

Data File : BF108837.D  
Acq On : 6 Sep 2018 21:37  
Operator : JU/SJ  
Sample : J4803-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-H5

Quant Time: Sep 07 01:46:35 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 242053   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 917546   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 427569   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 699262   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 566510   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.27 | 264  | 666605   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 1078749 | 73.83 | ng | 0.00  |
| 7) Phenol-d6                | 6.37  | 99  | 1389724 | 73.92 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 870043  | 59.34 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 296805  | 72.71 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 1474669 | 58.84 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.82 | 244 | 1161201 | 47.80 | ng | 0.00  |

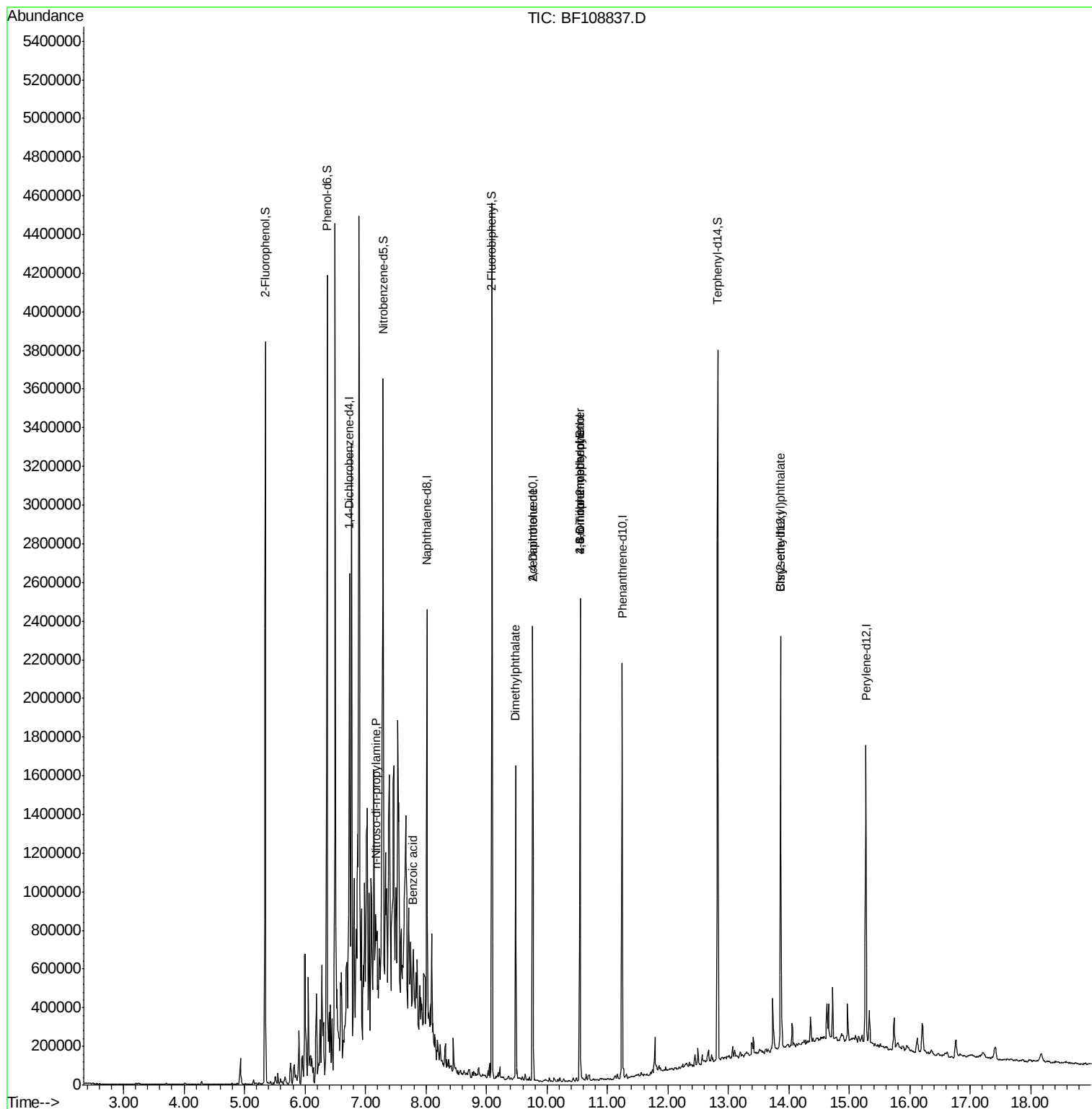
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.17  | 70  | 48099  | 3.681  | ng | # 62 |
| 32) Benzoic acid               | 7.80  | 122 | 1614   | 4.222  | ng | # 1  |
| 49) Dimethylphthalate          | 9.48  | 163 | 548752 | 18.350 | ng | 99   |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165 | 53290  | 7.313  | ng | # 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 656    | 7.073  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248 | 17924  | 2.269  | ng | # 1  |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 83282  | 3.376  | ng | 97   |

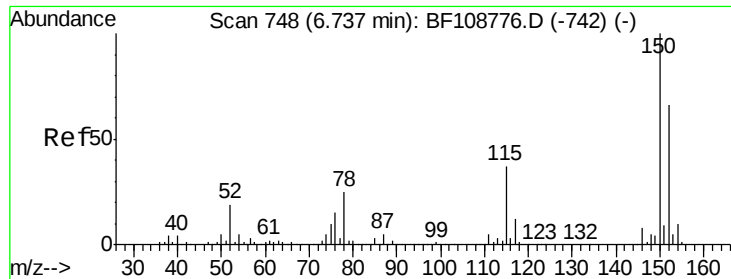
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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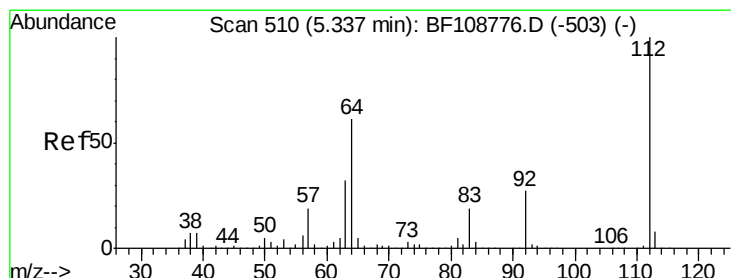
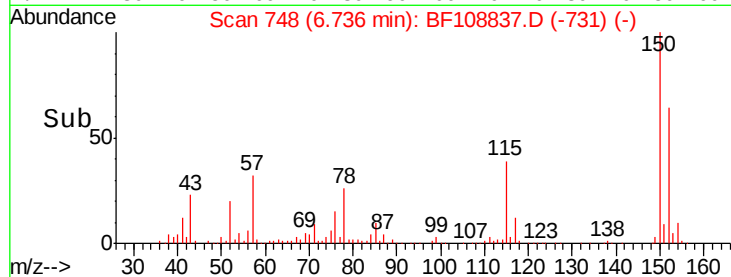
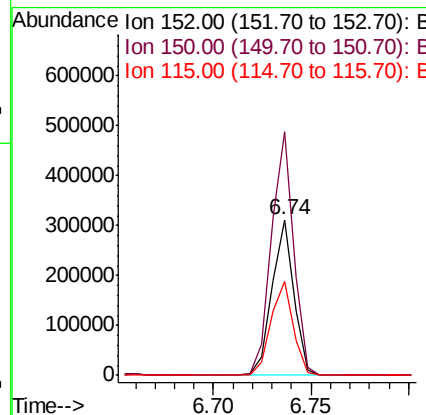
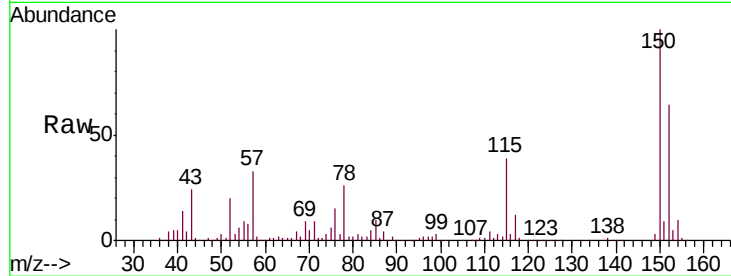


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-H5

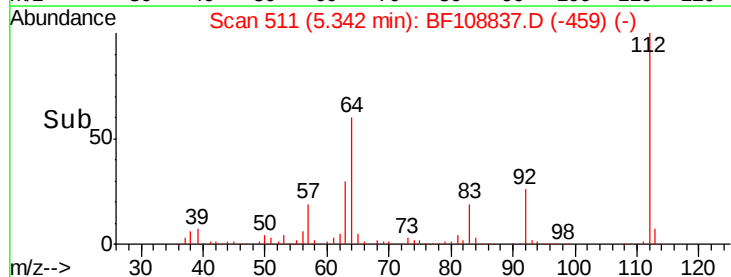
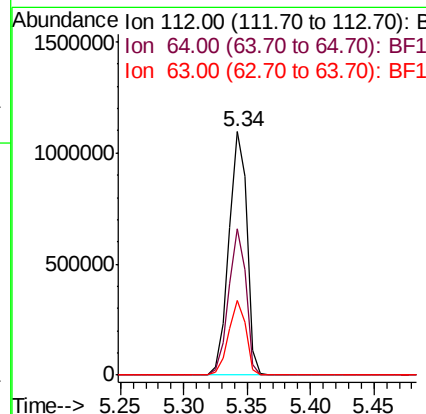
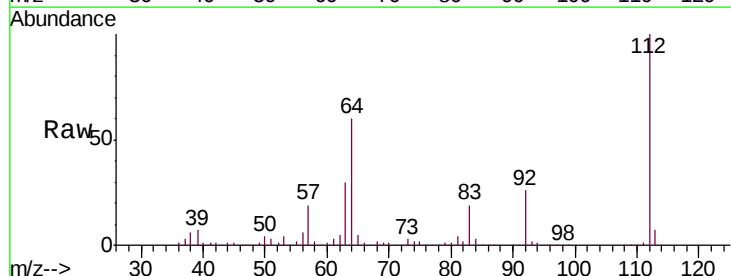
Tgt Ion:152 Resp: 242053  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.6 186.8  
115 60.4 50.1 75.1

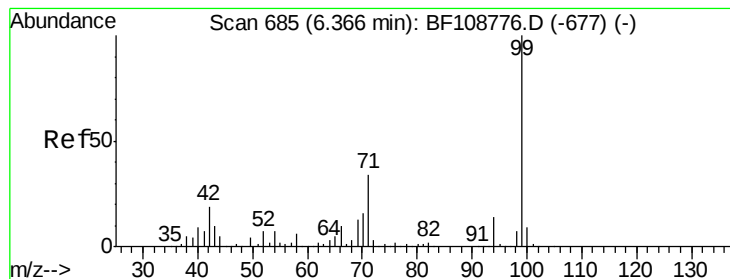


#5

2-Fluorophenol  
Concen: 73.832 ng  
RT: 5.34 min Scan# 511  
Delta R.T. 0.01 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Tgt Ion:112 Resp: 1078749  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.9 71.9  
63 30.5 23.7 35.5





#7

Phenol-d6

Concen: 73.925 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108837.D

Acq: 6 Sep 2018 21:37

Instrument :

BNA\_F

ClientSampleId :

EP1-Q2-H5

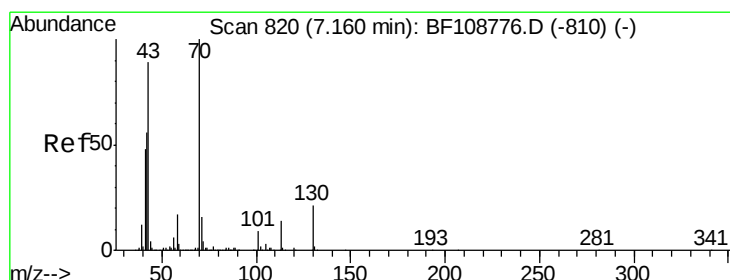
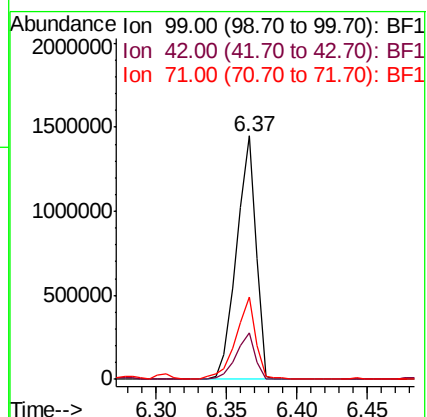
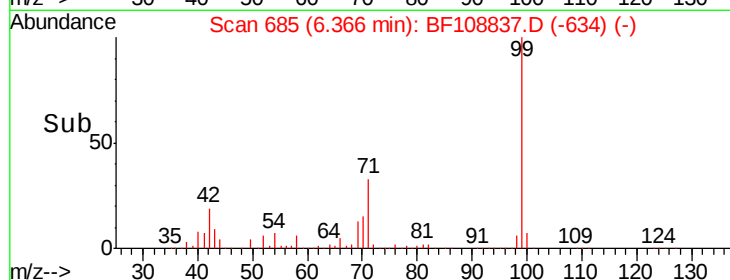
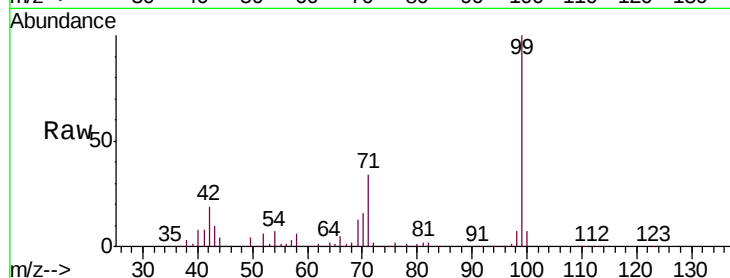
Tgt Ion: 99 Resp: 1389724

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 33.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.681 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF108837.D

Acq: 6 Sep 2018 21:37

Tgt Ion: 70 Resp: 48099

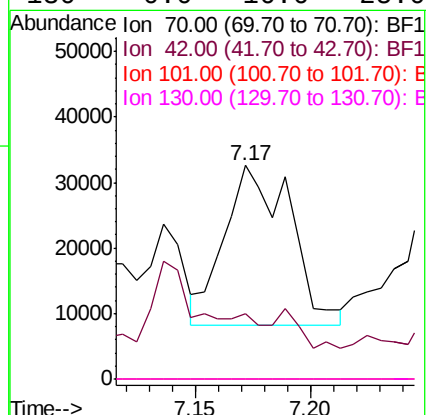
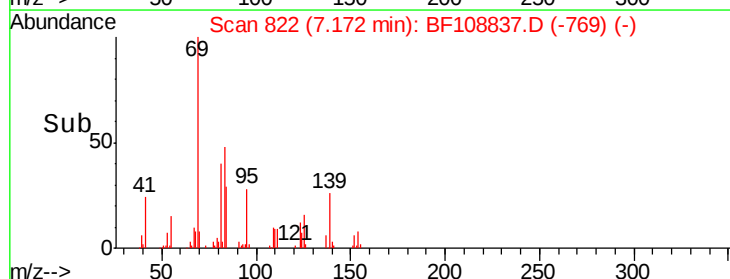
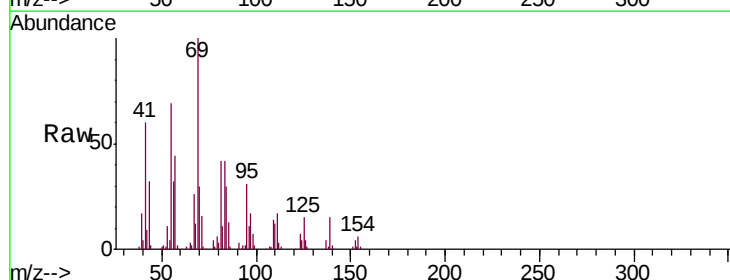
Ion Ratio Lower Upper

70 100

42 30.6 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

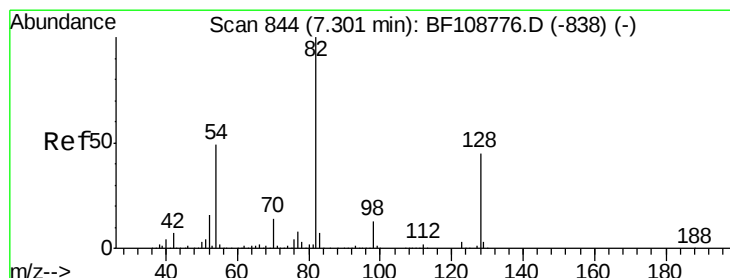
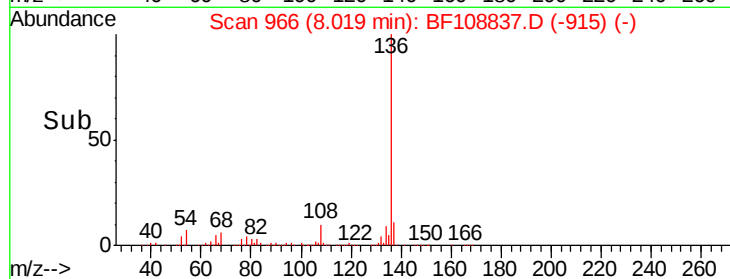
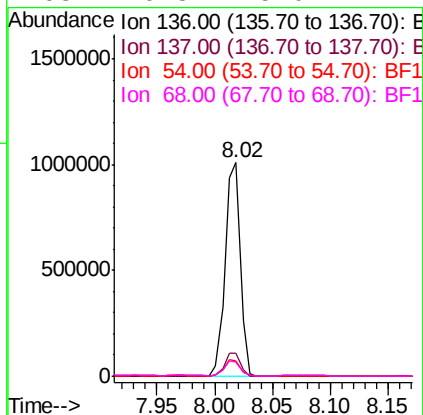
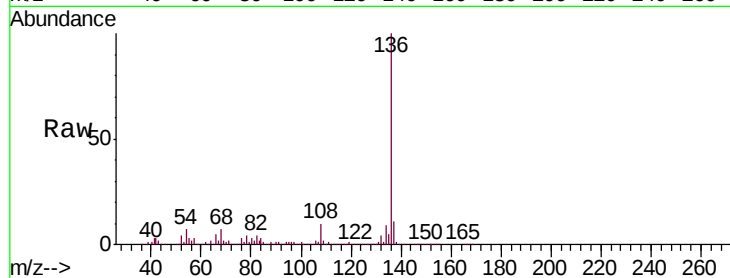




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

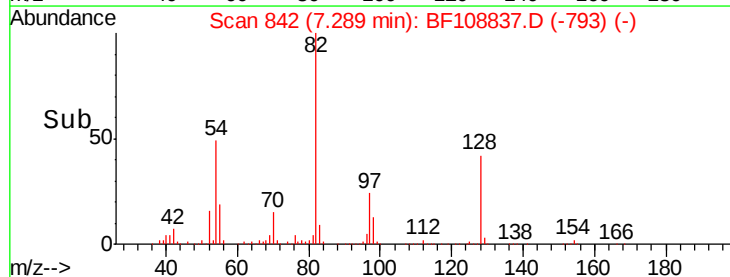
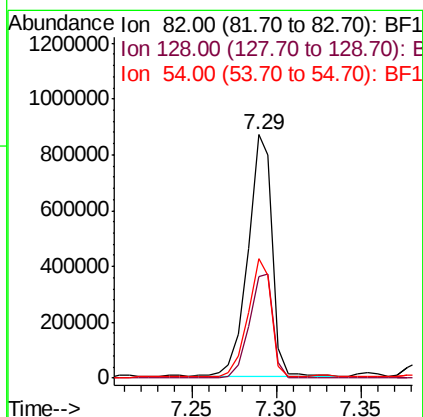
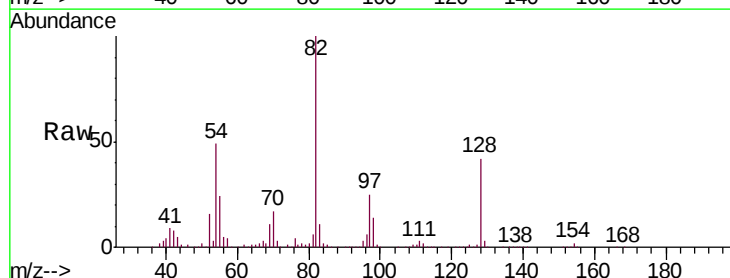
Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-H5

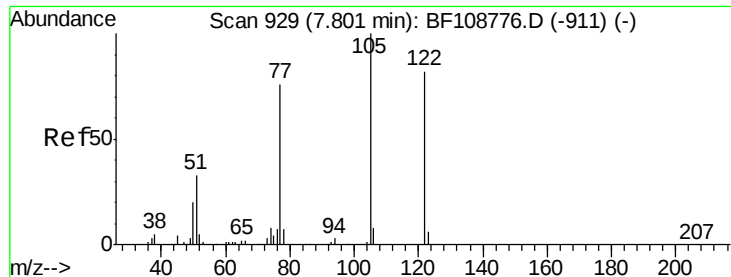
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 917546 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 6.8   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 59.341 ng  
RT: 7.29 min Scan# 842  
Delta R.T. -0.01 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 870043 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.9  | 36.1  | 54.1   |
| 54       | 48.9  | 41.4  | 62.2   |

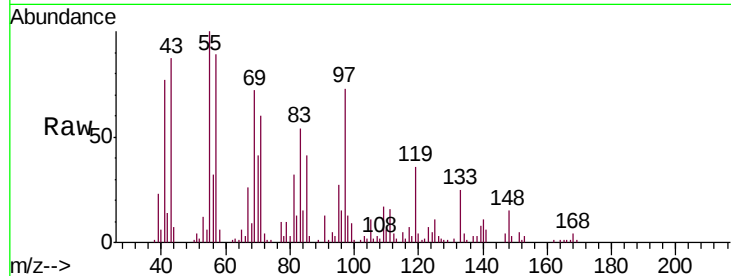




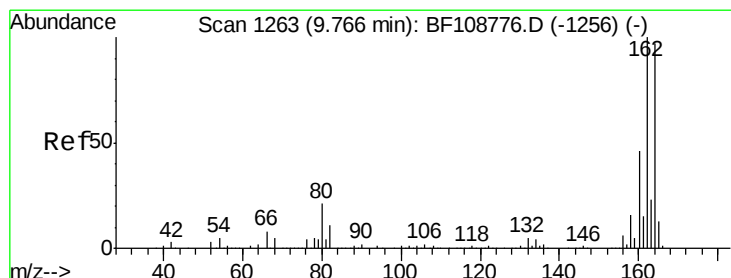
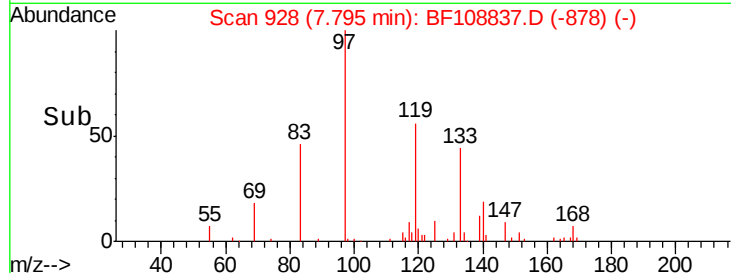
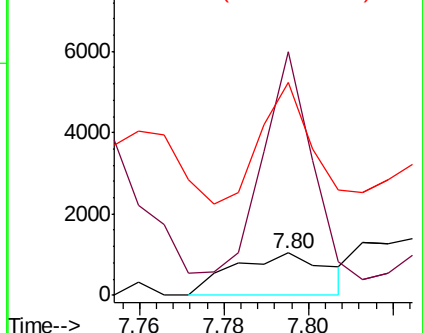
#32  
Benzoic acid  
Concen: 4.222 ng  
RT: 7.80 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-H5

Tgt Ion:122 Resp: 1614  
Ion Ratio Lower Upper  
122 100  
105 575.7 101.1 141.1#  
77 504.6 70.7 110.7#

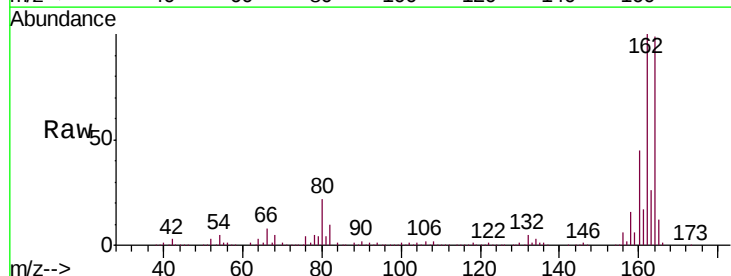


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

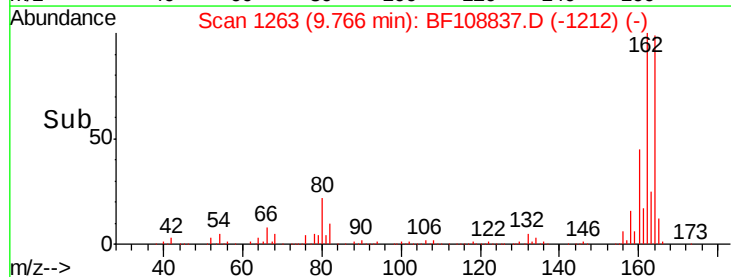
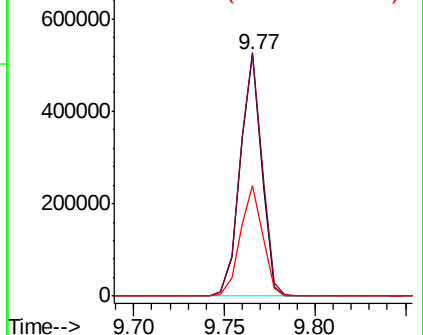


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Tgt Ion:164 Resp: 427569  
Ion Ratio Lower Upper  
164 100  
162 100.6 86.1 129.1  
160 45.5 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

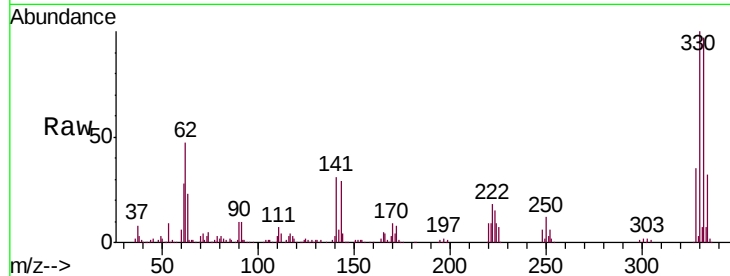




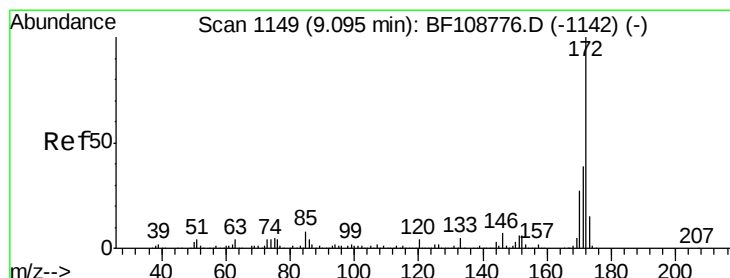
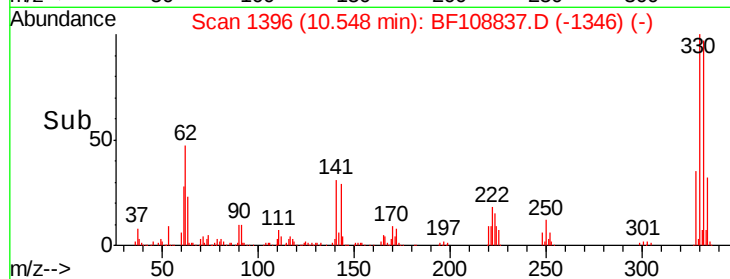
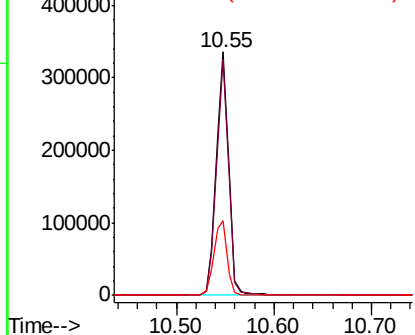
#41  
 2,4,6-Tribromophenol  
 Concen: 72.715 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF108837.D  
 Acq: 6 Sep 2018 21:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-H5

Tgt Ion:330 Resp: 296805  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 77.0 115.6  
 141 32.7 29.9 44.9

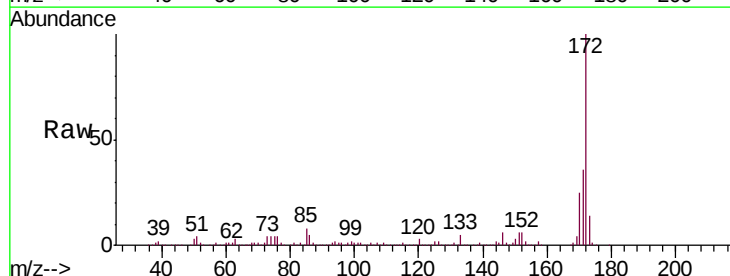


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

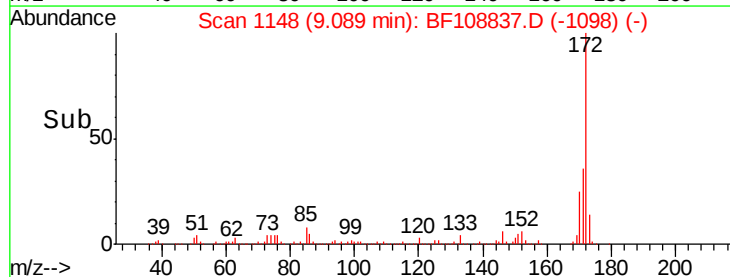
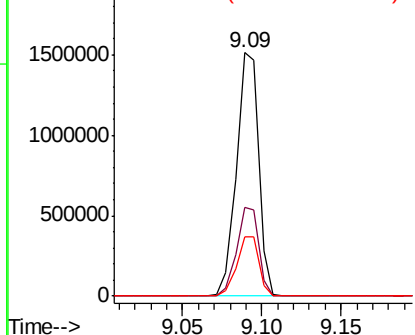


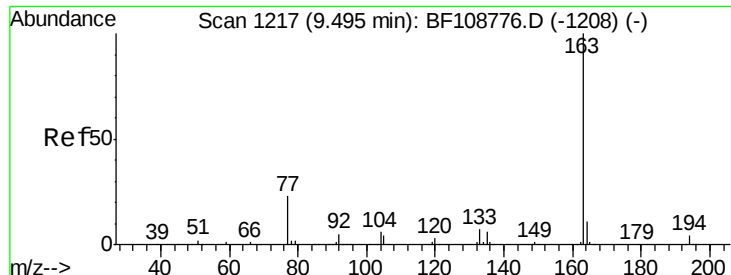
#44  
 2-Fluorobiphenyl  
 Concen: 58.839 ng  
 RT: 9.09 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BF108837.D  
 Acq: 6 Sep 2018 21:37

Tgt Ion:172 Resp: 1474669  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 24.5 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

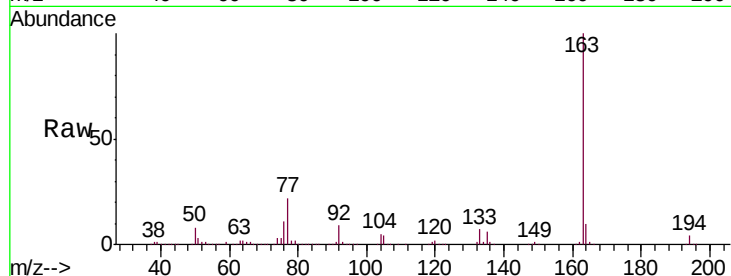




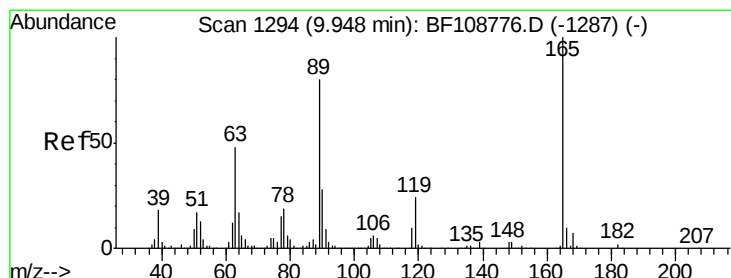
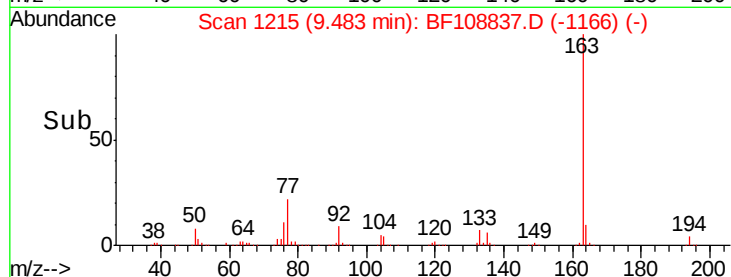
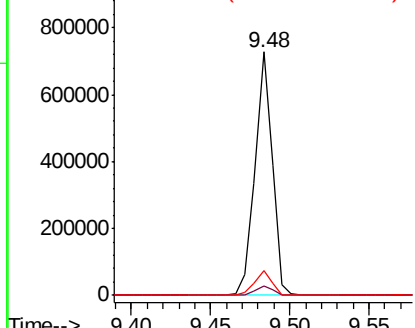
#49  
Dimethylphthalate  
Concen: 18.350 ng  
RT: 9.48 min Scan# 1215  
Delta R.T. -0.01 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Instrument :  
BNA\_F  
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EP1-Q2-H5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.7   | 4.1   |
| 164     | 10.1  | 8.2   | 12.2  |

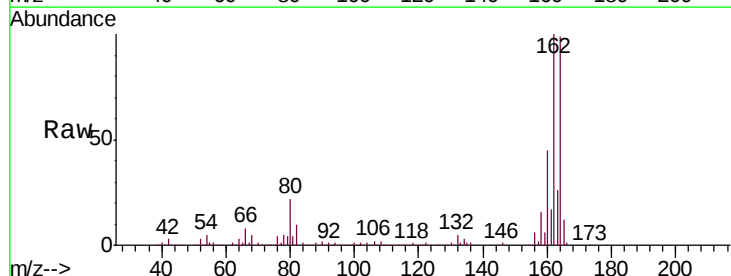


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

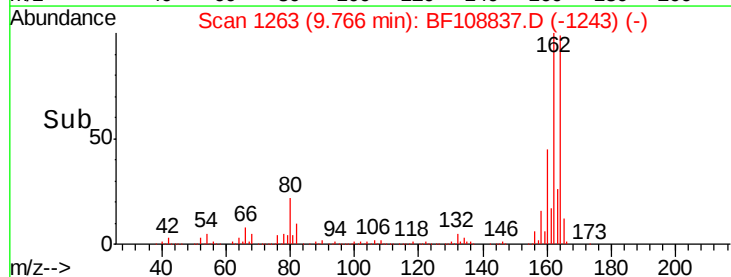
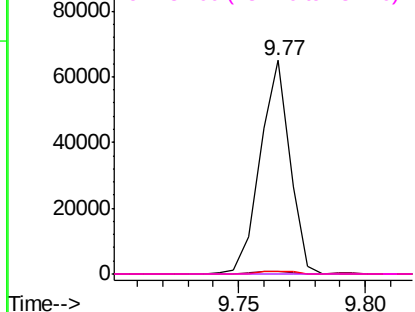


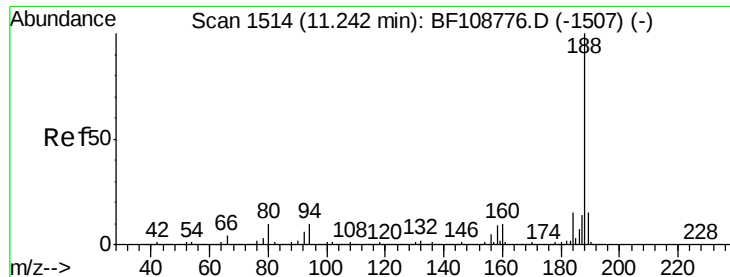
#56  
2,4-Dinitrotoluene  
Concen: 7.313 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.18 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.4  | 54.6# |
| 89      | 1.5   | 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

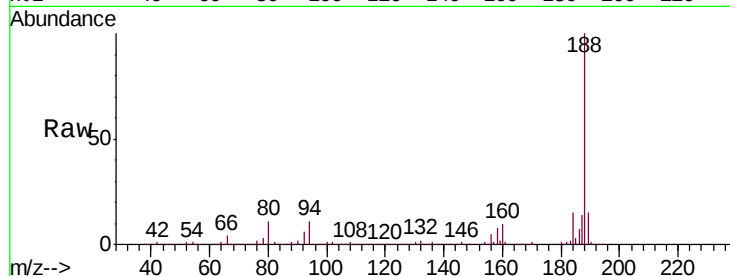




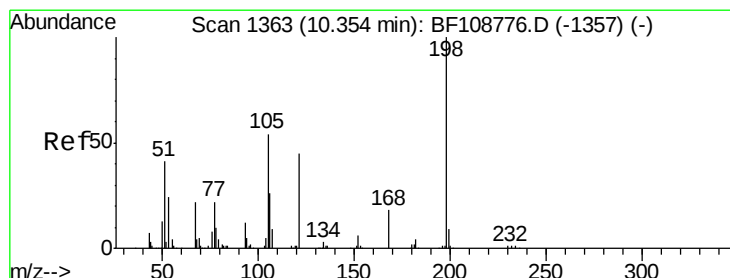
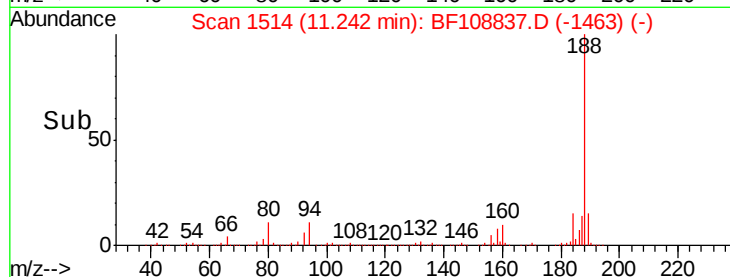
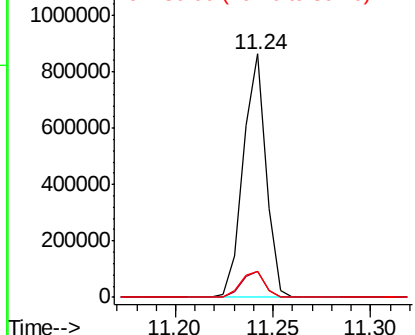
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-H5

Tgt Ion:188 Resp: 699262  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.5 12.7  
80 10.9 9.2 13.8

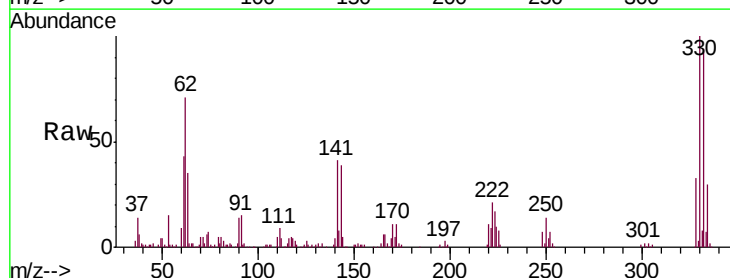


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1



#64  
4,6-Dinitro-2-methylphenol  
Concen: 7.073 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. 0.19 min  
Lab File: BF108837.D  
Acq: 6 Sep 2018 21:37

Tgt Ion:198 Resp: 656  
Ion Ratio Lower Upper  
198 100  
51 138.4 37.7 77.7#  
105 175.3 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

