

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\  
 Data File : BF114621.D  
 Acq On : 25 May 2019 22:53  
 Operator : JU/SJ  
 Sample : PB120034BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120034BL

Quant Time: May 26 23:49:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 07:23:33 2019  
 Response via : Initial Calibration

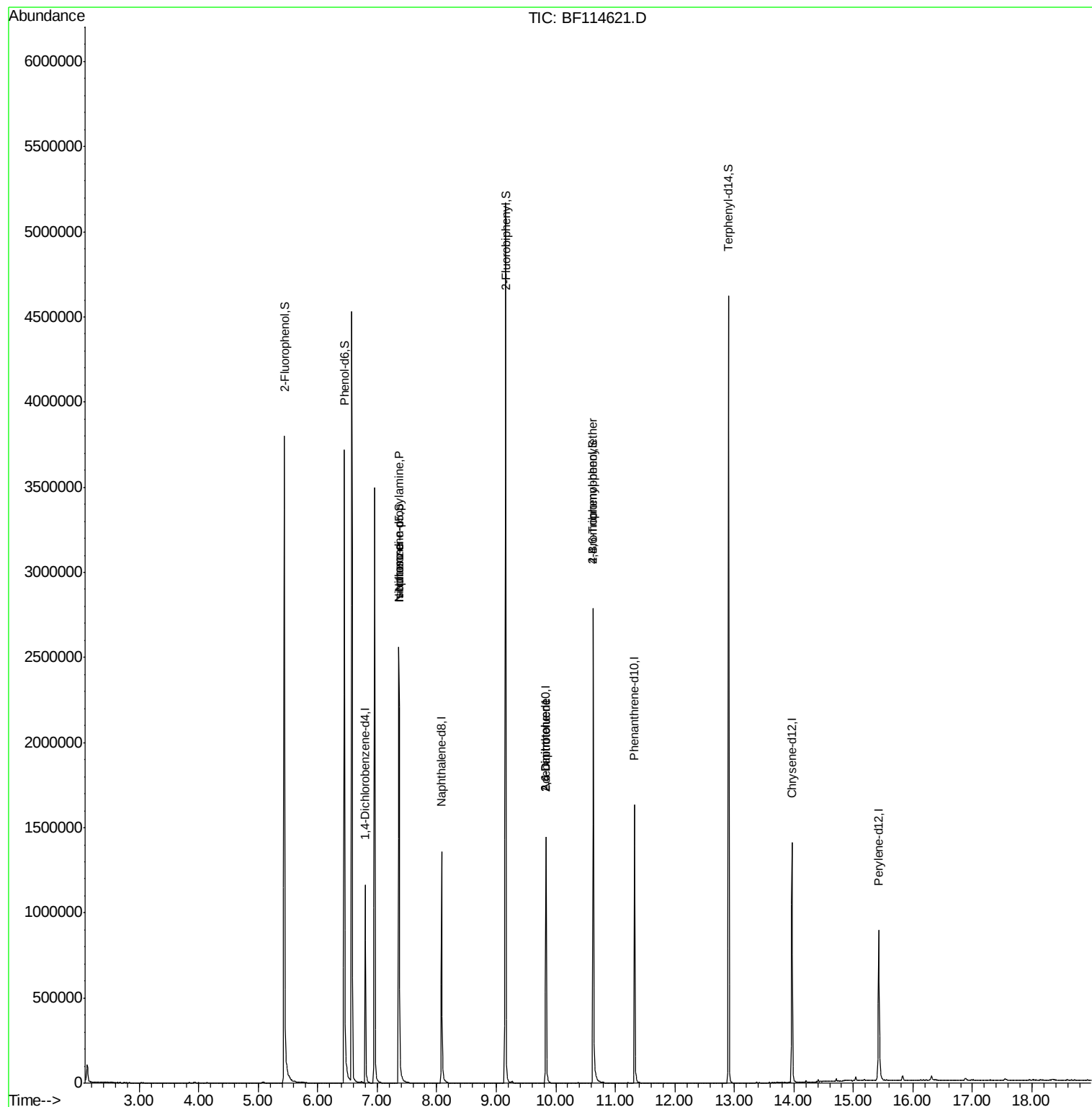
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 183815   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.08  | 136  | 703153   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.83  | 164  | 331954   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.32 | 188  | 663953   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.97 | 240  | 482129   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.43 | 264  | 465070   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.44  | 112  | 1165289  | 102.02 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 1530645  | 113.30 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 922686   | 73.64  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 352669   | 102.76 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 1681291  | 76.61  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.90 | 244  | 1635961  | 69.95  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 121197   | 14.154 | ng    | # 77     |
| 25) Isophorone                 | 7.36  | 82   | 922679   | 39.707 | ng    | # 64     |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 40826    | 7.553  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 40827    | 5.565  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 22575    | 3.088  | ng    | # 1      |

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

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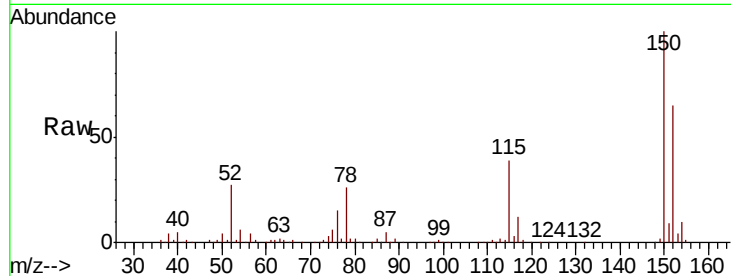


#1

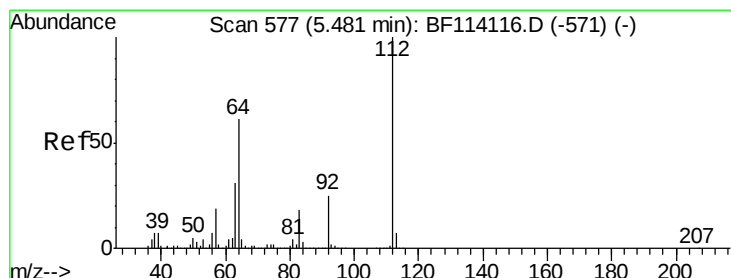
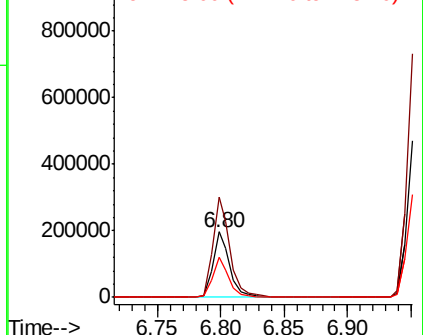
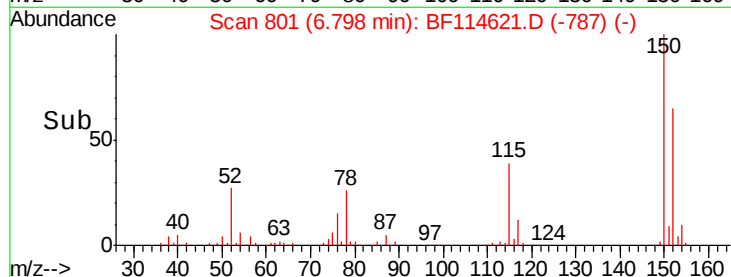
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.02 min  
Lab File: BF114621.D  
Acq: 25 May 2019 22:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB120034BL

Tot Ion:152 Resp: 183815  
Ion Ratio Lower Upper  
152 100  
150 154.4 124.3 186.5  
115 60.8 49.1 73.7



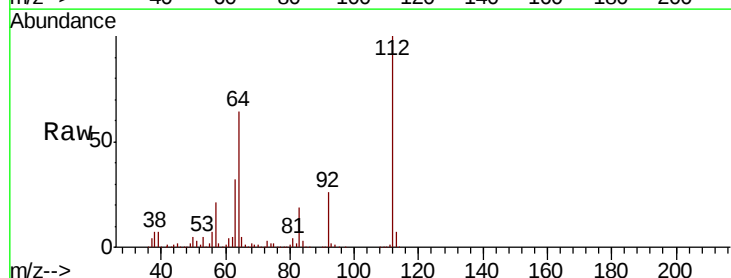
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



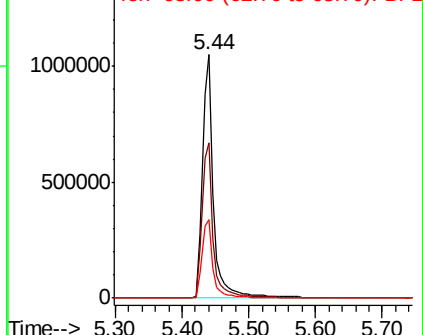
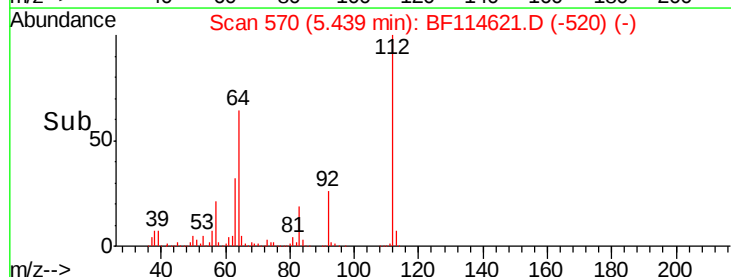
#5

2-Fluorophenol  
Concen: 102.019 ng  
RT: 5.44 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: BF114621.D  
Acq: 25 May 2019 22:53

Tgt Ion:112 Resp: 1165289  
Ion Ratio Lower Upper  
112 100  
64 63.7 49.0 73.6  
63 32.3 24.6 37.0



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: 113.301 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Instrument :

BNA\_F

ClientSampleId :

PB120034BL

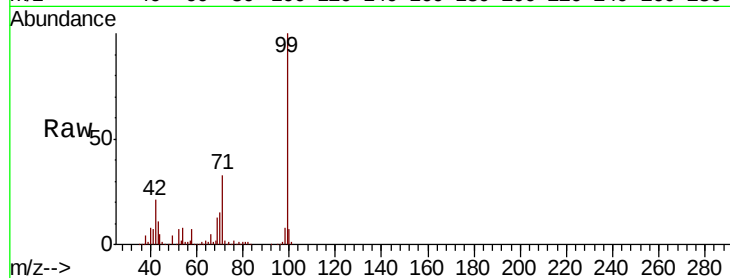
Tot Ion: 99 Resp: 1530645

Ion Ratio Lower Upper

99 100

42 20.7 17.9 26.9

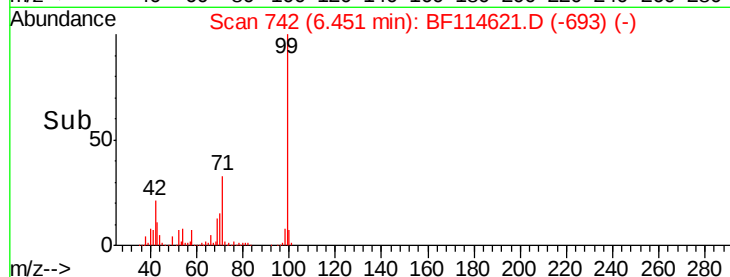
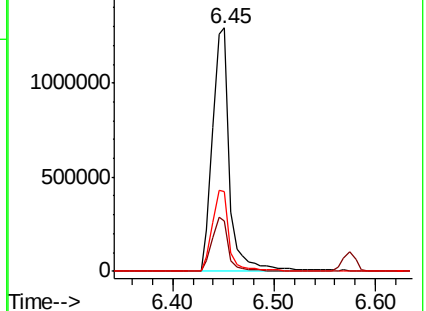
71 32.9 26.2 39.2



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: 14.154 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Tgt Ion: 70 Resp: 121197

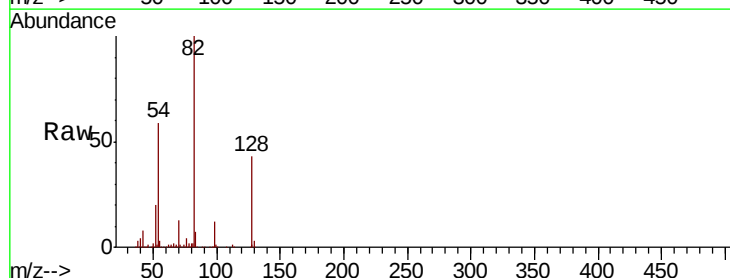
Ion Ratio Lower Upper

70 100

42 58.2 58.6 87.8#

101 0.0 7.8 11.8#

130 2.5 17.1 25.7#

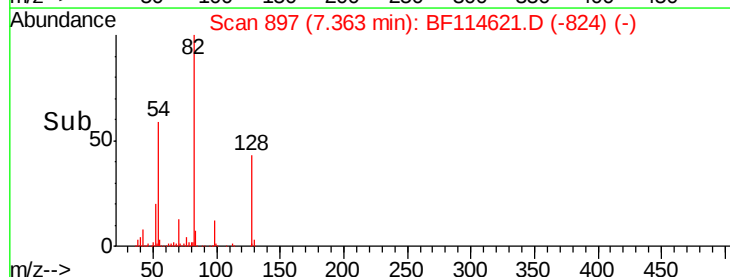
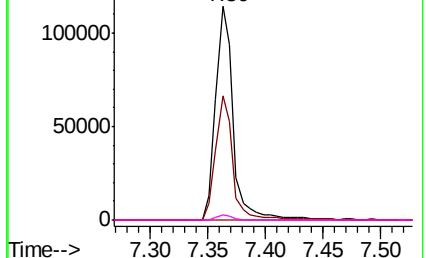


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Instrument :

BNA\_F

ClientSampleId :

PB120034BL

Tot Ion:136 Resp: 703153

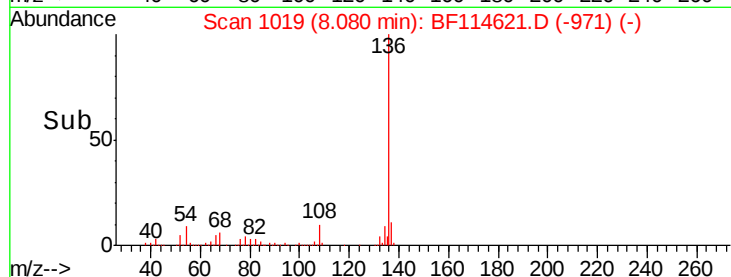
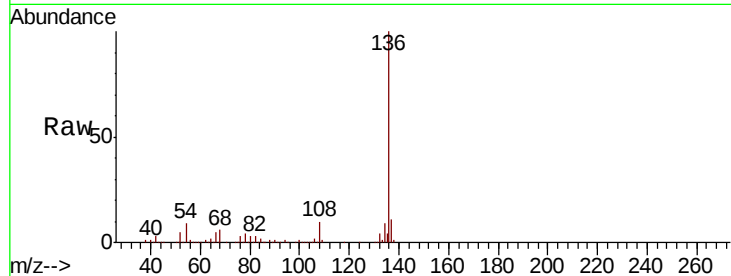
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.4 7.8 11.8

68 5.7 5.1 7.7

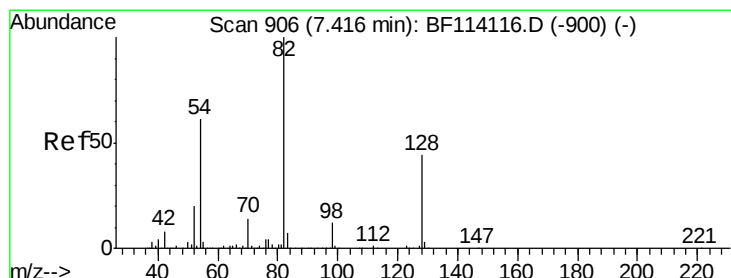
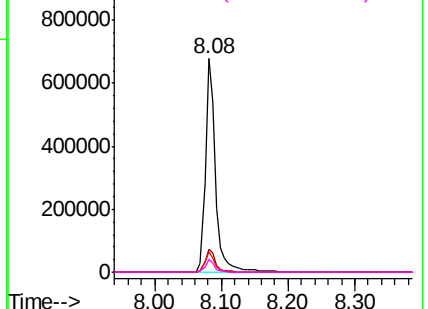


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.641 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

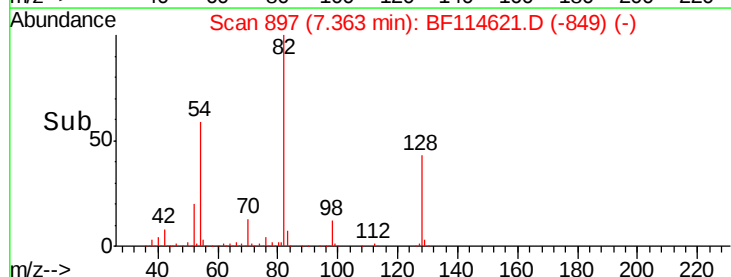
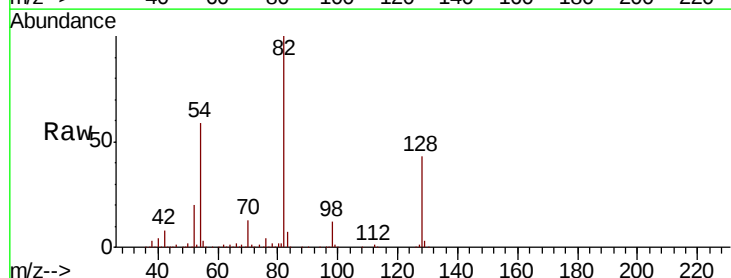
Tgt Ion: 82 Resp: 922686

Ion Ratio Lower Upper

82 100

128 43.0 35.5 53.3

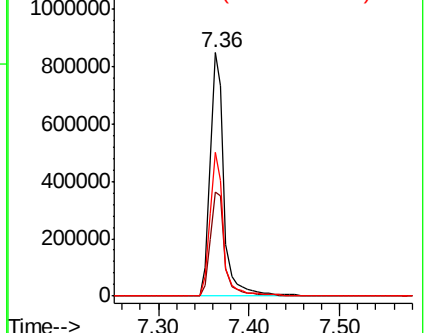
54 59.0 48.5 72.7



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: 39.707 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Instrument :

BNA\_F

ClientSampleId :

PB120034BL

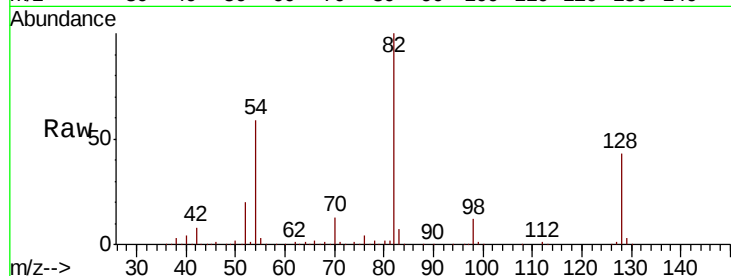
Tot Ion: 82 Resp: 922679

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

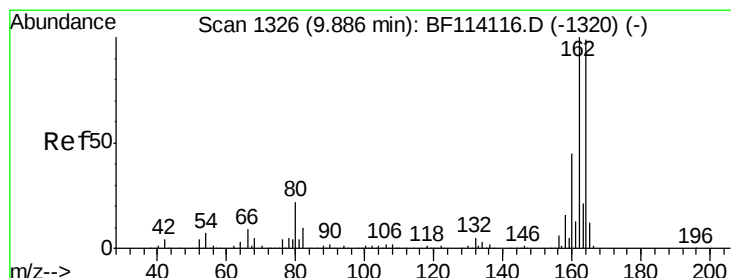
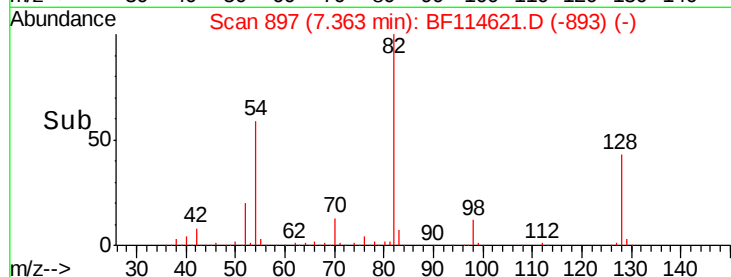
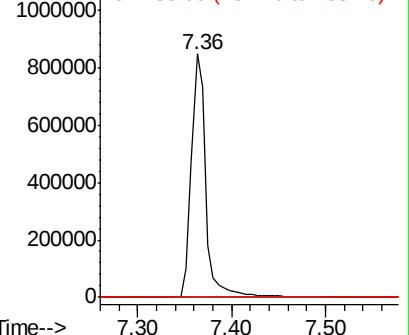
138 0.0 14.8 22.2#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

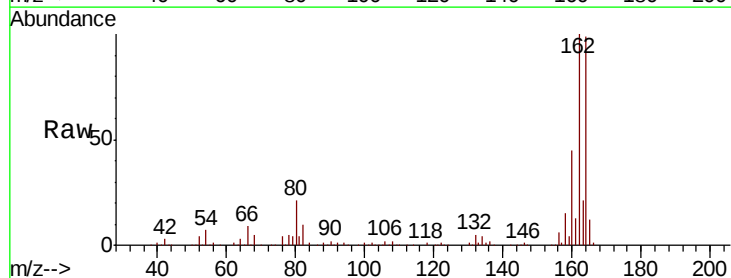
Tgt Ion: 164 Resp: 331954

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

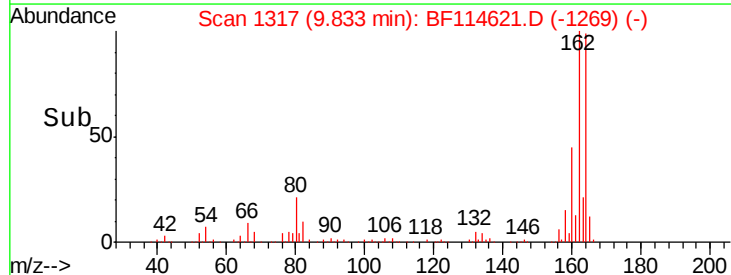
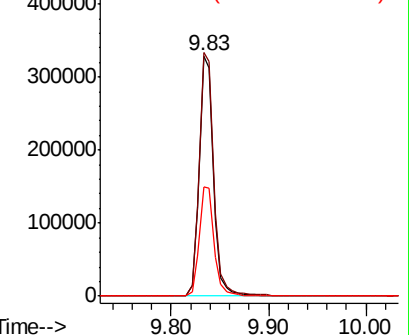
160 45.3 36.5 54.7

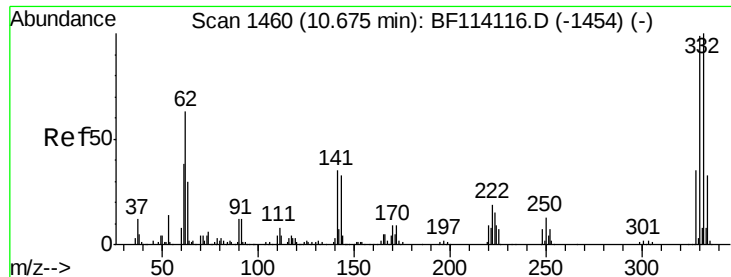


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 102.764 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Instrument :

BNA\_F

ClientSampleId :

PB120034BL

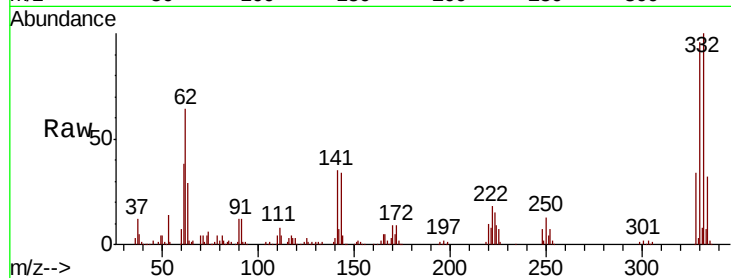
Tot Ion:330 Resp: 352669

Ion Ratio Lower Upper

330 100

332 102.3 81.4 122.2

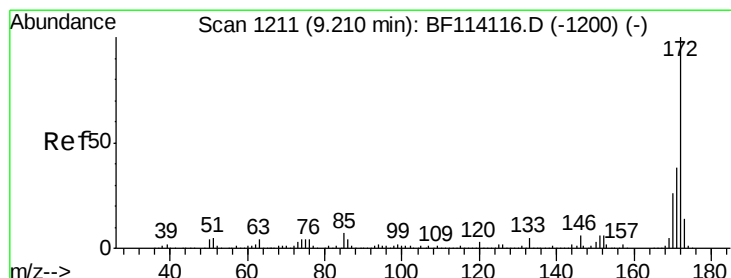
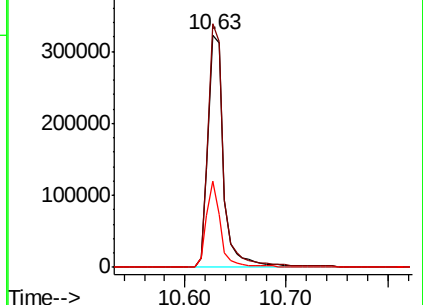
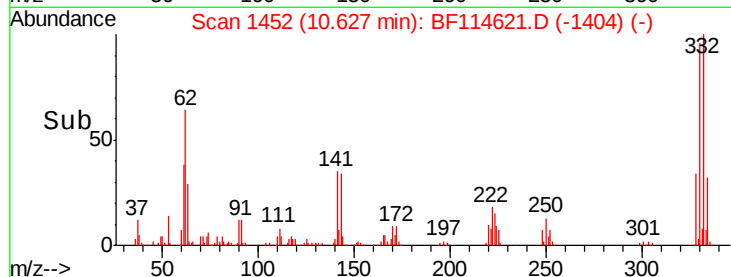
141 33.8 26.6 40.0



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



#45

2-Fluorobiphenyl

Concen: 76.614 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

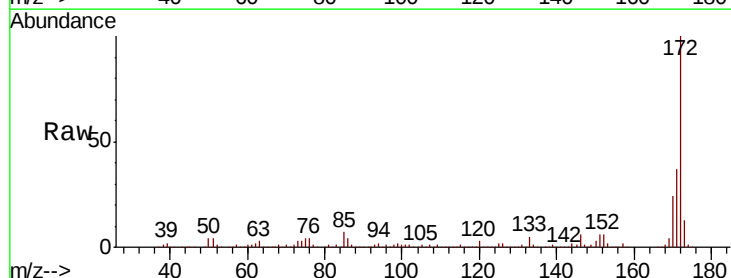
Tgt Ion:172 Resp: 1681291

Ion Ratio Lower Upper

172 100

171 36.8 30.7 46.1

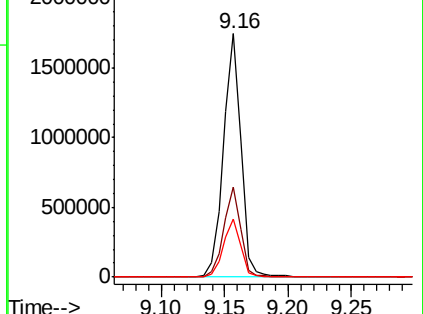
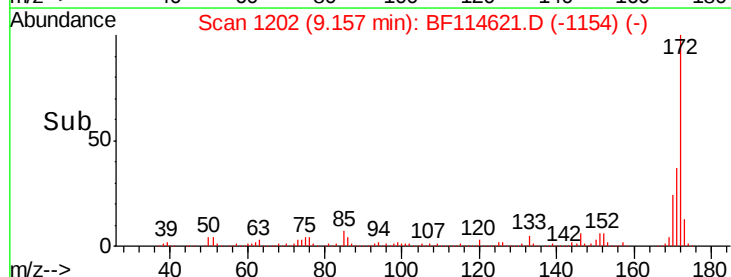
170 23.9 20.5 30.7

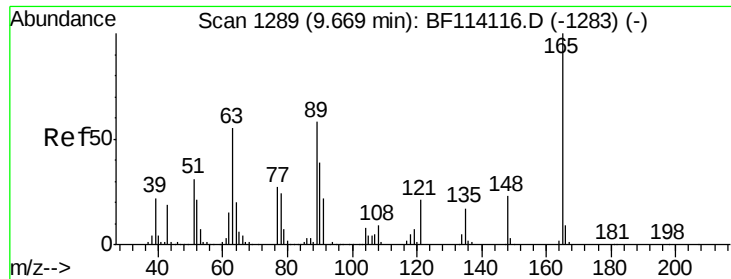


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

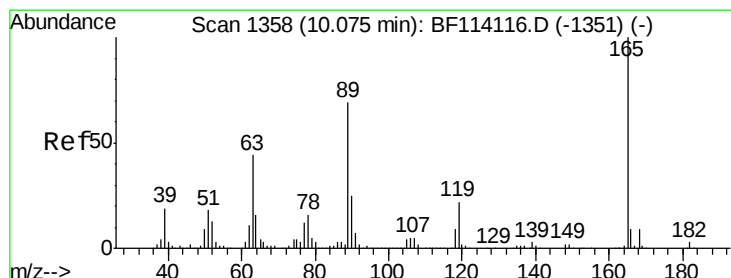
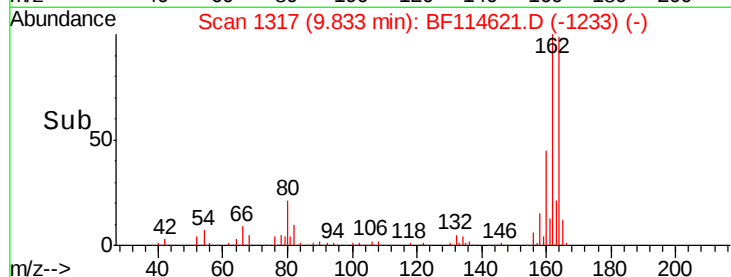
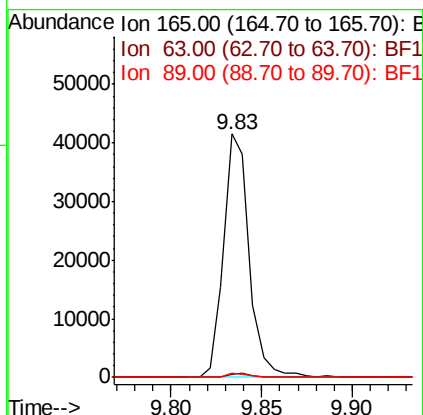
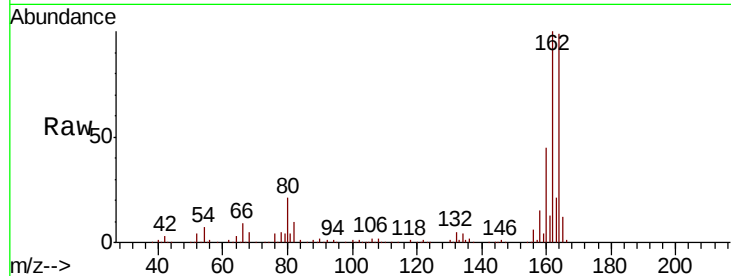




#51  
 2,6-Dinitrotoluene  
 Concen: 7.553 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. 0.19 min  
 Lab File: BF114621.D  
 Acq: 25 May 2019 22:53

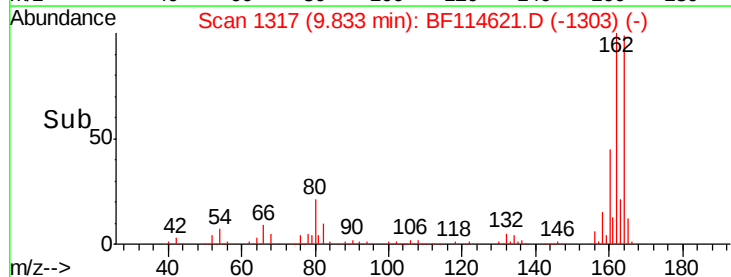
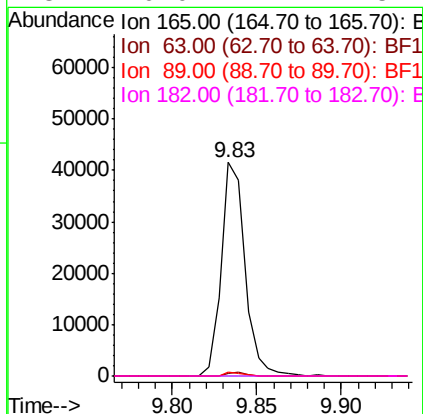
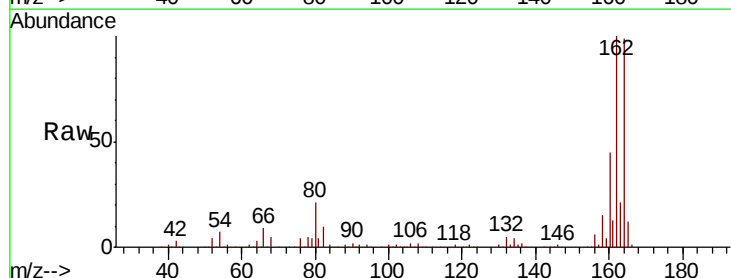
Instrument :  
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 PB120034BL

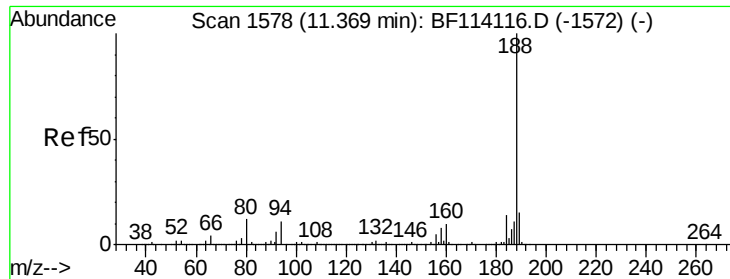
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 50.2  | 75.4# |
| 89      | 1.6   | 46.6  | 69.8# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.565 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.22 min  
 Lab File: BF114621.D  
 Acq: 25 May 2019 22:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 35.5  | 53.3# |
| 89      | 1.6   | 55.2  | 82.8# |
| 182     | 0.0   | 2.2   | 3.2#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

Instrument :

BNA\_F

ClientSampleId :

PB120034BL

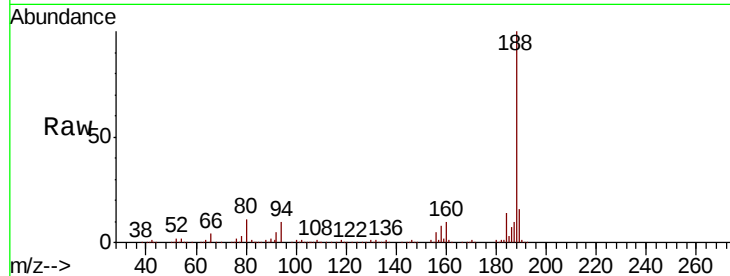
Tot Ion:188 Resp: 663953

Ion Ratio Lower Upper

188 100

94 10.2 8.4 12.6

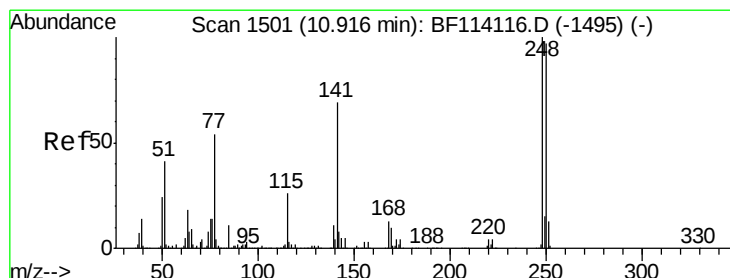
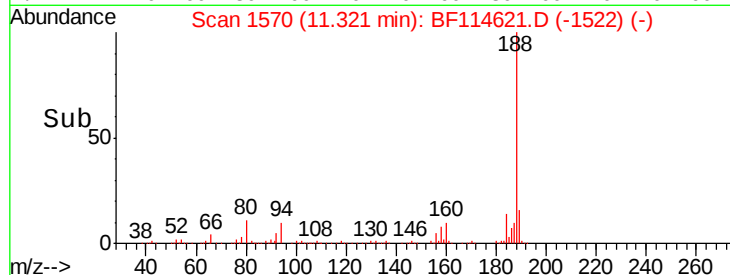
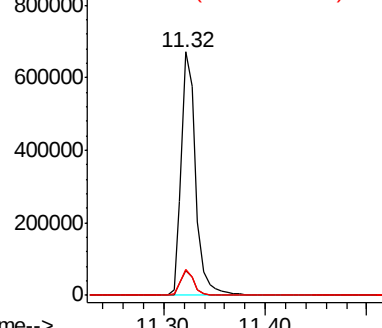
80 10.7 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.088 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF114621.D

Acq: 25 May 2019 22:53

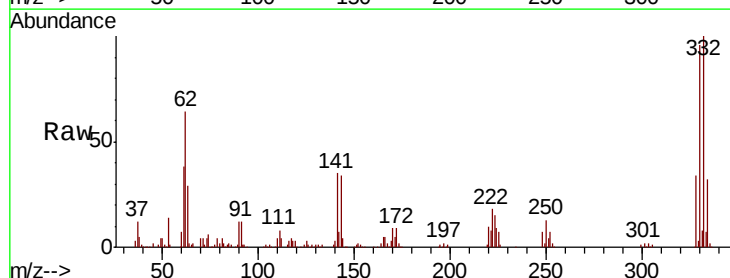
Tgt Ion:248 Resp: 22575

Ion Ratio Lower Upper

248 100

250 193.4 77.4 116.2#

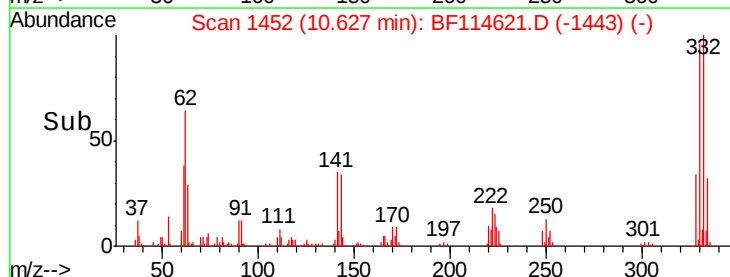
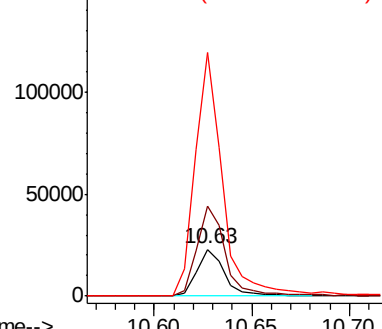
141 520.1 55.6 83.4#

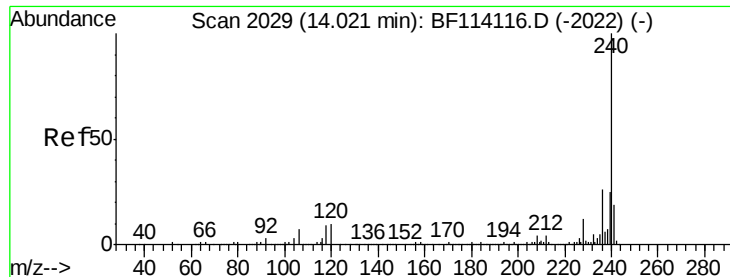


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

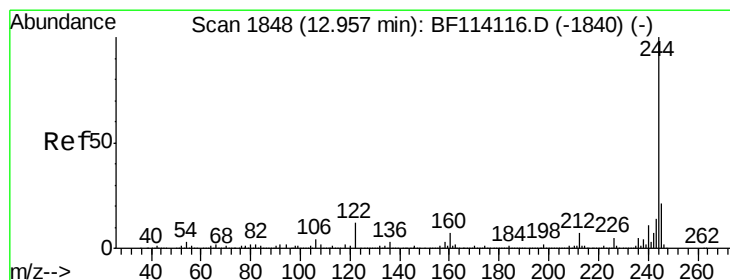
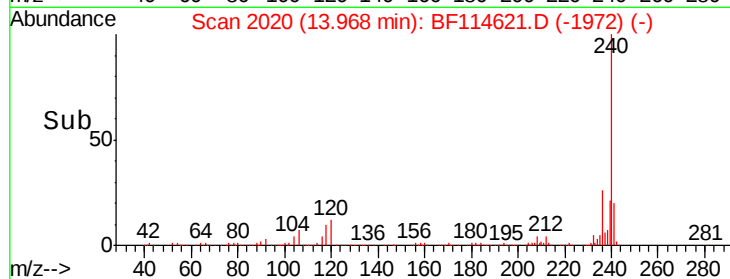
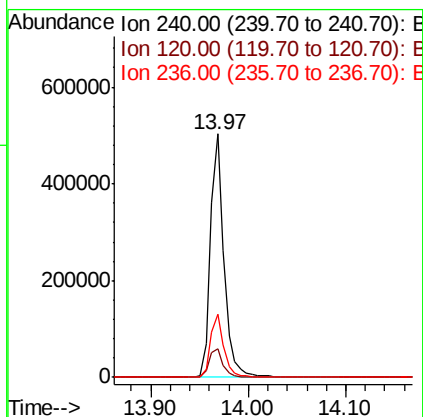
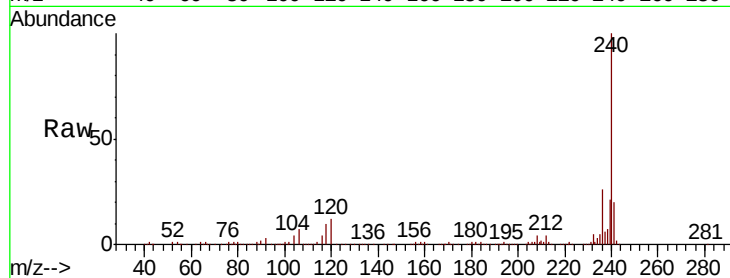




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.02 min  
Lab File: BF114621.D  
Acq: 25 May 2019 22:53

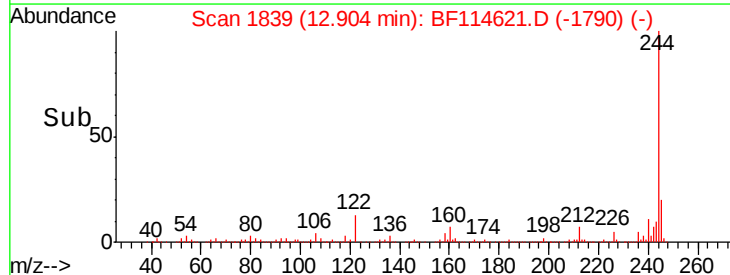
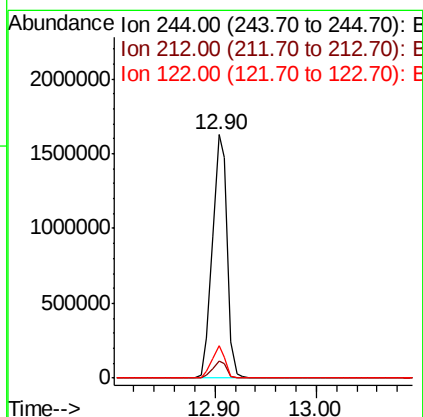
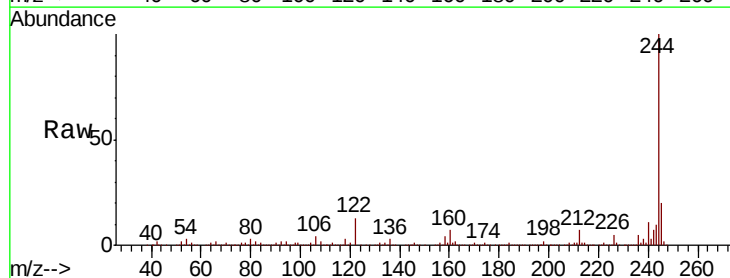
Instrument :  
BNA\_F  
ClientSampleId :  
PB120034BL

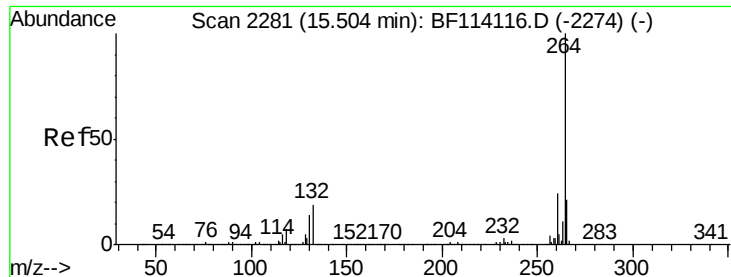
Tot Ion:240 Resp: 482129  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.3 12.5  
236 26.1 20.8 31.2



#79  
Terphenyl-d14  
Concen: 69.949 ng  
RT: 12.90 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BF114621.D  
Acq: 25 May 2019 22:53

Tgt Ion:244 Resp: 1635961  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.6  
122 13.2 9.4 14.2





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2268  
 Delta R.T. -0.02 min  
 Lab File: BF114621.D  
 Acq: 25 May 2019 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120034BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.4  | 29.0  |
| 265     | 21.2  | 16.9  | 25.3  |

