

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\  
 Data File : BF108271.D  
 Acq On : 18 Aug 2018 4:36  
 Operator : JU/SJ  
 Sample : J4511-06  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081418-FL-028

Quant Time: Aug 18 05:51:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

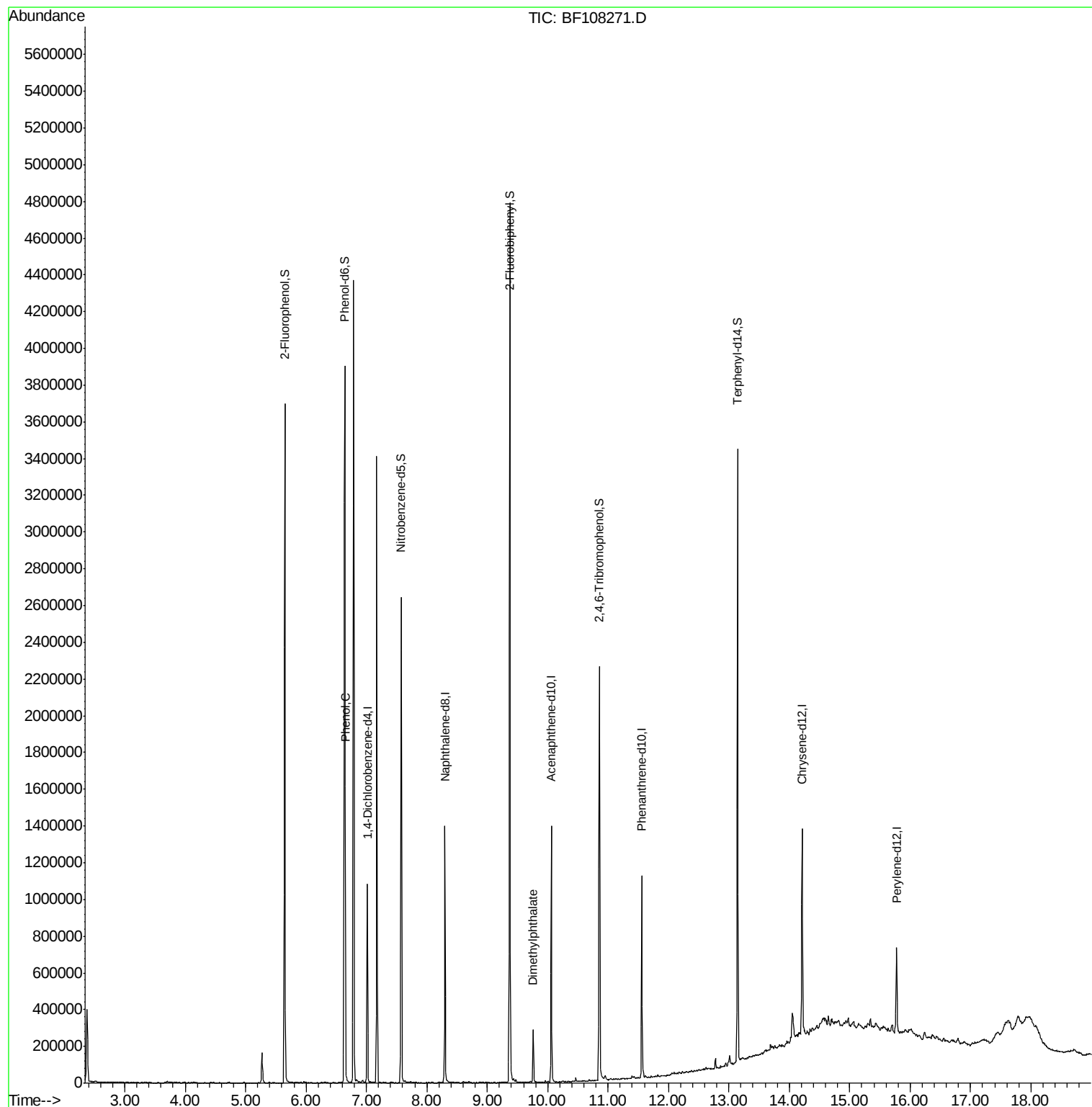
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.02  | 152  | 160089   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 582914   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.06 | 164  | 266190   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.56 | 188  | 400166   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.21 | 240  | 366220   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.78 | 264  | 246261   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 1003161  | 113.45 | ng    | 0.02     |
| 7) Phenol-d6                | 6.64  | 99   | 1334359  | 113.56 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 903841   | 86.52  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.86 | 330  | 281111   | 105.87 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 1608027  | 96.98  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.15 | 244  | 1197402  | 83.13  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.65  | 94   | 40335    | 3.319  | ng    | 93       |
| 49) Dimethylphthalate       | 9.77  | 163  | 117390   | 6.331  | ng    | # 99     |

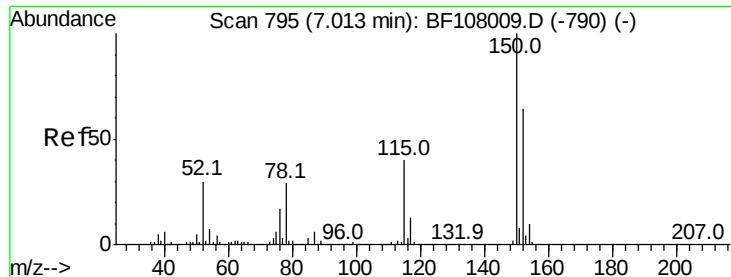
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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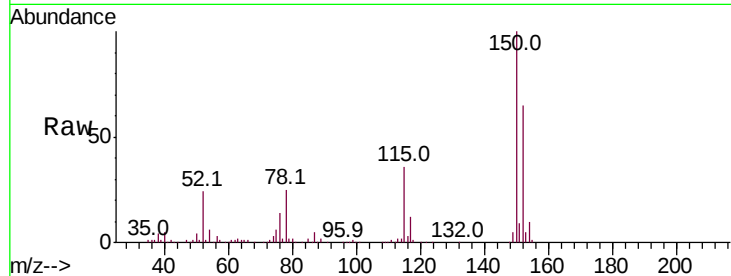


#1

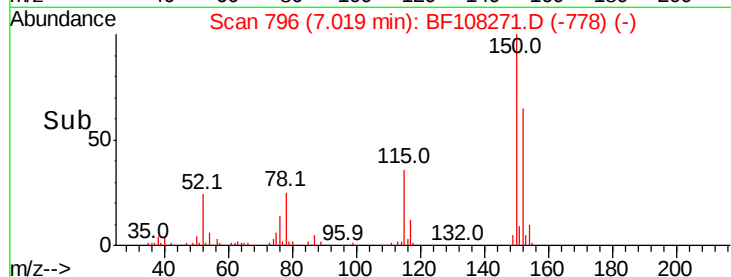
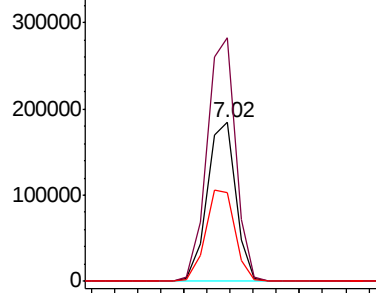
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.02 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081418-FL-028

Tot Ion:152 Resp: 160089  
Ion Ratio Lower Upper  
152 100  
150 153.3 124.6 186.8  
115 55.8 50.1 75.1



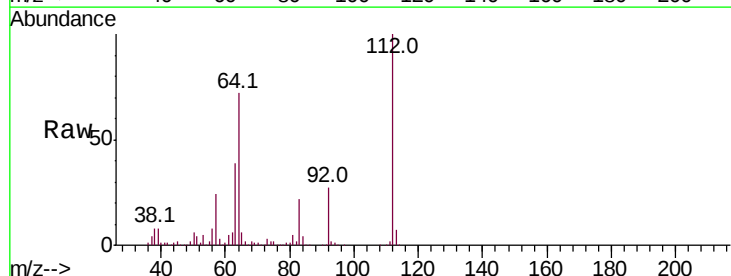
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



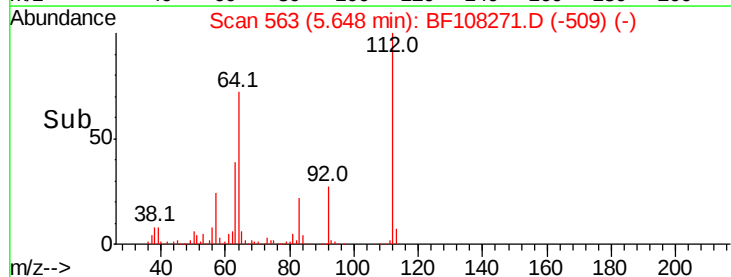
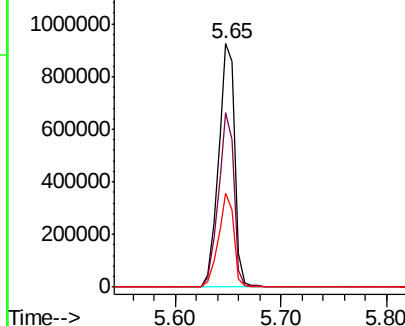
#5

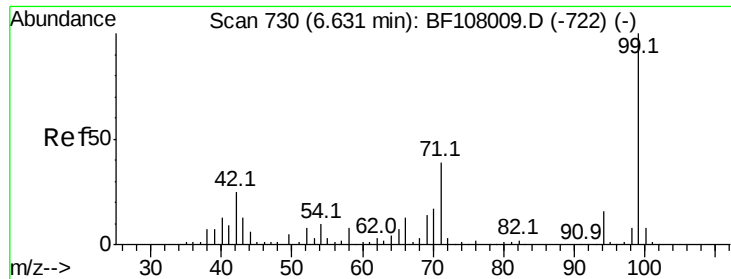
2-Fluorophenol  
Concen: 113.448 ng  
RT: 5.65 min Scan# 563  
Delta R.T. 0.02 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

Tgt Ion:112 Resp: 1003161  
Ion Ratio Lower Upper  
112 100  
64 71.7 47.9 71.9  
63 38.5 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: 113.558 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

BNA\_F

ClientSampleId :

RA-081418-FL-028

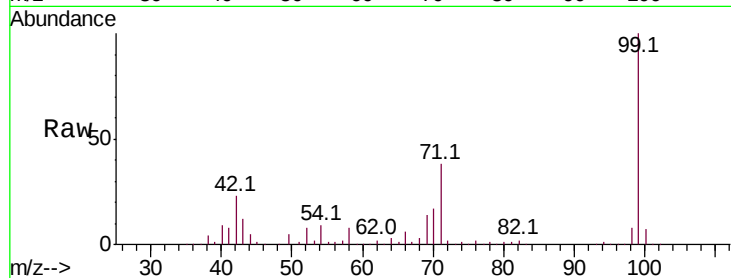
Tot Ion: 99 Resp: 1334359

Ion Ratio Lower Upper

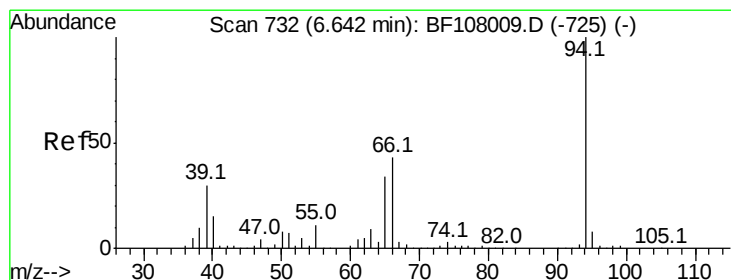
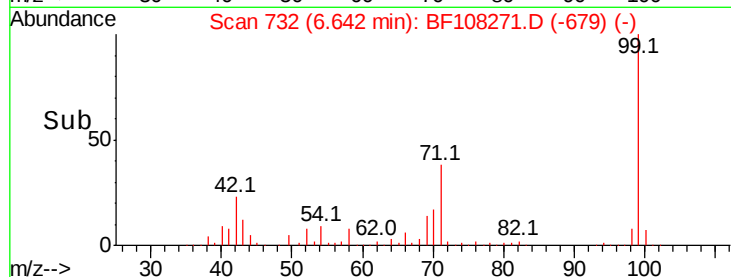
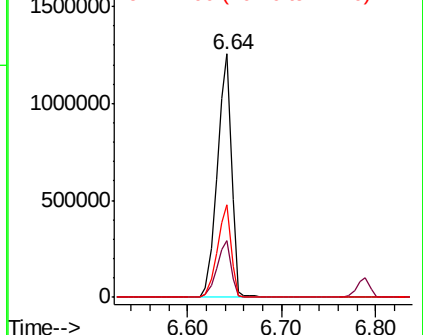
99 100

42 23.1 14.5 21.7#

71 37.9 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: 3.319 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

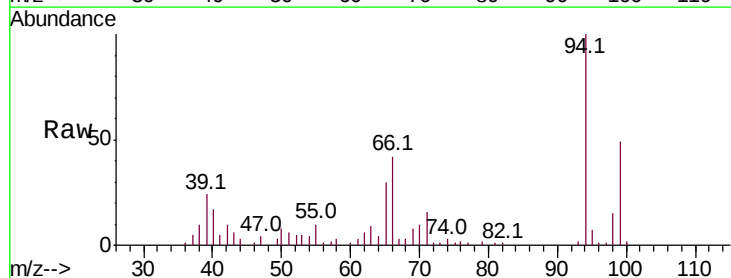
Tgt Ion: 94 Resp: 40335

Ion Ratio Lower Upper

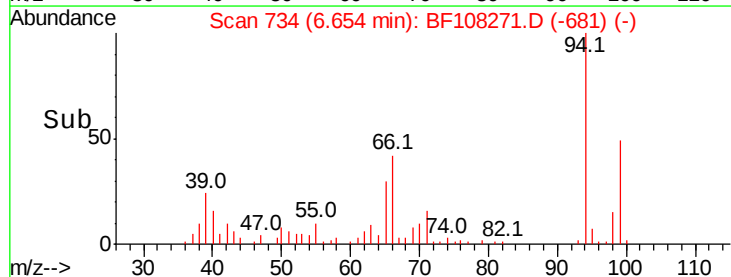
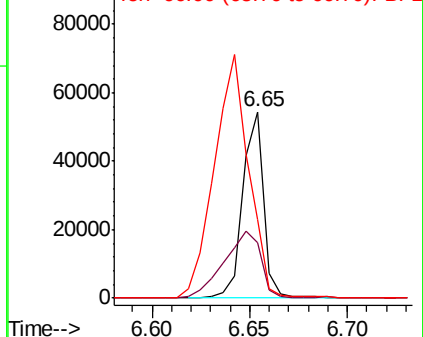
94 100

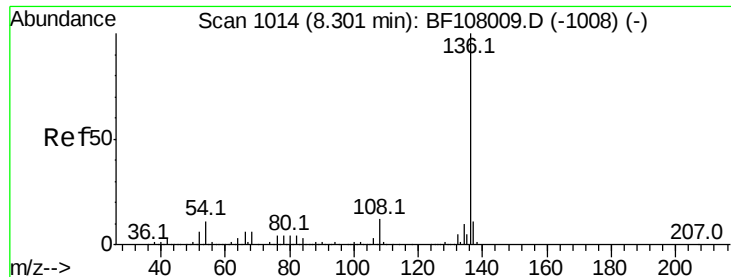
65 29.9 7.9 47.9

66 42.1 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

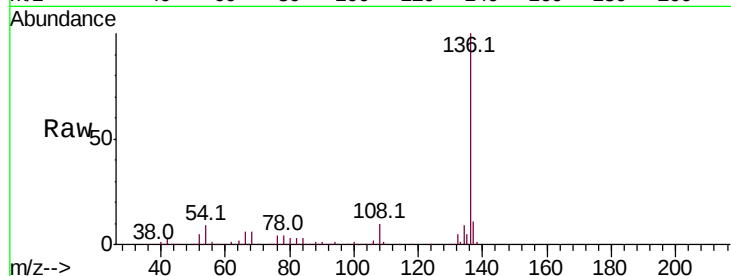




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.30 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081418-FL-028

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 582914 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.9 13.3     |
| 54 9.4      | 6.6 9.8      |
| 68 5.6      | 5.0 7.4      |



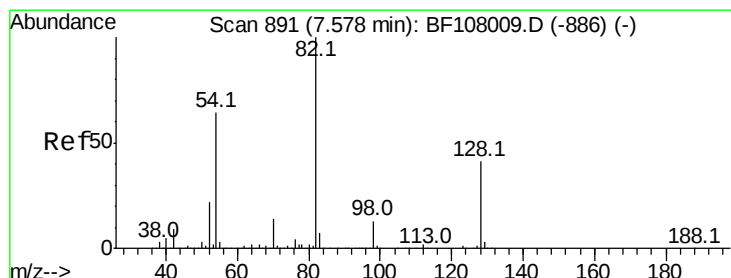
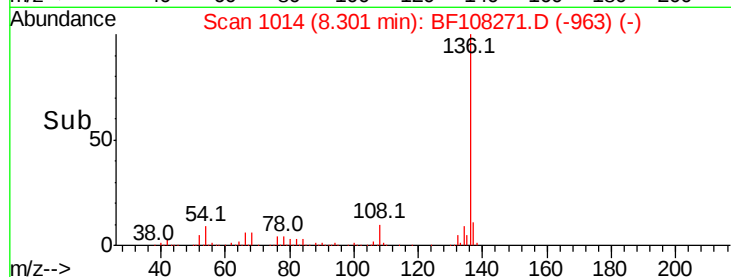
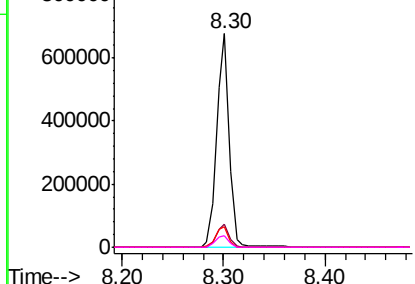
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

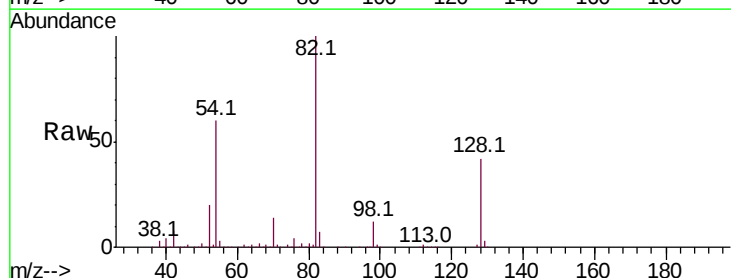
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 86.523 ng  
RT: 7.58 min Scan# 891  
Delta R.T. -0.00 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 903841 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 41.5    | 36.1 54.1    |
| 54 59.6     | 41.4 62.2    |

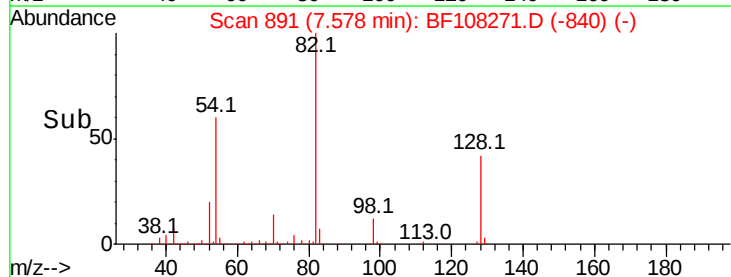
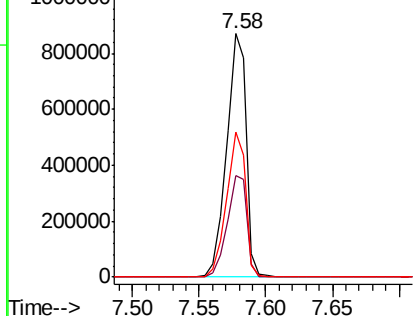


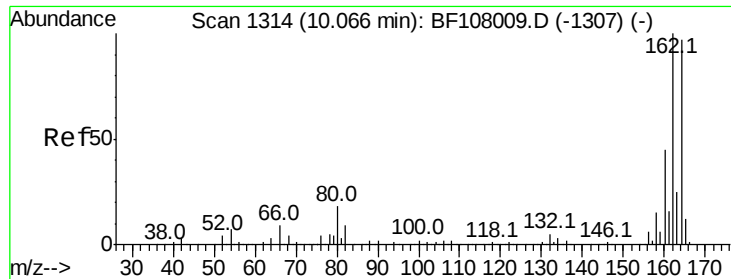
Abundance

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

BNA\_F

ClientSampleId :

RA-081418-FL-028

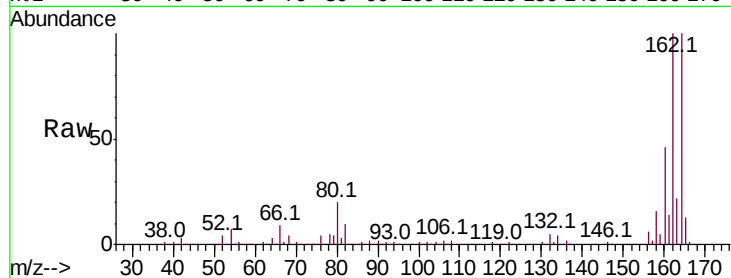
Tot Ion:164 Resp: 266190

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

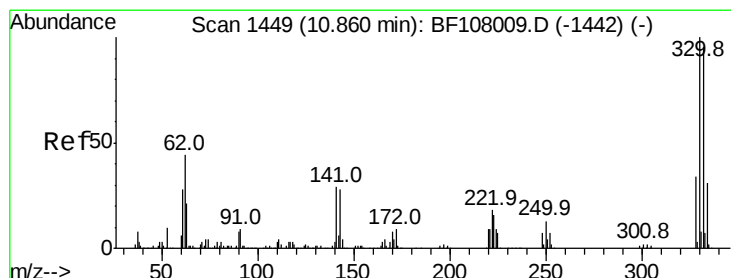
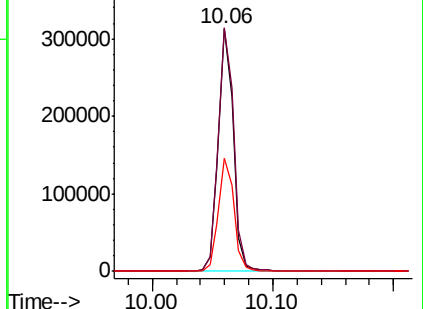
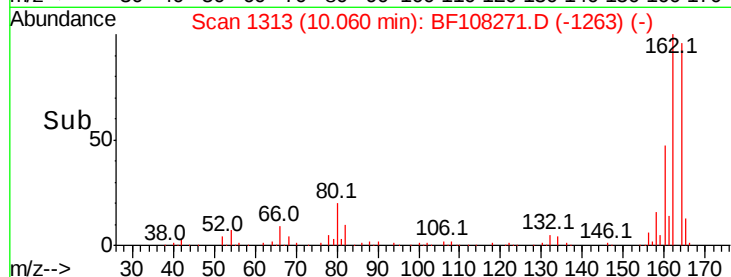
160 46.5 38.3 57.5



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: 105.873 ng

RT: 10.86 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

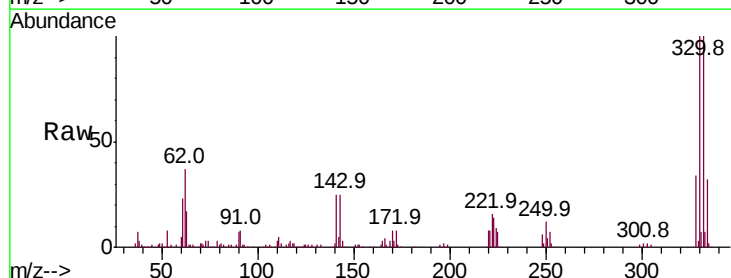
Tgt Ion:330 Resp: 281111

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

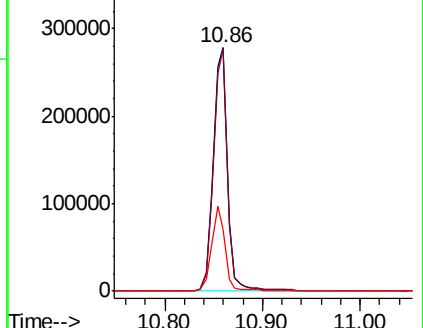
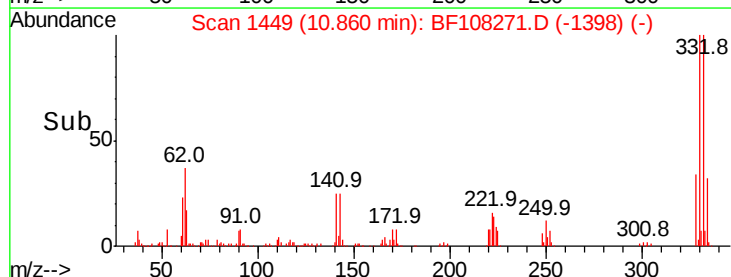
141 33.2 29.9 44.9

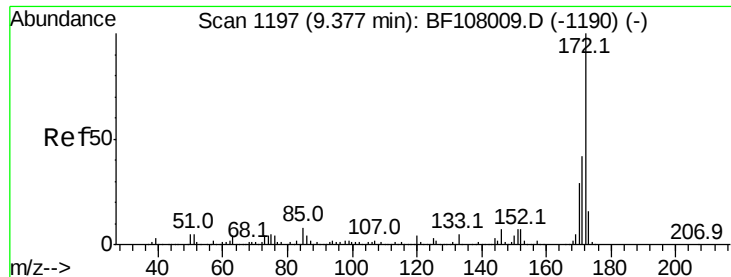


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



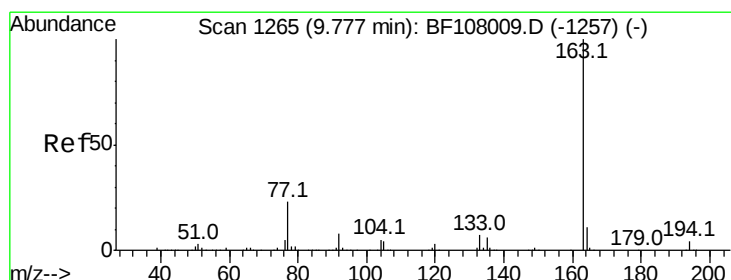
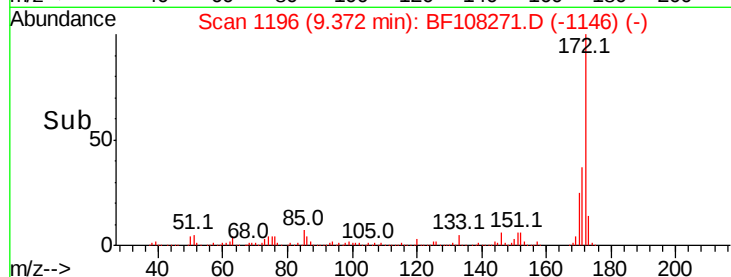
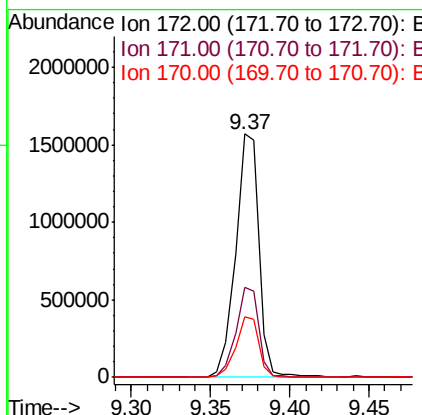
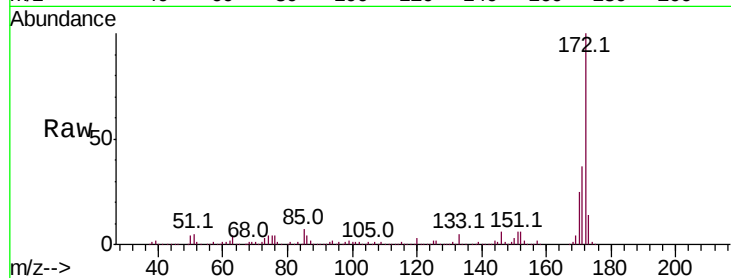


#44  
 2-Fluorobiphenyl  
 Concen: 96.985 ng  
 RT: 9.37 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF108271.D  
 Acq: 18 Aug 2018 4:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081418-FL-028

Tot Ion:172 Resp: 1608027  

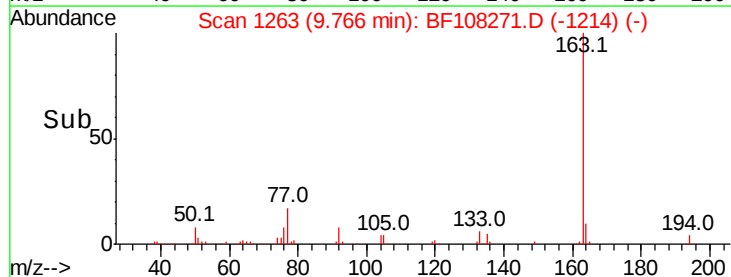
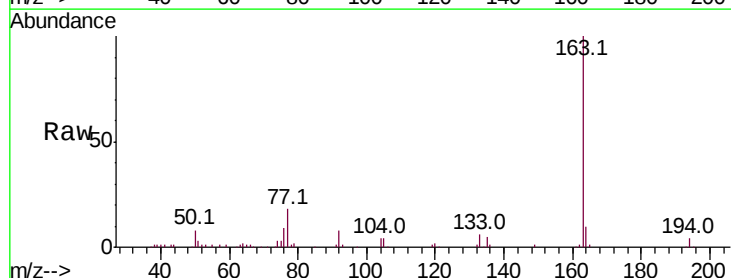
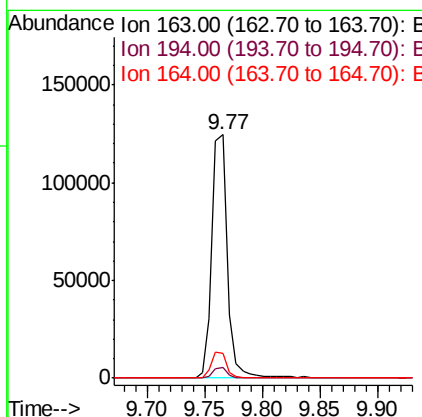
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.8  | 29.7  | 44.5  |
| 170 | 24.8  | 19.6  | 29.4  |

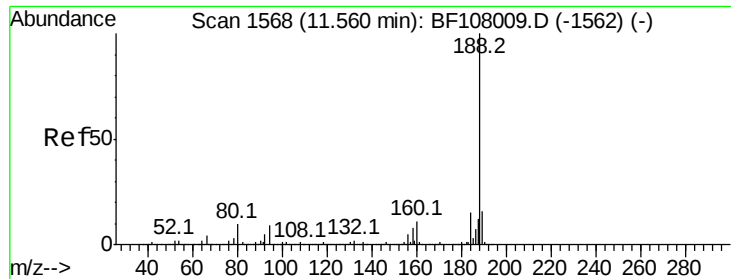


#49  
 Dimethylphthalate  
 Concen: 6.331 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. -0.01 min  
 Lab File: BF108271.D  
 Acq: 18 Aug 2018 4:36

Tgt Ion:163 Resp: 117390  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.4   | 2.7   | 4.1#  |
| 164 | 10.0  | 8.2   | 12.2  |

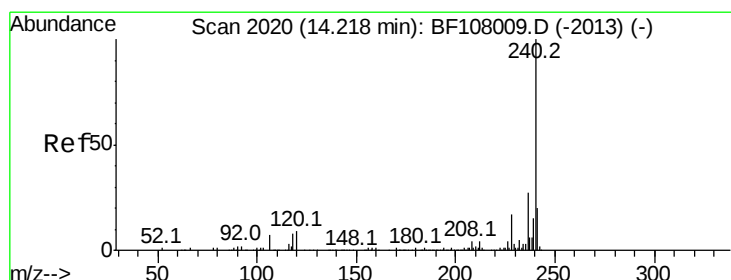
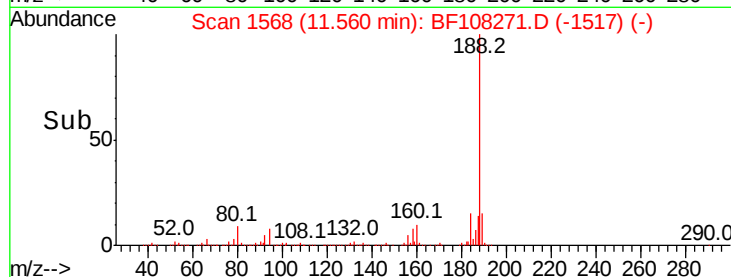
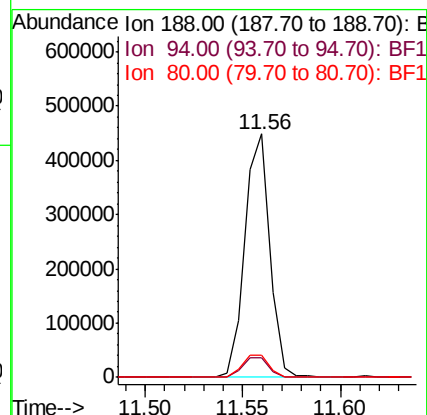
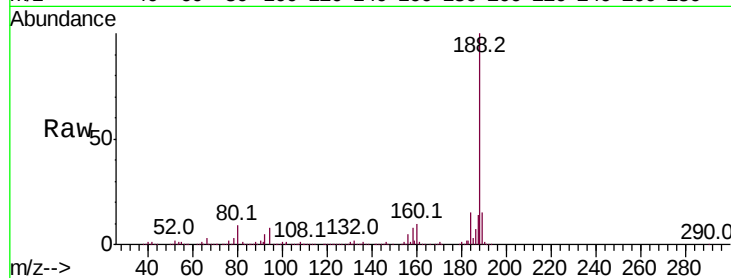




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.56 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

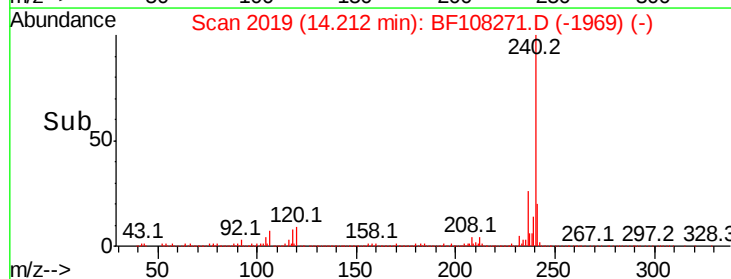
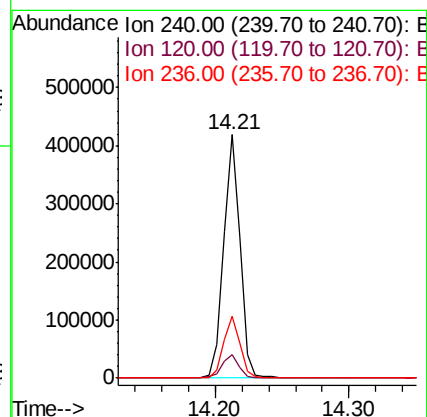
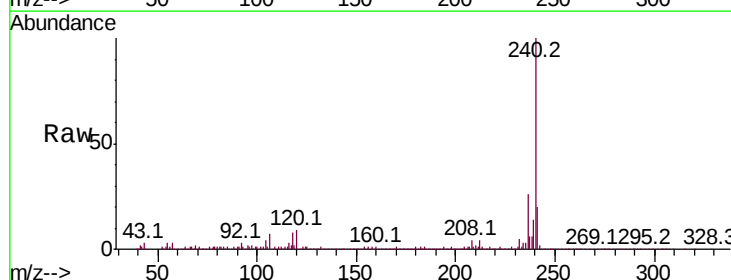
Instrument :  
BNA\_F  
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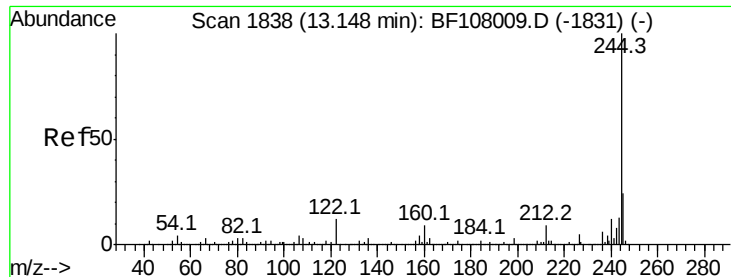
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 8.5   | 12.7# |
| 80      | 8.9   | 9.2   | 13.8# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.21 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF108271.D  
Acq: 18 Aug 2018 4:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 9.5   | 14.3# |
| 236     | 25.7  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 83.132 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

BNA\_F

ClientSampleId :

RA-081418-FL-028

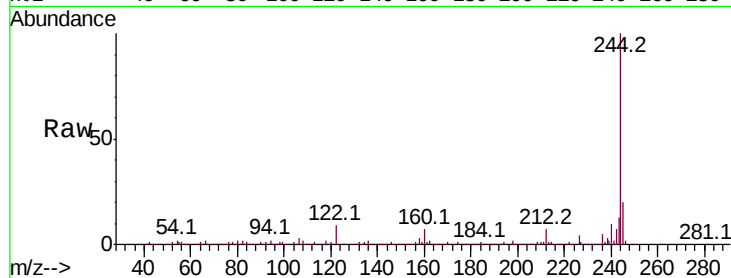
Tot Ion:244 Resp: 1197402

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

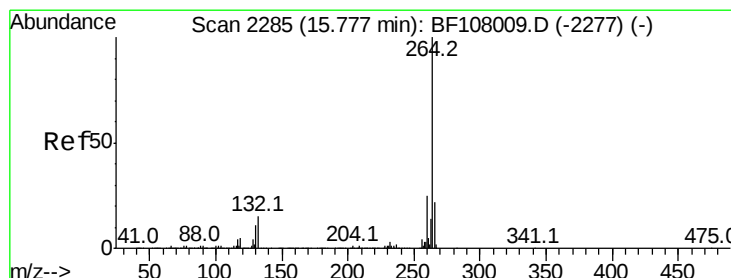
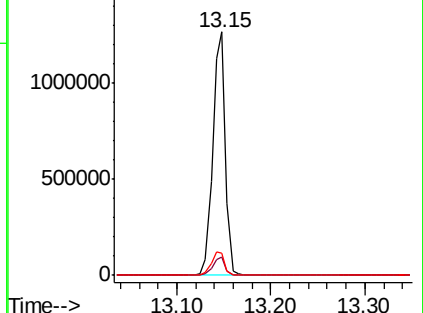
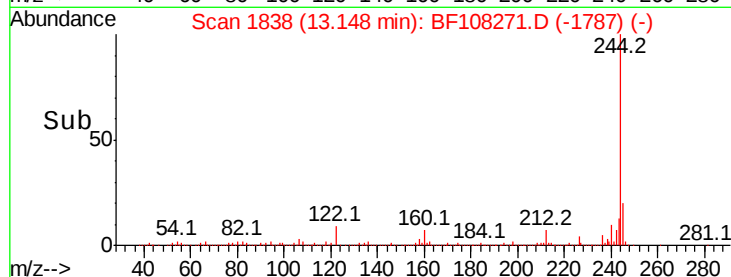
122 9.0 11.0 16.4#



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: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

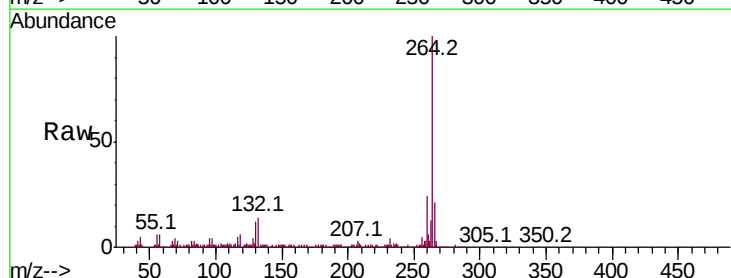
Tgt Ion:264 Resp: 246261

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 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

