

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\  
 Data File : BF121744.D  
 Acq On : 30 Sep 2020 18:02  
 Operator : JU/CG  
 Sample : PB132004BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB132004BL

Quant Time: Sep 30 18:36:31 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 11:12:14 2020  
 Response via : Initial Calibration

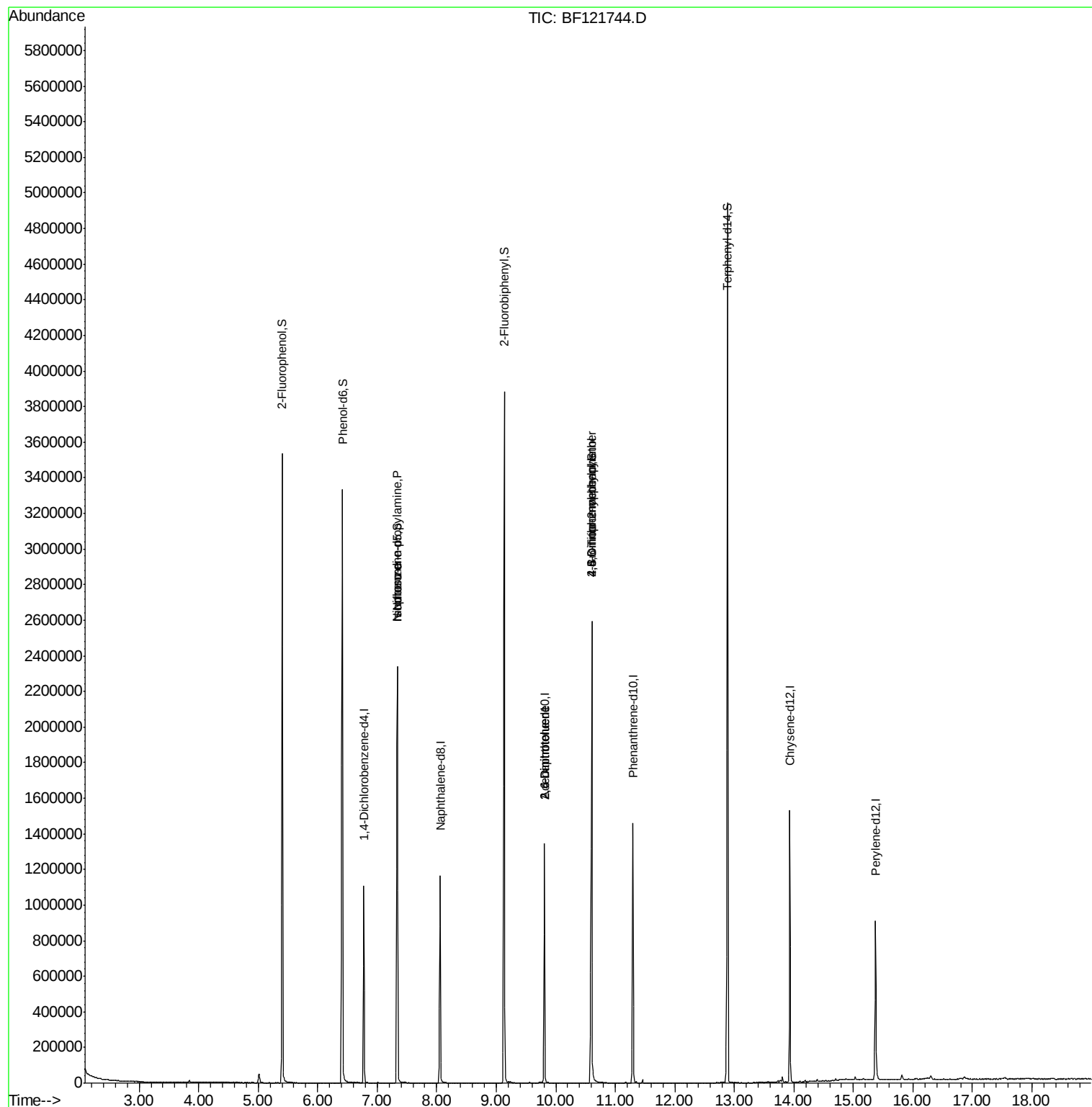
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 147550   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.06  | 136  | 579835   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.81  | 164  | 308190   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.30 | 188  | 602177   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.93 | 240  | 496406   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.37 | 264  | 393825   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 985109   | 99.22  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 1243356  | 95.45  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 864228   | 80.03  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.60 | 330  | 412421   | 107.67 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 1562880  | 76.80  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.89 | 244  | 1791043  | 73.09  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 115453   | 15.379 | ng    | # 79     |
| 25) Isophorone                 | 7.34  | 82   | 852400   | 39.210 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene         | 9.81  | 165  | 39550    | 8.314  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 9.81  | 165  | 39550    | 6.609  | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 652      | 7.003  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.60 | 248  | 23881    | 3.483  | ng    | # 1      |

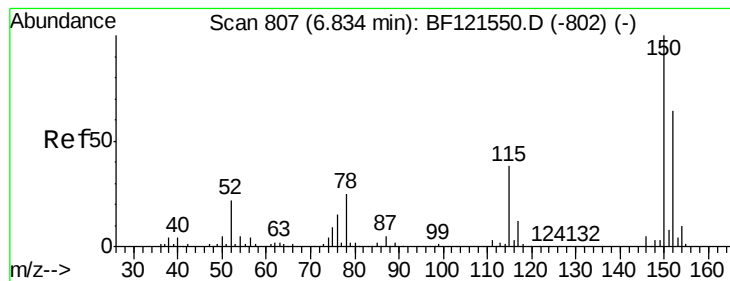
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF121744.D

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ClientSampleId :

PB132004BL

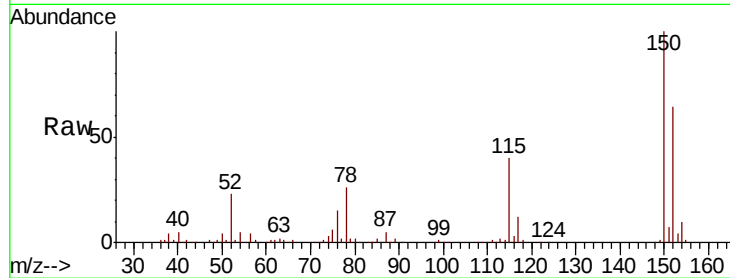
Tot Ion:152 Resp: 147550

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.8

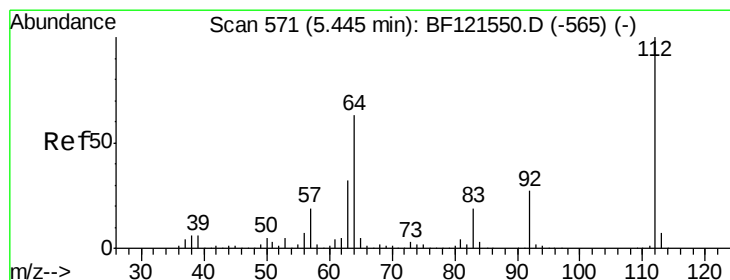
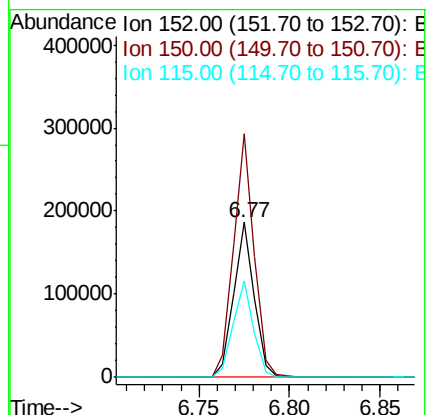
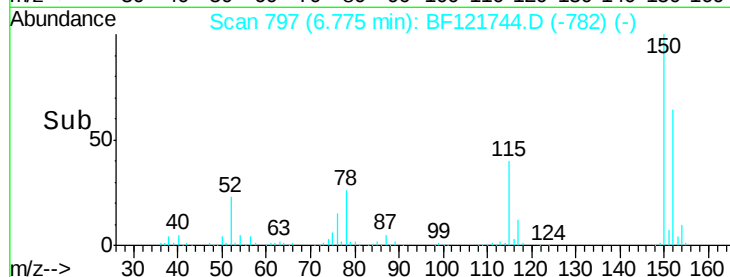
115 62.4 49.6 74.4



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: 99.220 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

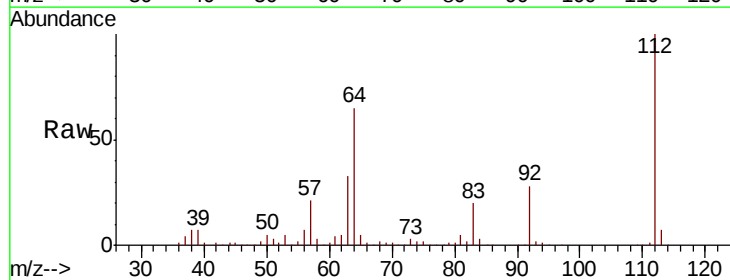
Tgt Ion:112 Resp: 985109

Ion Ratio Lower Upper

112 100

64 65.3 51.2 76.8

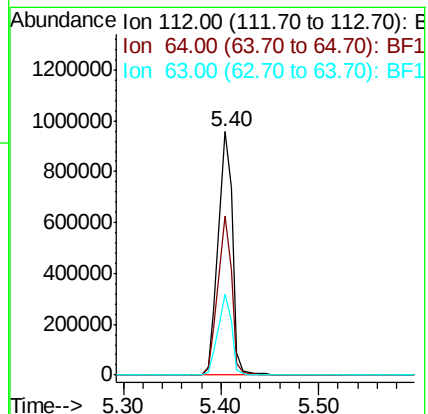
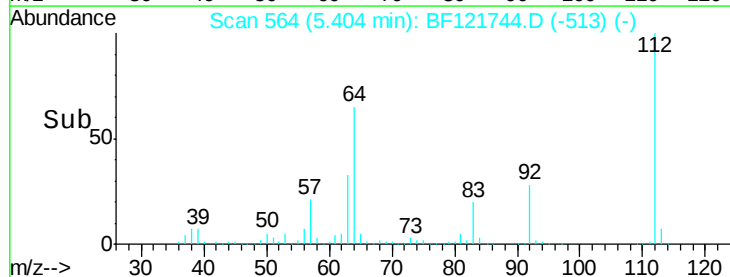
63 33.1 25.9 38.9

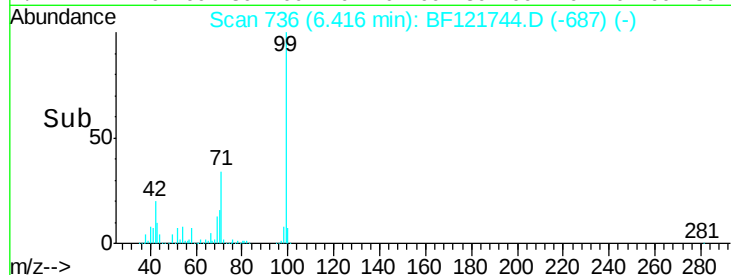
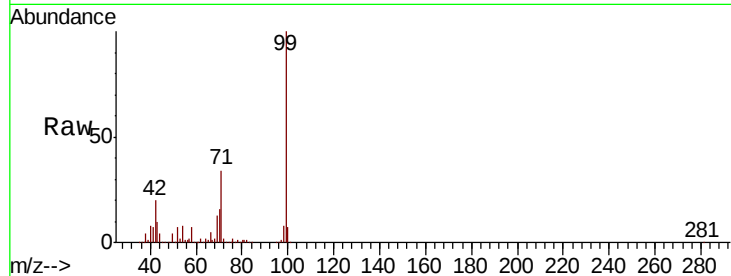


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.455 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

Instrument :

BNA\_F

ClientSampleId :

PB132004BL

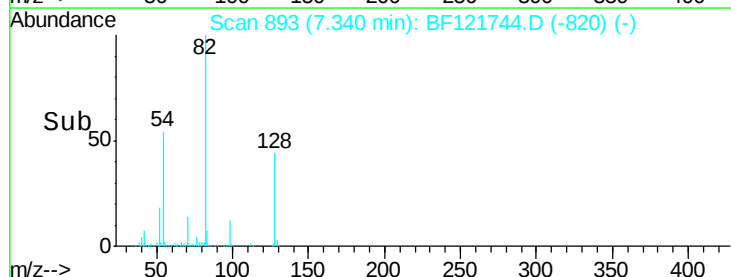
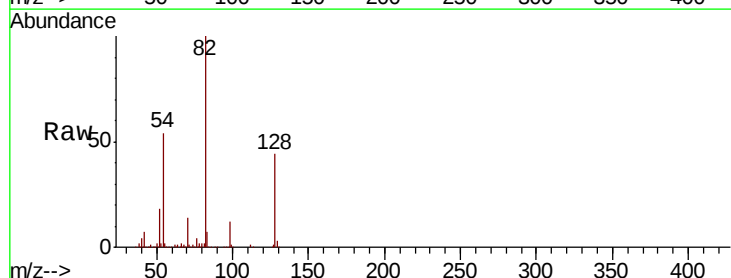
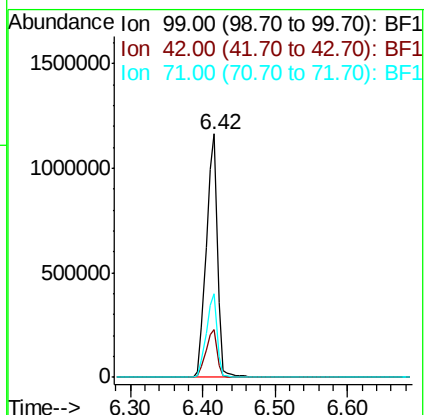
Tot Ion: 99 Resp: 1243356

Ion Ratio Lower Upper

99 100

42 19.9 16.5 24.7

71 34.2 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.379 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.13 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

Tgt Ion: 70 Resp: 115453

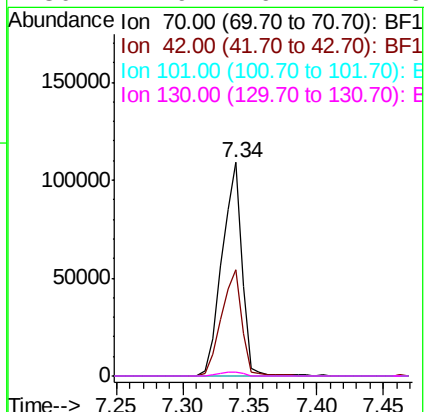
Ion Ratio Lower Upper

70 100

42 50.0 48.6 73.0

101 0.0 7.5 11.3#

130 1.9 16.4 24.6#

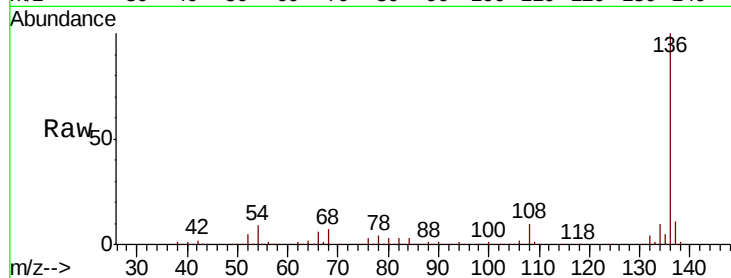




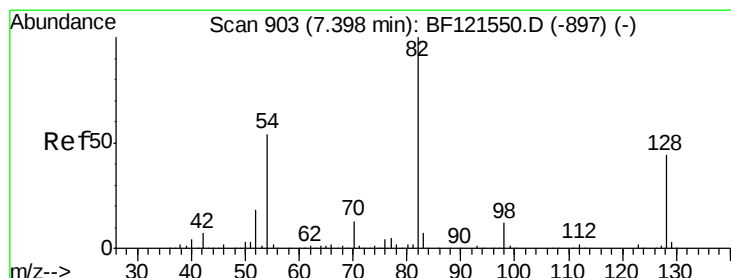
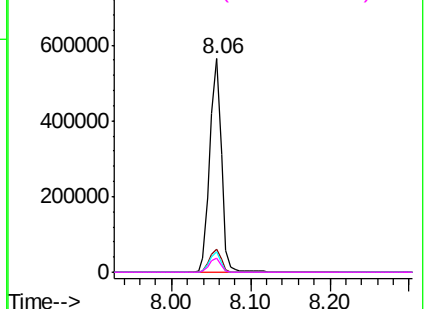
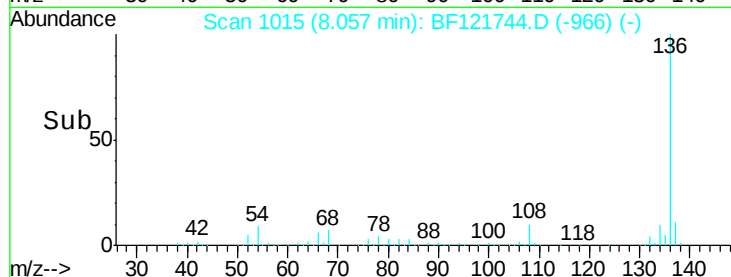
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.06 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BF121744.D  
Acq: 30 Sep 2020 18:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB132004BL

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 579835      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 9.1 13.7    |
| 54          | 9.3   | 7.8 11.8    |
| 68          | 6.7   | 5.6 8.4     |

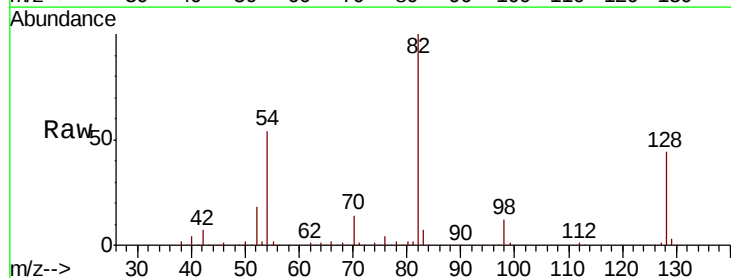


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

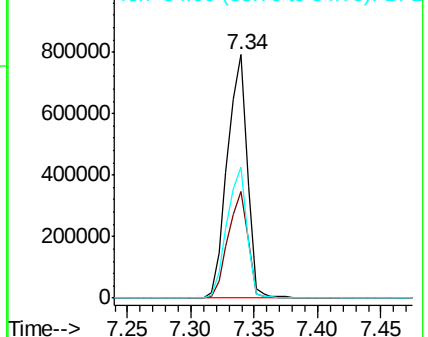
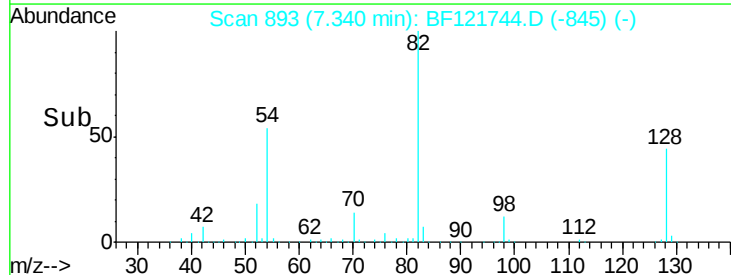


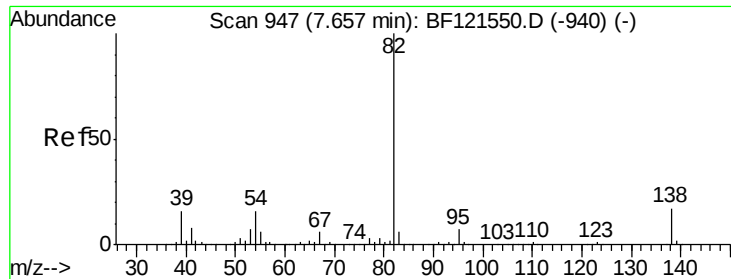
#23  
Nitrobenzene-d5  
Concen: 80.026 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.02 min  
Lab File: BF121744.D  
Acq: 30 Sep 2020 18:02

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 864228      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 43.6  | 35.0 52.4   |
| 54          | 53.9  | 42.5 63.7   |



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: 39.210 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.28 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

Instrument :

BNA\_F

ClientSampleId :

PB132004BL

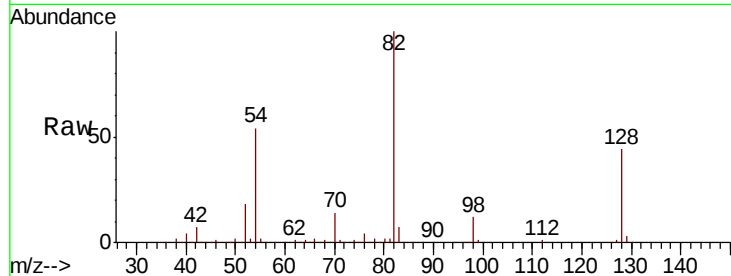
Tot Ion: 82 Resp: 852400

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

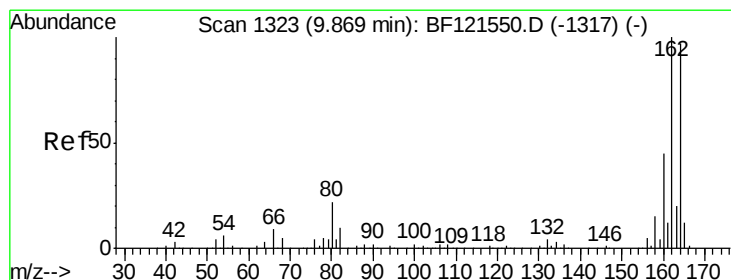
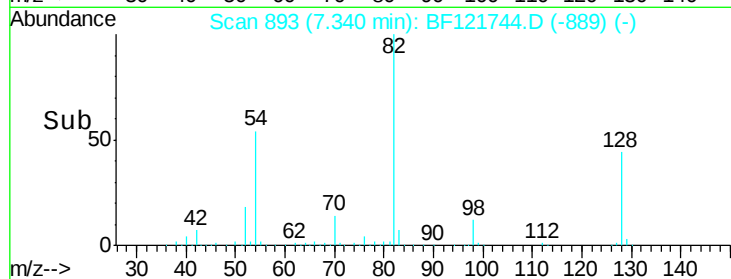
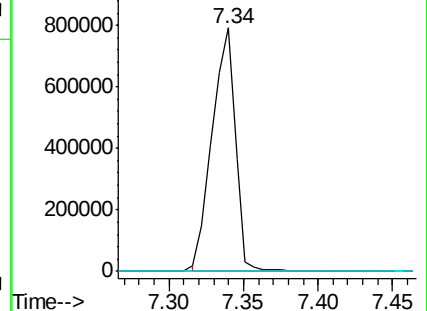
138 0.0 13.9 20.9#



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: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

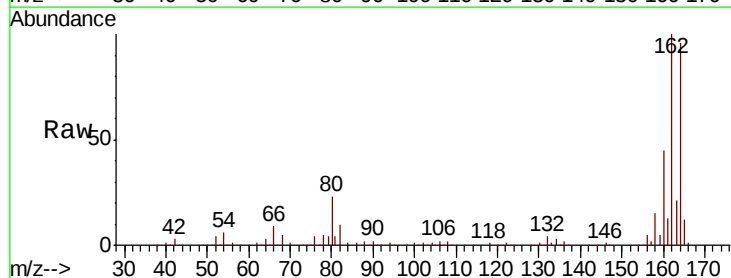
Tgt Ion: 164 Resp: 308190

Ion Ratio Lower Upper

164 100

162 104.0 80.6 121.0

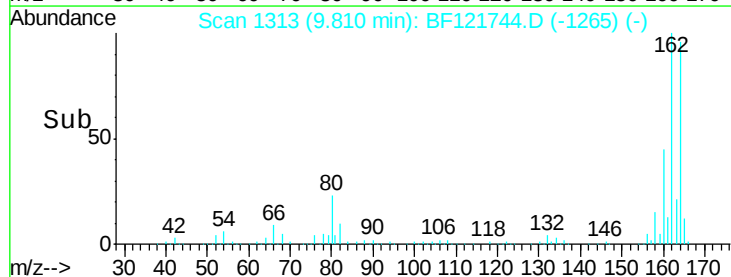
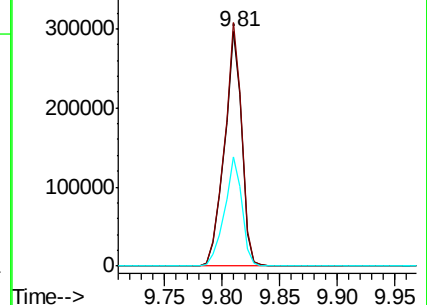
160 46.9 36.9 55.3

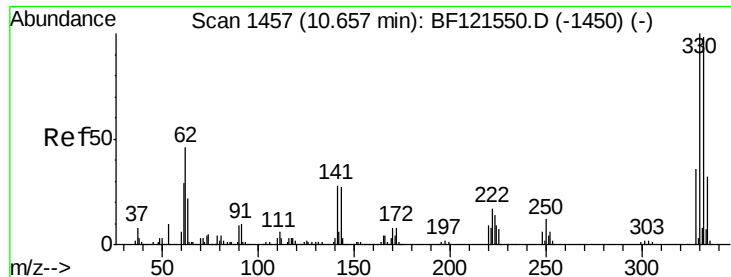


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

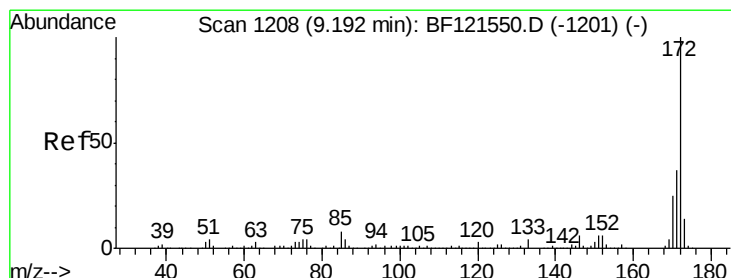
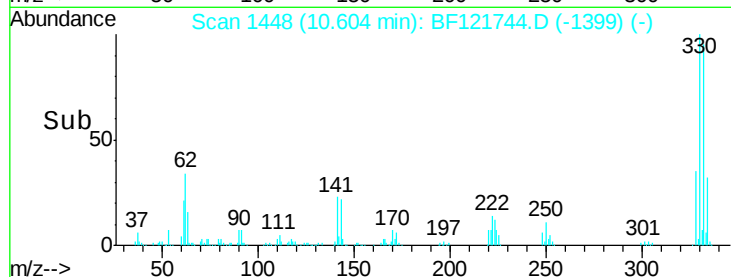
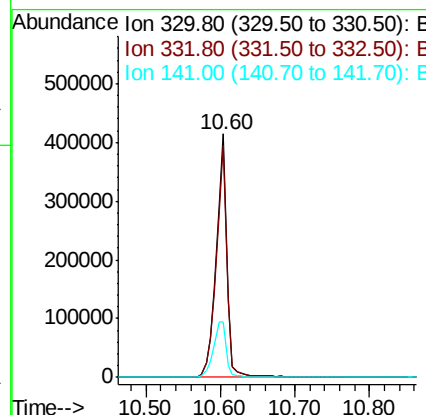
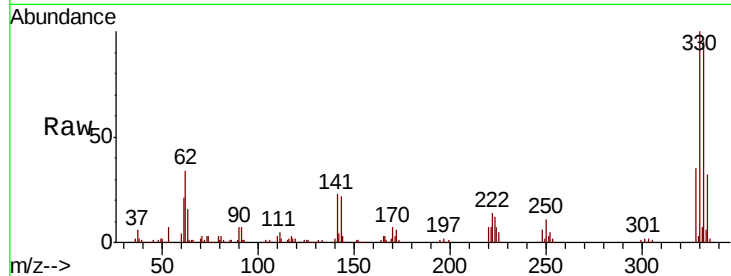




#42  
 2,4,6-Tribromophenol  
 Concen: 107.671 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.01 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

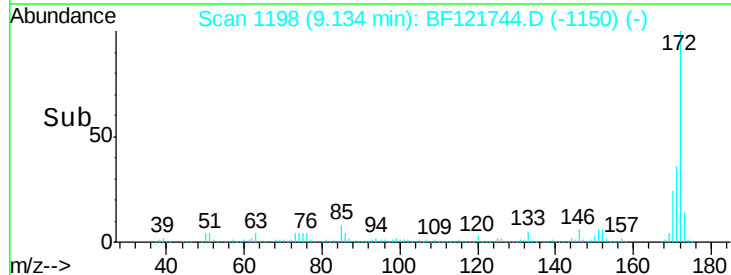
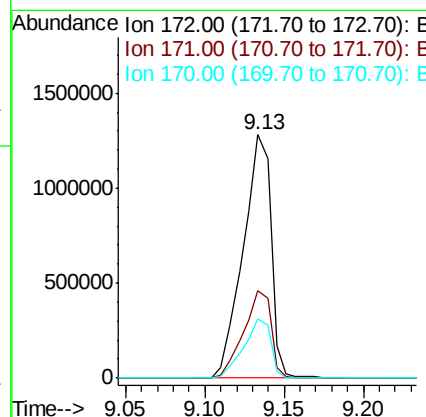
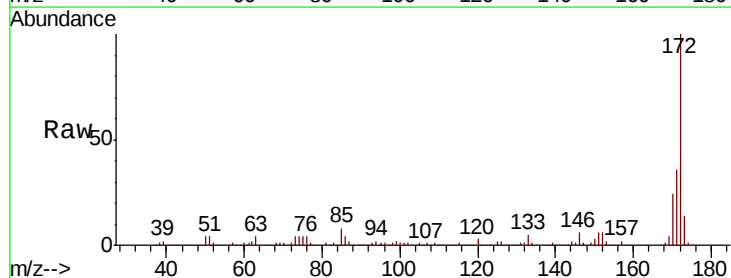
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB132004BL

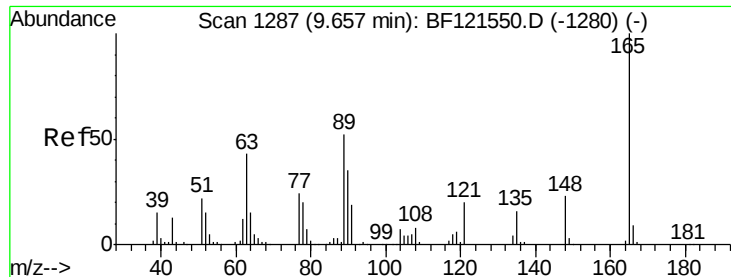
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.6  | 116.4 |
| 141     | 27.5  | 22.9  | 34.3  |



#45  
 2-Fluorobiphenyl  
 Concen: 76.804 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.02 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.2  | 43.8  |
| 170     | 24.4  | 19.7  | 29.5  |

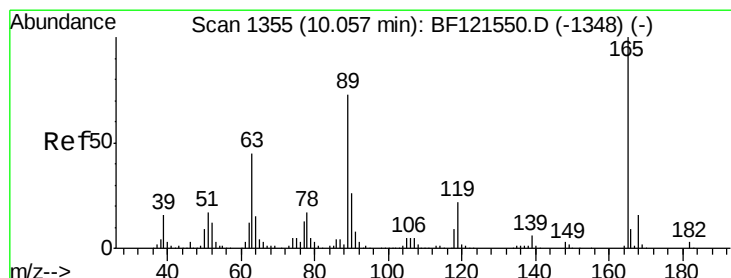
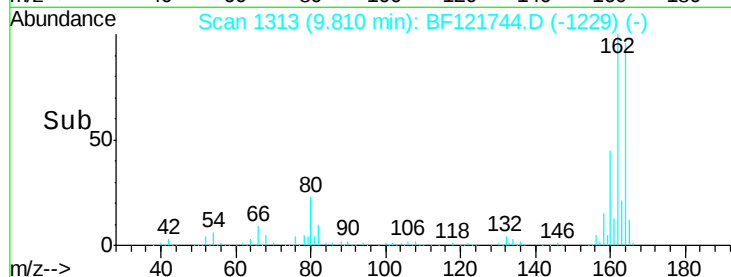
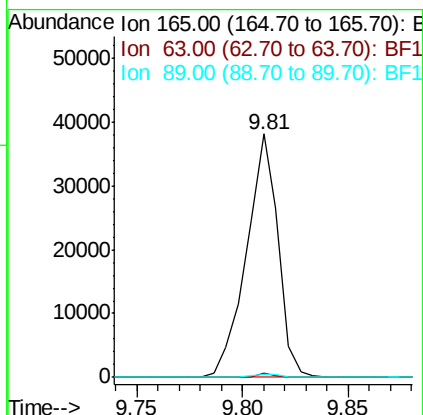
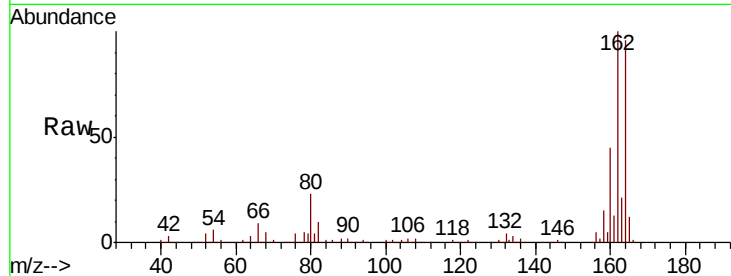




#51  
 2,6-Dinitrotoluene  
 Concen: 8.314 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. 0.19 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

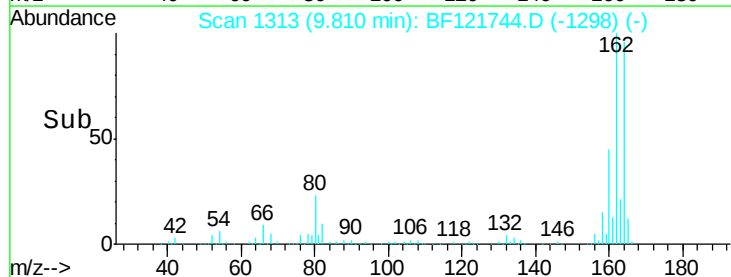
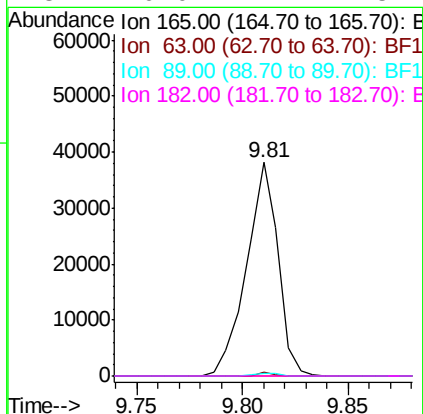
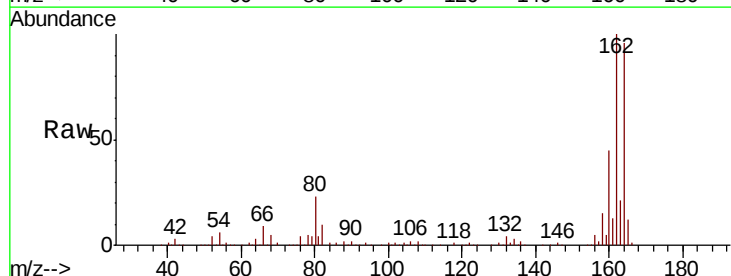
Instrument :  
 BNA\_F  
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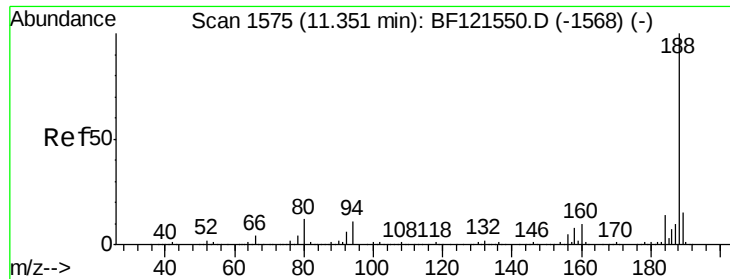
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 43.8  | 65.6# |
| 89      | 1.4   | 43.0  | 64.4# |



#57  
 2,4-Dinitrotoluene  
 Concen: 6.609 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. -0.21 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 39.0  | 58.6# |
| 89      | 1.4   | 57.5  | 86.3# |
| 182     | 0.0   | 2.2   | 3.4#  |

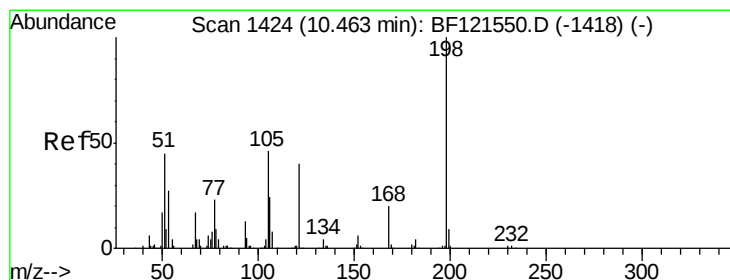
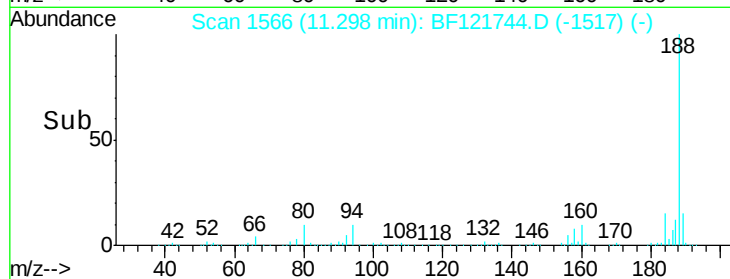
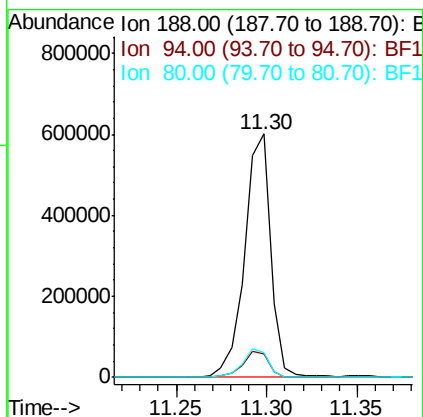
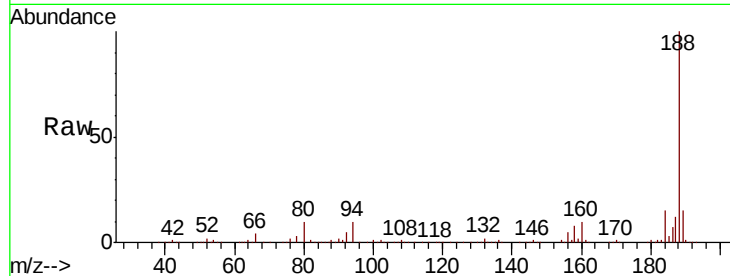




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

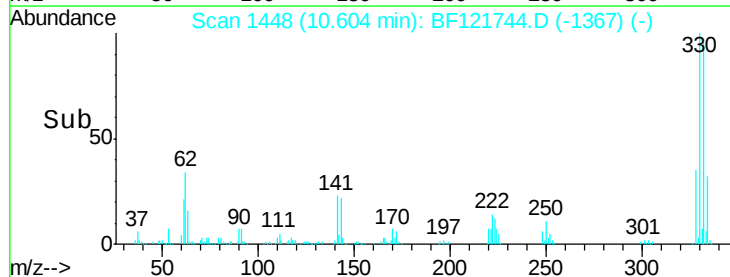
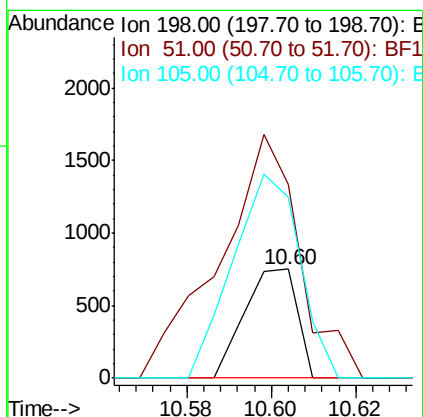
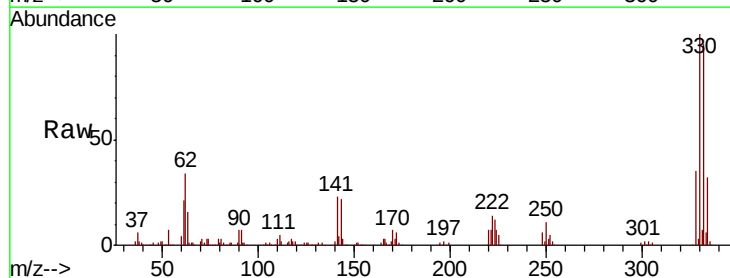
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB132004BL

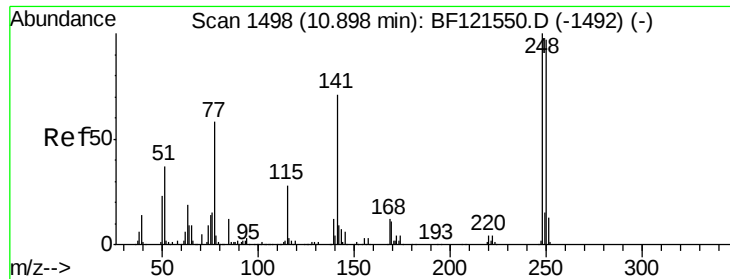
Tot Ion:188 Resp: 602177  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.2 12.2  
 80 10.2 8.9 13.3



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.003 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. 0.18 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

Tgt Ion:198 Resp: 652  
 Ion Ratio Lower Upper  
 198 100  
 51 178.1 34.7 74.7#  
 105 166.8 27.8 67.8#

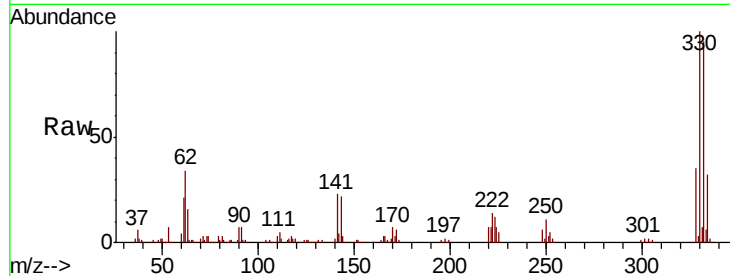




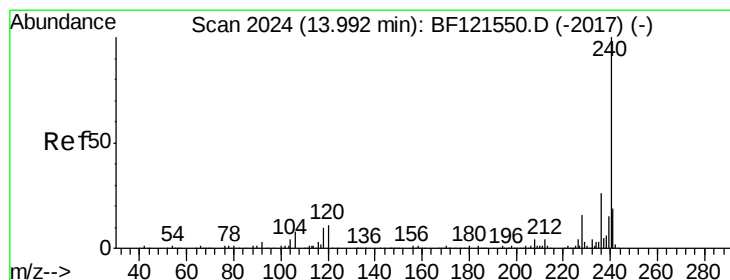
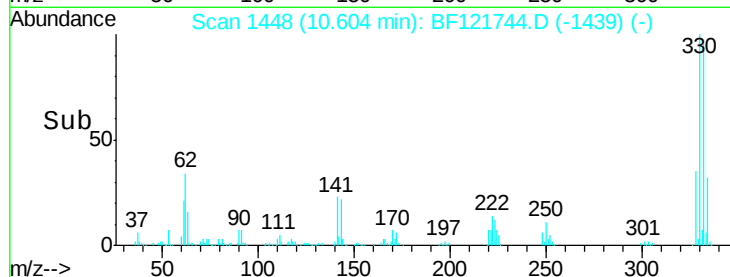
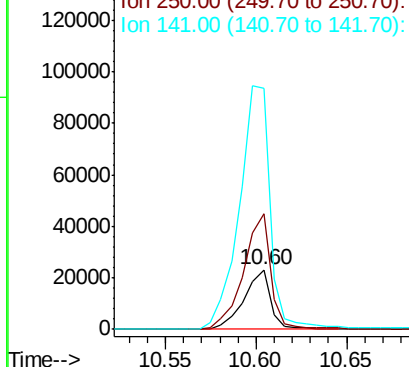
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.483 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.25 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB132004BL

Tot Ion:248 Resp: 23881  
 Ion Ratio Lower Upper  
 248 100  
 250 195.3 78.6 118.0#  
 141 407.4 60.0 90.0#

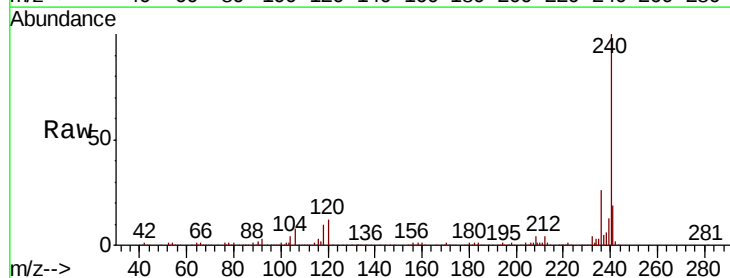


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

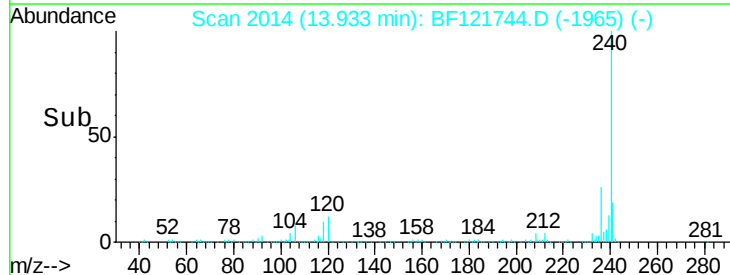
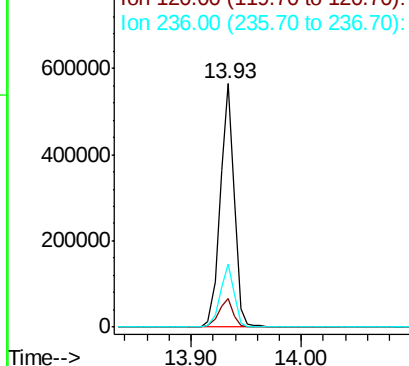


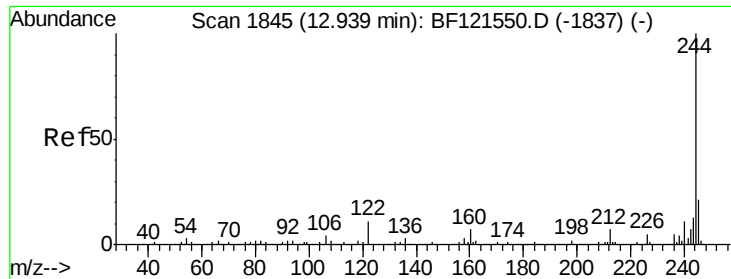
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF121744.D  
 Acq: 30 Sep 2020 18:02

Tgt Ion:240 Resp: 496406  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 10.2 15.4  
 236 25.8 20.4 30.6



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





#79

Terphenyl-d14

Concen: 73.095 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

Instrument :

BNA\_F

ClientSampleId :

PB132004BL

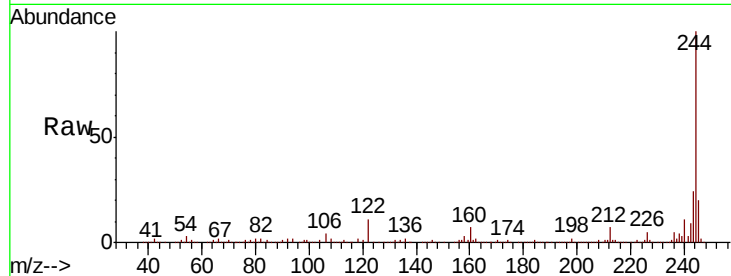
Tot Ion:244 Resp: 1791043

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

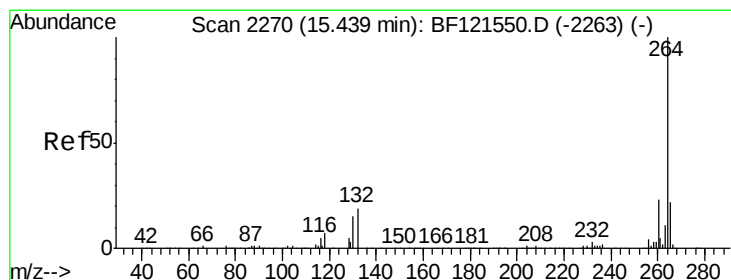
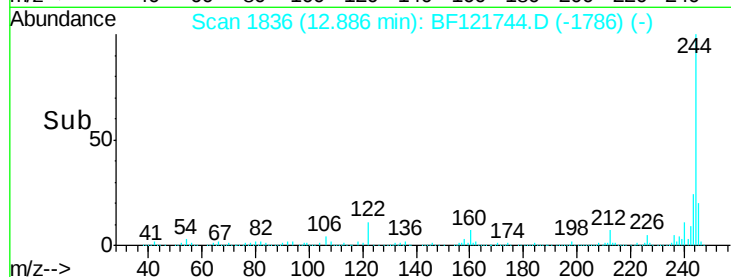
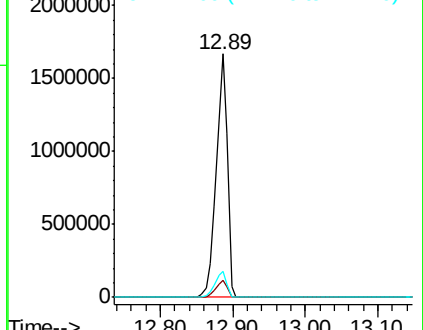
122 10.5 9.0 13.4



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: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF121744.D

Acq: 30 Sep 2020 18:02

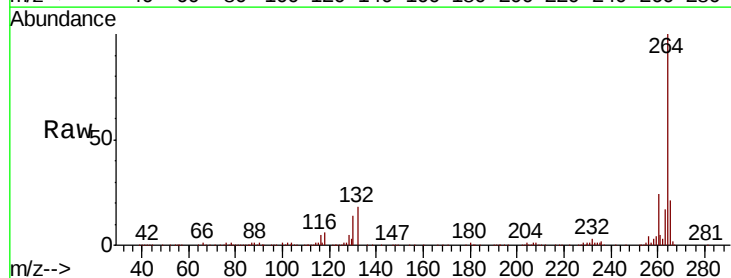
Tgt Ion:264 Resp: 393825

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 20.8 17.3 25.9



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

