

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\  
 Data File : BF121558.D  
 Acq On : 14 Sep 2020 13:40  
 Operator : JU/CG  
 Sample : PB131540BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131540BL

Quant Time: Sep 14 14:03:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 16:47:54 2020  
 Response via : Initial Calibration

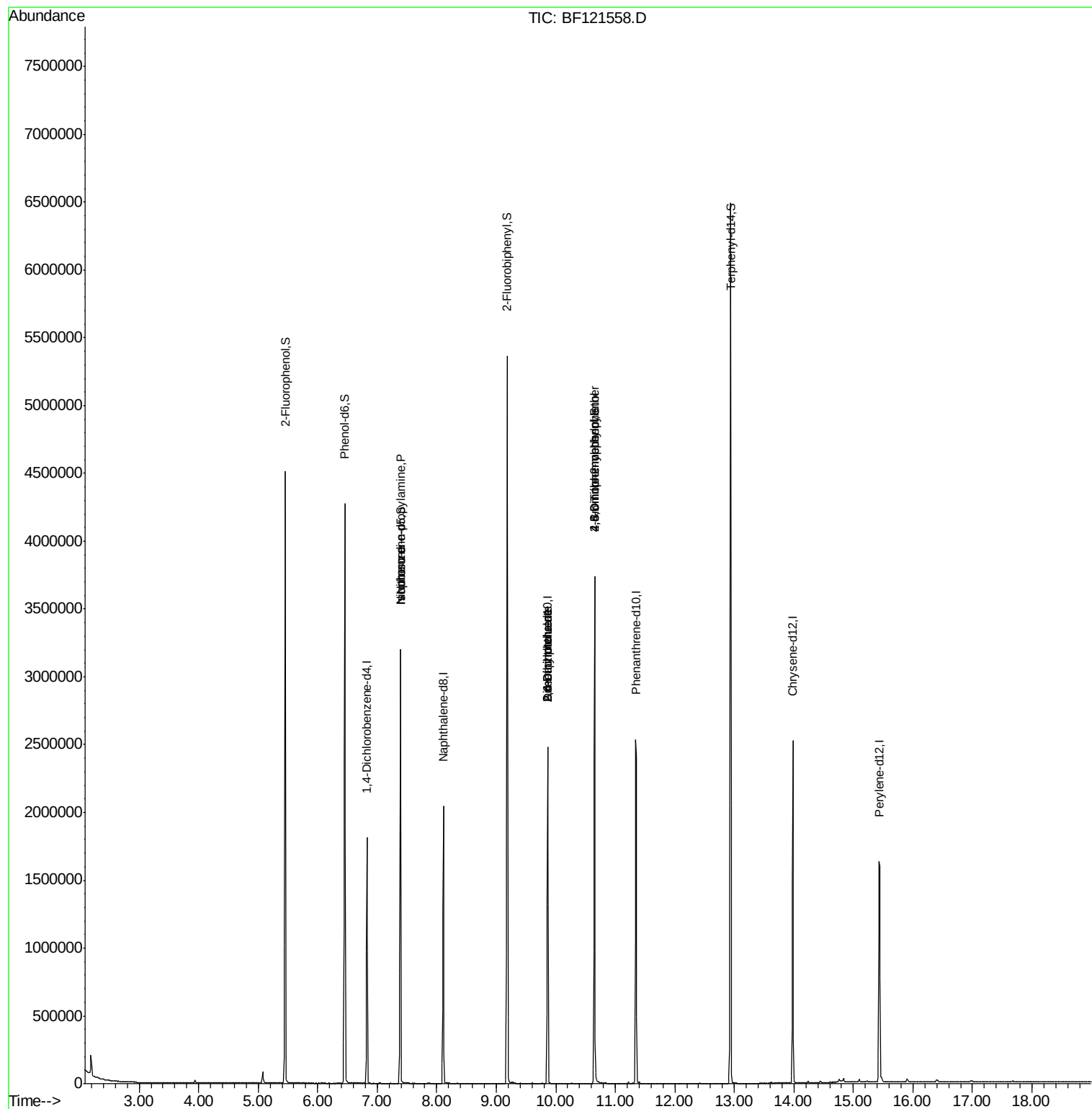
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 246958   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.11  | 136  | 978673   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.86  | 164  | 513894   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.35 | 188  | 983371   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.98 | 240  | 861452   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.44 | 264  | 780406   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1318829  | 79.36  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.46  | 99   | 1684191  | 77.25  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 1130895  | 62.04  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.65 | 330  | 517322   | 81.00  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 2003181  | 59.04  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.94 | 244  | 2266507  | 53.30  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 149578   | 11.905 | ng    | # 78     |
| 25) Isophorone                 | 7.39  | 82   | 1123675  | 30.624 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.86  | 163  | 108013   | 2.900  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 9.86  | 165  | 66870    | 8.430  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 9.86  | 165  | 66870    | 6.701  | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 1077     | 7.005  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 30472    | 2.722  | ng    | # 1      |

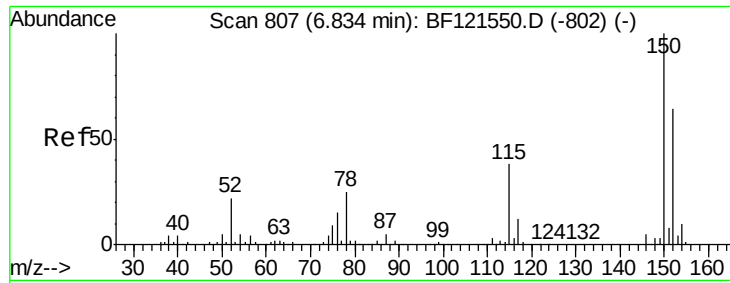
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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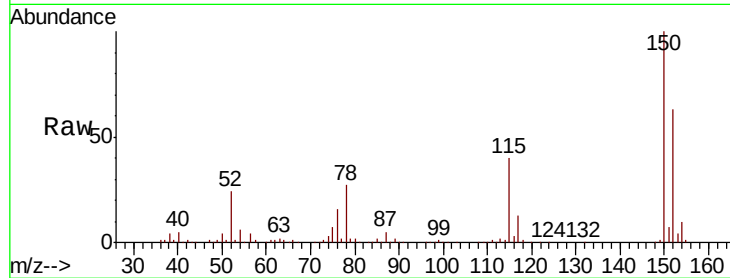


#1

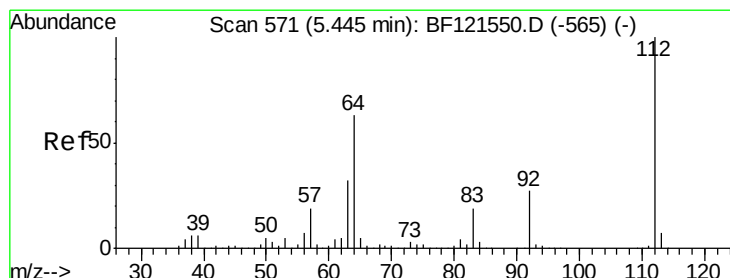
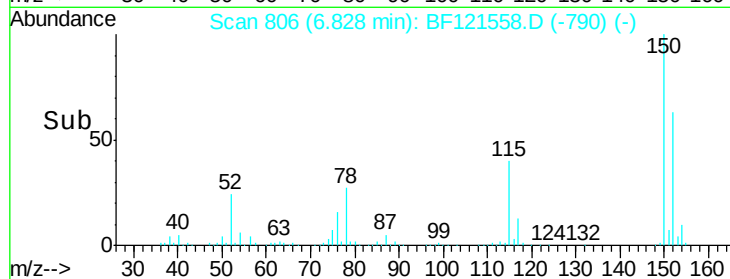
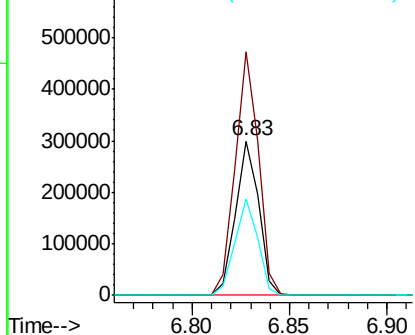
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF121558.D  
 Acq: 14 Sep 2020 13:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131540BL

Tot Ion:152 Resp: 246958  
 Ion Ratio Lower Upper  
 152 100  
 150 157.7 125.8 188.6  
 115 62.6 47.8 71.8



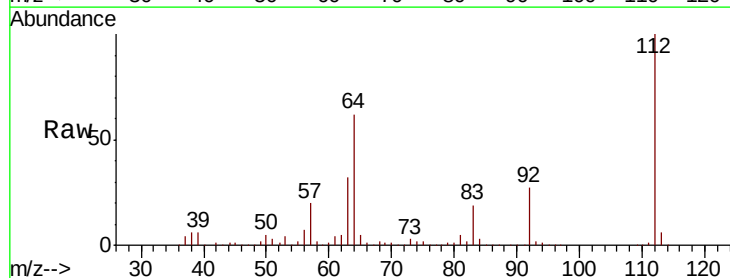
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



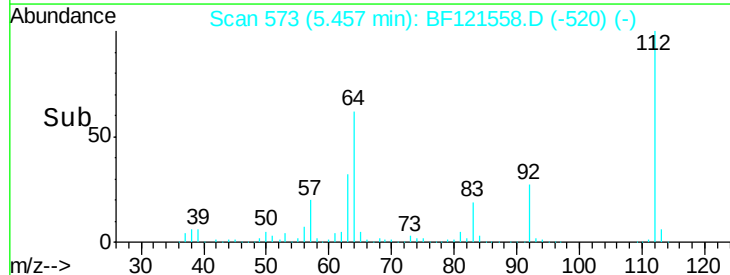
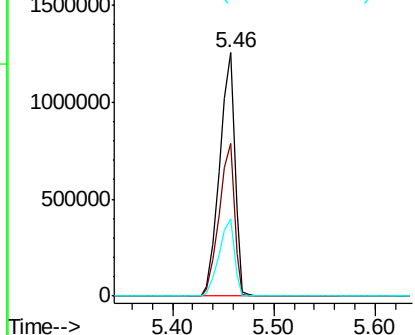
#5

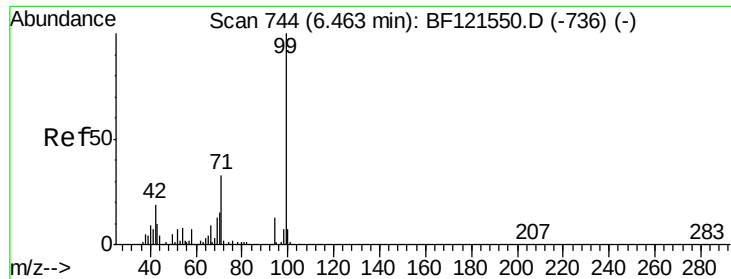
2-Fluorophenol  
 Concen: 79.364 ng  
 RT: 5.46 min Scan# 573  
 Delta R.T. 0.01 min  
 Lab File: BF121558.D  
 Acq: 14 Sep 2020 13:40

Tgt Ion:112 Resp: 1318829  
 Ion Ratio Lower Upper  
 112 100  
 64 62.5 50.3 75.5  
 63 32.0 25.6 38.4



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: 77.252 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

Instrument :

BNA\_F

ClientSampleId :

PB131540BL

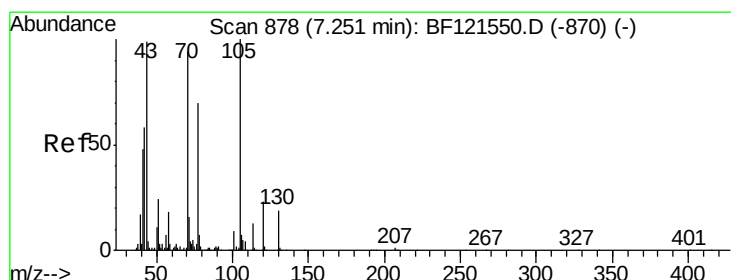
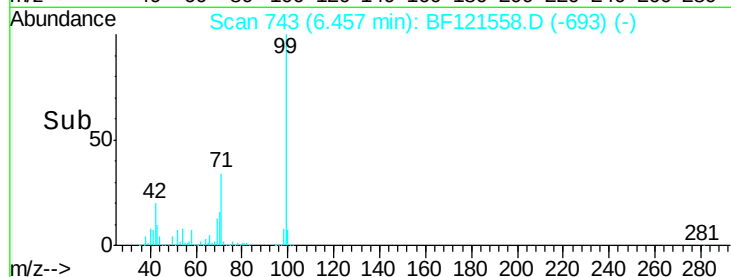
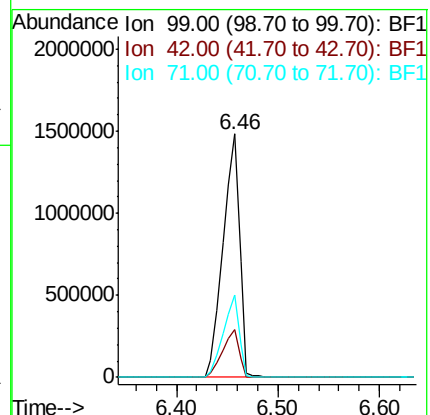
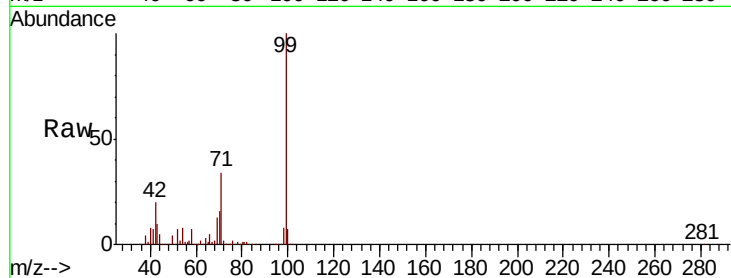
Tot Ion: 99 Resp: 1684191

Ion Ratio Lower Upper

99 100

42 19.8 15.5 23.3

71 33.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.905 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

Tgt Ion: 70 Resp: 149578

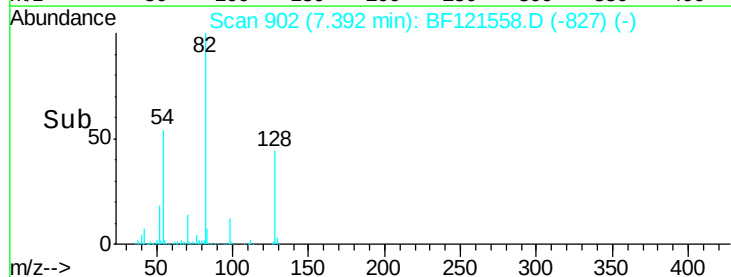
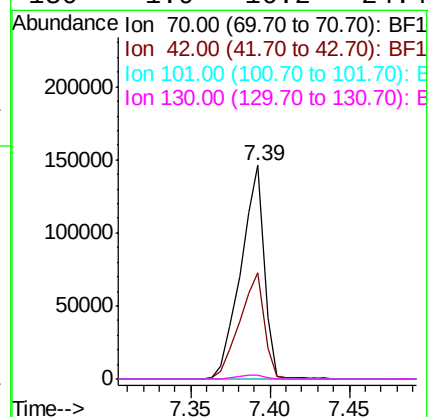
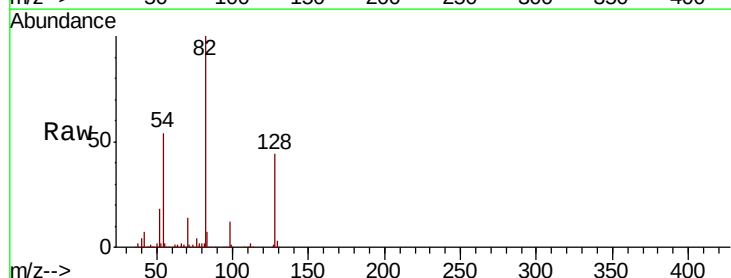
Ion Ratio Lower Upper

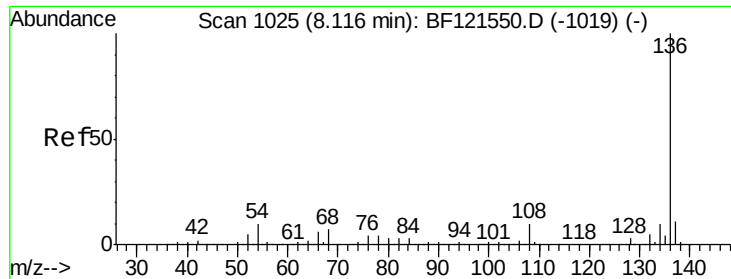
70 100

42 49.6 49.4 74.2

101 0.0 7.6 11.4#

130 1.9 16.2 24.4#

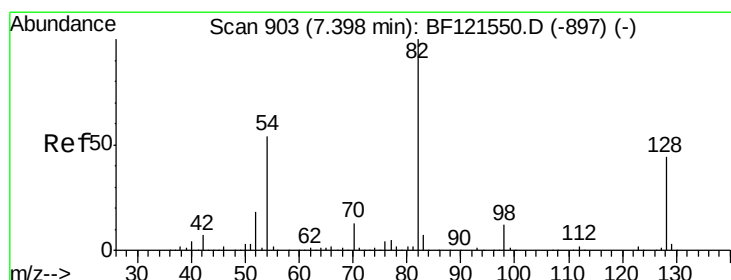
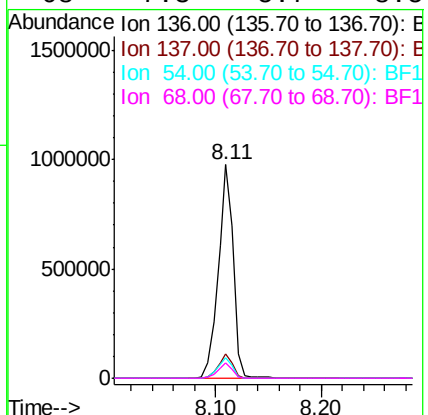
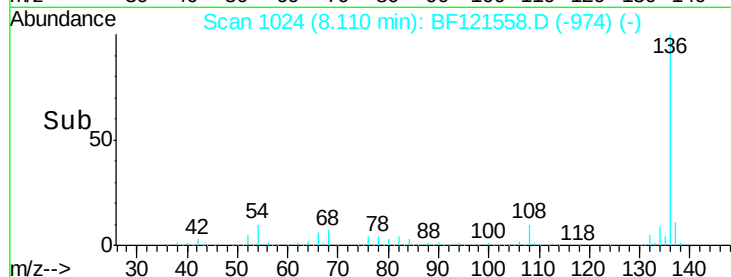
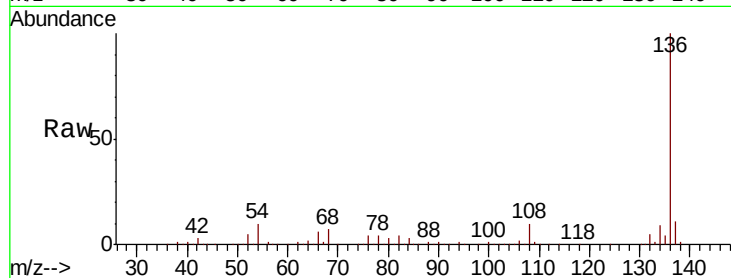




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

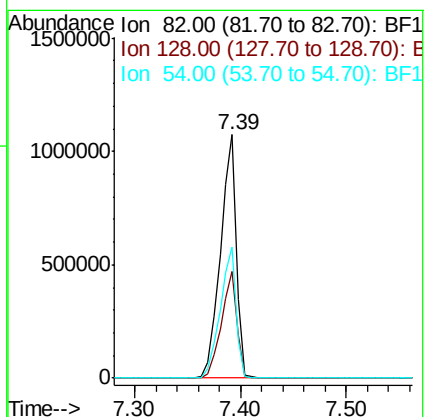
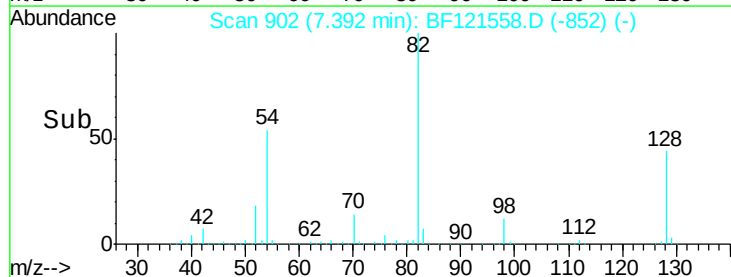
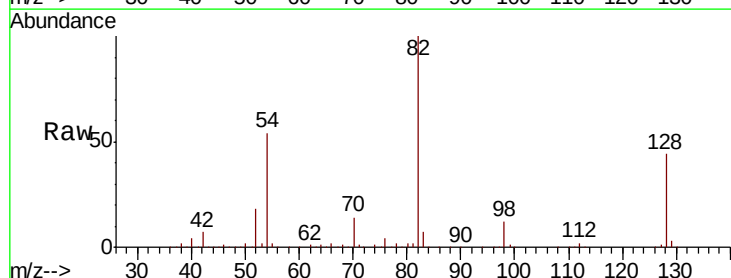
Instrument :  
BNA\_F  
ClientSampleId :  
PB131540BL

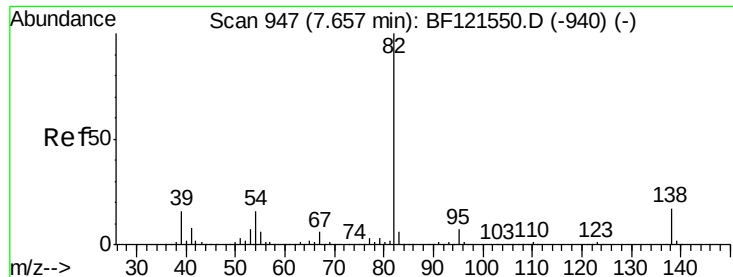
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 978673 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.1    | 9.0   | 13.6   |  |
| 54 9.8      | 7.6   | 11.4   |  |
| 68 7.3      | 5.7   | 8.5    |  |



#23  
Nitrobenzene-d5  
Concen: 62.043 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1130895 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 44.0    | 35.1 52.7     |
| 54 53.6     | 43.0 64.6     |





#25

Isophorone

Concen: 30.624 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

Instrument :

BNA\_F

ClientSampleId :

PB131540BL

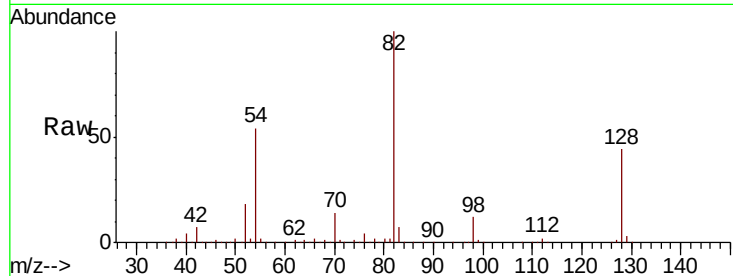
Tot Ion: 82 Resp: 1123675

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

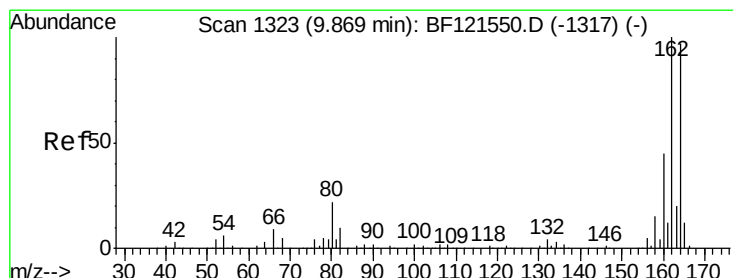
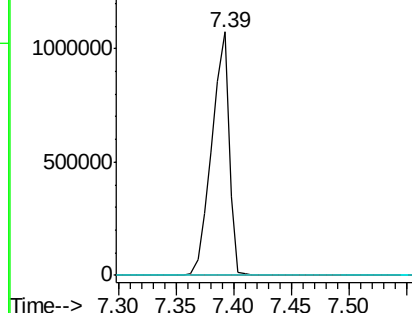
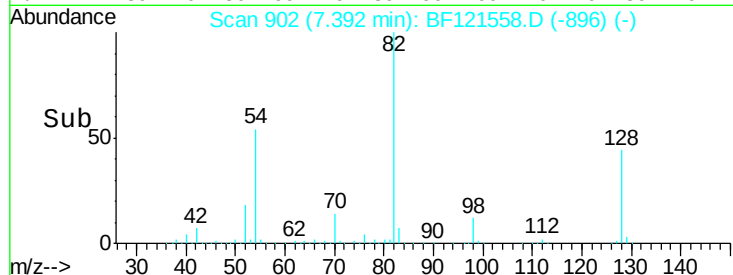
138 0.0 13.7 20.5#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

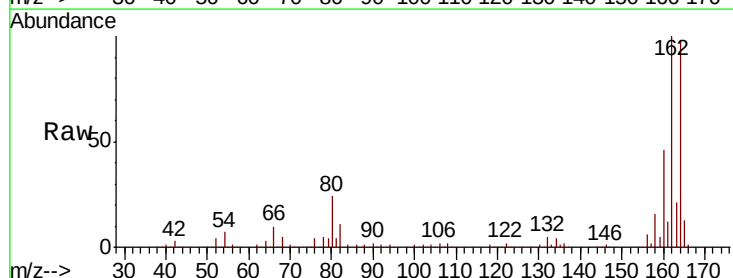
Tgt Ion: 164 Resp: 513894

Ion Ratio Lower Upper

164 100

162 101.7 82.3 123.5

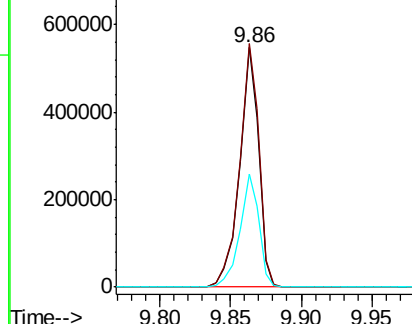
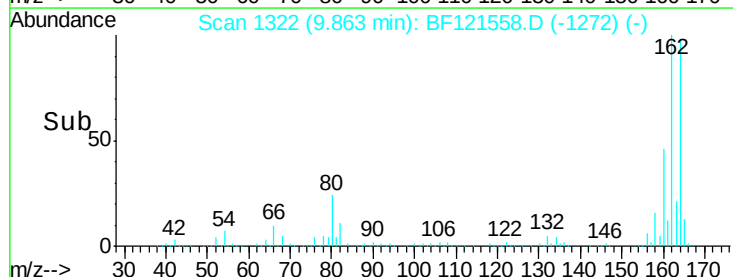
160 47.3 37.0 55.4

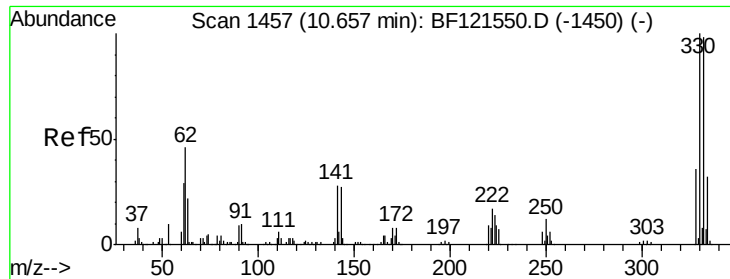


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 80.996 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

Instrument :

BNA\_F

ClientSampleId :

PB131540BL

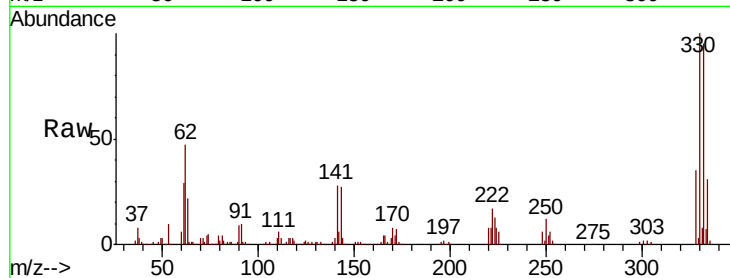
Tot Ion:330 Resp: 517322

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

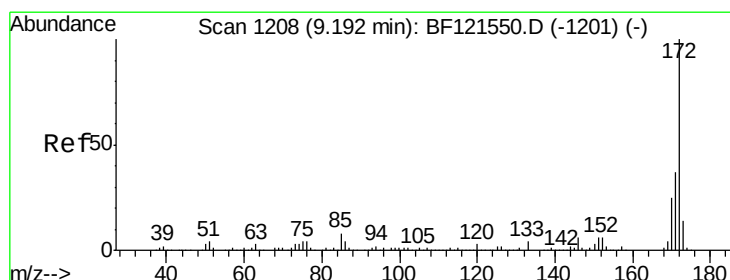
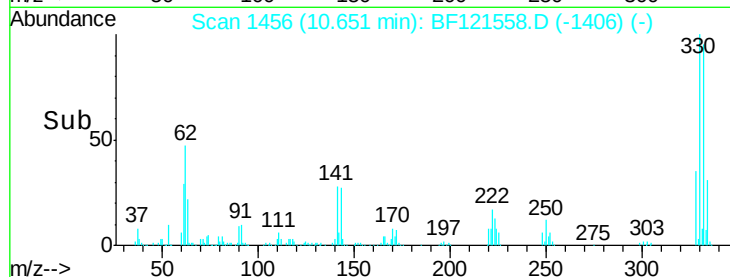
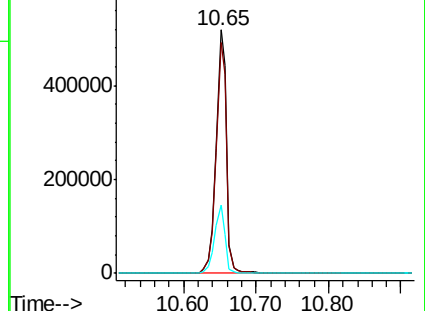
141 28.3 23.6 35.4



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: 59.037 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

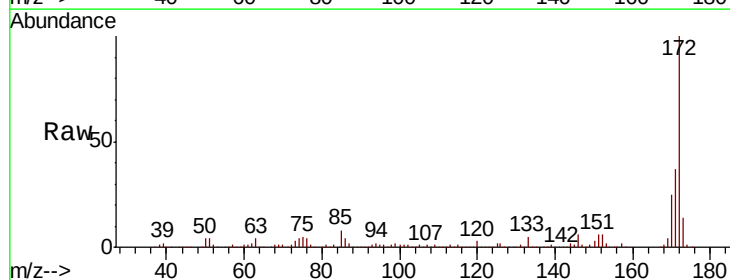
Tgt Ion:172 Resp: 2003181

Ion Ratio Lower Upper

172 100

171 36.7 29.8 44.6

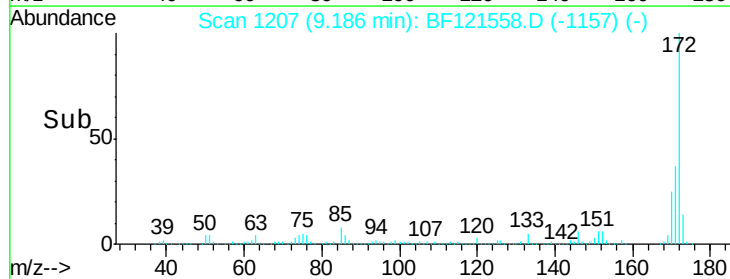
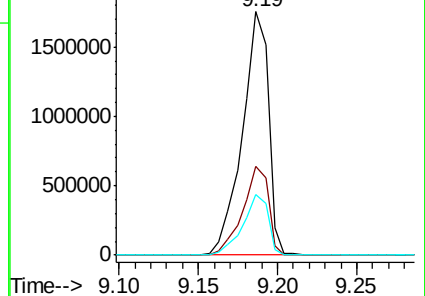
170 24.8 19.8 29.8

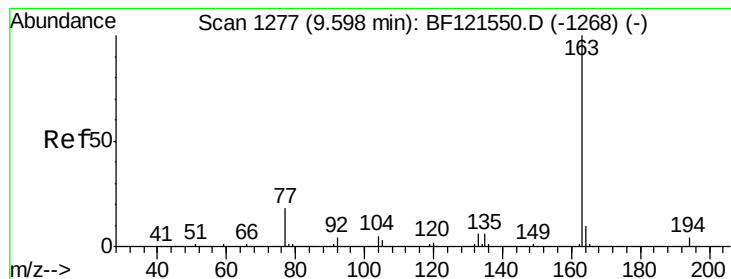


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.900 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.26 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

Instrument :

BNA\_F

ClientSampleId :

PB131540BL

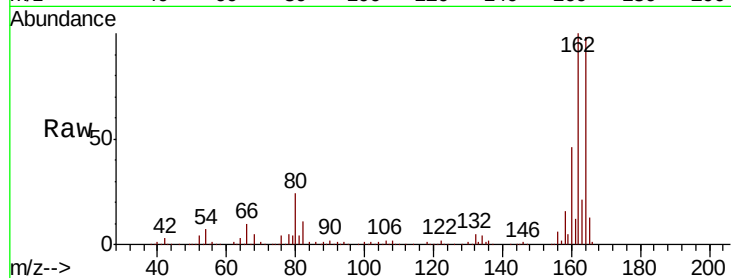
Tot Ion:163 Resp: 108013

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

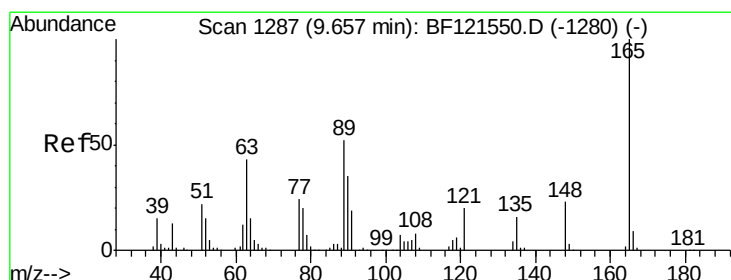
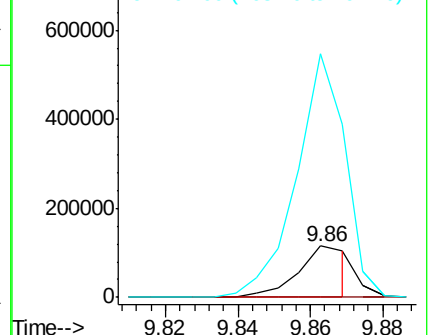
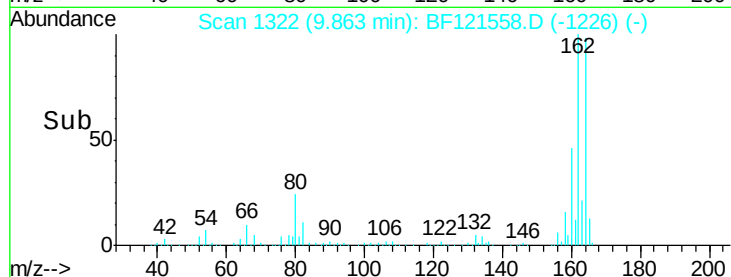
164 475.3 7.9 11.9#



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



#51

2,6-Dinitrotoluene

Concen: 8.430 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF121558.D

Acq: 14 Sep 2020 13:40

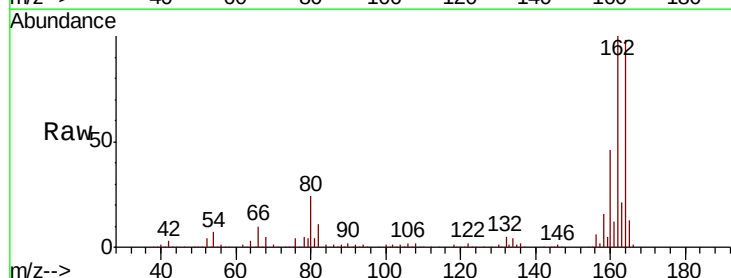
Tgt Ion:165 Resp: 66870

Ion Ratio Lower Upper

165 100

63 1.5 40.6 61.0#

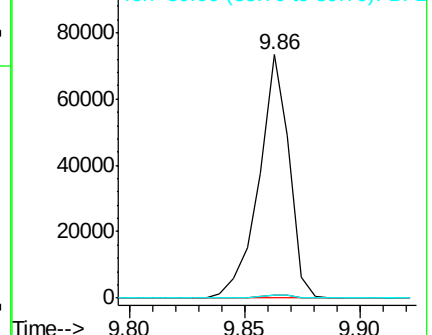
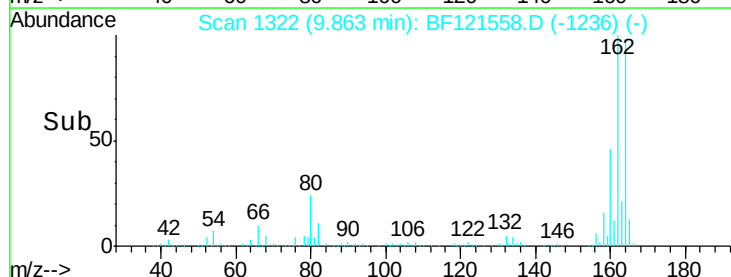
89 1.4 41.8 62.8#



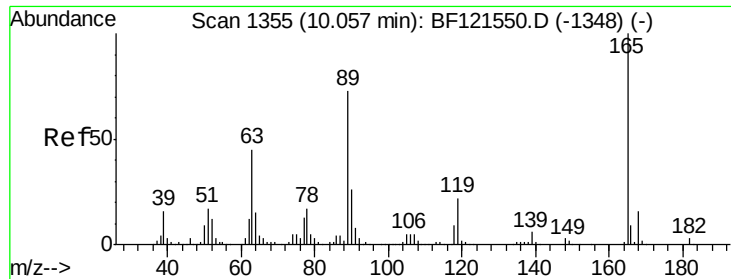
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



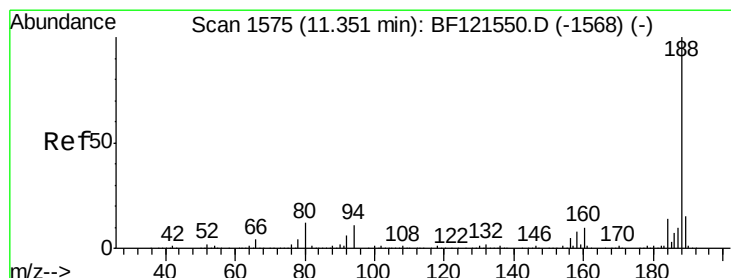
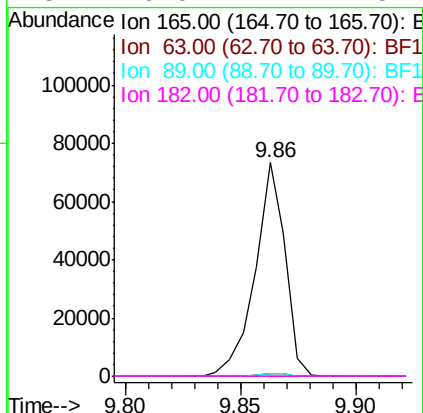
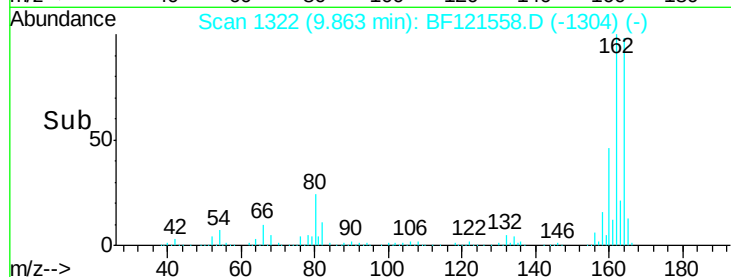
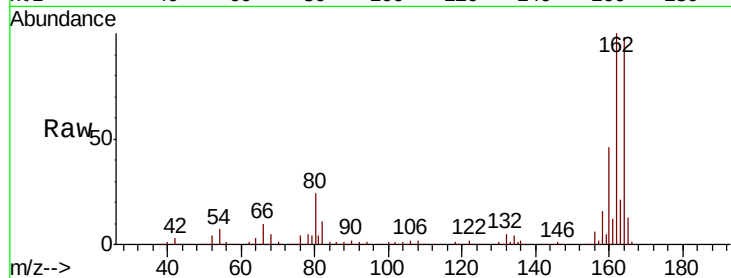




#57  
 2,4-Dinitrotoluene  
 Concen: 6.701 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.19 min  
 Lab File: BF121558.D  
 Acq: 14 Sep 2020 13:40

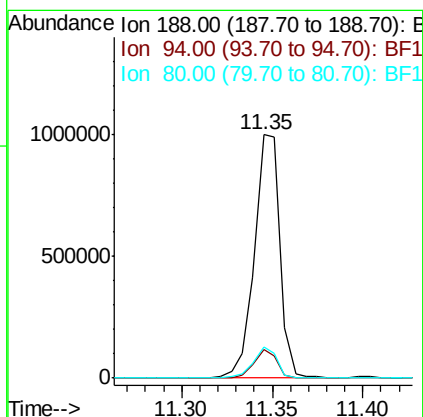
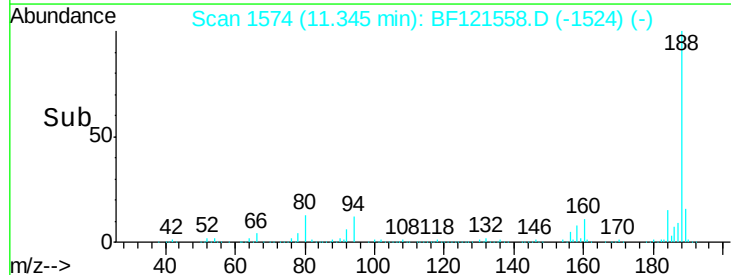
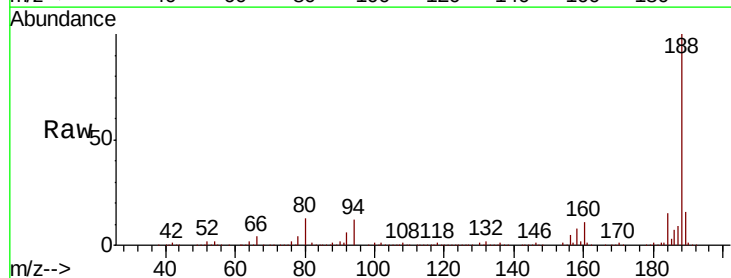
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131540BL

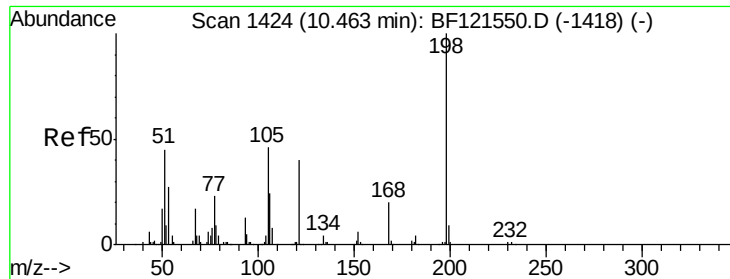
Tot Ion:165 Resp: 66870  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 36.2 54.4#  
 89 1.4 58.2 87.4#  
 182 0.0 2.2 3.2#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.35 min Scan# 1574  
 Delta R.T. -0.01 min  
 Lab File: BF121558.D  
 Acq: 14 Sep 2020 13:40

Tgt Ion:188 Resp: 983371  
 Ion Ratio Lower Upper  
 188 100  
 94 11.9 8.7 13.1  
 80 13.0 9.3 13.9

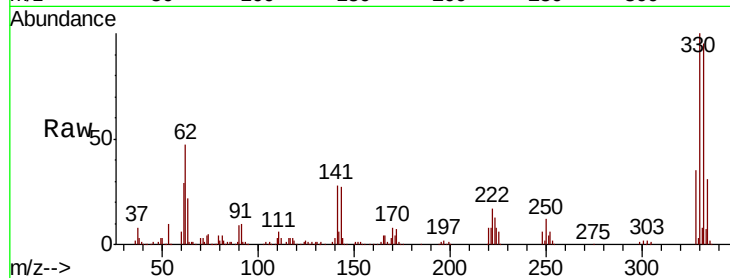




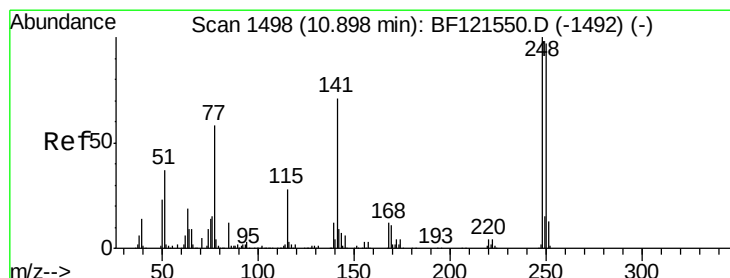
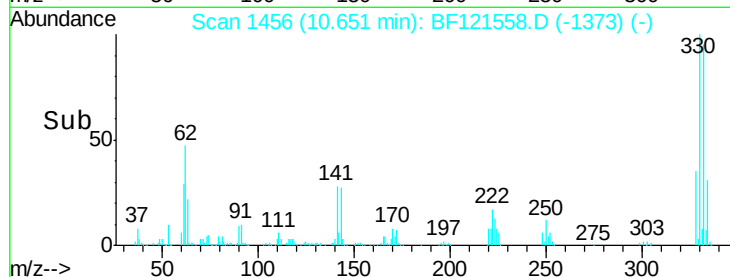
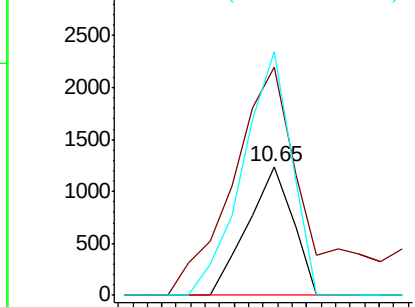
#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.005 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. 0.19 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB131540BL

Tot Ion:198 Resp: 1077  
Ion Ratio Lower Upper  
198 100  
51 177.3 31.1 71.1#  
105 188.7 26.6 66.6#

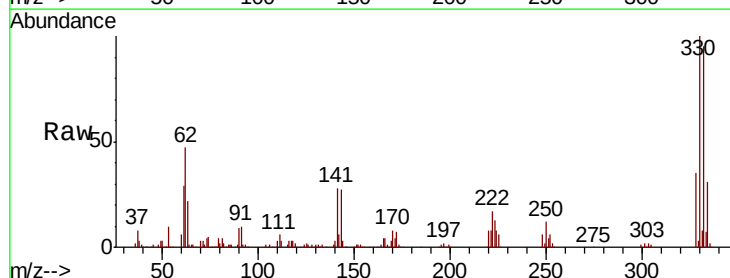


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

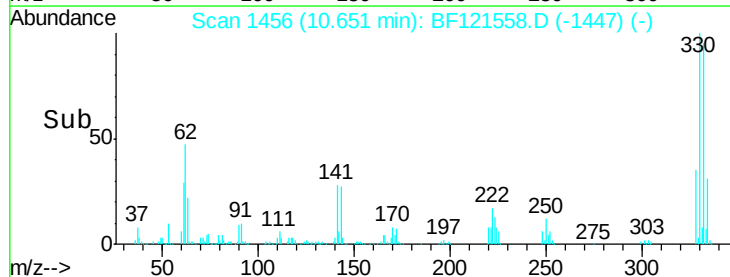
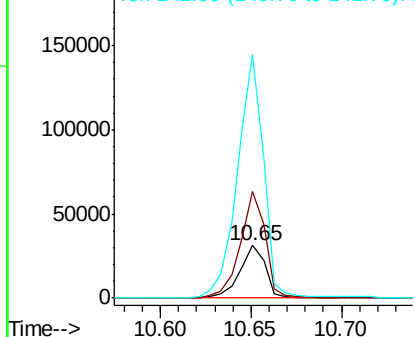


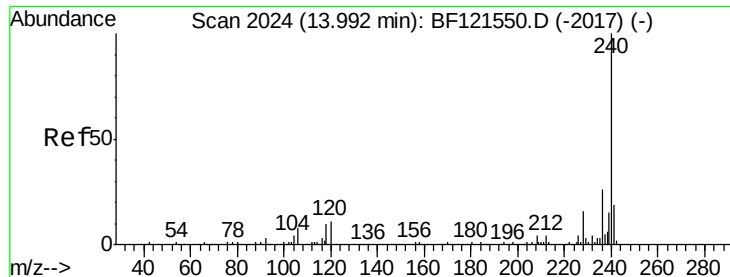
#67  
4-Bromophenyl-phenylether  
Concen: 2.722 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. -0.25 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

Tgt Ion:248 Resp: 30472  
Ion Ratio Lower Upper  
248 100  
250 202.1 77.4 116.0#  
141 463.1 56.7 85.1#



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

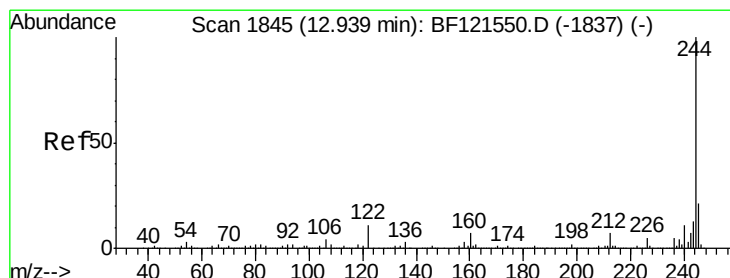
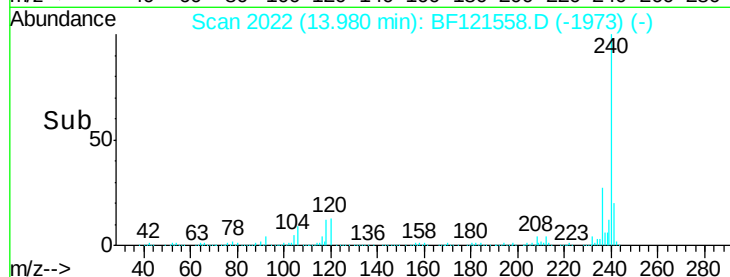
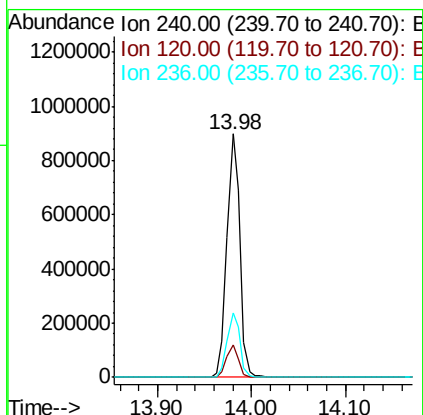
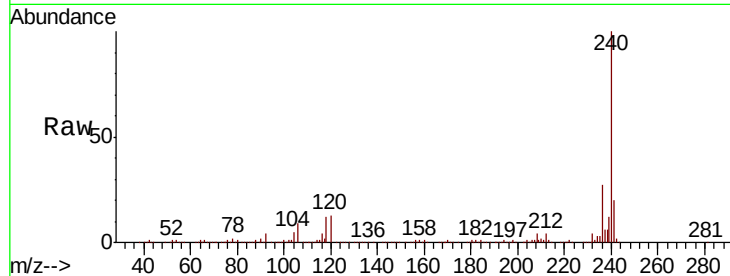




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

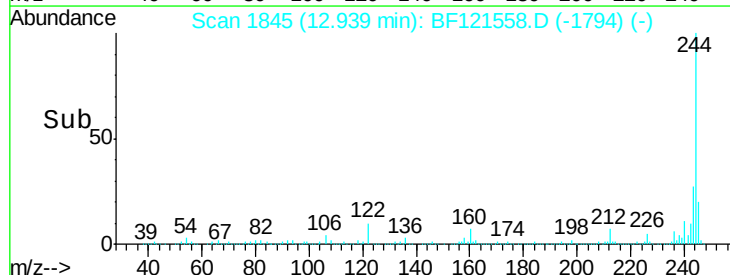
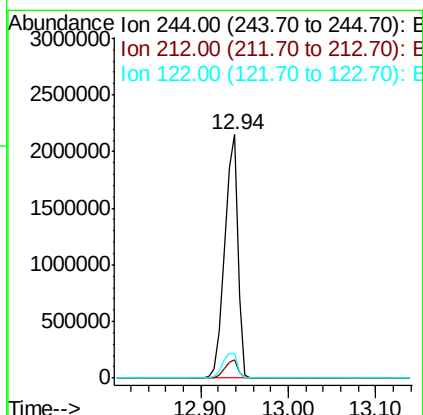
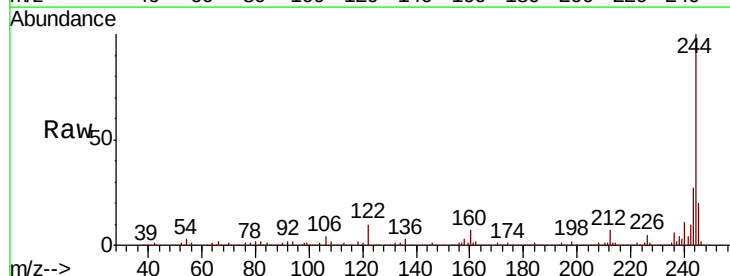
Instrument :  
BNA\_F  
ClientSampleId :  
PB131540BL

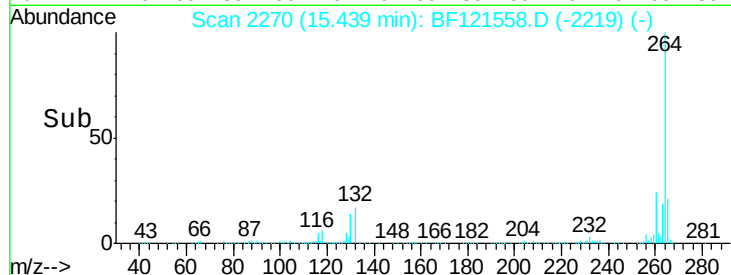
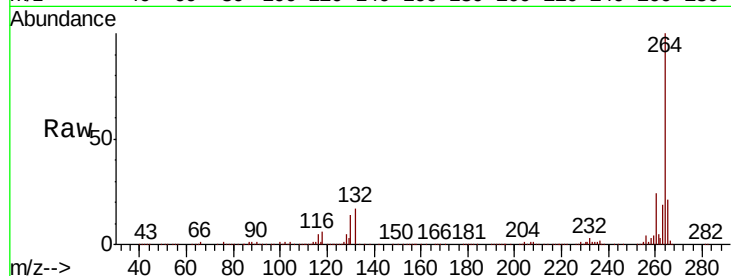
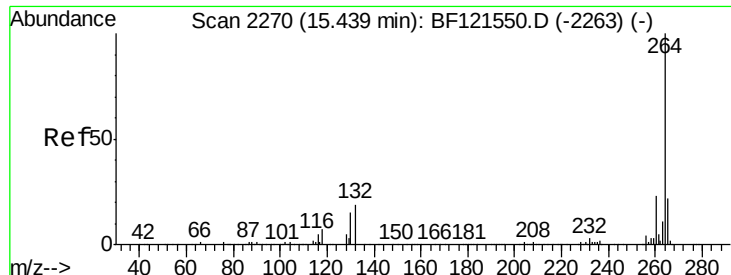
Tot Ion:240 Resp: 861452  
Ion Ratio Lower Upper  
240 100  
120 13.1 9.2 13.8  
236 26.6 20.5 30.7



#79  
Terphenyl-d14  
Concen: 53.302 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.00 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

Tgt Ion:244 Resp: 2266507  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.7 8.5  
122 10.3 8.7 13.1





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. -0.00 min  
Lab File: BF121558.D  
Acq: 14 Sep 2020 13:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB131540BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 780406 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.9  | 18.8  | 28.2   |
| 265      | 21.0  | 17.8  | 26.6   |

