

Data File : BF108833.D  
Acq On : 6 Sep 2018 19:47  
Operator : JU/SJ  
Sample : J4803-06  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-F7

Quant Time: Sep 07 01:45:35 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  | 287339   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 1122985  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 531501   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 896756   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 644952   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.27 | 264  | 731449   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.35  | 112 | 1201249 | 69.26 | ng | 0.01 |
| 7) Phenol-d6                | 6.37  | 99  | 1563456 | 70.06 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.30  | 82  | 973940  | 54.28 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 356026  | 70.17 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.10  | 172 | 1718288 | 55.15 | ng | 0.00 |
| 78) Terphenyl-d14           | 12.82 | 244 | 1351058 | 48.85 | ng | 0.00 |

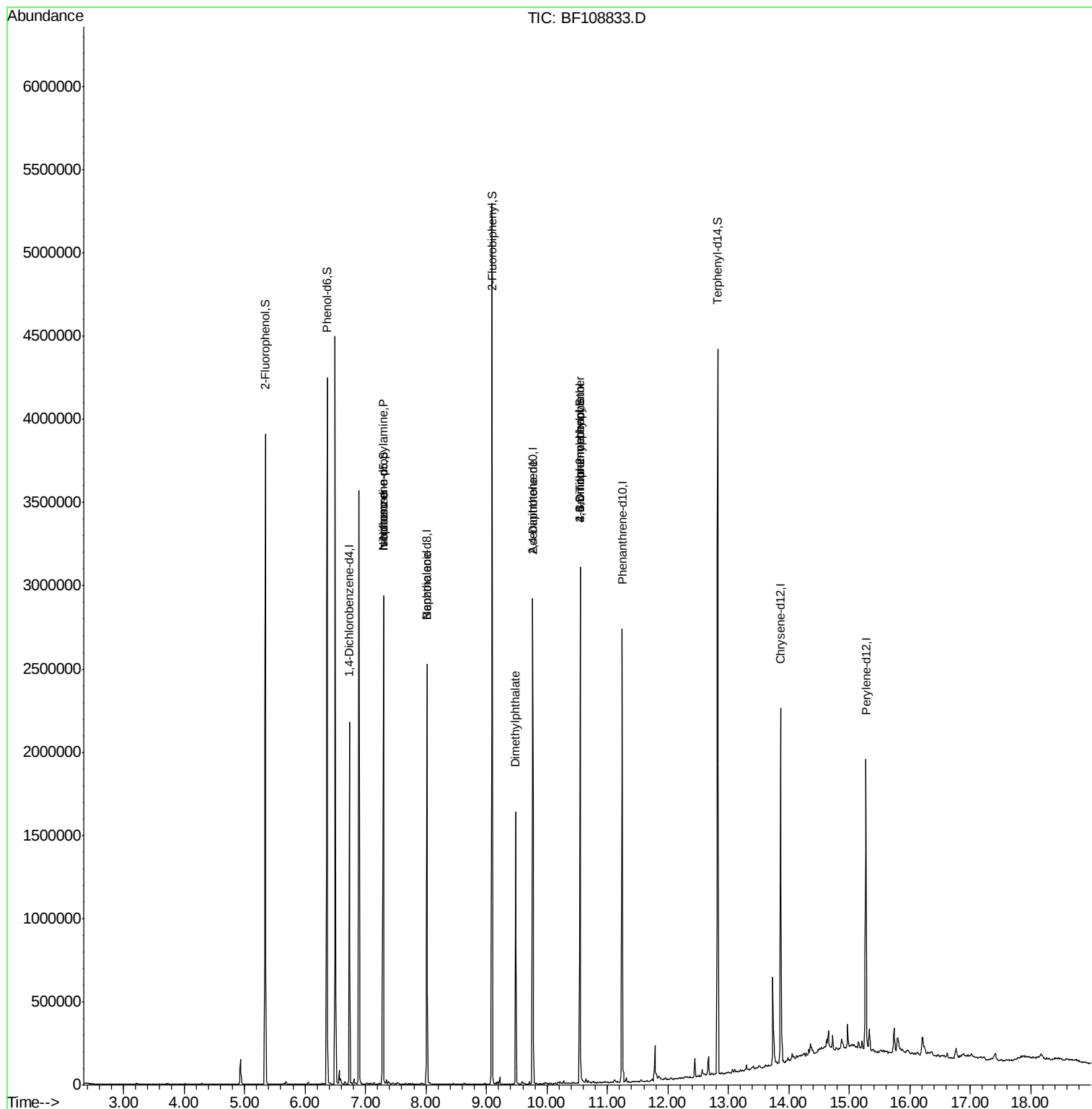
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70  | 132674 | 8.553  | ng | # 75 |
| 25) Isophorone                 | 7.30  | 82  | 964156 | 26.937 | ng | # 64 |
| 32) Benzoic acid               | 8.02  | 122 | 118    | 4.029  | ng | # 1  |
| 49) Dimethylphthalate          | 9.48  | 163 | 563378 | 15.155 | ng | 99   |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165 | 68154  | 7.523  | ng | # 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 666    | 7.030  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248 | 21865  | 2.159  | ng | # 1  |

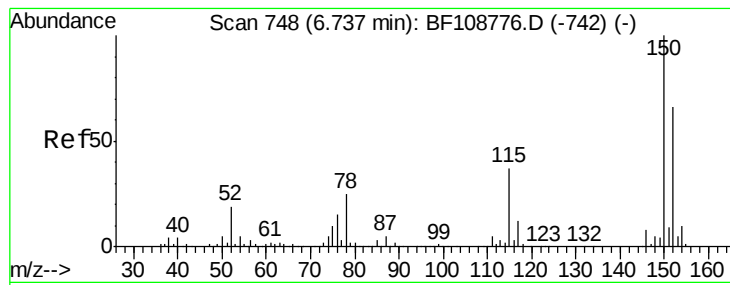
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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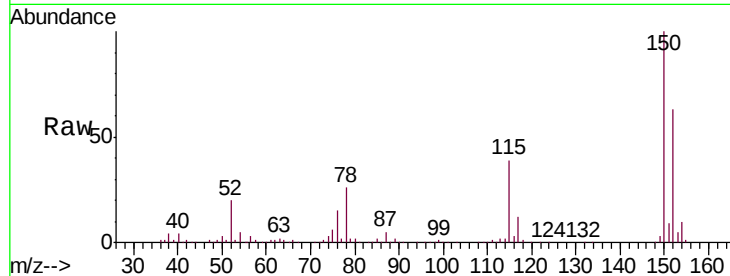




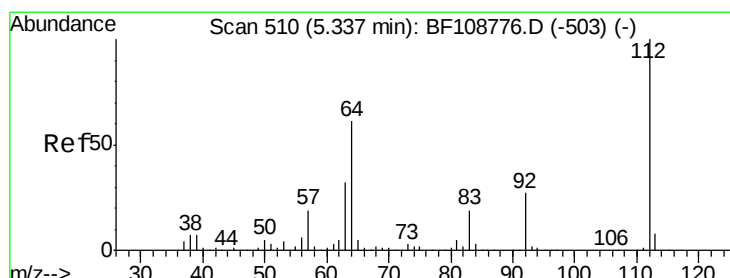
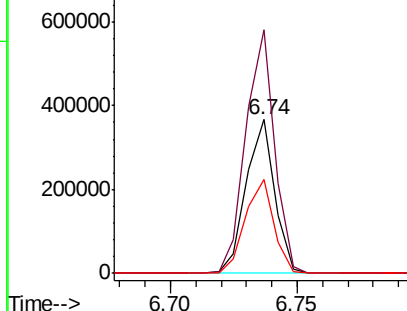
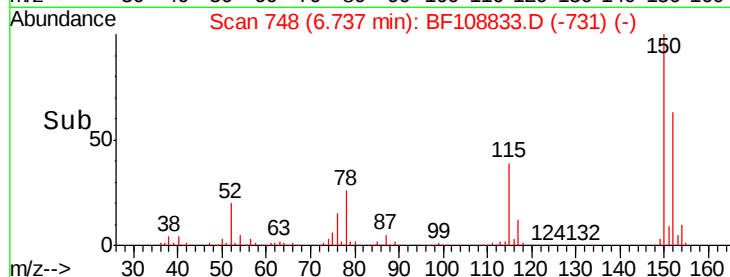
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 748  
 Delta R.T. 0.00 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-F7

Tgt Ion:152 Resp: 287339  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 124.6 186.8  
 115 61.3 50.1 75.1

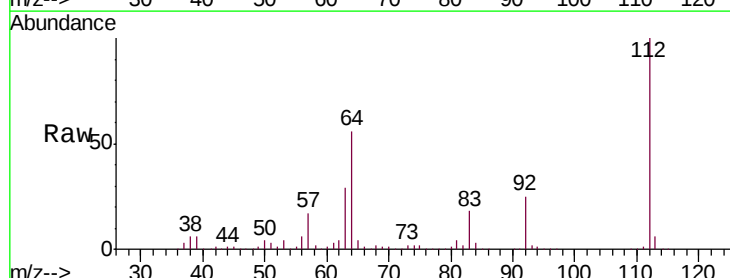


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

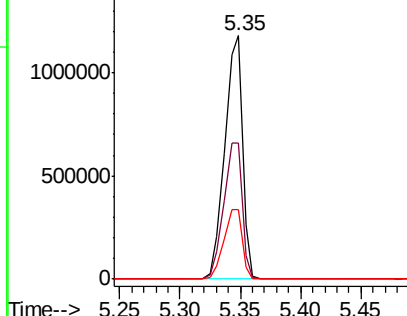
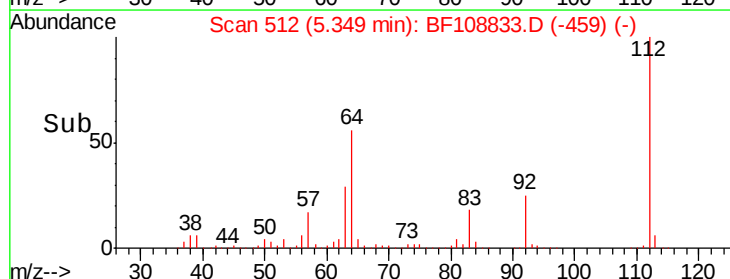


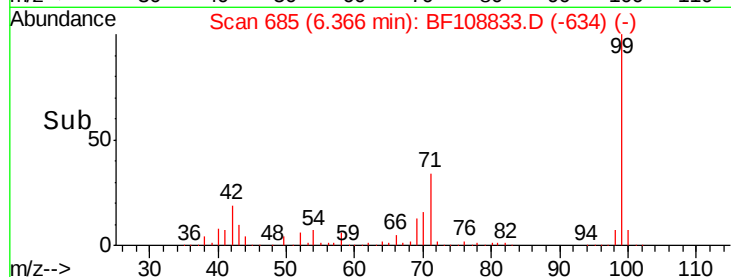
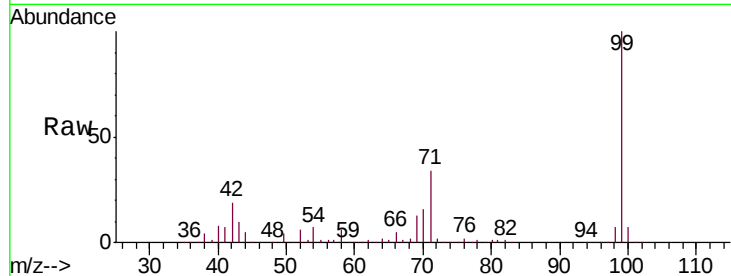
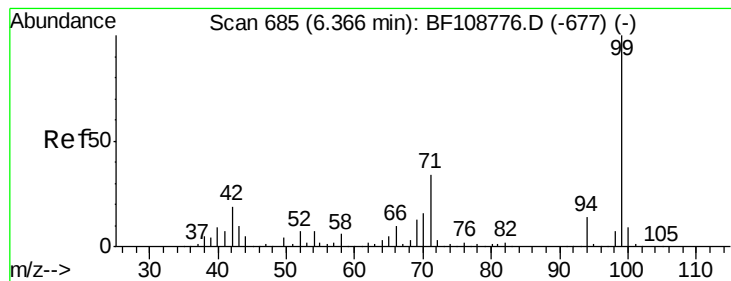
#5  
 2-Fluorophenol  
 Concen: 69.259 ng  
 RT: 5.35 min Scan# 512  
 Delta R.T. 0.01 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Tgt Ion:112 Resp: 1201249  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 47.9 71.9  
 63 28.6 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: 70.059 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108833.D

Acq: 6 Sep 2018 19:47

Instrument :

BNA\_F

ClientSampleId :

EP1-Q2-F7

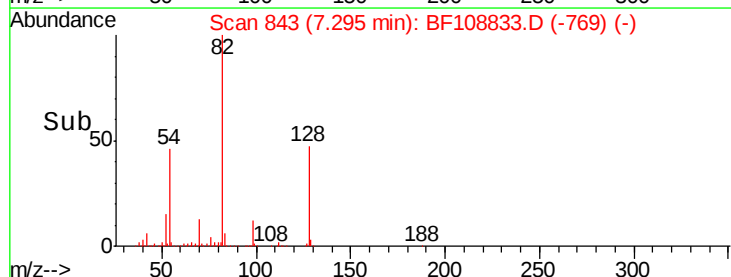
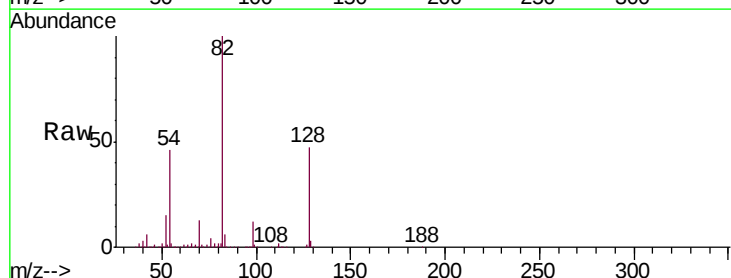
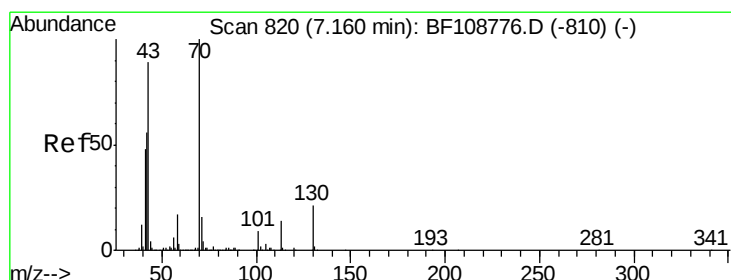
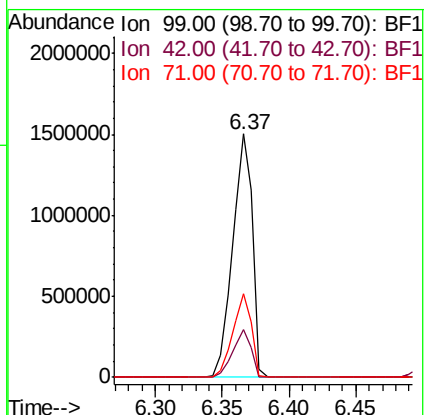
Tgt Ion: 99 Resp: 1563456

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 34.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.553 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108833.D

Acq: 6 Sep 2018 19:47

Tgt Ion: 70 Resp: 132674

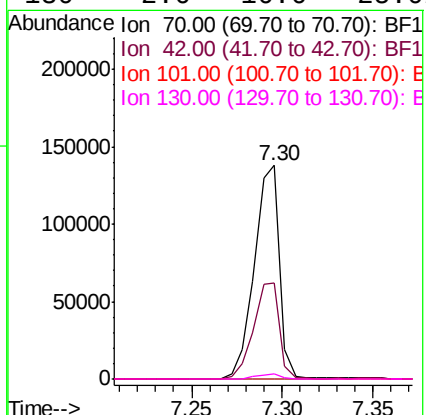
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 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: BF108833.D

Acq: 6 Sep 2018 19:47

Instrument :

BNA\_F

ClientSampleId :

EP1-Q2-F7

Tgt Ion:136 Resp: 1122985

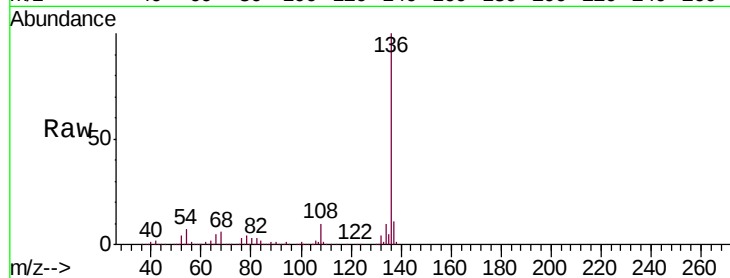
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.6 9.8

68 6.4 5.0 7.4

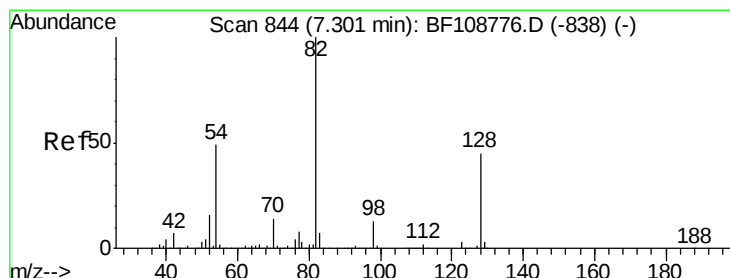
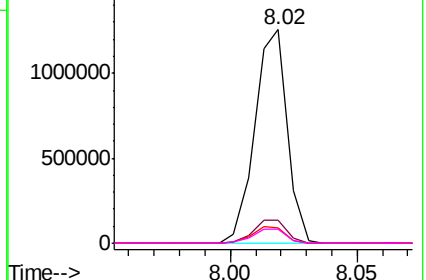
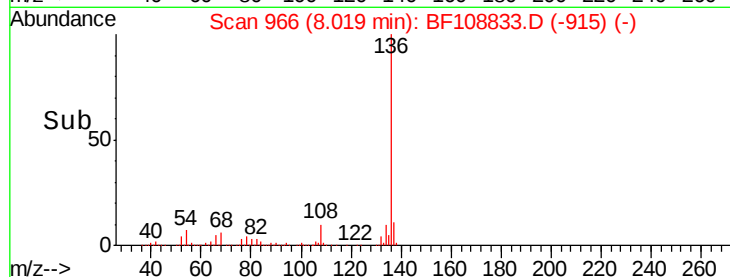


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.275 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF108833.D

Acq: 6 Sep 2018 19:47

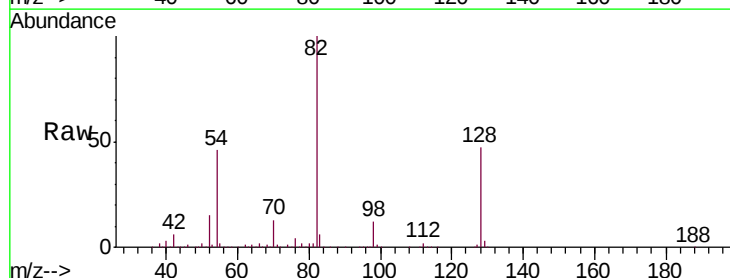
Tgt Ion: 82 Resp: 973940

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

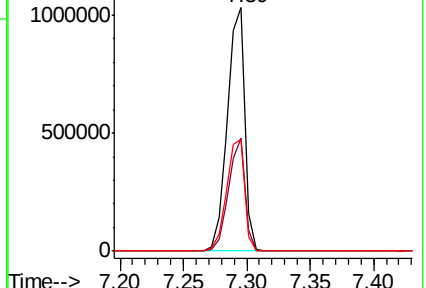
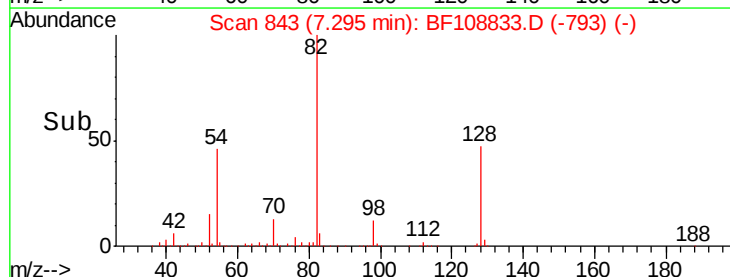
54 46.0 41.4 62.2

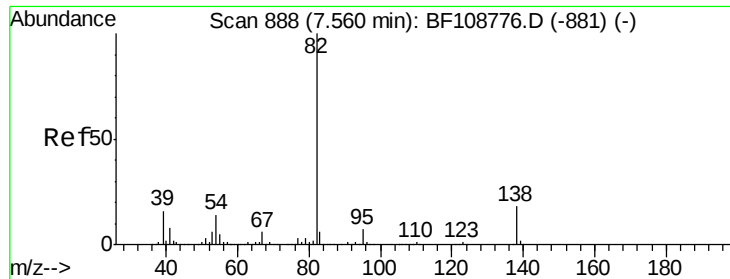


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

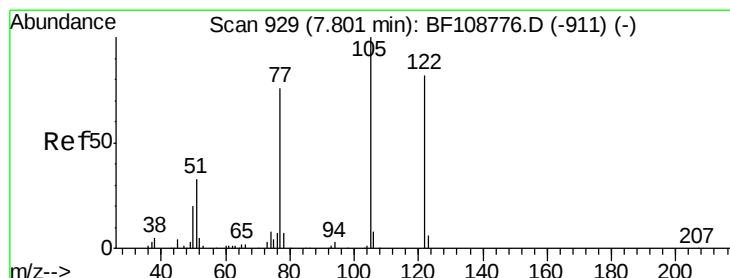
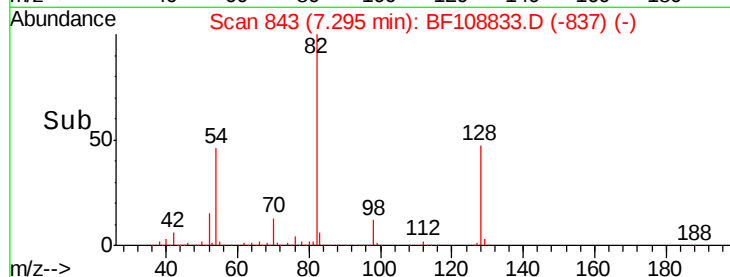
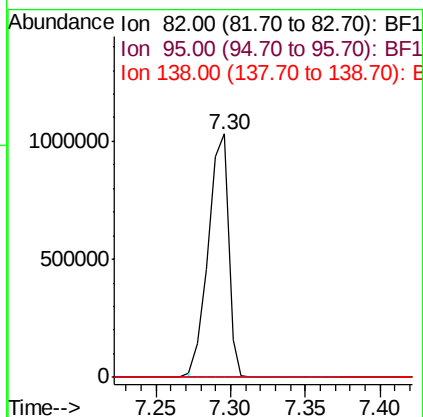
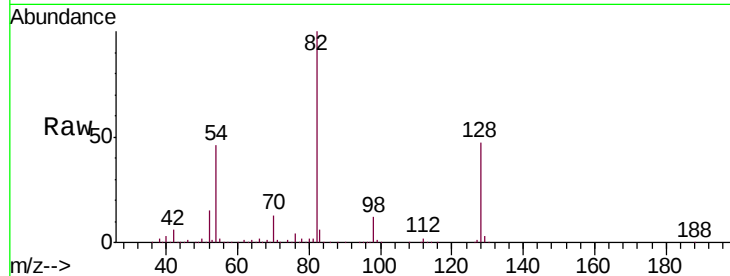




#25  
Isophorone  
Concen: 26.937 ng  
RT: 7.30 min Scan# 843  
Delta R.T. -0.26 min  
Lab File: BF108833.D  
Acq: 6 Sep 2018 19:47

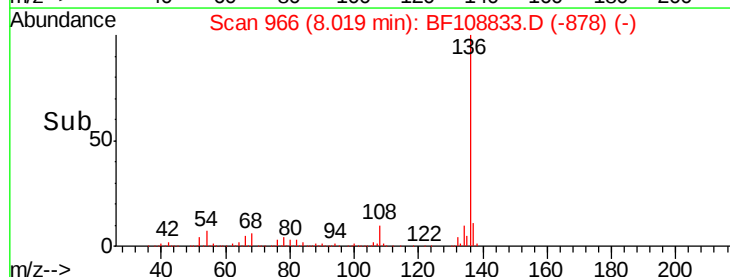
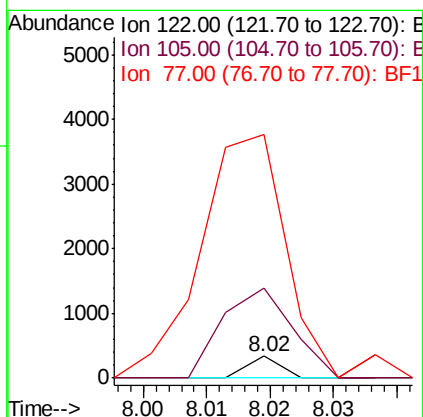
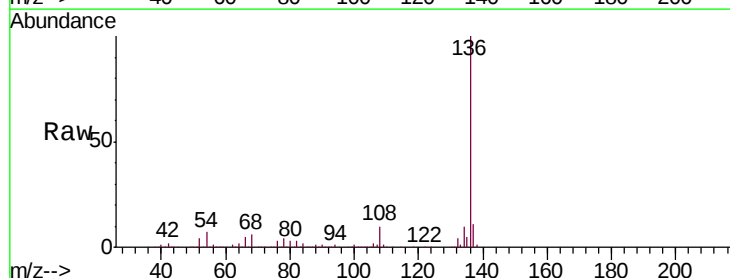
Instrument :  
BNA\_F  
ClientSampled :  
EP1-Q2-F7

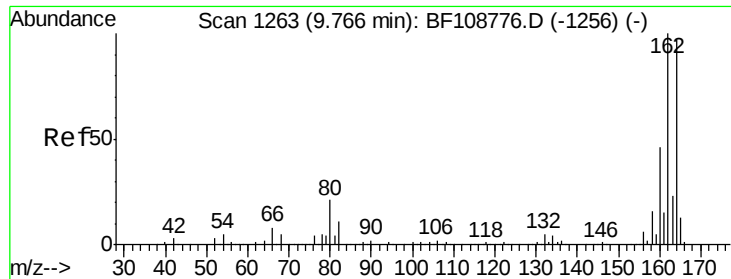
Tgt Ion: 82 Resp: 964156  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



#32  
Benzoic acid  
Concen: 4.029 ng  
RT: 8.02 min Scan# 966  
Delta R.T. 0.22 min  
Lab File: BF108833.D  
Acq: 6 Sep 2018 19:47

Tgt Ion: 122 Resp: 118  
Ion Ratio Lower Upper  
122 100  
105 417.1 101.1 141.1#  
77 1126.9 70.7 110.7#

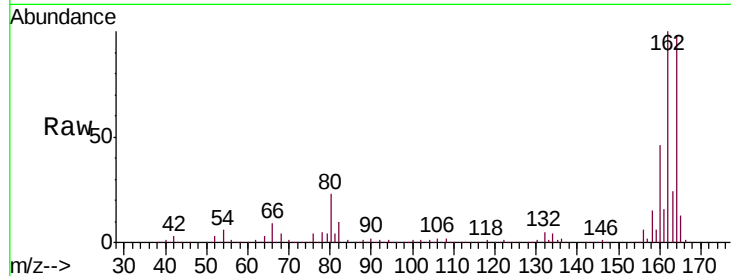




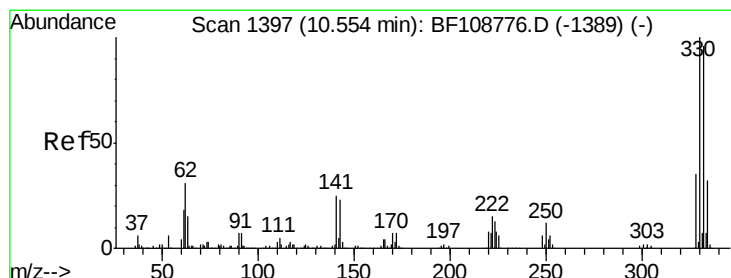
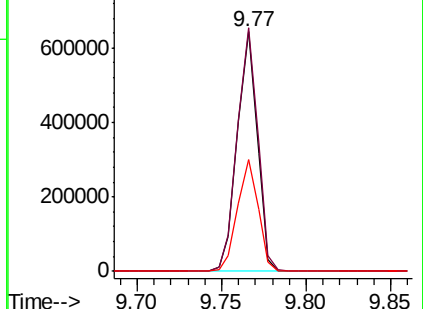
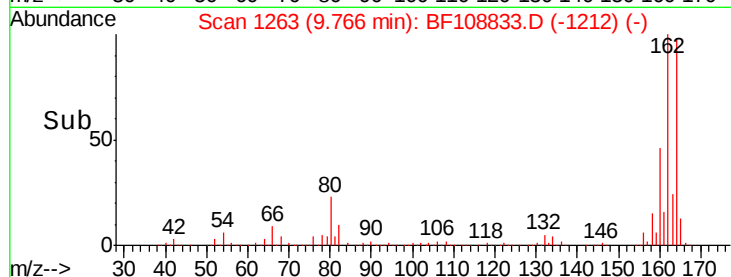
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-F7

Tgt Ion:164 Resp: 531501  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 86.1 129.1  
 160 46.7 38.3 57.5

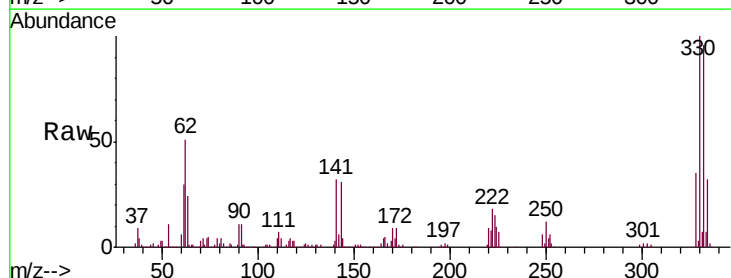


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

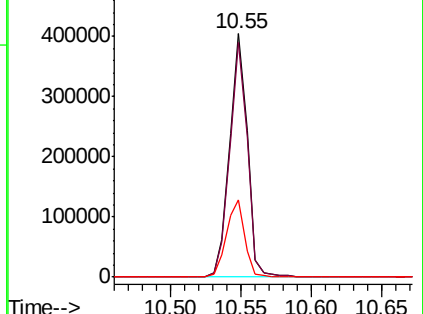
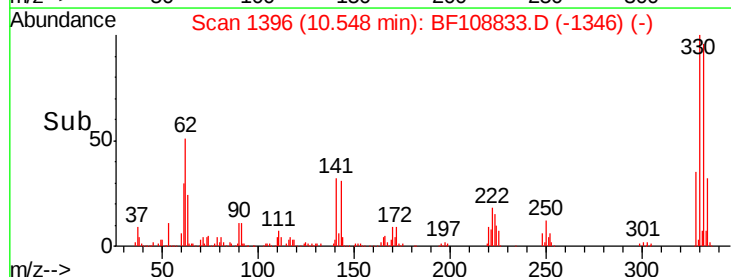


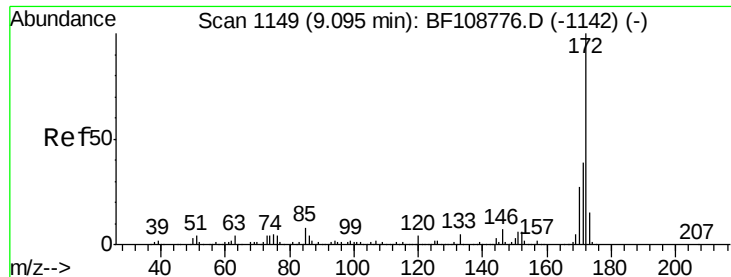
#41  
 2,4,6-Tribromophenol  
 Concen: 70.167 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Tgt Ion:330 Resp: 356026  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 77.0 115.6  
 141 32.4 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

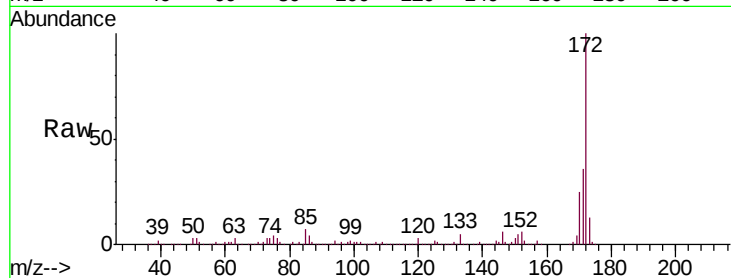




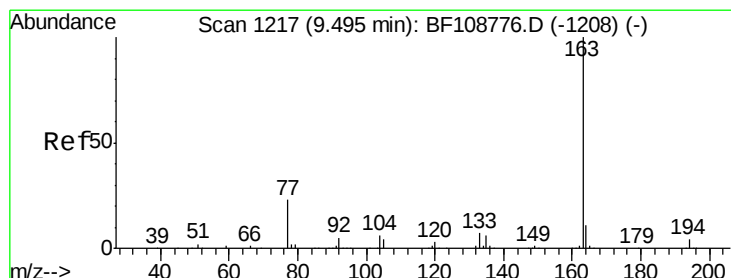
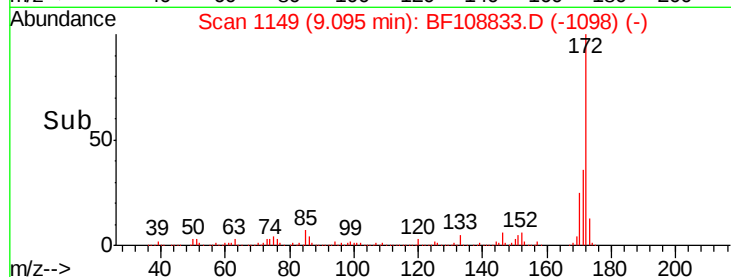
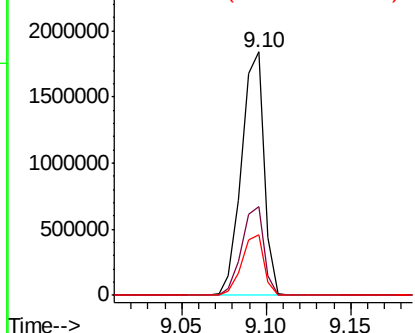
#44  
 2-Fluorobiphenyl  
 Concen: 55.153 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. 0.00 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-F7

Tgt Ion:172 Resp: 1718288  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.7 44.5  
 170 25.0 19.6 29.4

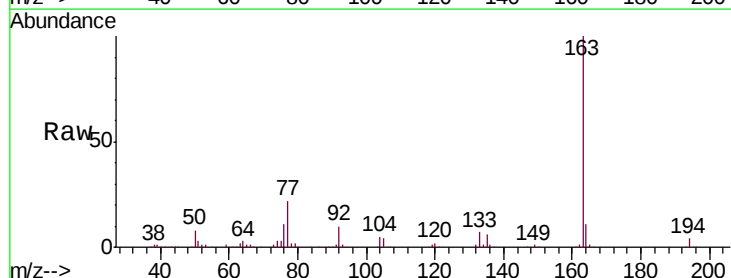


Abundance Ion 172.00 (171.70 to 172.70): E  
 2500000 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

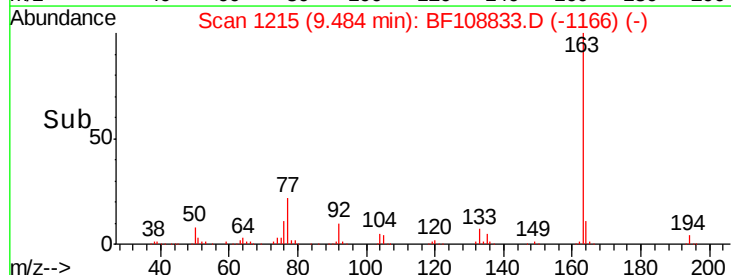
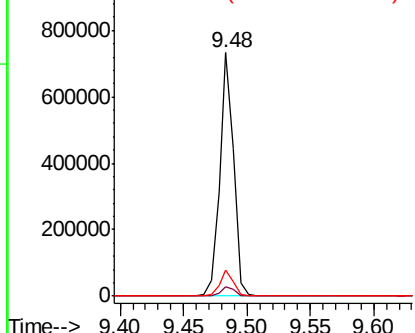


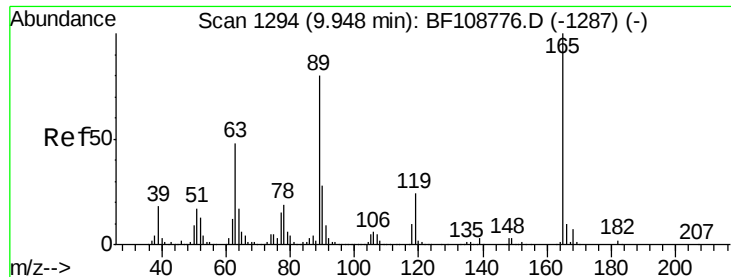
#49  
 Dimethylphthalate  
 Concen: 15.155 ng  
 RT: 9.48 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Tgt Ion:163 Resp: 563378  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 2.7 4.1  
 164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E  
 1000000 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

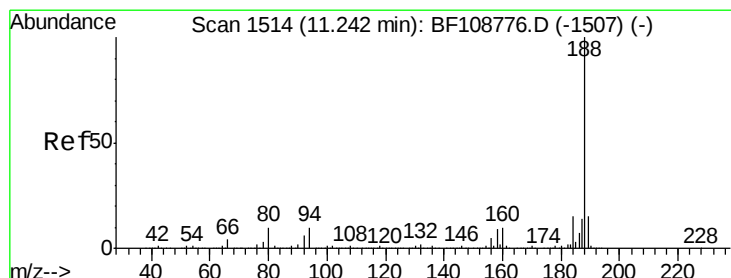
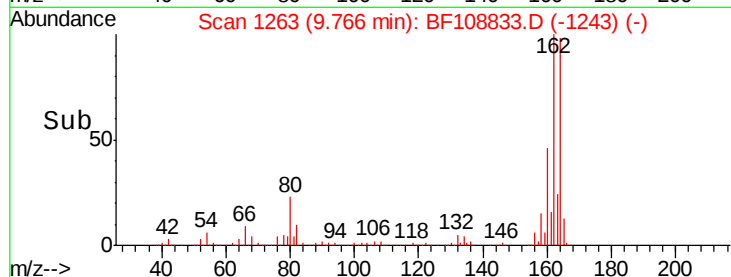
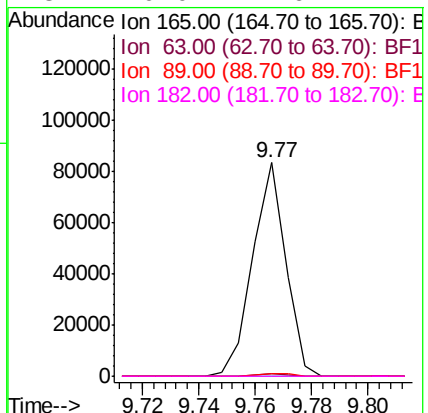
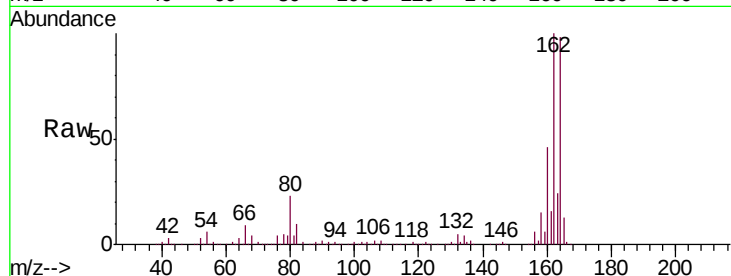




#56  
 2,4-Dinitrotoluene  
 Concen: 7.523 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. -0.18 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

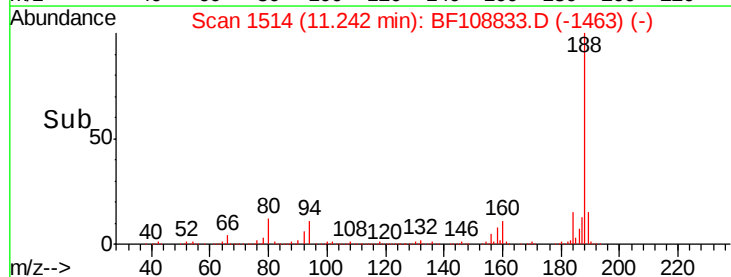
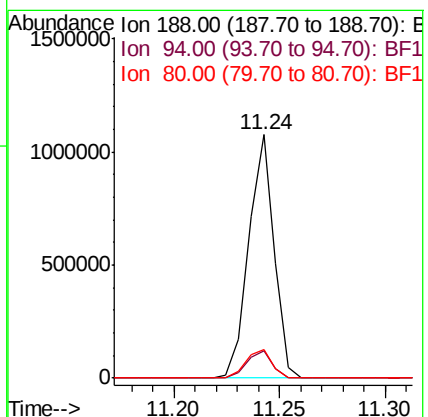
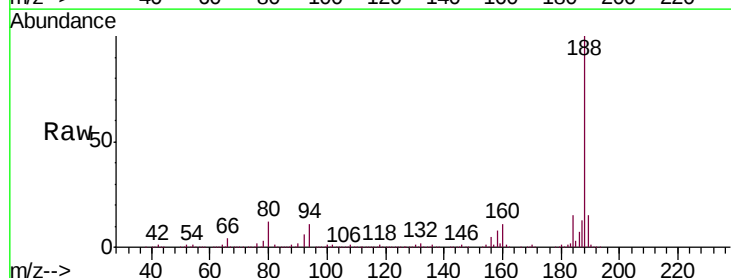
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-F7

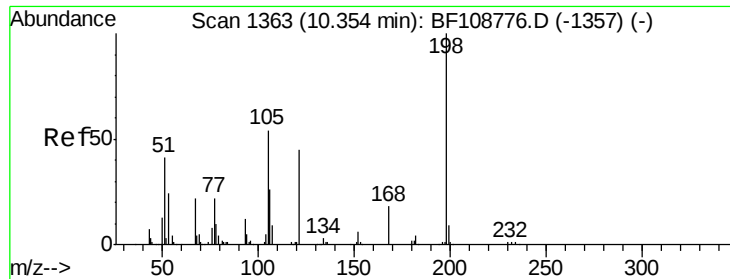
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 68154 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.0   | 36.4  | 54.6# |
| 89       | 1.2   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1514  
 Delta R.T. 0.00 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 896756 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.0  | 8.5   | 12.7   |
| 80       | 11.7  | 9.2   | 13.8   |

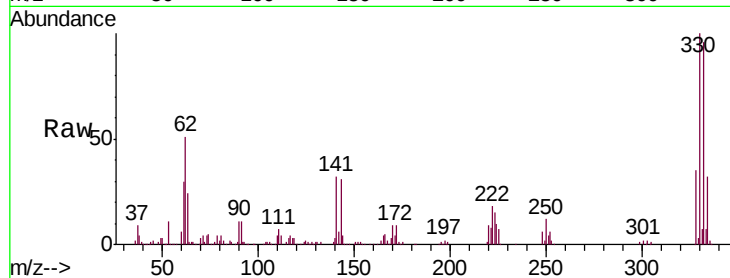




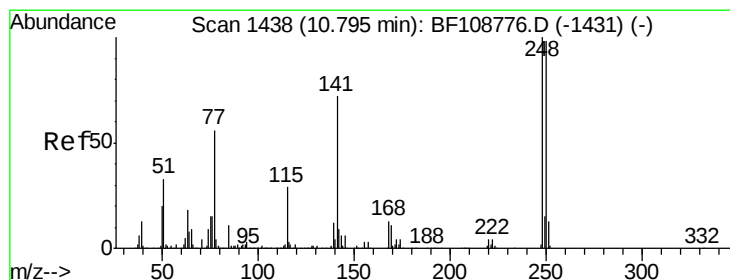
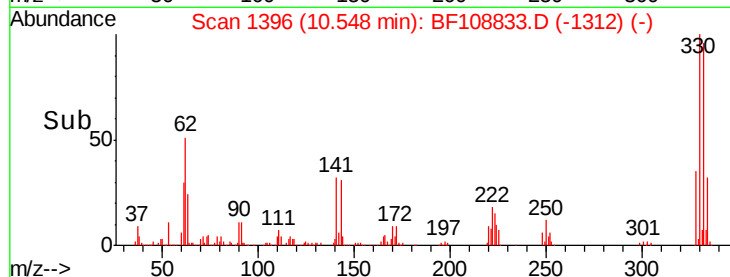
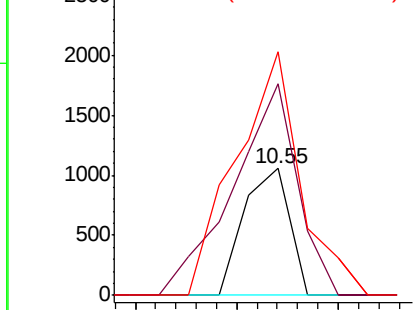
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.030 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. 0.19 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q2-F7

Tgt Ion:198 Resp: 666  
 Ion Ratio Lower Upper  
 198 100  
 51 167.6 37.7 77.7#  
 105 192.4 36.3 76.3#

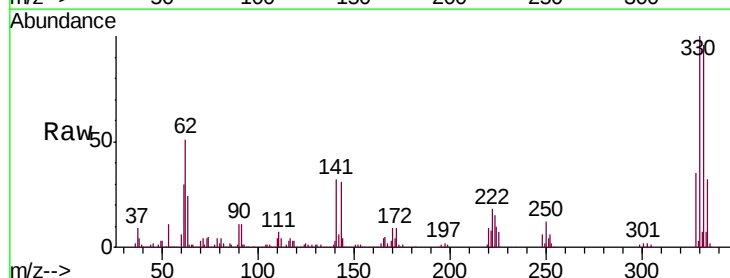


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

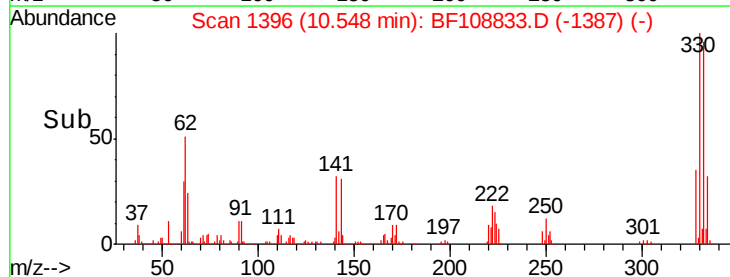
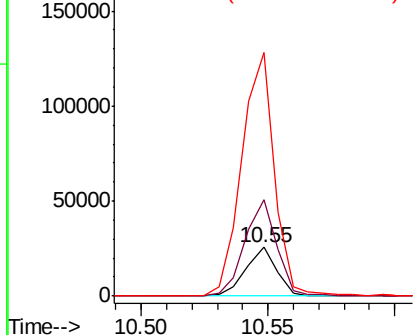


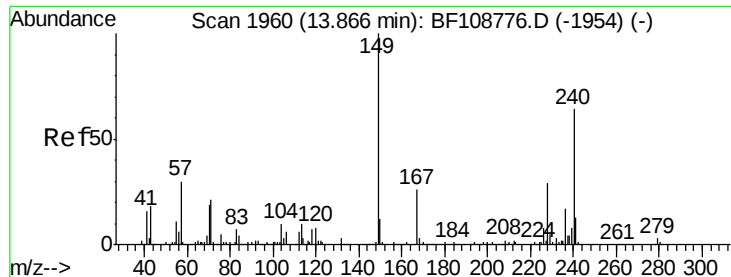
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.159 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.25 min  
 Lab File: BF108833.D  
 Acq: 6 Sep 2018 19:47

Tgt Ion:248 Resp: 21865  
 Ion Ratio Lower Upper  
 248 100  
 250 197.6 76.9 115.3#  
 141 501.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108833.D

Acq: 6 Sep 2018 19:47

Instrument :

BNA\_F

ClientSampleId :

EP1-Q2-F7

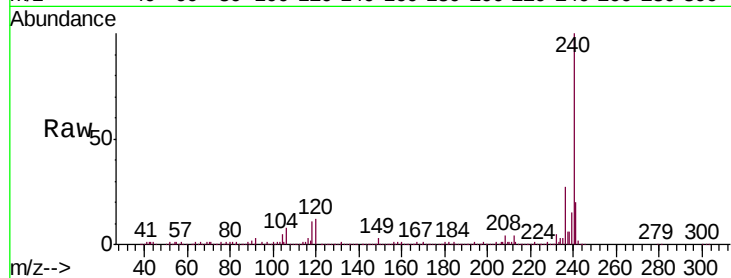
Tgt Ion:240 Resp: 644952

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

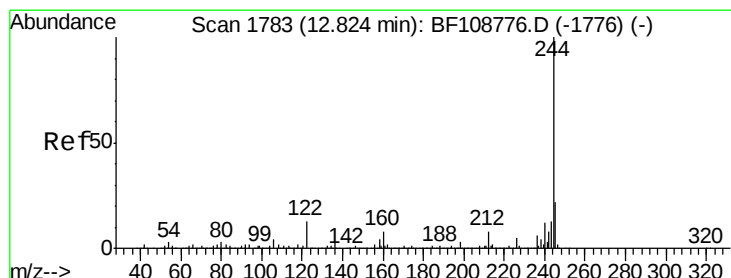
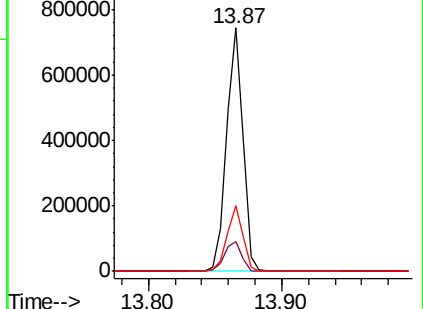
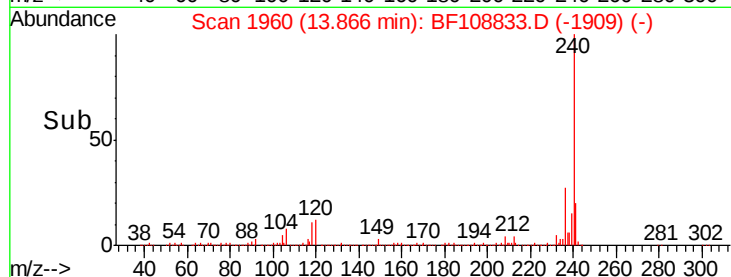
236 26.8 20.7 31.1



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: 48.849 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108833.D

Acq: 6 Sep 2018 19:47

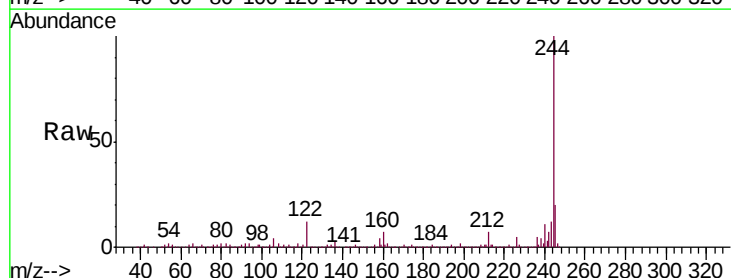
Tgt Ion:244 Resp: 1351058

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

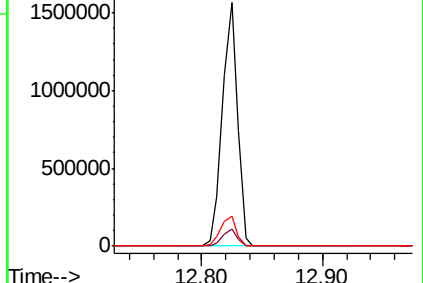
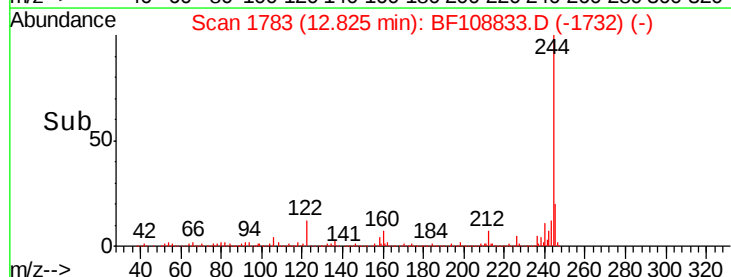
122 12.3 11.0 16.4

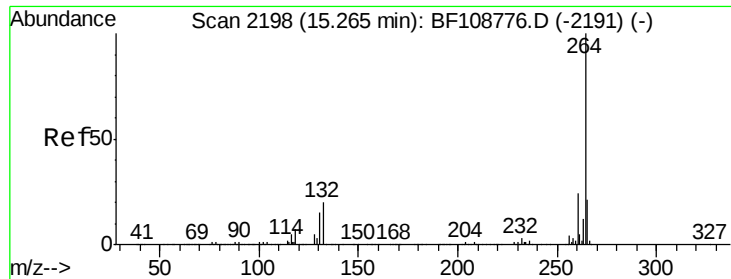


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

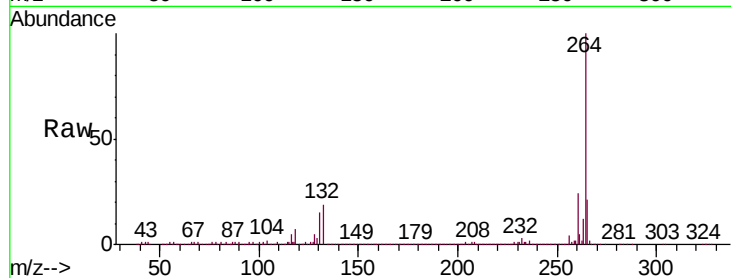




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2199  
Delta R.T. 0.01 min  
Lab File: BF108833.D  
Acq: 6 Sep 2018 19:47

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q2-F7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.3  | 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

