

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
 Data File : BF107103.D  
 Acq On : 4 Jul 2018 1:43  
 Operator : JU/SJ  
 Sample : J3812-06  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-03

Quant Time: Jul 04 02:08:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

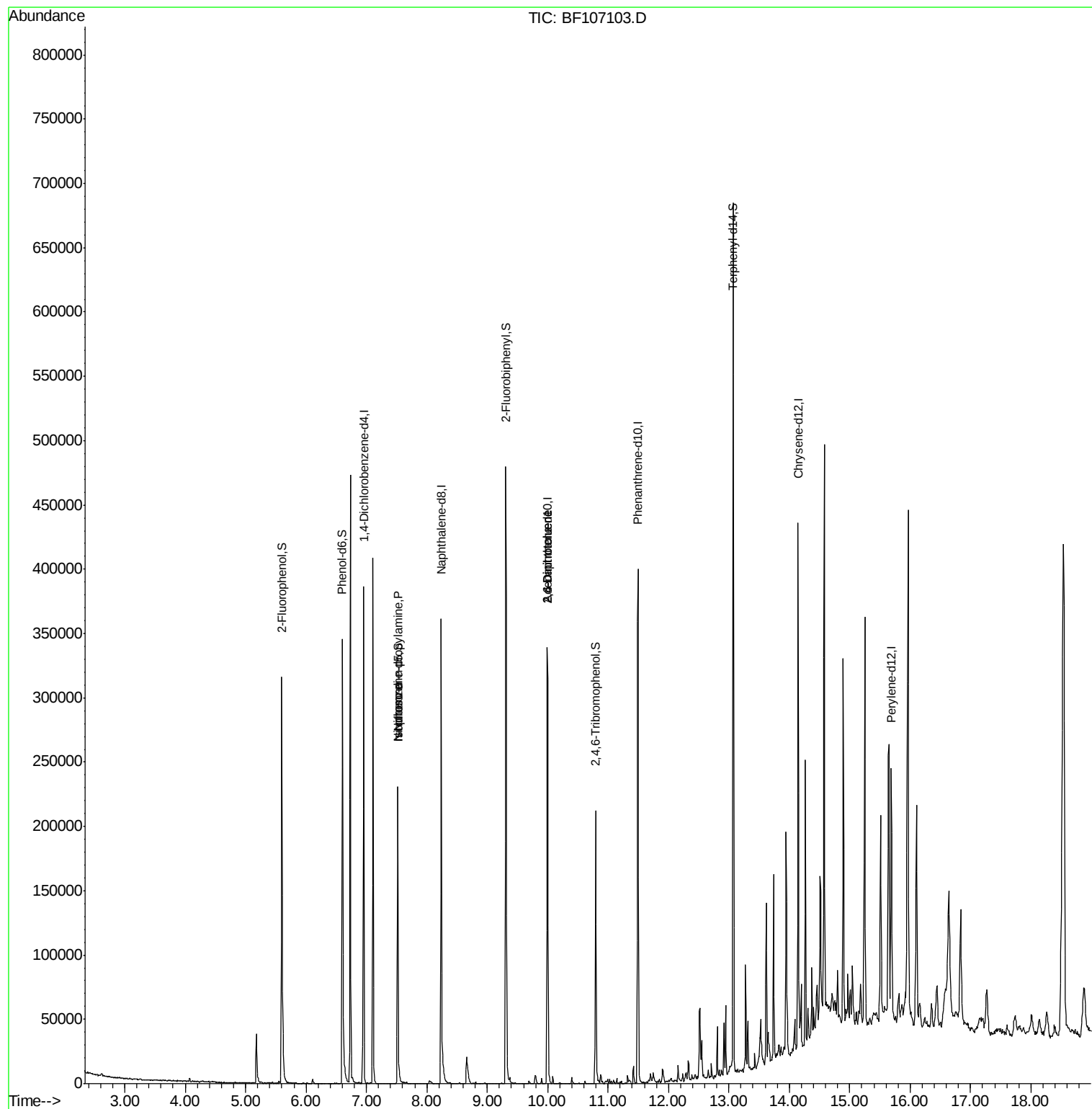
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 53458    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 188351   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 81029    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.50 | 188  | 168191   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 142115   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 101009   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 114732   | 36.34  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 143991   | 36.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 82746    | 24.41  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 31735    | 33.79  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 176610   | 26.79  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 236067   | 40.24  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 10469    | 4.028  | ng    | # 72     |
| 25) Isophorone                 | 7.52  | 82   | 82744    | 13.855 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 10120    | 7.864  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 10120    | 6.025  | ng    | # 21     |

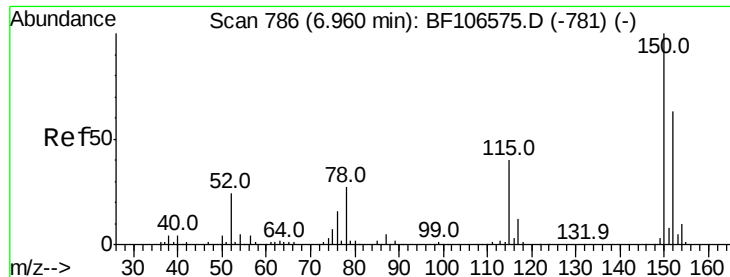
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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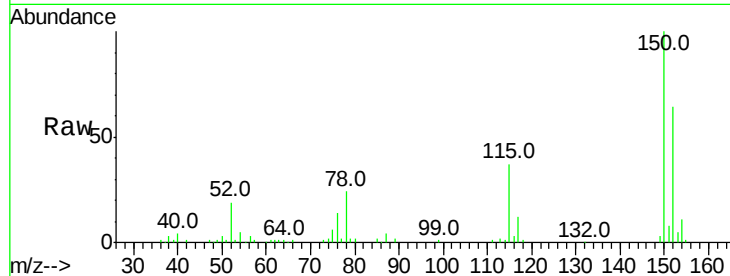


#1

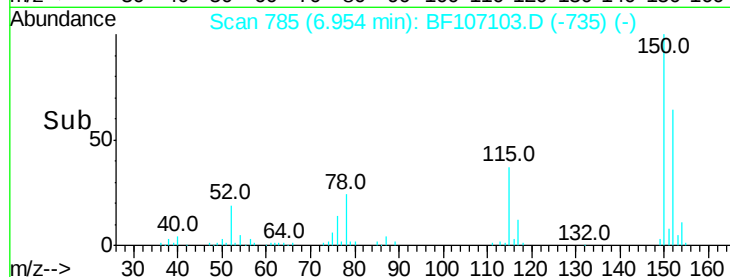
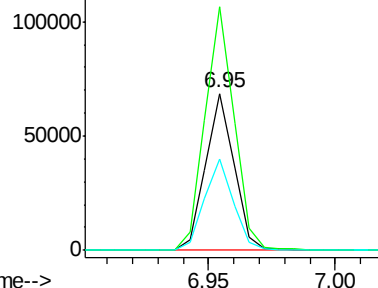
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-03

Tot Ion:152 Resp: 53458  
Ion Ratio Lower Upper  
152 100  
150 155.2 124.6 186.8  
115 57.9 50.1 75.1



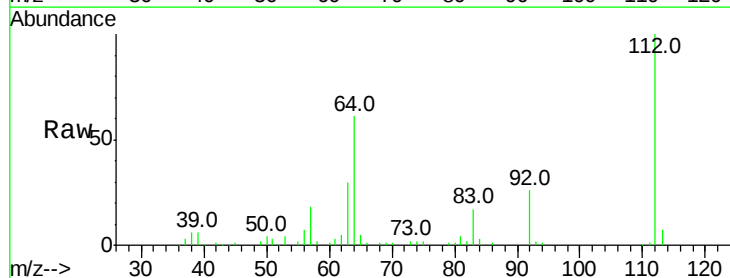
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



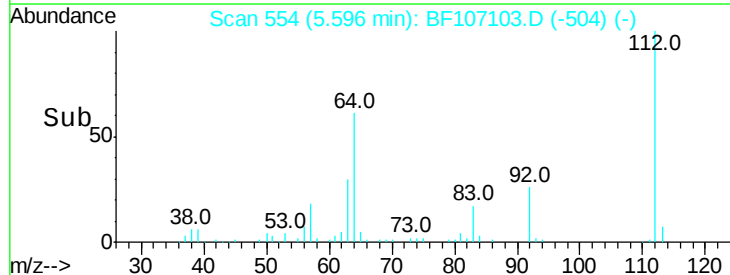
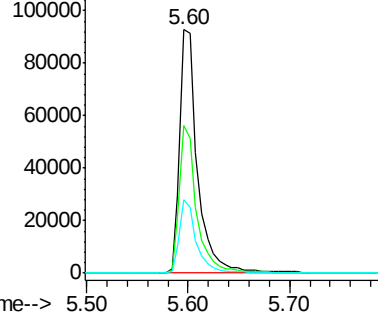
#5

2-Fluorophenol  
Concen: 36.342 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

Tgt Ion:112 Resp: 114732  
Ion Ratio Lower Upper  
112 100  
64 60.8 47.9 71.9  
63 30.0 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: 36.523 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-03

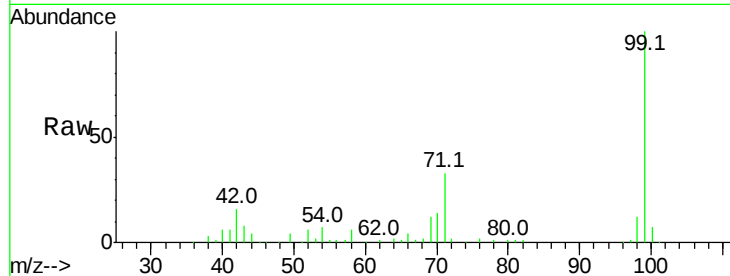
Tot Ion: 99 Resp: 143991

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

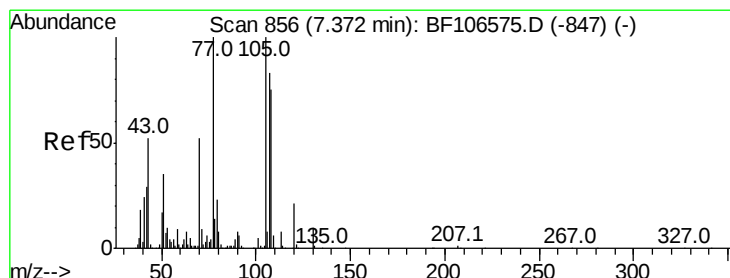
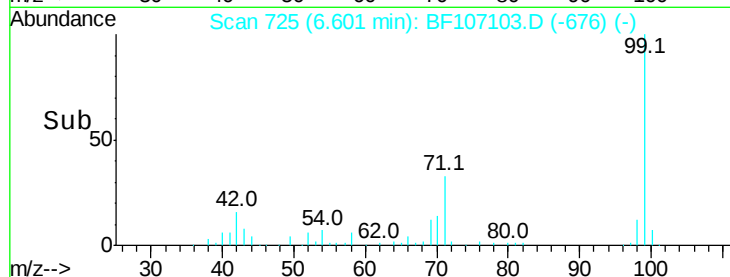
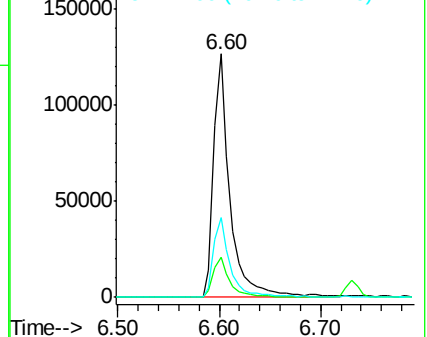
71 32.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.028 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

Tgt Ion: 70 Resp: 10469

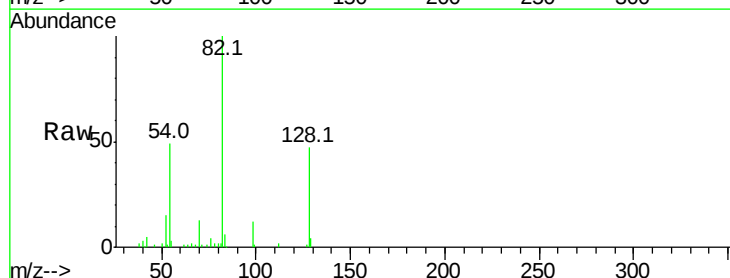
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

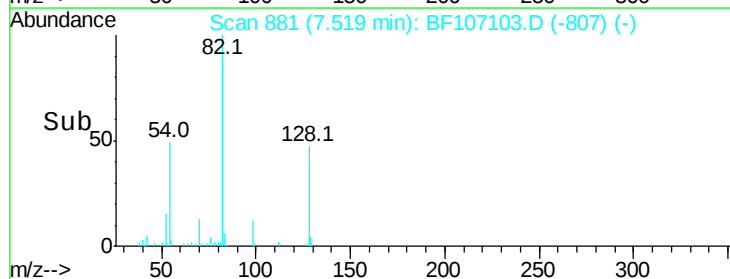
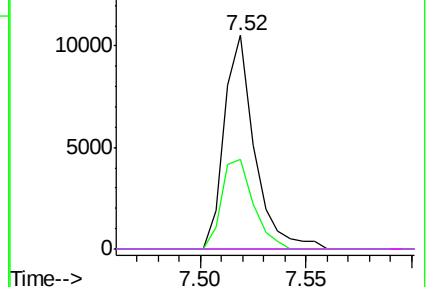


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

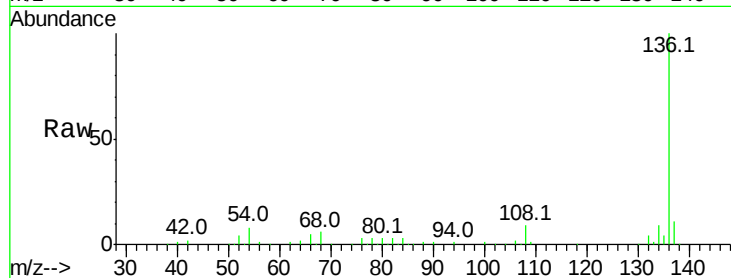




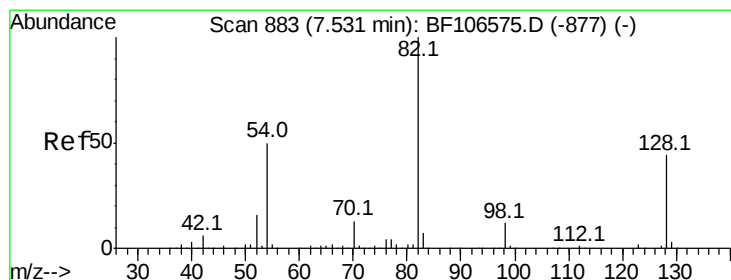
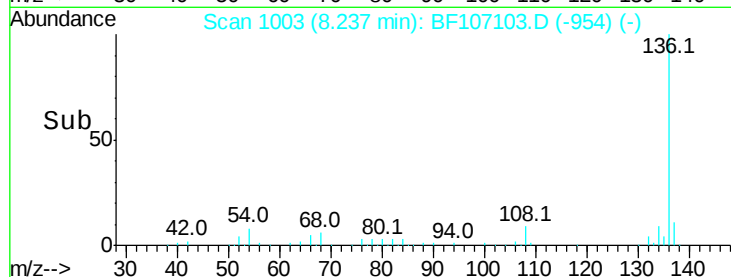
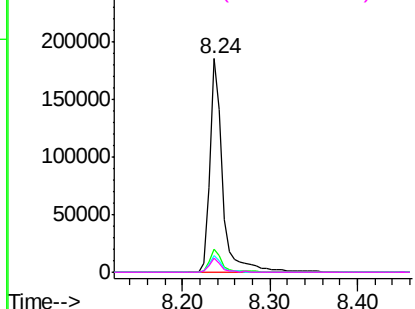
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-03

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 188351 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 7.7   | 6.6   | 9.8    |
| 68       | 6.4   | 5.0   | 7.4    |

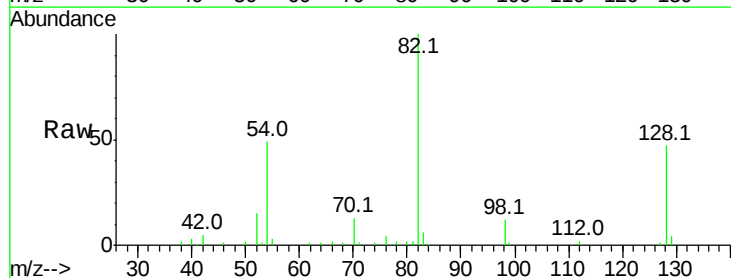


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

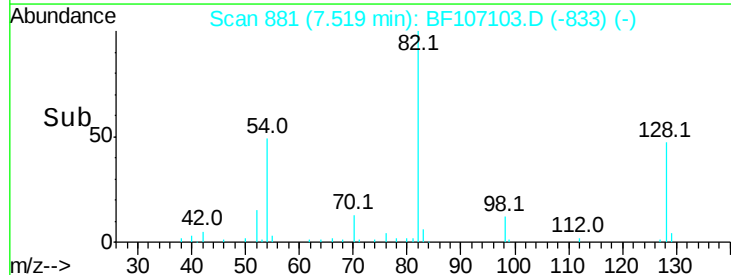
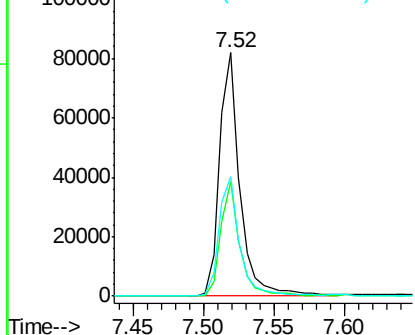


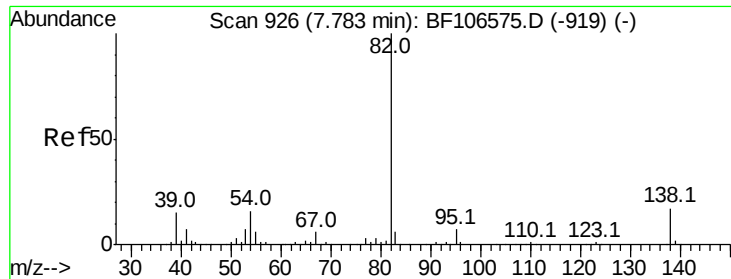
#23  
Nitrobenzene-d5  
Concen: 24.414 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.02 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 82746 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.8  | 36.1  | 54.1  |
| 54       | 49.0  | 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: 13.855 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-03

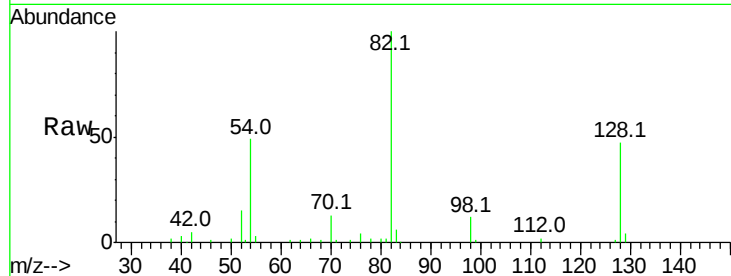
Tot Ion: 82 Resp: 82744

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

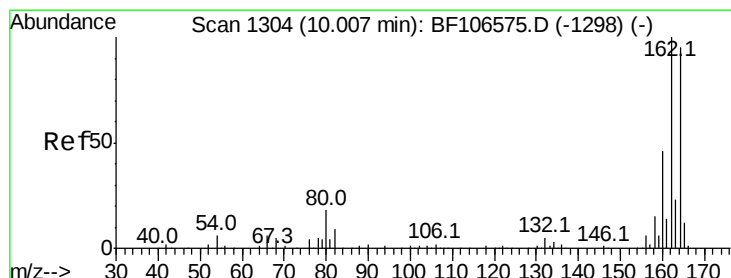
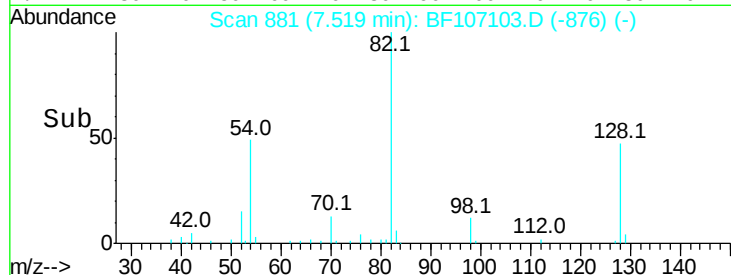
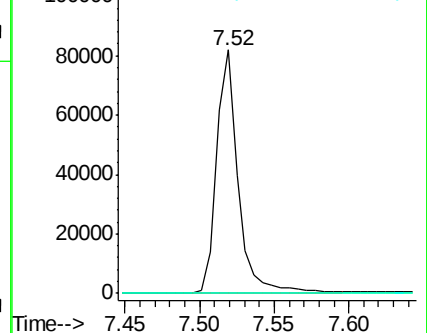
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

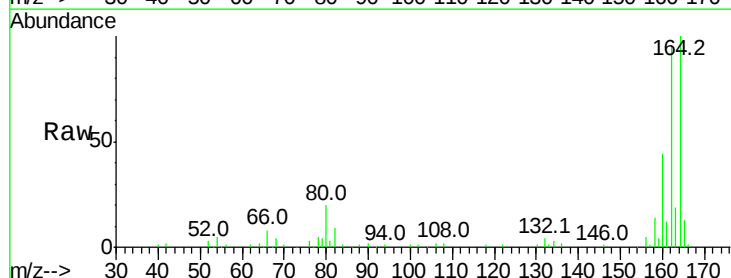
Tgt Ion:164 Resp: 81029

Ion Ratio Lower Upper

164 100

162 95.7 86.1 129.1

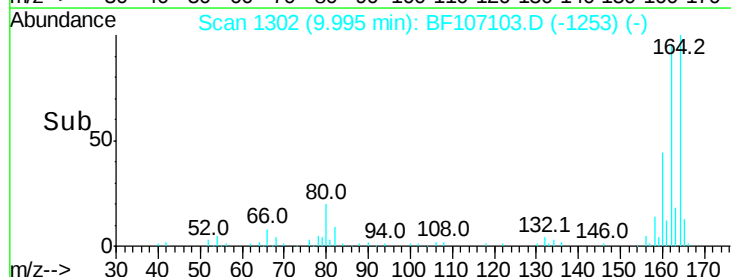
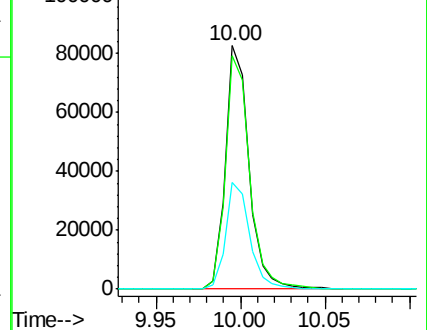
160 43.7 38.3 57.5



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

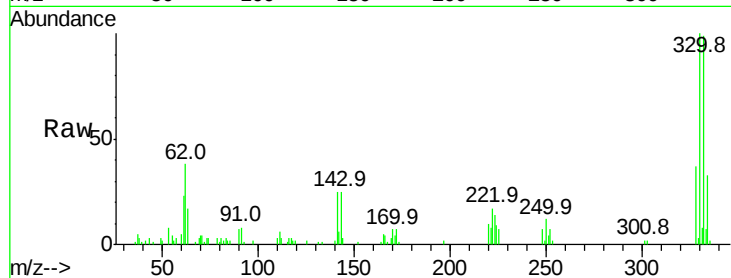




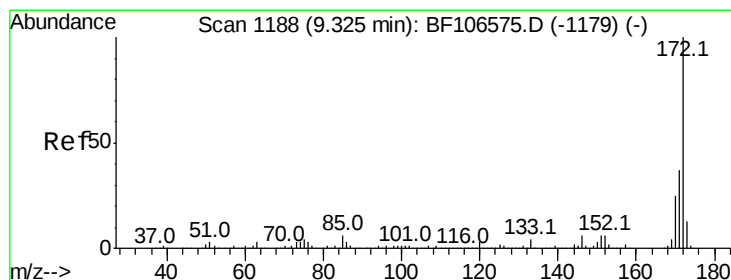
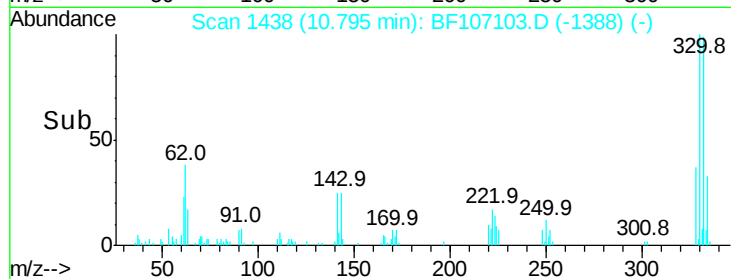
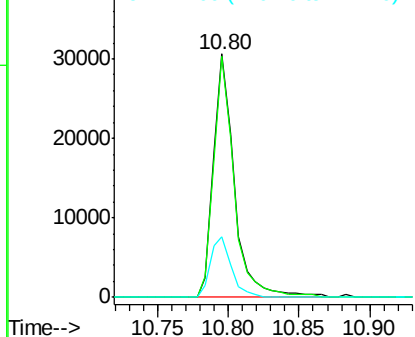
#41  
 2,4,6-Tribromophenol  
 Concen: 33.791 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107103.D  
 Acq: 4 Jul 2018 1:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-03

Tot Ion:330 Resp: 31735  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.0 115.6  
 141 24.7 29.9 44.9#

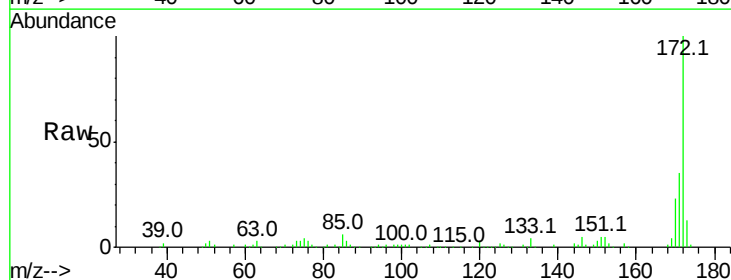


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

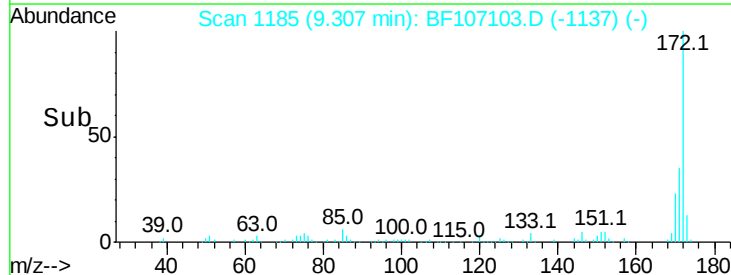
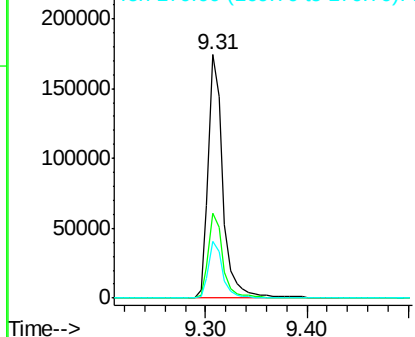


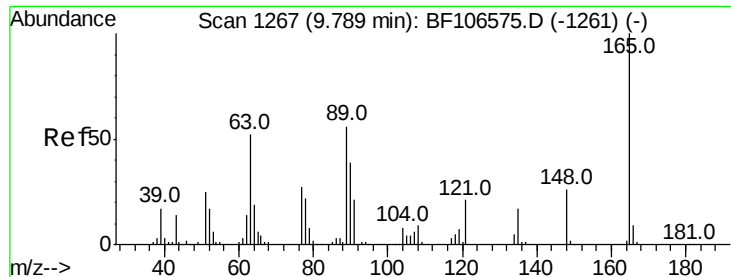
#44  
 2-Fluorobiphenyl  
 Concen: 26.790 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107103.D  
 Acq: 4 Jul 2018 1:43

Tgt Ion:172 Resp: 176610  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 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

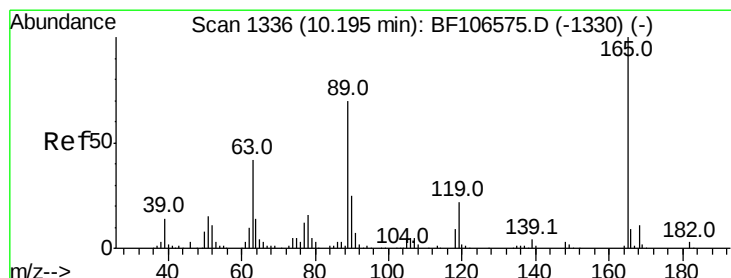
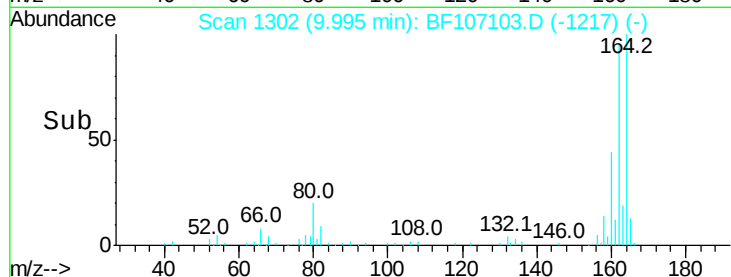
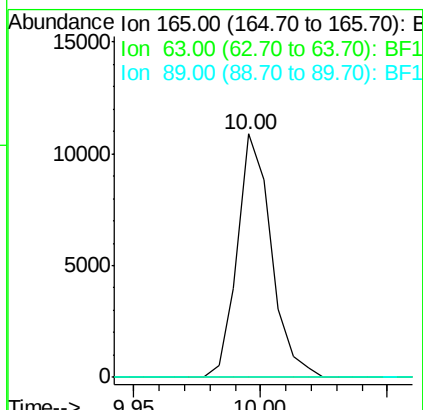
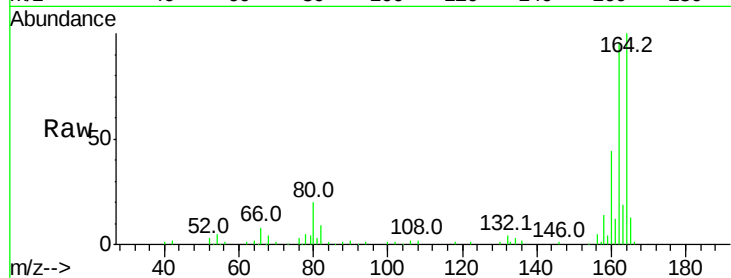




#50  
 2,6-Dinitrotoluene  
 Concen: 7.864 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. 0.20 min  
 Lab File: BF107103.D  
 Acq: 4 Jul 2018 1:43

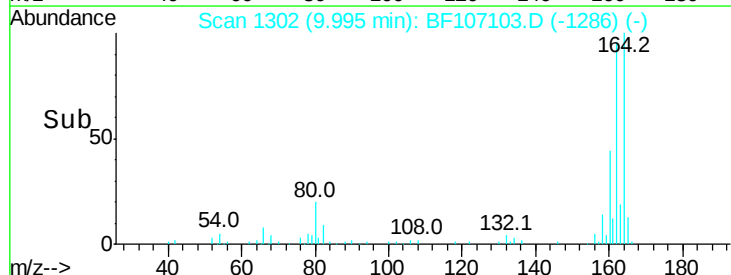
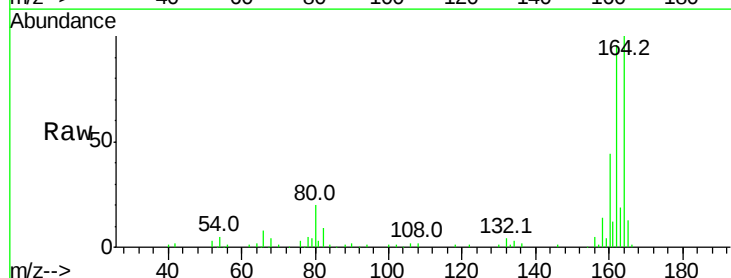
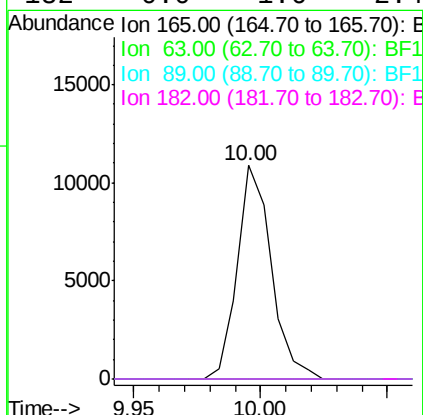
Instrument :  
 BNA\_F  
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 DPC-81753-FB-03

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



#56  
 2,4-Dinitrotoluene  
 Concen: 6.025 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF107103.D  
 Acq: 4 Jul 2018 1:43

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

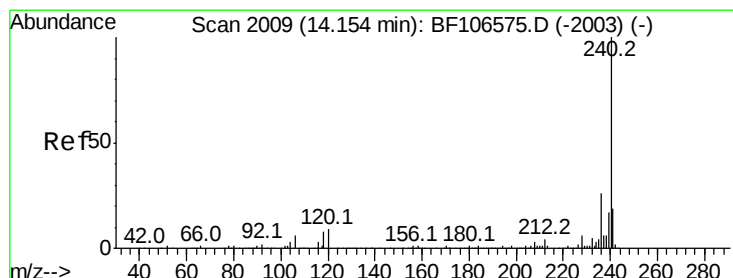
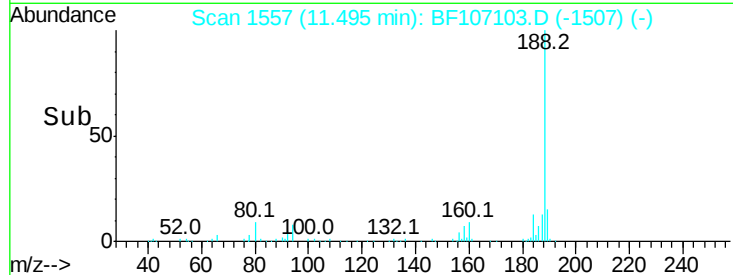
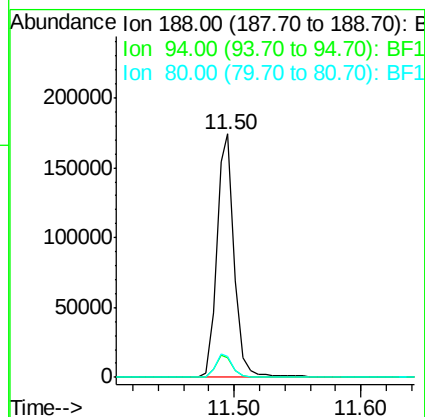
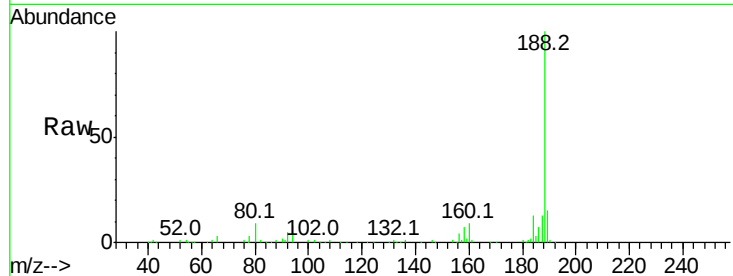




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

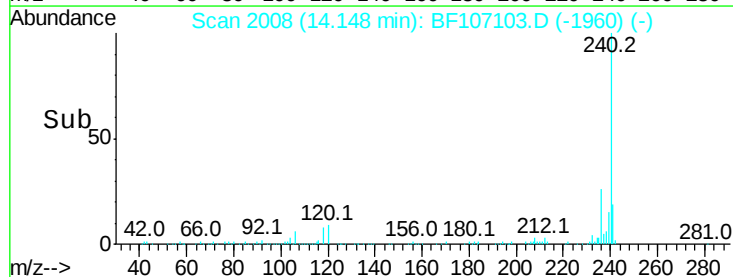
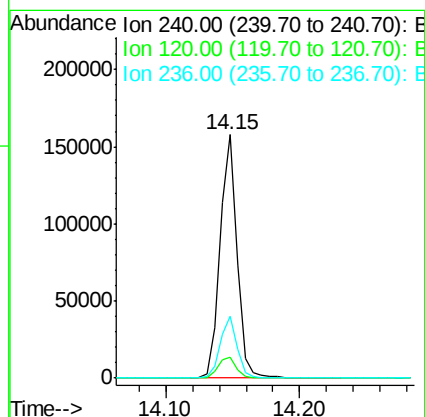
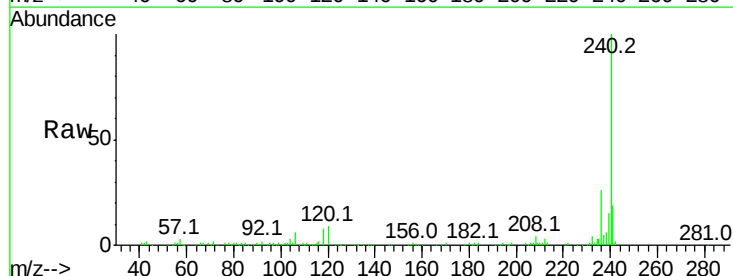
Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-03

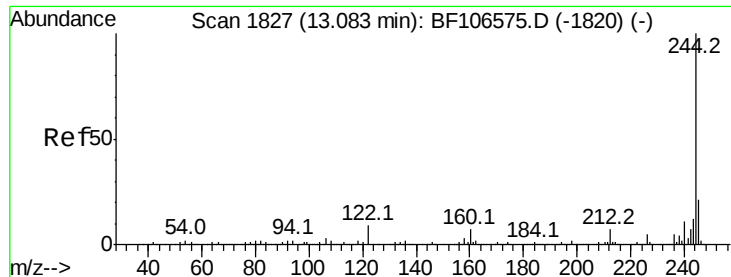
Tot Ion:188 Resp: 168191  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.5 12.7#  
80 8.6 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.02 min  
Lab File: BF107103.D  
Acq: 4 Jul 2018 1:43

Tgt Ion:240 Resp: 142115  
Ion Ratio Lower Upper  
240 100  
120 8.6 9.5 14.3#  
236 25.6 20.7 31.1





#78

Terphenyl-d14

Concen: 40.237 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-03

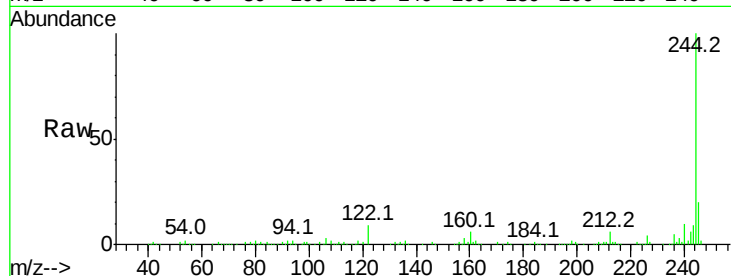
Tot Ion:244 Resp: 236067

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

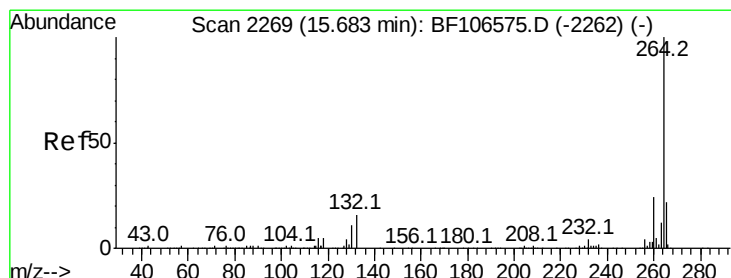
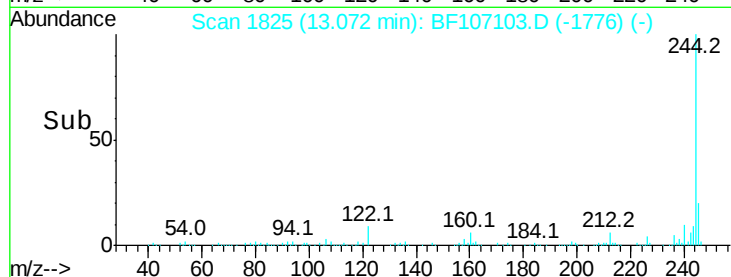
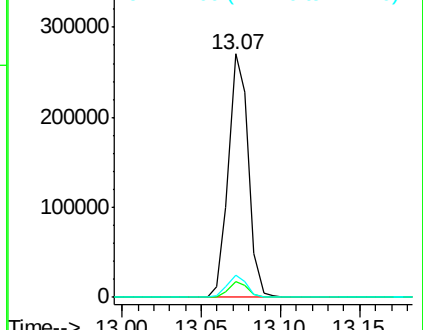
122 9.1 11.0 16.4#



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. -0.03 min

Lab File: BF107103.D

Acq: 4 Jul 2018 1:43

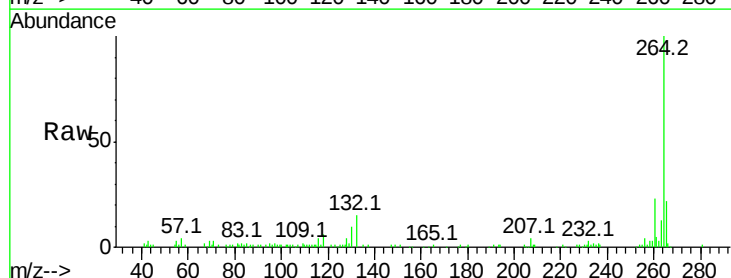
Tgt Ion:264 Resp: 101009

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

