

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
 Data File : BF107102.D  
 Acq On : 4 Jul 2018 1:16  
 Operator : JU/SJ  
 Sample : J3812-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-09

Quant Time: Jul 04 02:08:12 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

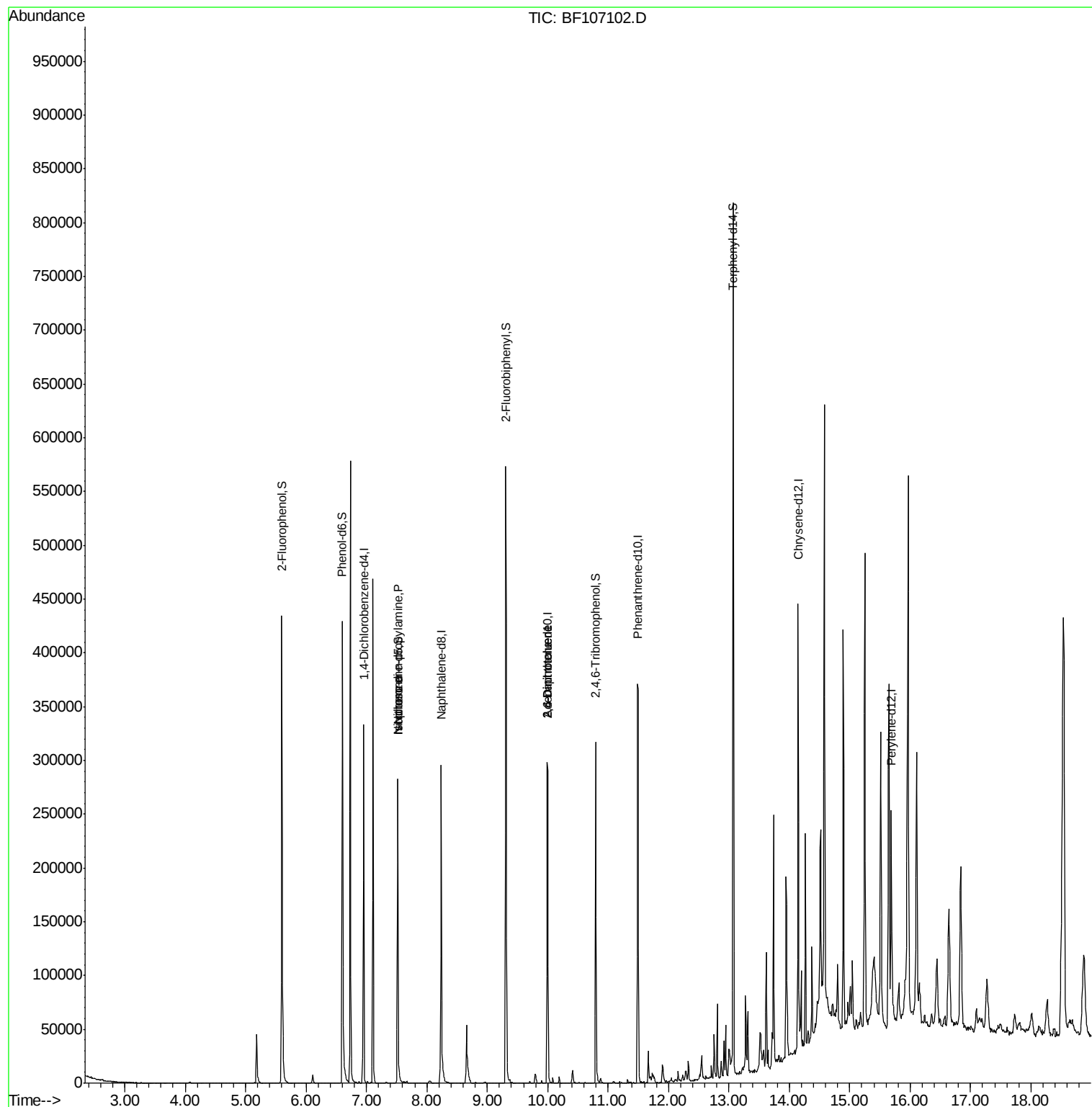
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 45873    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 158481   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 70730    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 157749   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.15 | 240  | 139256   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 101053   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 146503   | 54.08  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 171920   | 50.82  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 98499    | 34.54  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 46564    | 56.80  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 200196   | 40.12  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 286942   | 49.91  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 12435    | 5.576  | ng    | # 74     |
| 25) Isophorone                 | 7.52  | 82   | 98512    | 19.604 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 9262     | 8.245  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 9262     | 6.317  | ng    | # 21     |

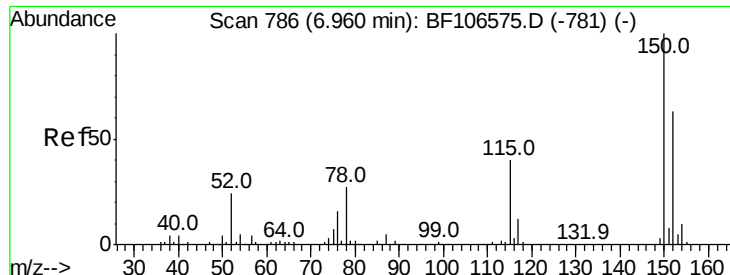
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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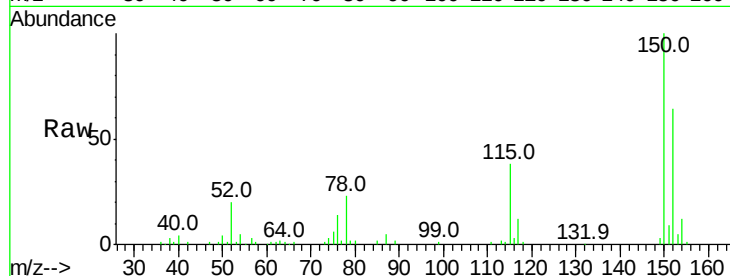


#1

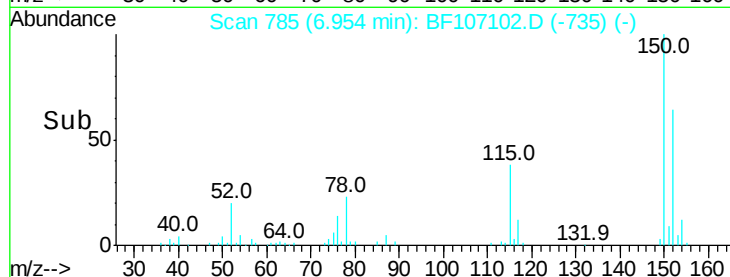
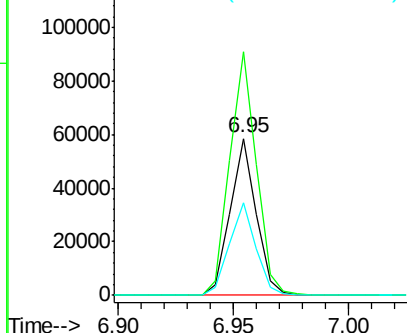
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-09

Tot Ion:152 Resp: 45873  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.6 186.8  
115 59.1 50.1 75.1



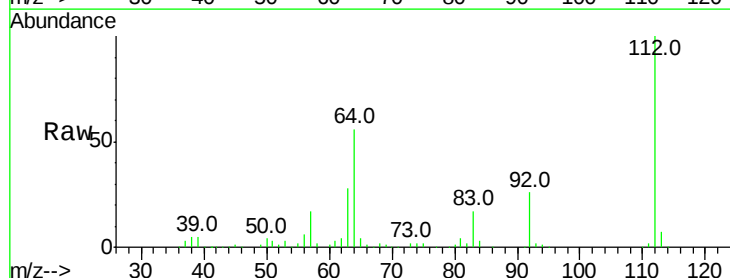
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



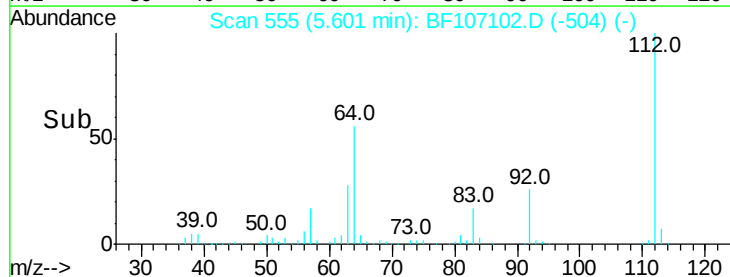
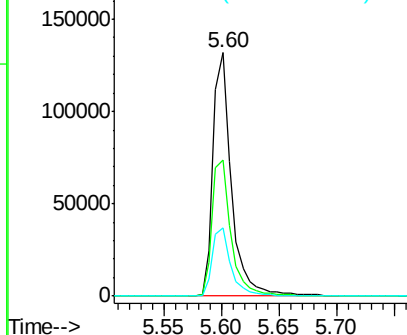
#5

2-Fluorophenol  
Concen: 54.079 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

Tgt Ion:112 Resp: 146503  
Ion Ratio Lower Upper  
112 100  
64 56.1 47.9 71.9  
63 28.2 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: 50.817 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-09

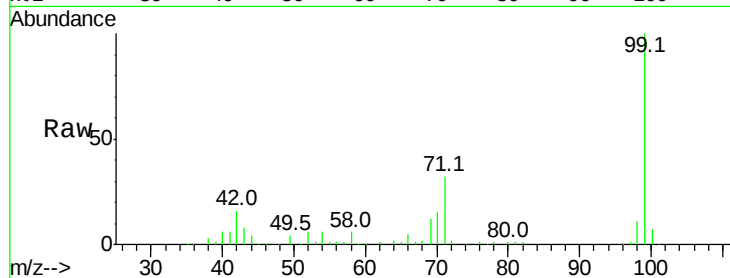
Tot Ion: 99 Resp: 171920

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

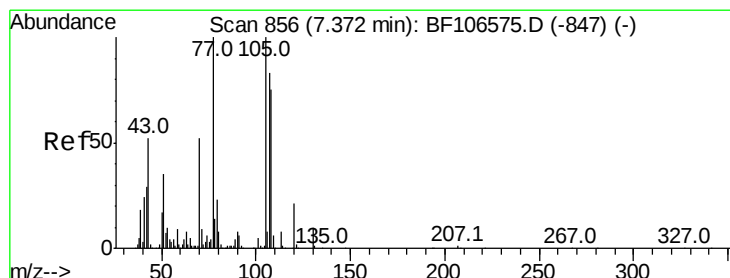
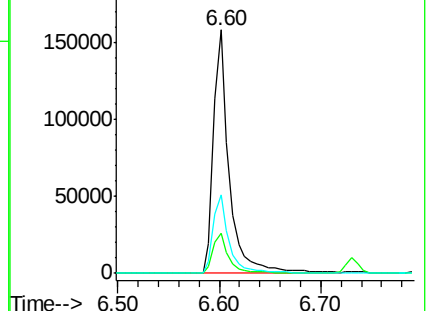
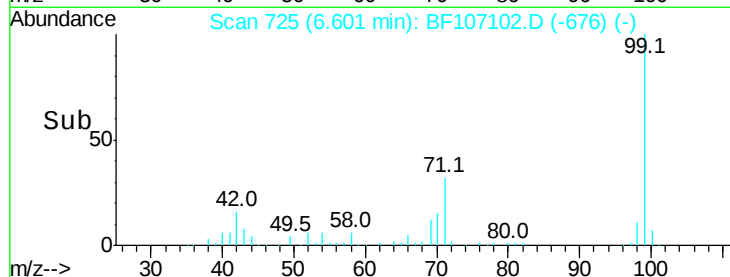
71 32.3 25.4 38.0



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: 5.576 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Tgt Ion: 70 Resp: 12435

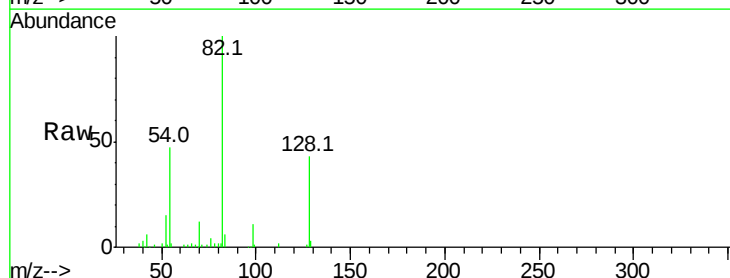
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

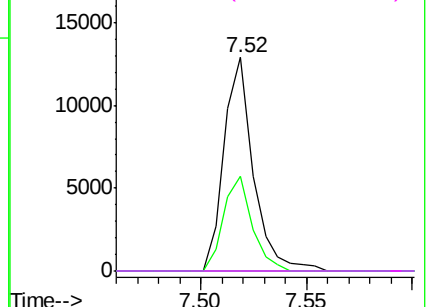
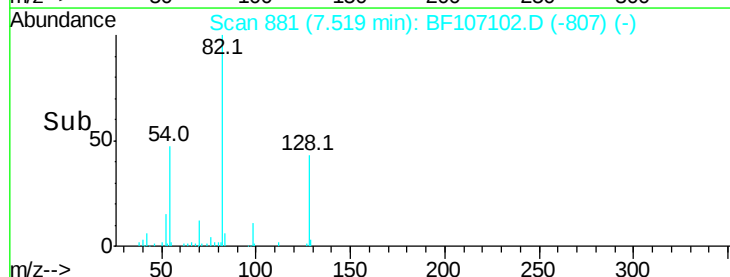


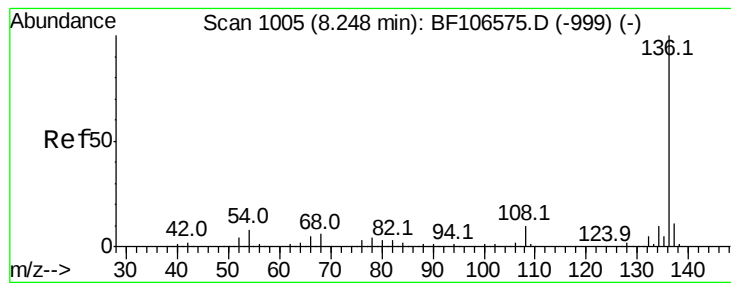
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-09

Tot Ion:136 Resp: 158481

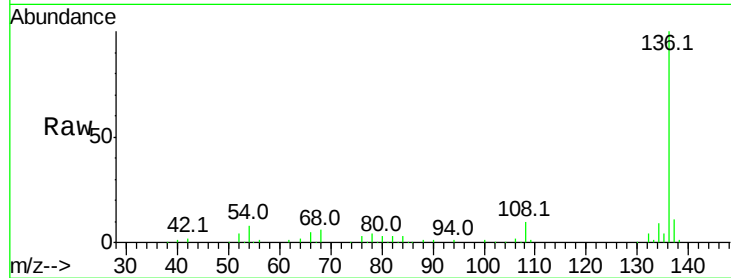
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 6.6 9.8

68 6.2 5.0 7.4

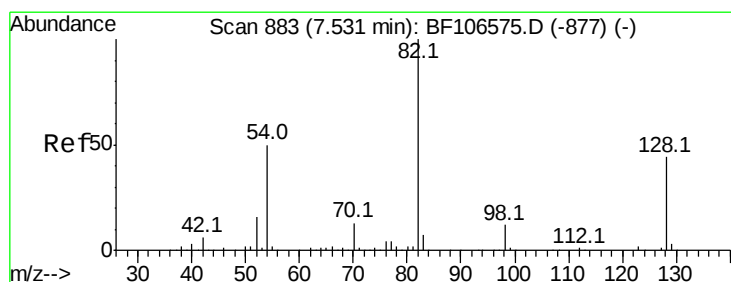
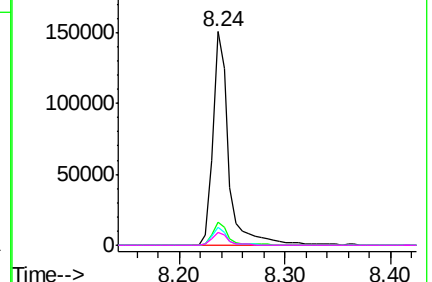
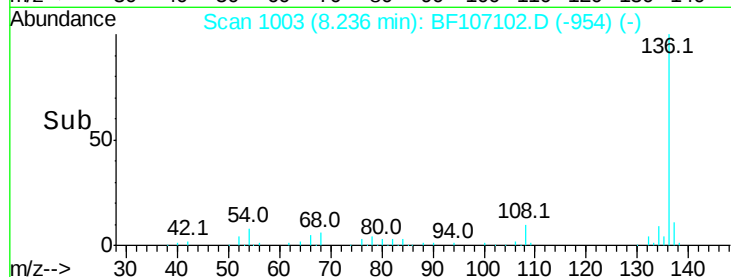


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.540 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

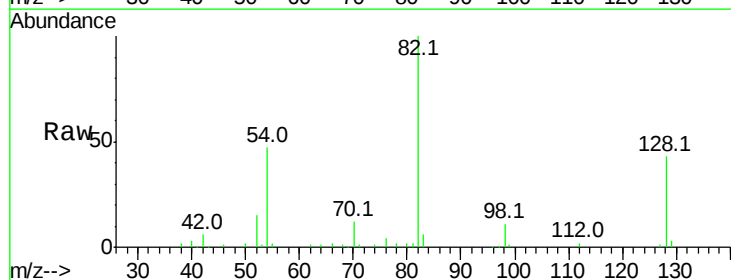
Tgt Ion: 82 Resp: 98499

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

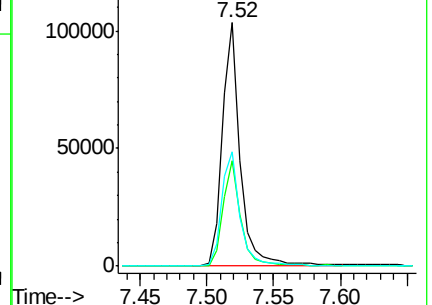
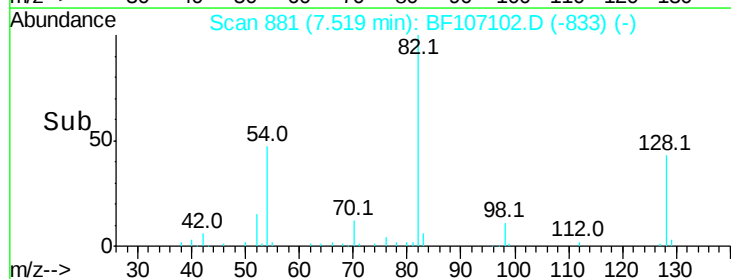
54 47.0 41.4 62.2

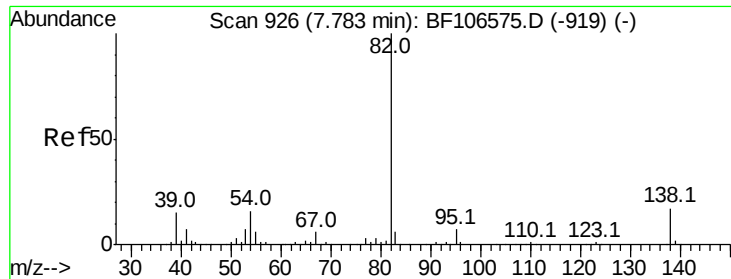


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.604 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-09

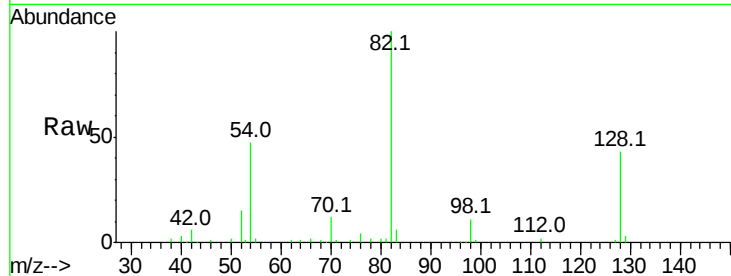
Tot Ion: 82 Resp: 98512

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

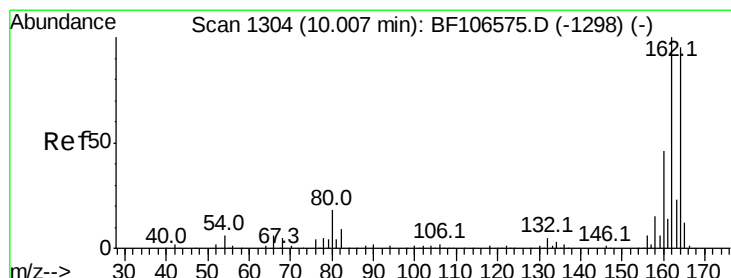
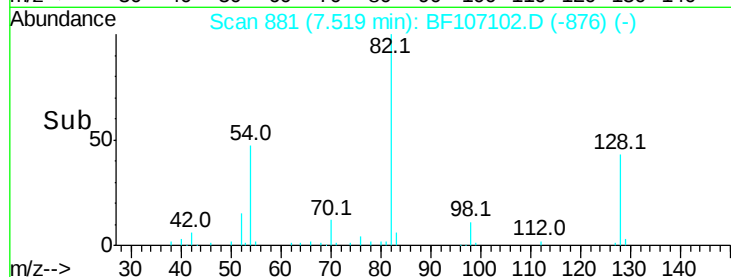
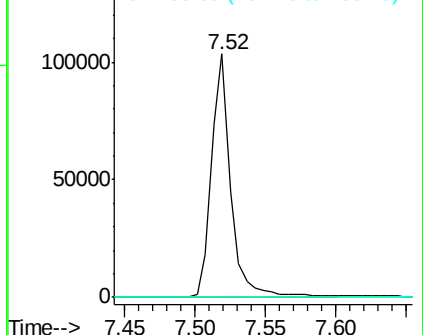
138 0.0 14.9 22.3#



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: BF107102.D

Acq: 4 Jul 2018 1:16

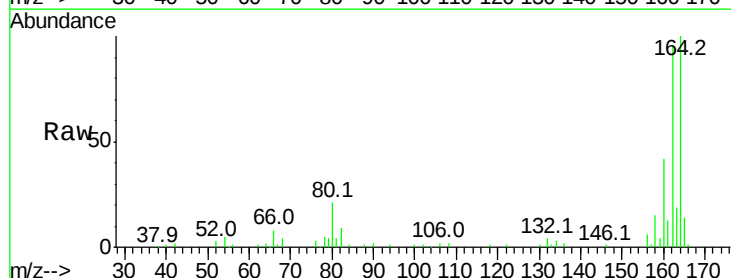
Tgt Ion: 164 Resp: 70730

Ion Ratio Lower Upper

164 100

162 96.2 86.1 129.1

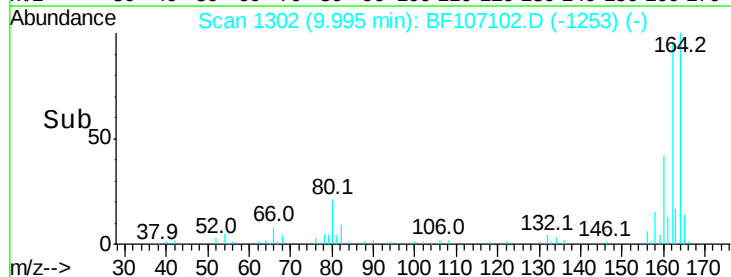
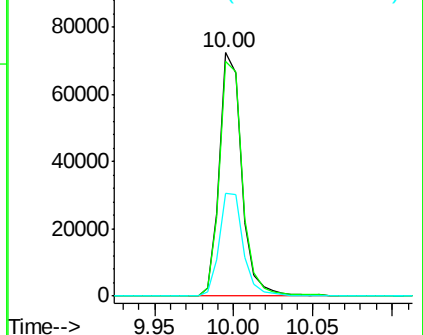
160 42.3 38.3 57.5

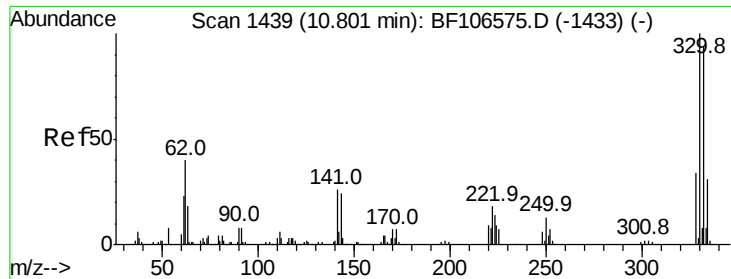


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

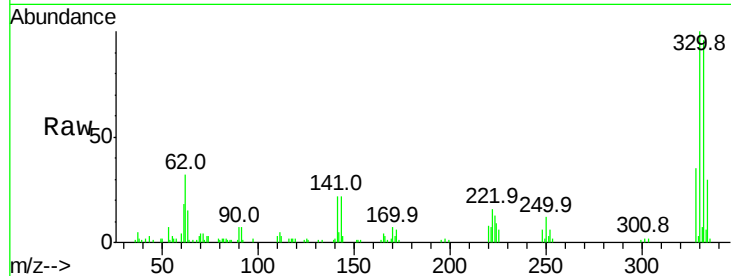




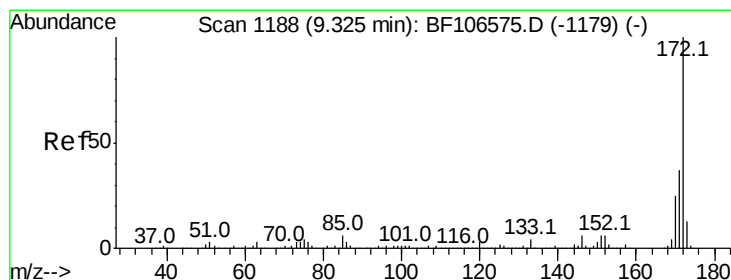
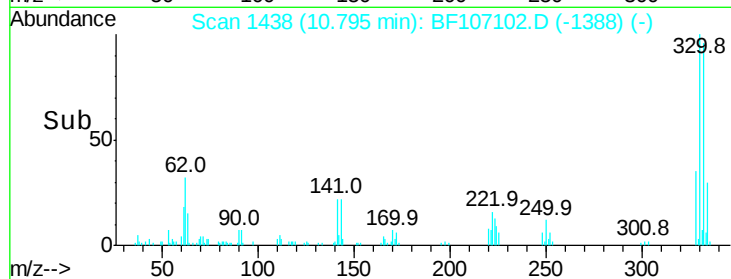
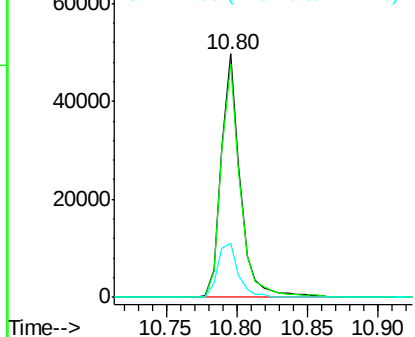
#41  
 2,4,6-Tribromophenol  
 Concen: 56.801 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107102.D  
 Acq: 4 Jul 2018 1:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-09

Tot Ion:330 Resp: 46564  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.0 115.6  
 141 23.8 29.9 44.9#

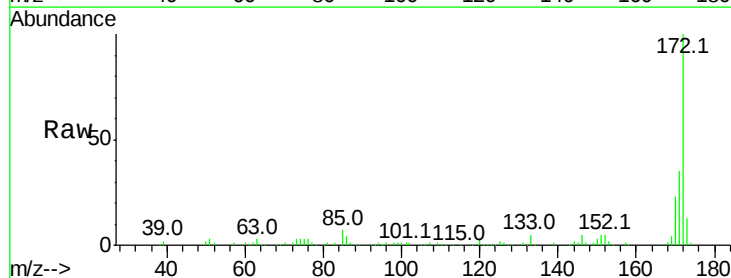


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

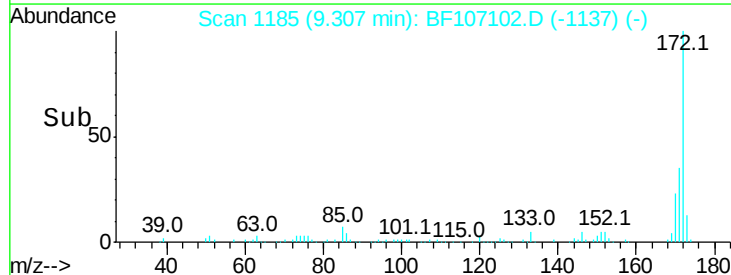
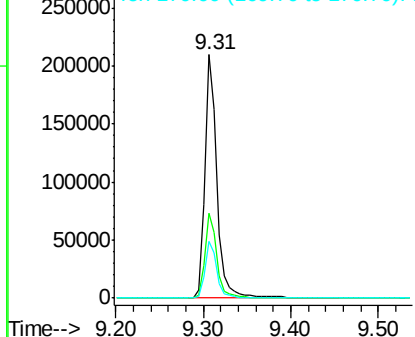


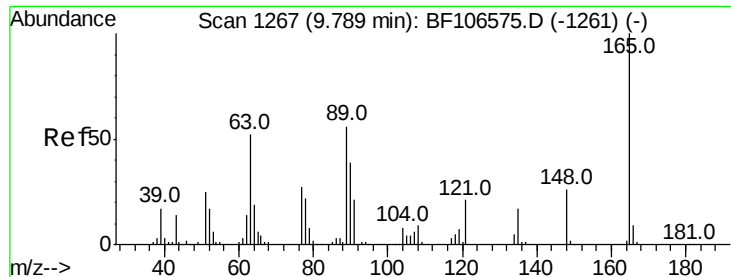
#44  
 2-Fluorobiphenyl  
 Concen: 40.120 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107102.D  
 Acq: 4 Jul 2018 1:16

Tgt Ion:172 Resp: 200196  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 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

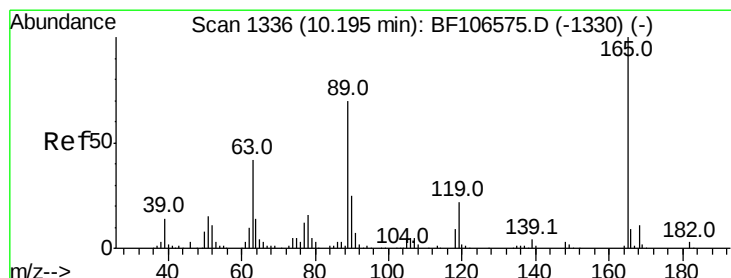
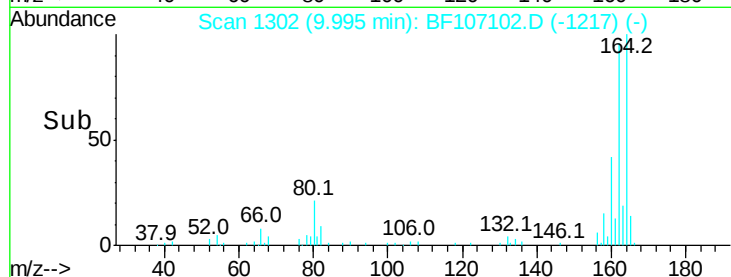
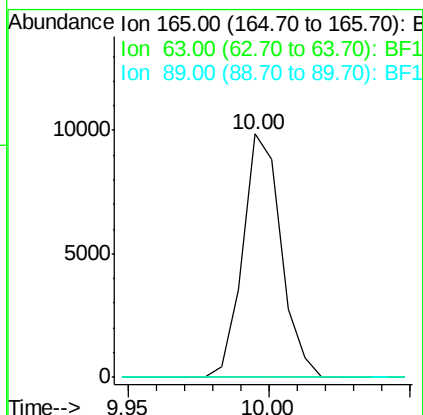
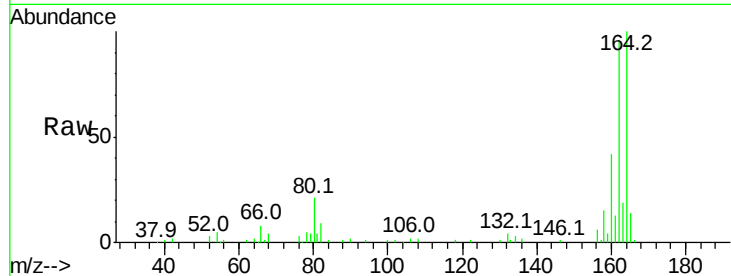




#50  
2,6-Dinitrotoluene  
Concen: 8.245 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. 0.20 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

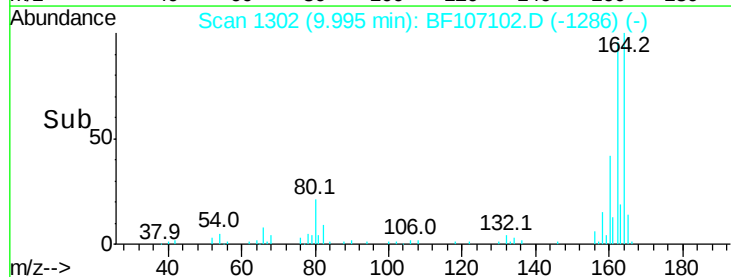
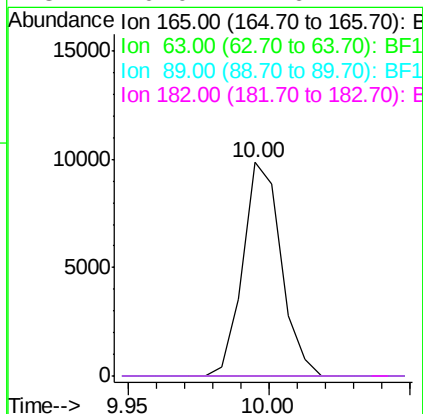
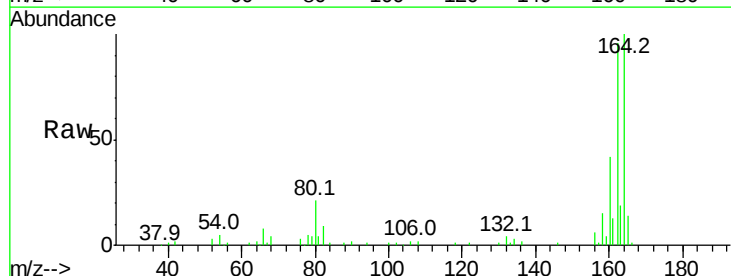
Instrument :  
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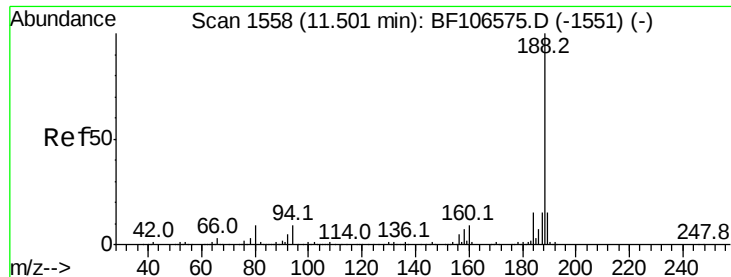
Tot Ion:165 Resp: 9262  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



#56  
2,4-Dinitrotoluene  
Concen: 6.317 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.21 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

Tgt Ion:165 Resp: 9262  
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#

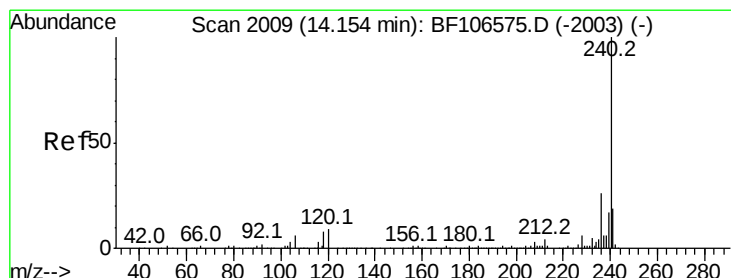
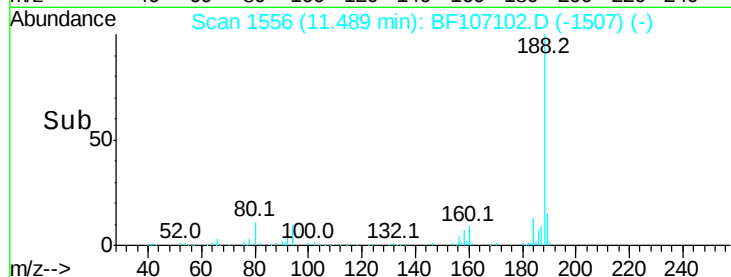
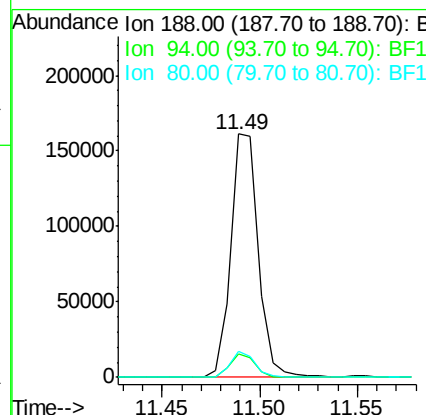
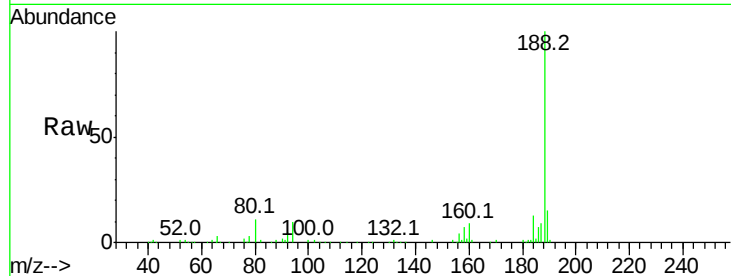




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

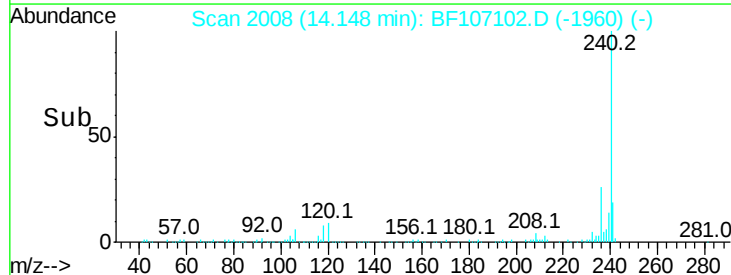
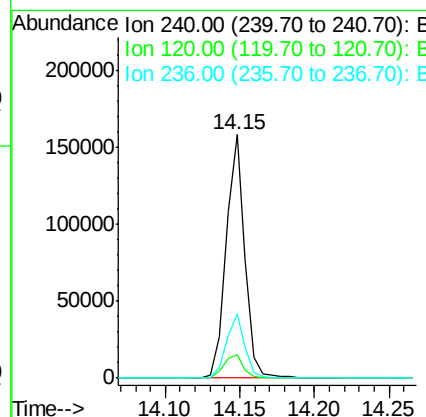
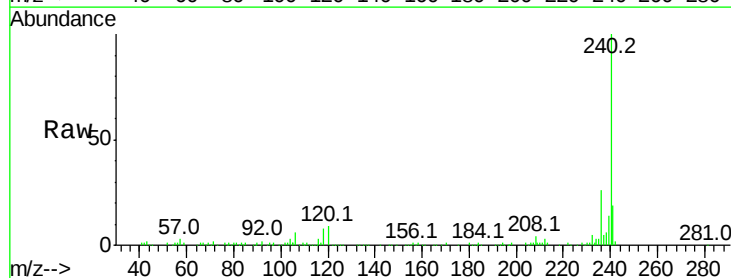
Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-09

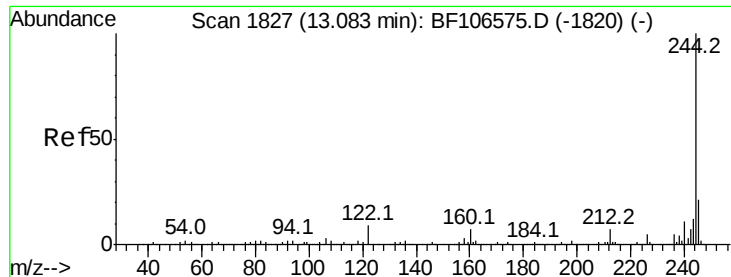
Tot Ion:188 Resp: 157749  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.5 12.7  
80 10.6 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.02 min  
Lab File: BF107102.D  
Acq: 4 Jul 2018 1:16

Tgt Ion:240 Resp: 139256  
Ion Ratio Lower Upper  
240 100  
120 9.4 9.5 14.3#  
236 26.2 20.7 31.1

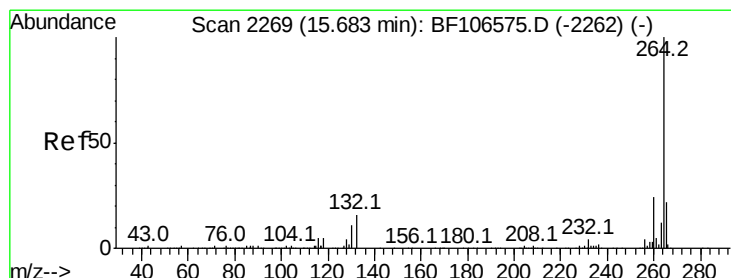
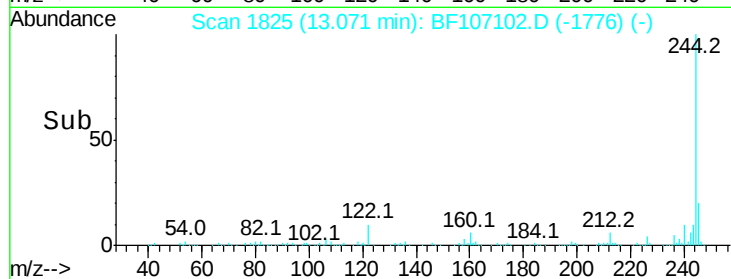
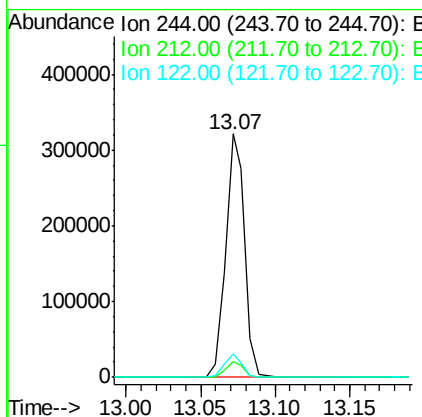
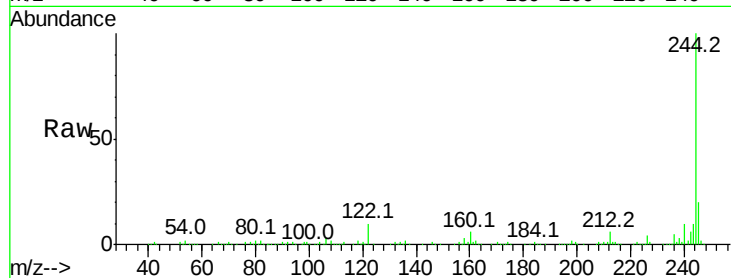




#78  
 Terphenyl-d14  
 Concen: 49.912 ng  
 RT: 13.07 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF107102.D  
 Acq: 4 Jul 2018 1:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-09

Tot Ion:244 Resp: 286942  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 9.6 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.03 min  
 Lab File: BF107102.D  
 Acq: 4 Jul 2018 1:16

Tgt Ion:264 Resp: 101053  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 20.1 17.5 26.3

