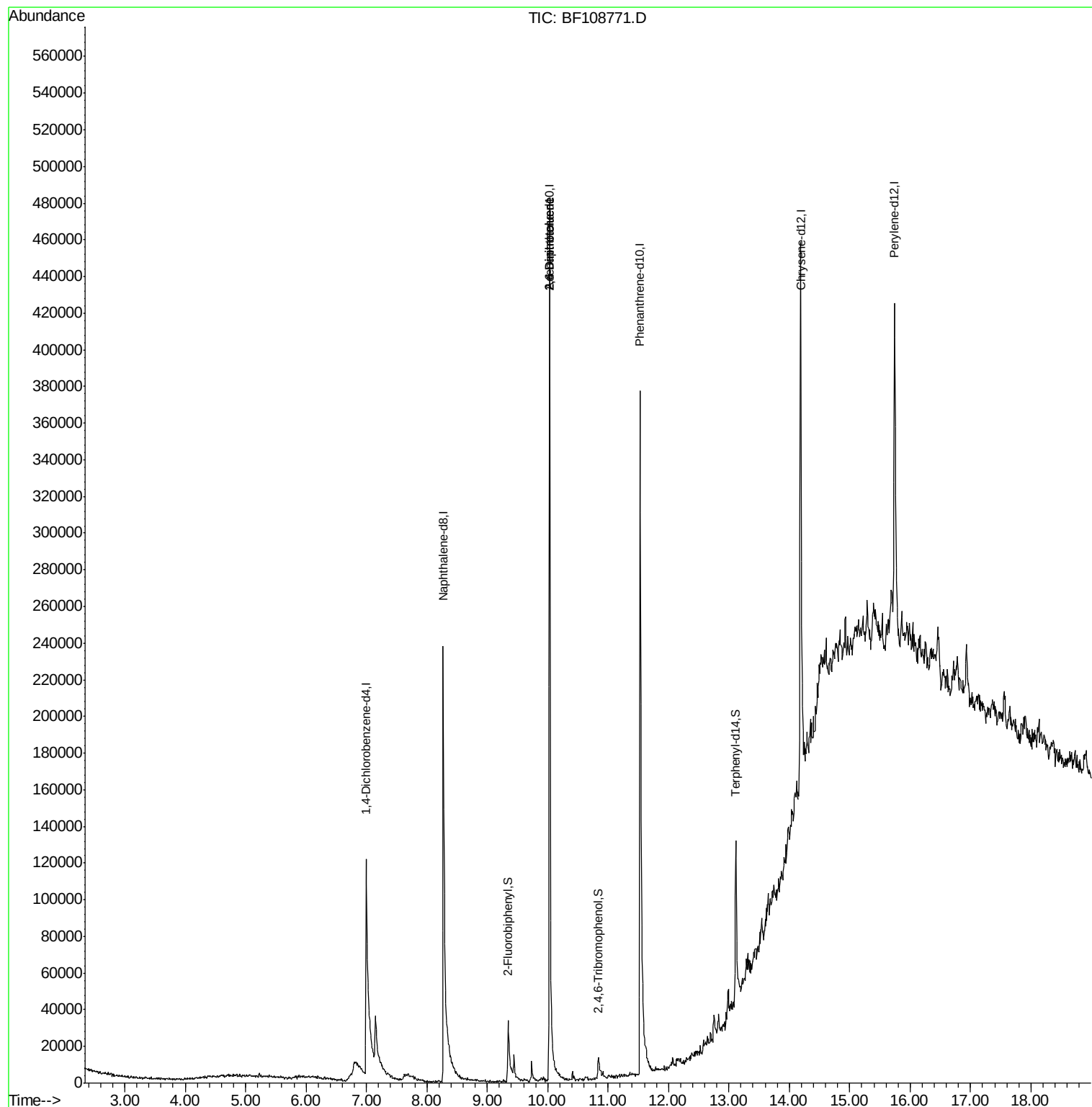
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 51169    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.27  | 136  | 254297   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.03 | 164  | 133987   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.53 | 188  | 277274   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 14.19 | 240  | 171862   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.74 | 264  | 135916   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.74  | 112  | 109      | 0.04  | ng    | 0.09     |
| 7) Phenol-d6                | 6.74  | 99   | 6542     | 1.55  | ng    | 0.09     |
| 23) Nitrobenzene-d5         | 7.64  | 82   | 3844     | 0.77  | ng    | 0.06     |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 6452     | 3.65  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 36614    | 3.67  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 48606    | 5.50  | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       |          |
| 50) 2,6-Dinitrotoluene      | 10.03 | 165  | 15702    | 6.752 | ng    | # 25     |
| 56) 2,4-Dinitrotoluene      | 10.03 | 165  | 15979    | 5.189 | ng    | # 23     |

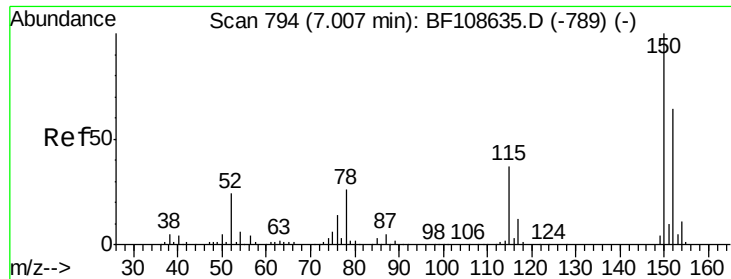
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :

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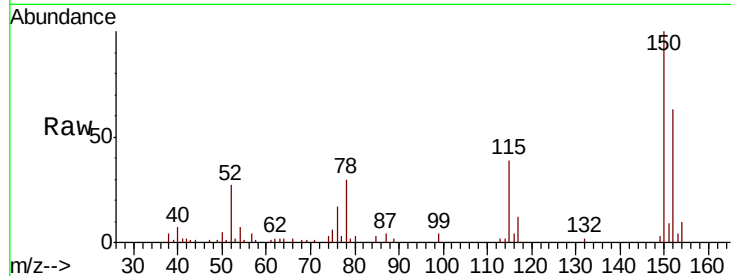


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF108771.D  
Acq: 5 Sep 2018 7:22

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.0 | 124.6 | 186.8 |
| 115     | 61.7  | 50.1  | 75.1  |

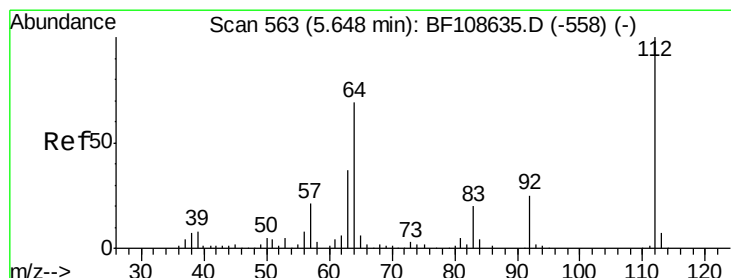
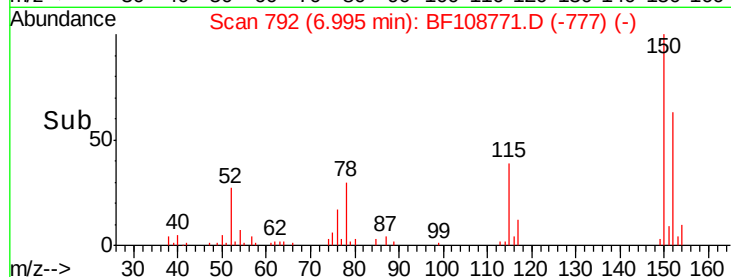
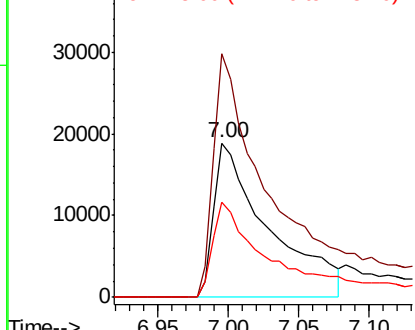


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

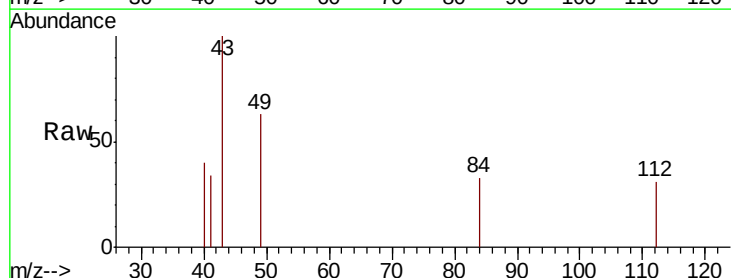
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 0.037 ng  
RT: 5.74 min Scan# 578  
Delta R.T. 0.09 min  
Lab File: BF108771.D  
Acq: 5 Sep 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 0.0   | 47.9  | 71.9# |
| 63      | 0.0   | 23.7  | 35.5# |

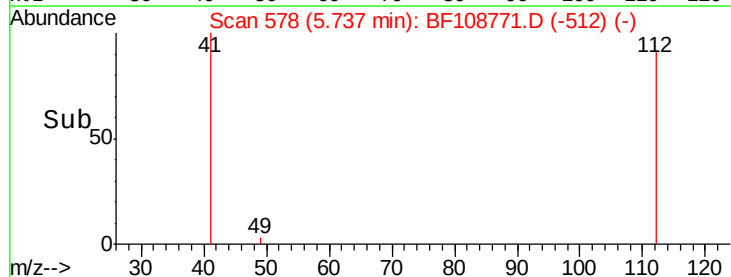
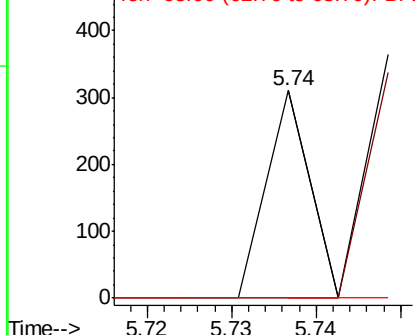


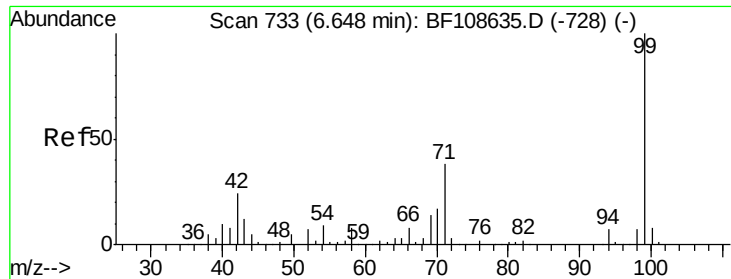
Abundance

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: 1.551 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.09 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

Instrument :

BNA\_F

ClientSampleId :

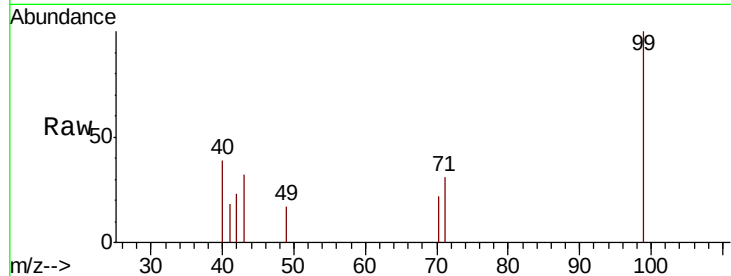
Tot Ion: 99 Resp: 6542

Ion Ratio Lower Upper

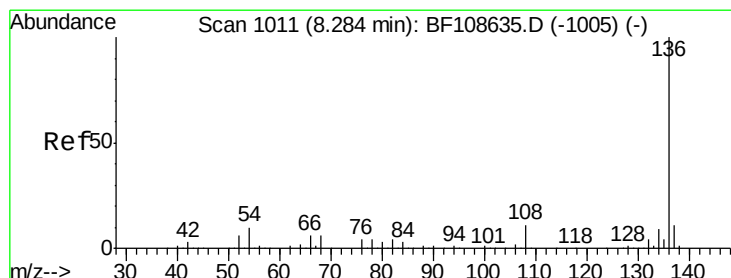
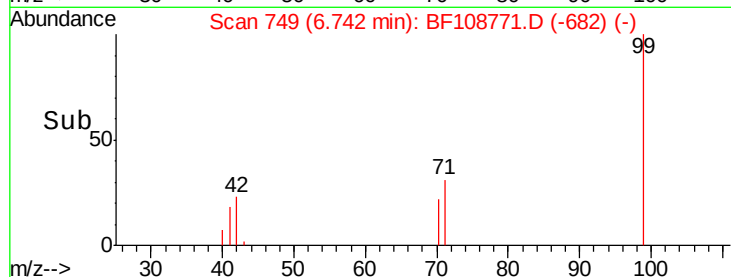
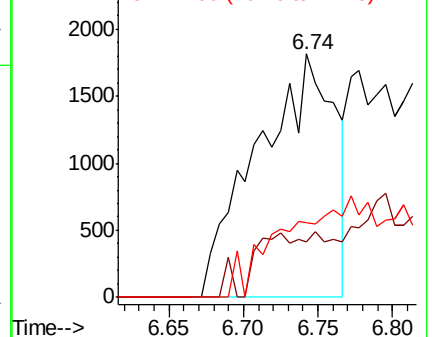
99 100

42 23.0 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: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

Tgt Ion: 136 Resp: 254297

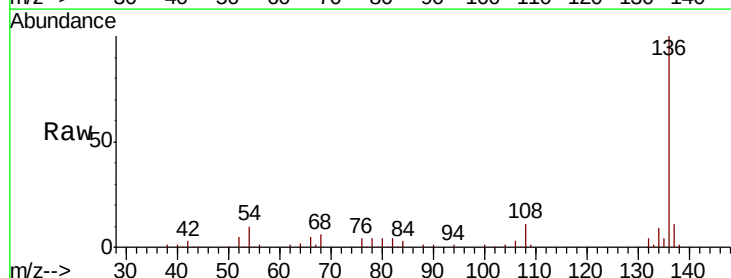
Ion Ratio Lower Upper

136 100

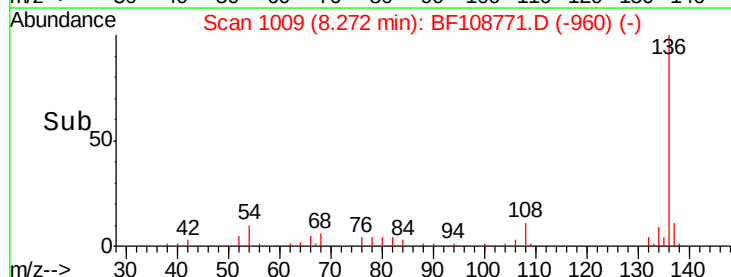
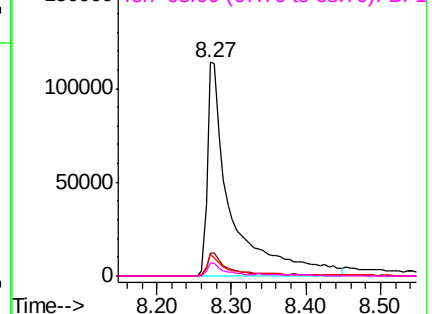
137 11.1 8.9 13.3

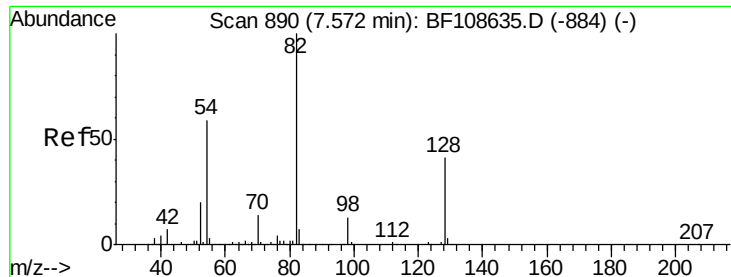
54 10.0 6.6 9.8#

68 6.1 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

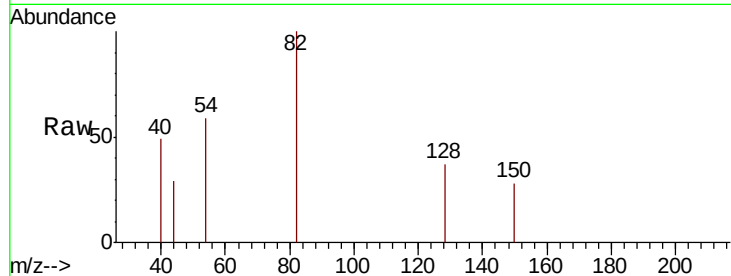




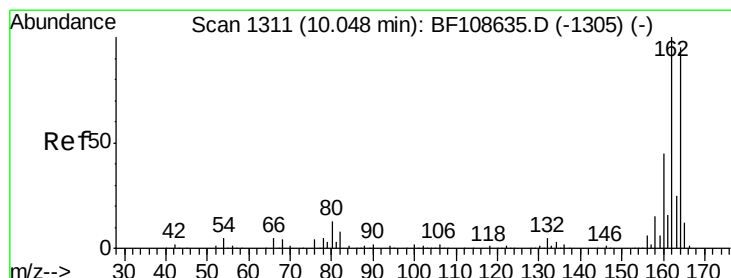
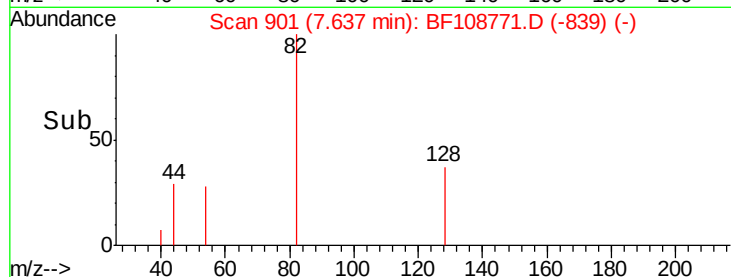
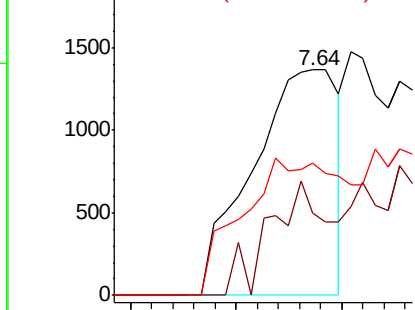
#23  
 Nitrobenzene-d5  
 Concen: 0.767 ng  
 RT: 7.64 min Scan# 901  
 Delta R.T. 0.06 min  
 Lab File: BF108771.D  
 Acq: 5 Sep 2018 7:22

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 3844  
 Ion Ratio Lower Upper  
 82 100  
 128 36.5 36.1 54.1  
 54 58.9 41.4 62.2

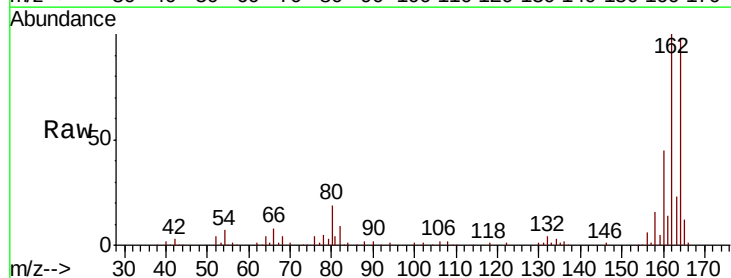


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

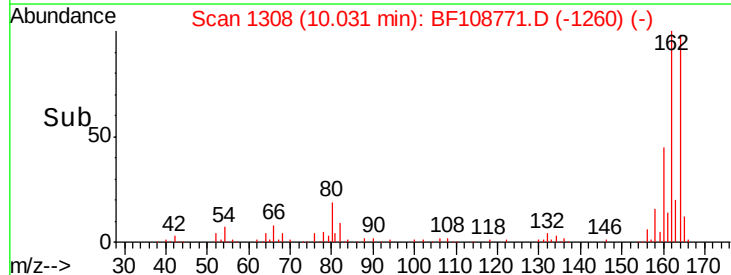
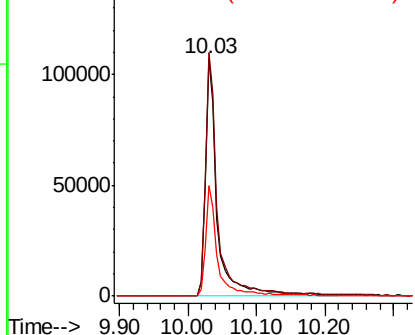


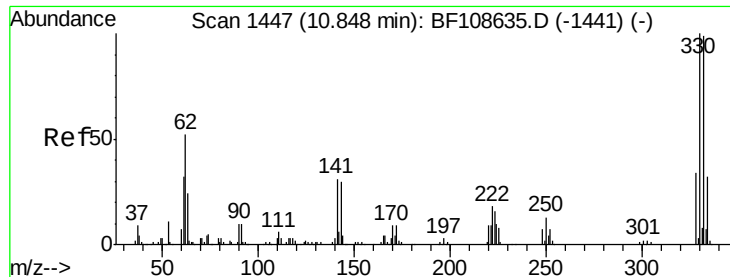
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.03 min Scan# 1308  
 Delta R.T. -0.02 min  
 Lab File: BF108771.D  
 Acq: 5 Sep 2018 7:22

Tgt Ion:164 Resp: 133987  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 86.1 129.1  
 160 46.6 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: 3.648 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

Instrument :

BNA\_F

ClientSampled :

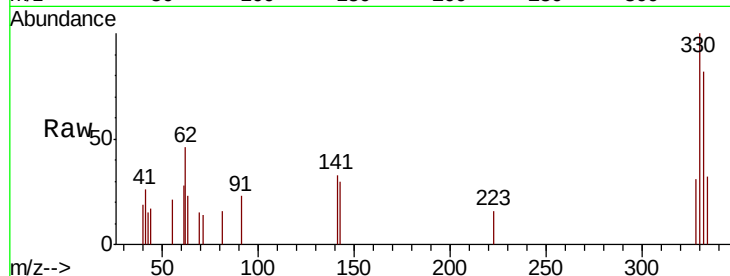
Tot Ion:330 Resp: 6452

Ion Ratio Lower Upper

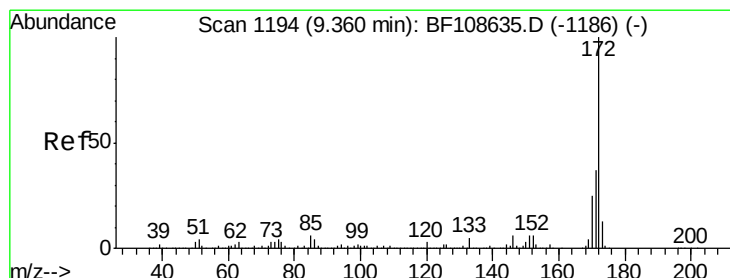
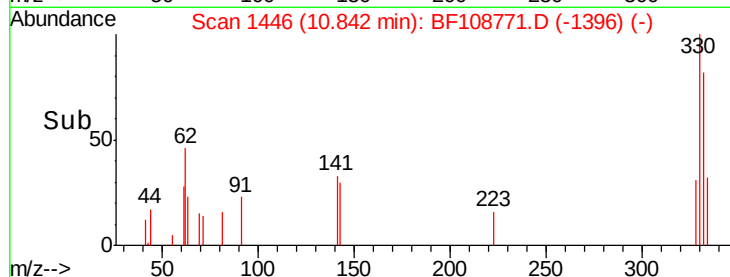
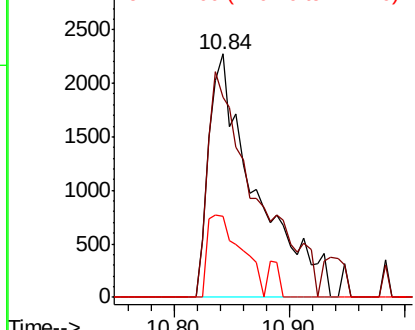
330 100

332 94.4 77.0 115.6

141 24.3 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: 3.674 ng

RT: 9.35 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

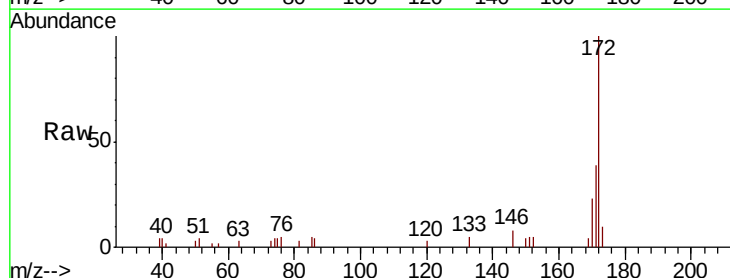
Tgt Ion:172 Resp: 36614

Ion Ratio Lower Upper

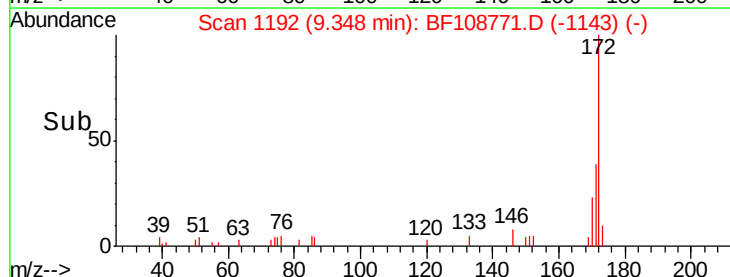
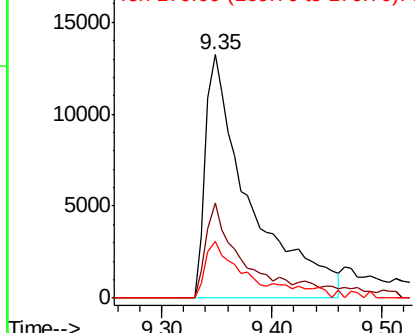
172 100

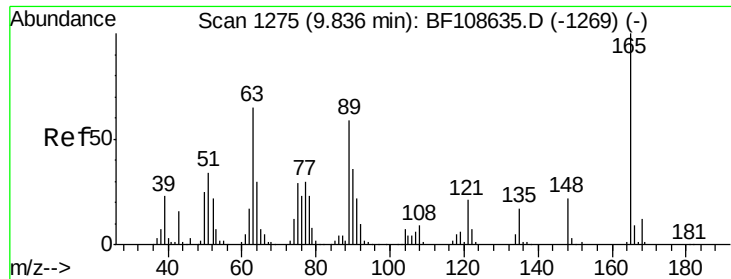
171 39.1 29.7 44.5

170 23.1 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

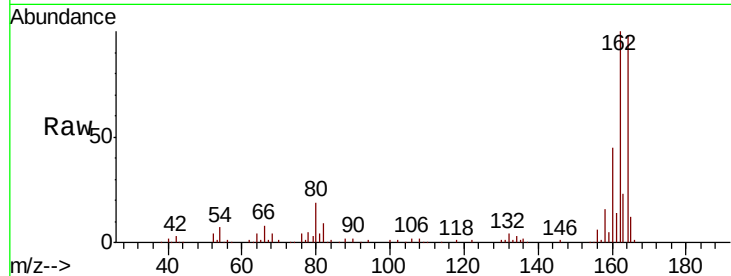




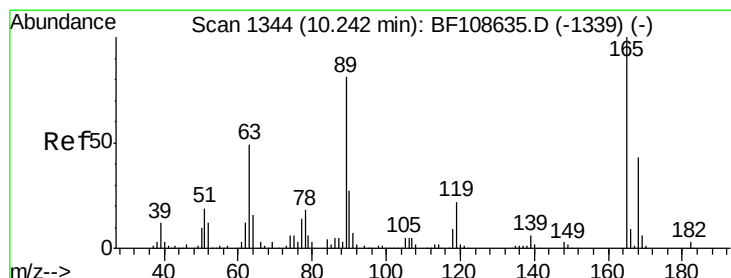
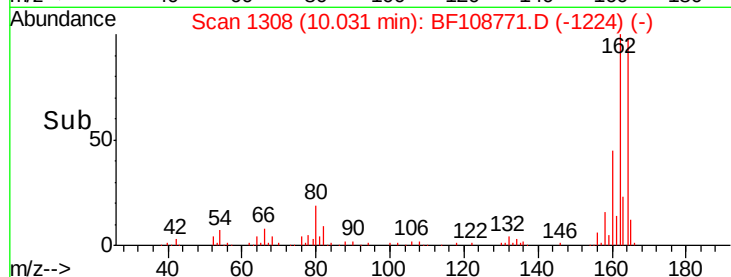
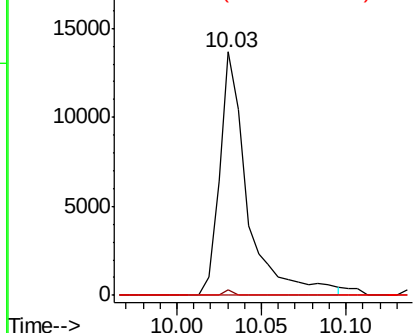
#50  
 2,6-Dinitrotoluene  
 Concen: 6.752 ng  
 RT: 10.03 min Scan# 1308  
 Delta R.T. 0.19 min  
 Lab File: BF108771.D  
 Acq: 5 Sep 2018 7:22

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.3   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |

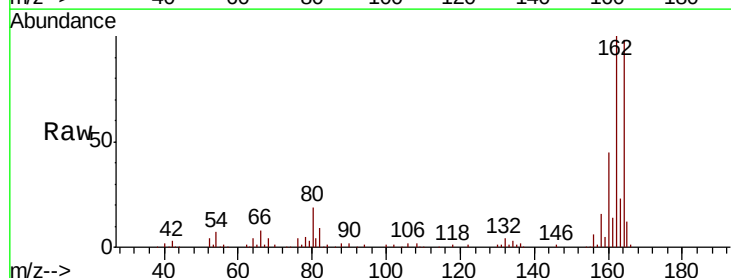


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

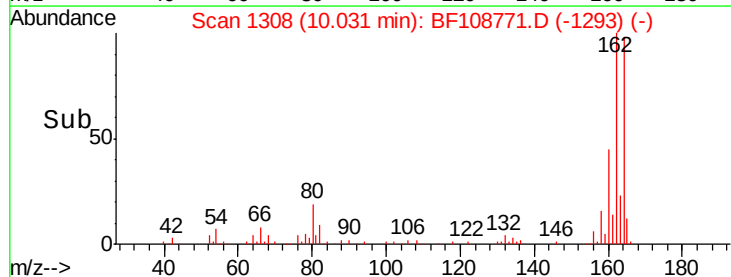
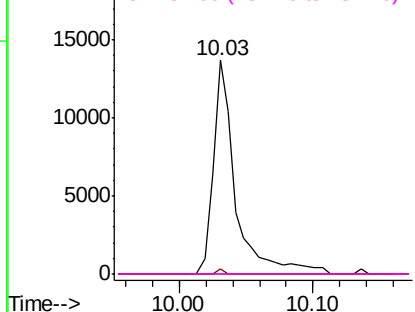


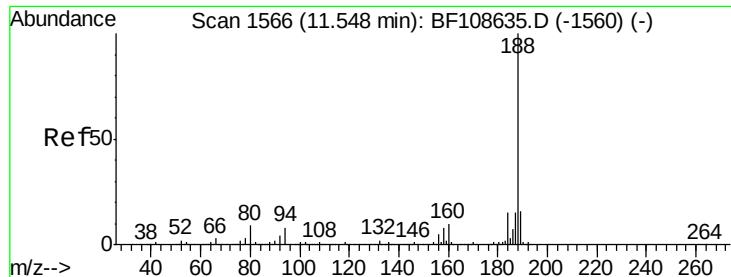
#56  
 2,4-Dinitrotoluene  
 Concen: 5.189 ng  
 RT: 10.03 min Scan# 1308  
 Delta R.T. -0.21 min  
 Lab File: BF108771.D  
 Acq: 5 Sep 2018 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.3   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

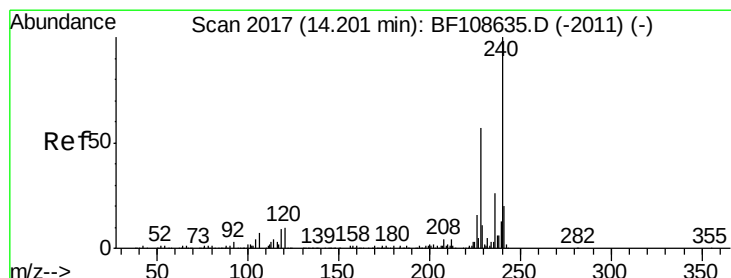
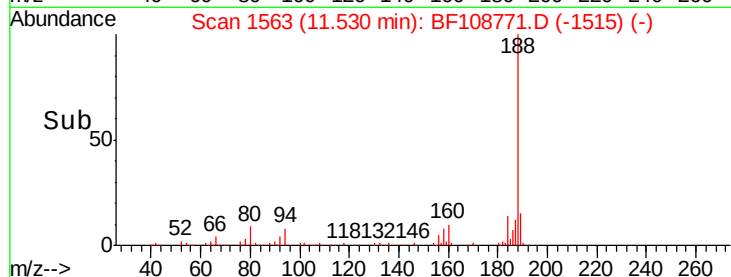
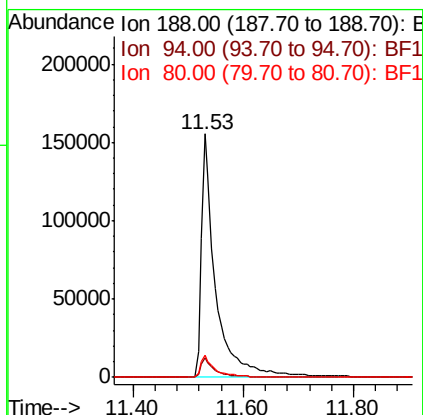
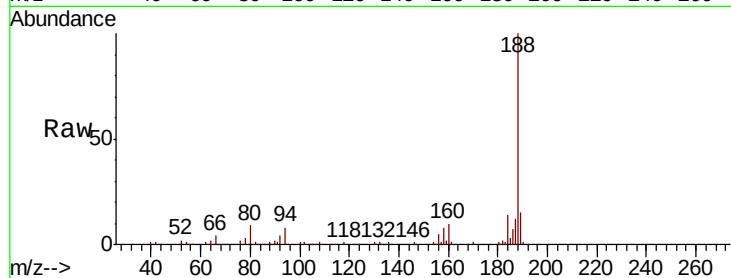




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.53 min Scan# 1563  
Delta R.T. -0.02 min  
Lab File: BF108771.D  
Acq: 5 Sep 2018 7:22

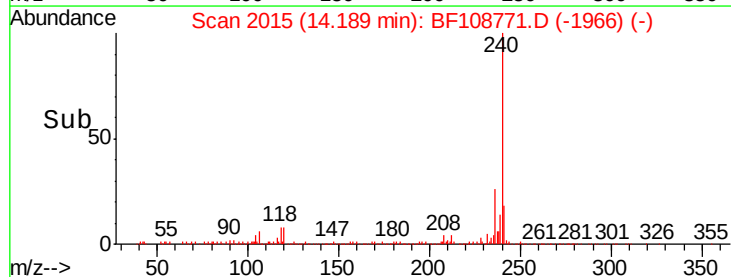
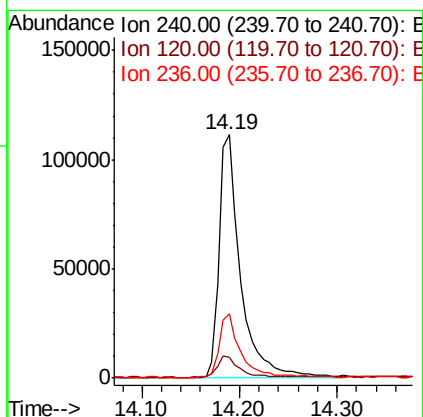
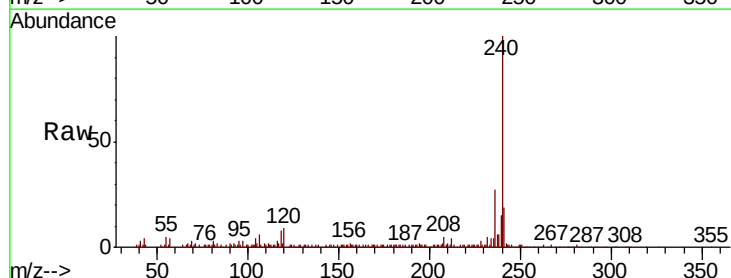
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 277274  
Ion Ratio Lower Upper  
188 100  
94 8.2 8.5 12.7#  
80 9.0 9.2 13.8#

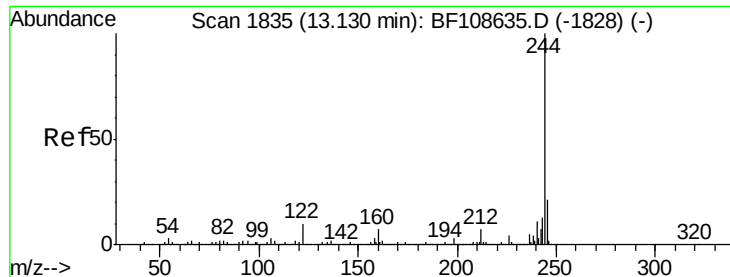


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.19 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF108771.D  
Acq: 5 Sep 2018 7:22

Tgt Ion:240 Resp: 171862  
Ion Ratio Lower Upper  
240 100  
120 8.8 9.5 14.3#  
236 26.5 20.7 31.1







#78

Terphenyl-d14

Concen: 5.495 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

Instrument :

BNA\_F

ClientSampleId :

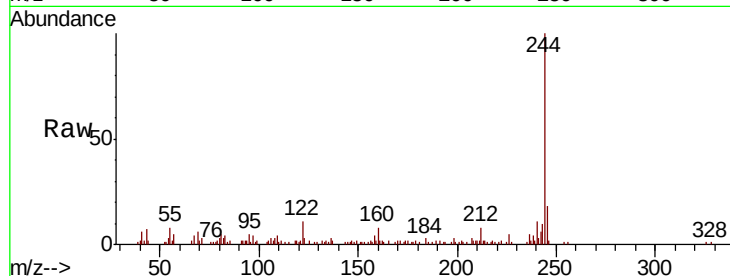
Tot Ion:244 Resp: 48606

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

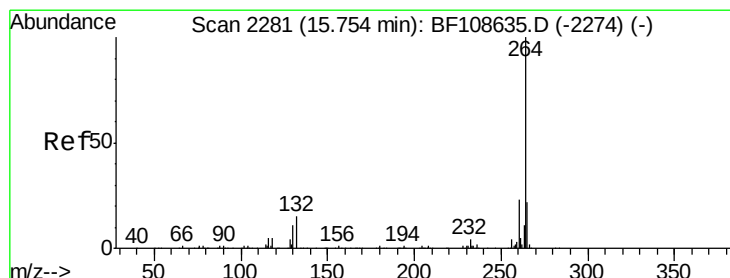
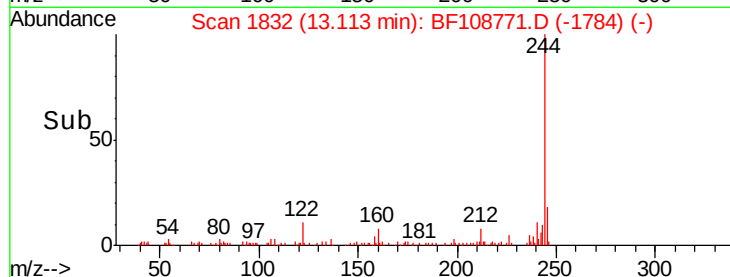
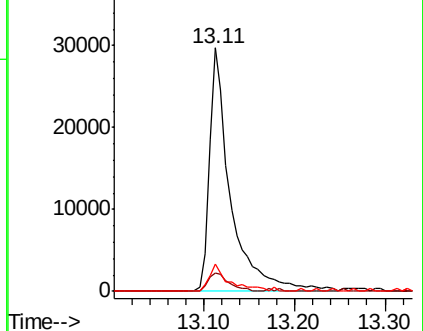
122 11.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF108771.D

Acq: 5 Sep 2018 7:22

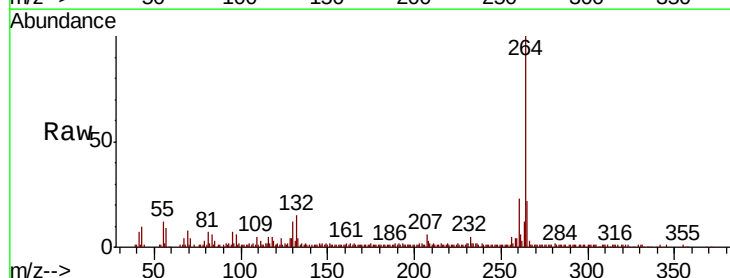
Tgt Ion:264 Resp: 135916

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.9 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

