

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\  
 Data File : BF121584.D  
 Acq On : 15 Sep 2020 18:32  
 Operator : JU/CG  
 Sample : L3867-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-091420

Quant Time: Sep 16 01:03:51 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

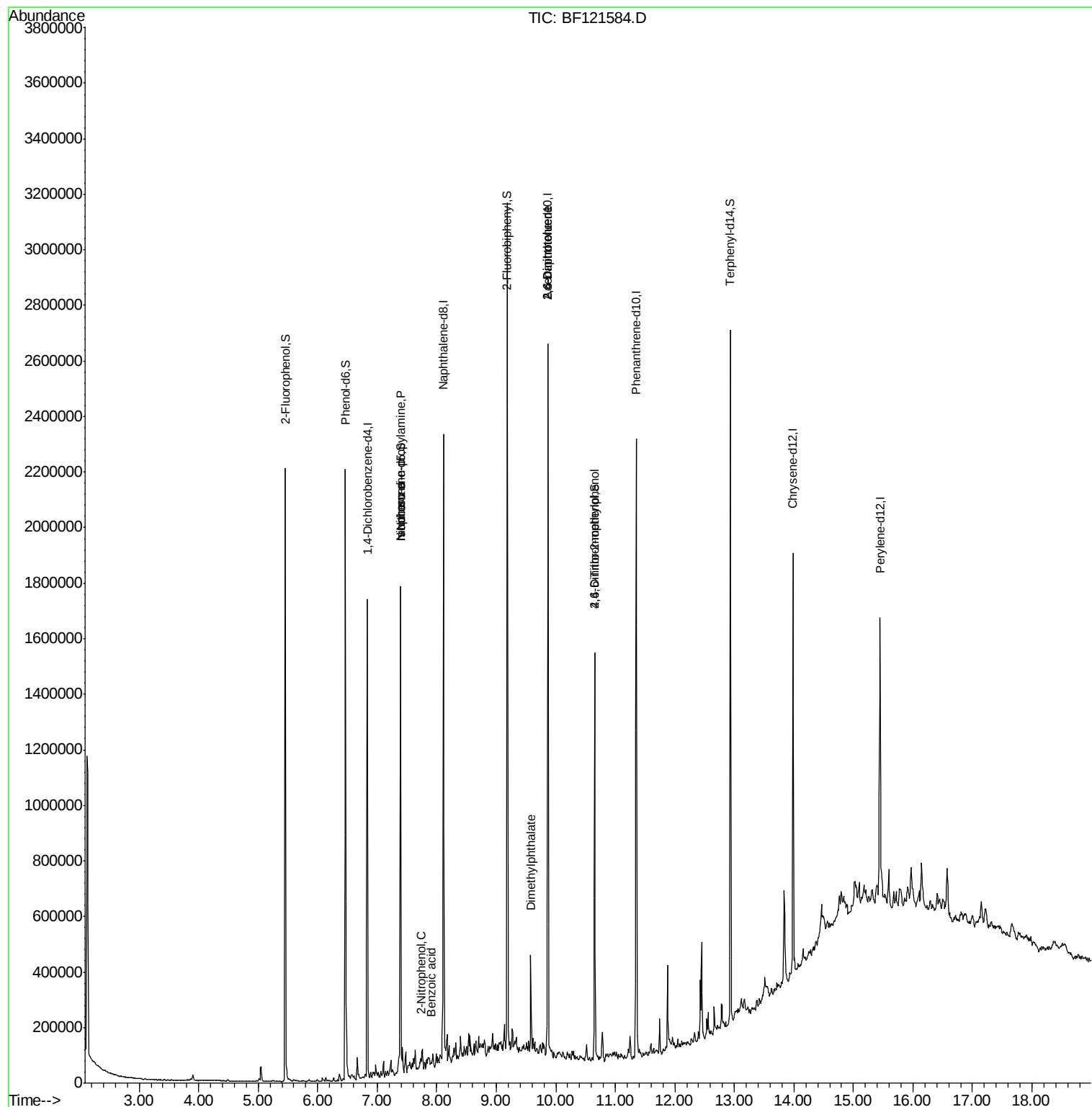
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 251493   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 959473   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 477163   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.35 | 188  | 790413   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.99 | 240  | 490558   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.44 | 264  | 481736   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 625378   | 36.95  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.47  | 99   | 789753   | 35.57  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 519662   | 29.08  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 191396   | 32.27  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 918000   | 29.14  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.93 | 244  | 725953   | 29.98  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 72708    | 5.682  | ng    | # 78     |
| 25) Isophorone                 | 7.39  | 82   | 510684   | 14.196 | ng    | # 66     |
| 26) 2-Nitrophenol              | 7.73  | 139  | 248      | 2.585  | ng    | # 1      |
| 32) Benzoic acid               | 7.90  | 122  | 245      | 6.953  | ng    | # 7      |
| 50) Dimethylphthalate          | 9.58  | 163  | 114484   | 3.310  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 62510    | 8.487  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 62806    | 6.778  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 349      | 6.914  | ng    | # 1      |

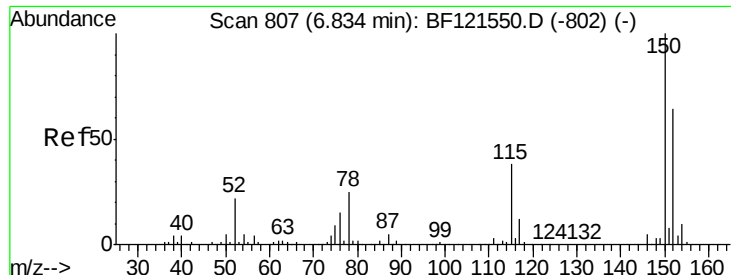
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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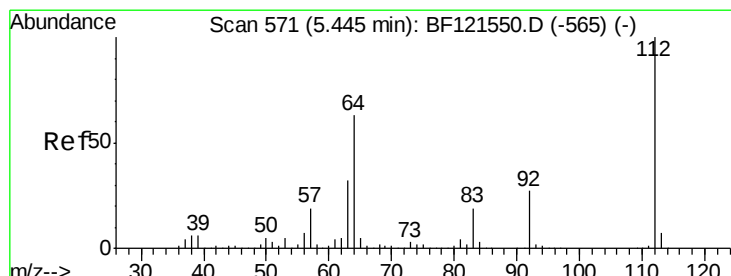
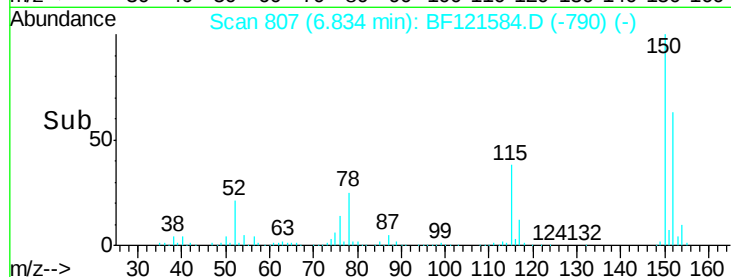
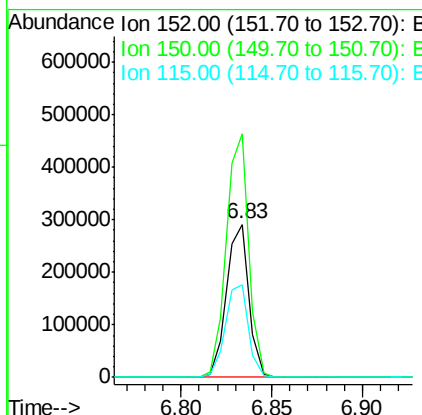
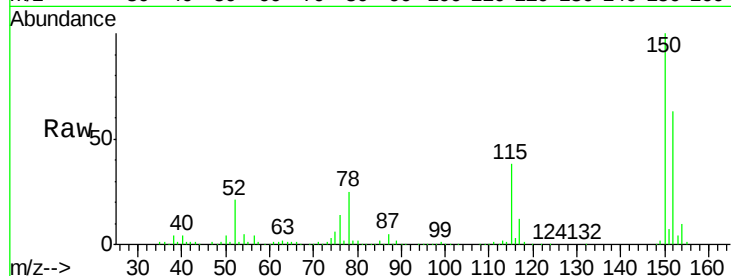


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-091420

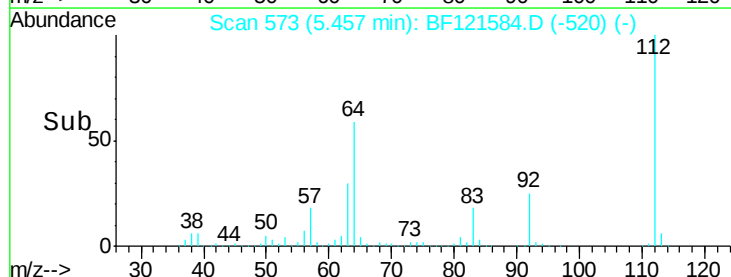
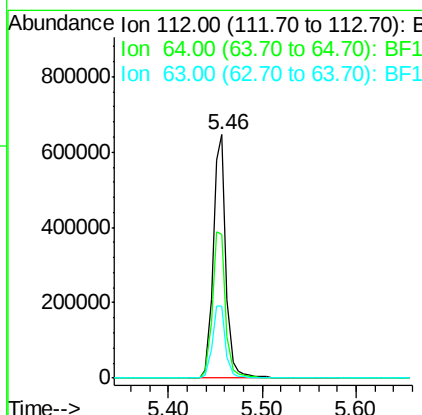
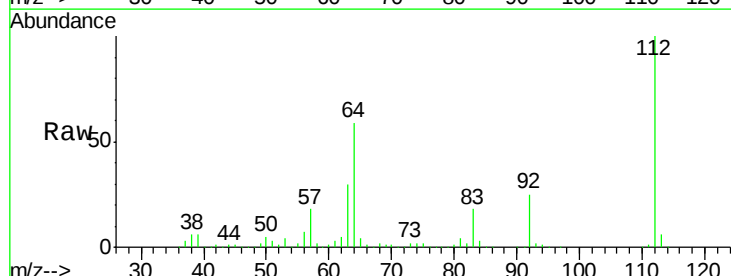
Tot Ion:152 Resp: 251493  
Ion Ratio Lower Upper  
152 100  
150 159.1 125.8 188.6  
115 60.7 47.8 71.8

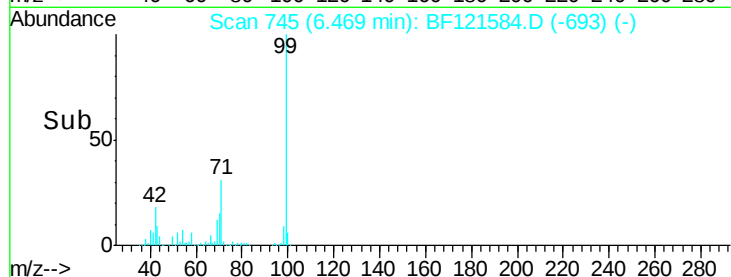
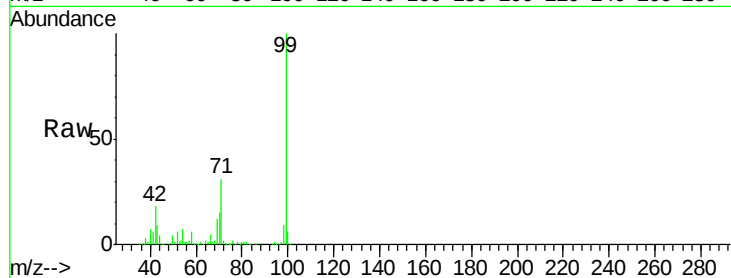


#5

2-Fluorophenol  
Concen: 36.955 ng  
RT: 5.46 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Tgt Ion:112 Resp: 625378  
Ion Ratio Lower Upper  
112 100  
64 59.2 50.3 75.5  
63 29.5 25.6 38.4





#7

Phenol-d6

Concen: 35.572 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

Instrument :

BNA\_F

ClientSampleId :

EO-02-091420

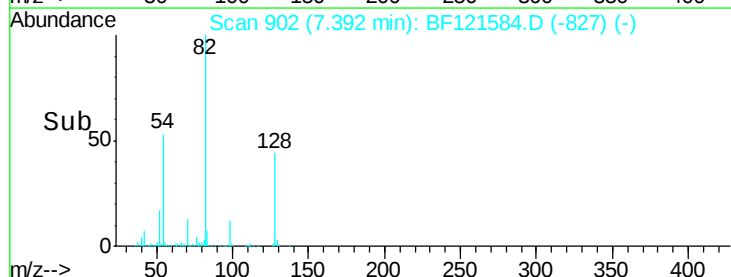
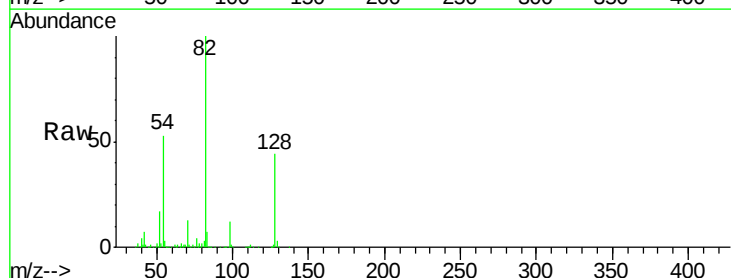
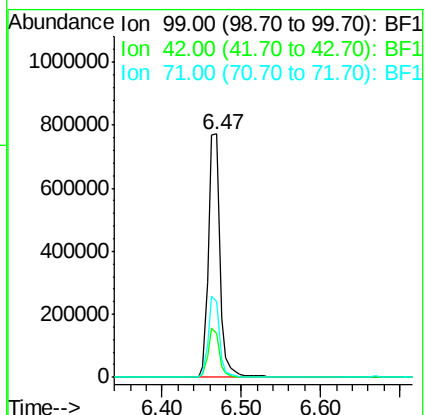
Tot Ion: 99 Resp: 789753

Ion Ratio Lower Upper

99 100

42 18.1 15.5 23.3

71 31.1 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 5.682 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

Tgt Ion: 70 Resp: 72708

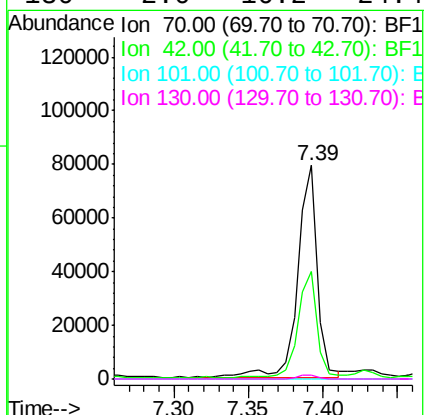
Ion Ratio Lower Upper

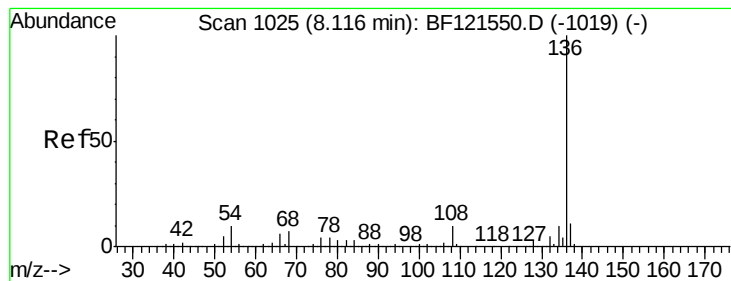
70 100

42 50.1 49.4 74.2

101 0.0 7.6 11.4#

130 2.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

Instrument :

BNA\_F

ClientSampleId :

EO-02-091420

Tot Ion:136 Resp: 959473

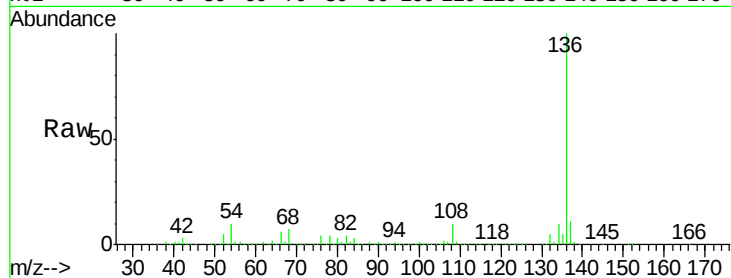
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 9.6 7.6 11.4

68 7.0 5.7 8.5

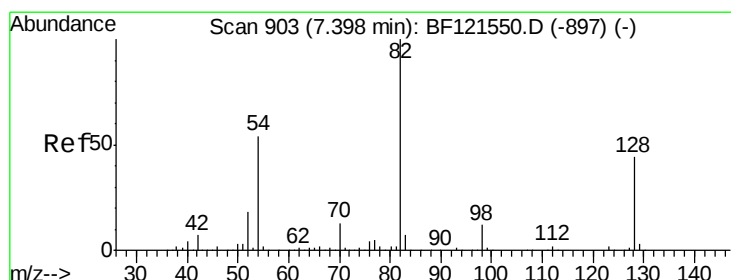
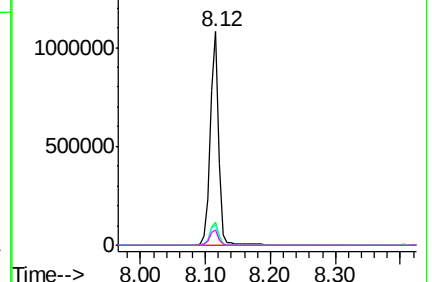
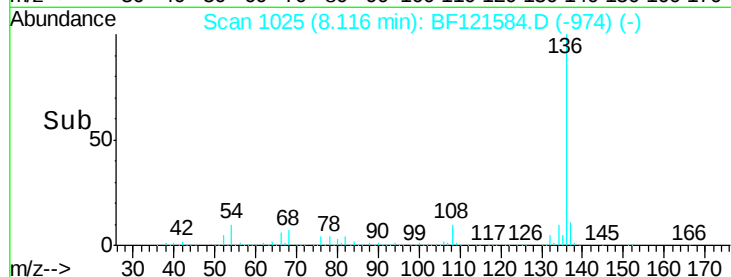


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.080 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

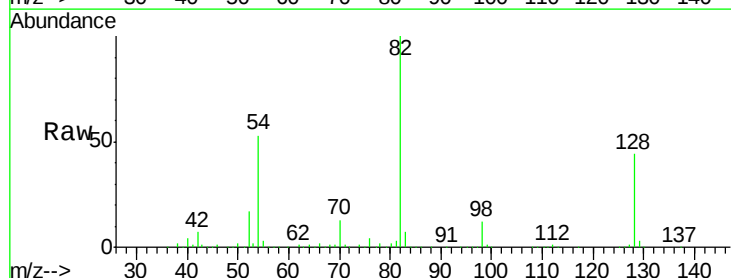
Tgt Ion: 82 Resp: 519662

Ion Ratio Lower Upper

82 100

128 44.4 35.1 52.7

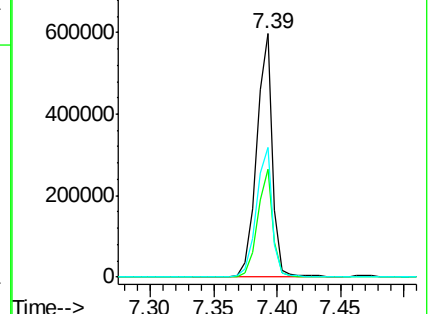
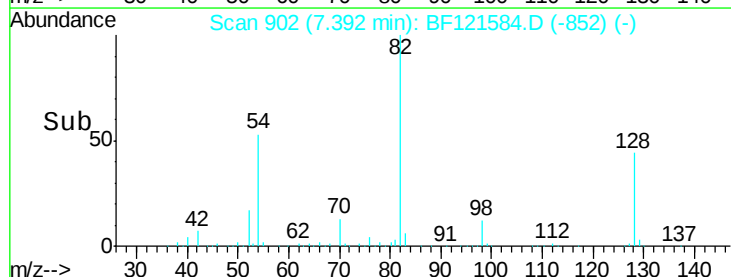
54 53.2 43.0 64.6

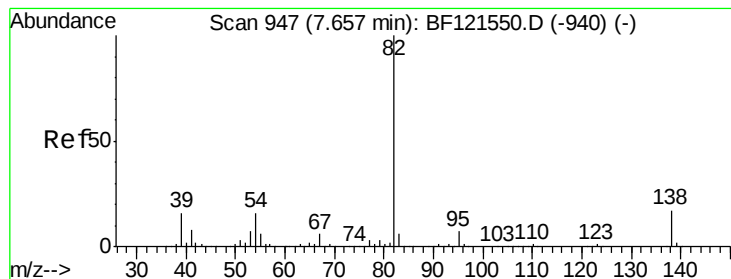


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.196 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

Instrument :

BNA\_F

ClientSampleId :

EO-02-091420

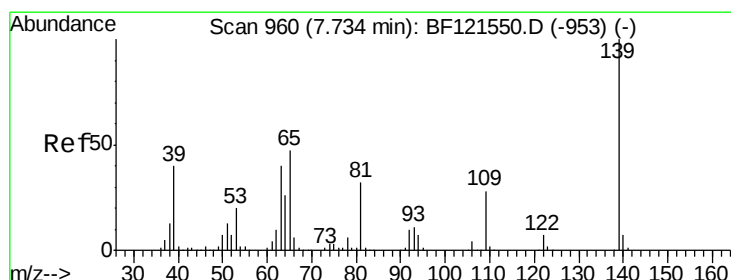
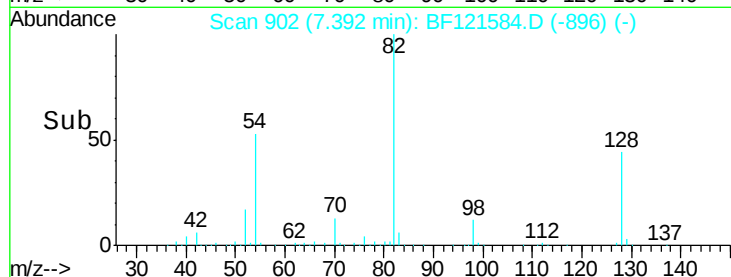
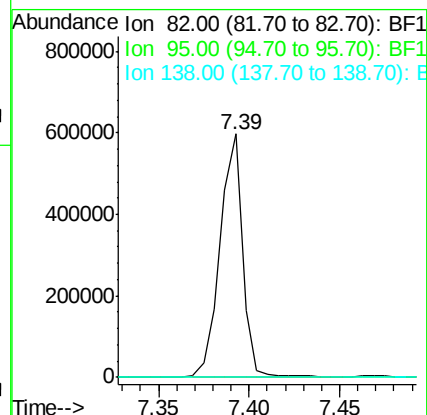
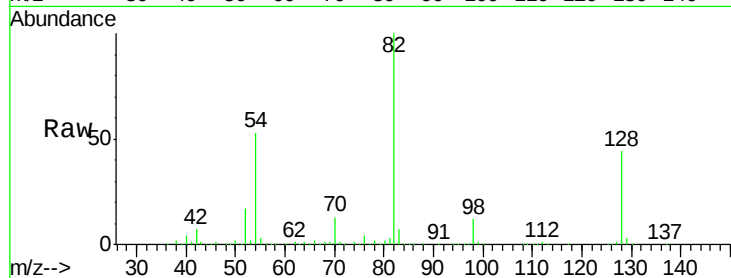
Tot Ion: 82 Resp: 510684

Ion Ratio Lower Upper

82 100

95 0.3 5.3 7.9#

138 0.0 13.7 20.5#



#26

2-Nitrophenol

Concen: 2.585 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF121584.D

Acq: 15 Sep 2020 18:32

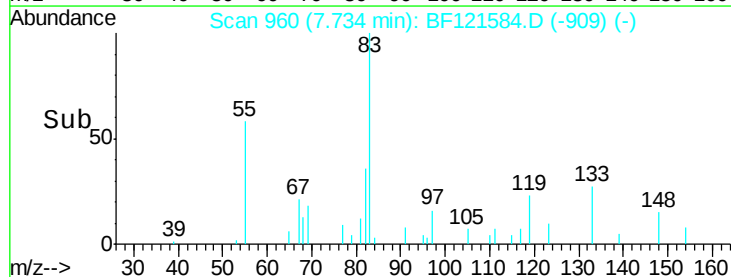
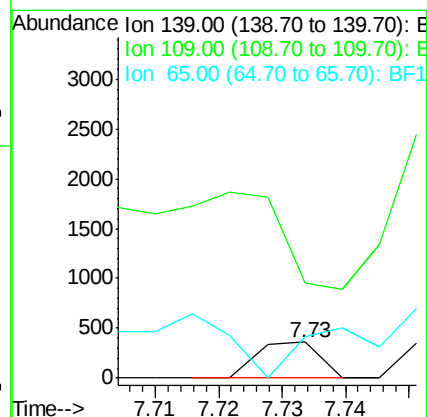
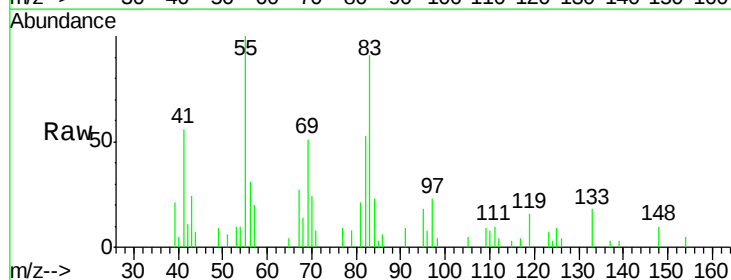
Tgt Ion: 139 Resp: 248

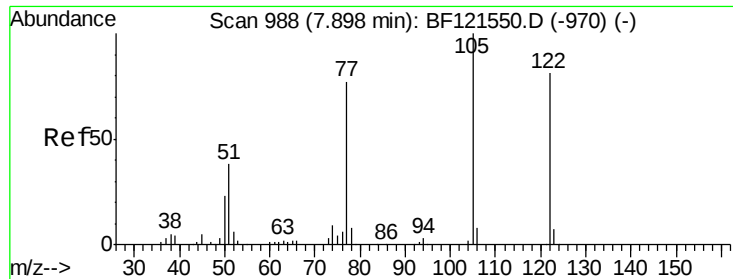
Ion Ratio Lower Upper

139 100

109 266.7 22.4 33.6#

65 115.8 37.6 56.4#

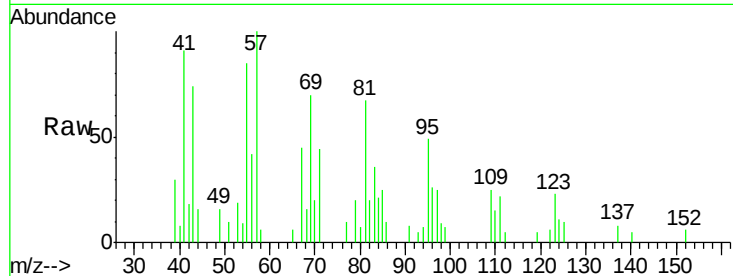




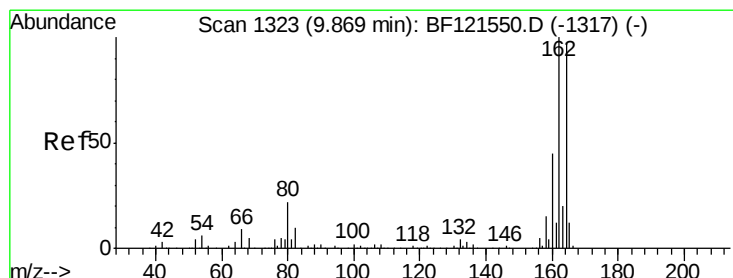
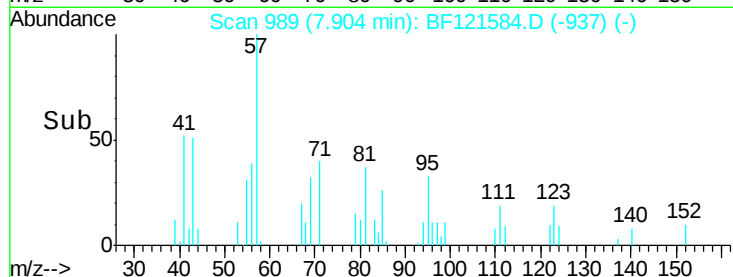
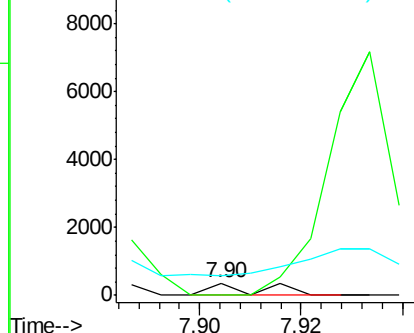
#32  
Benzoic acid  
Concen: 6.953 ng  
RT: 7.90 min Scan# 989  
Delta R.T. 0.01 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-091420

Tot Ion:122 Resp: 245  
Ion Ratio Lower Upper  
122 100  
105 0.0 100.5 140.5#  
77 163.2 72.6 112.6#

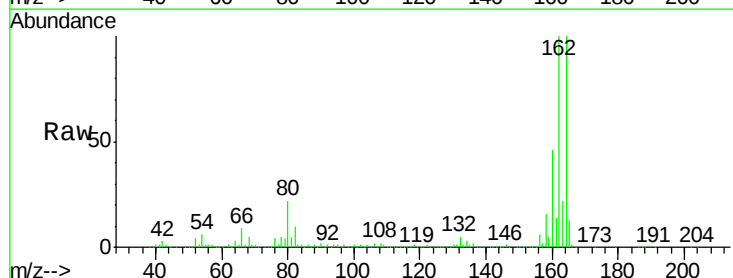


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

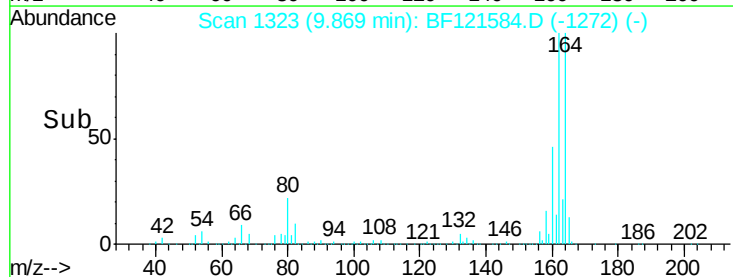
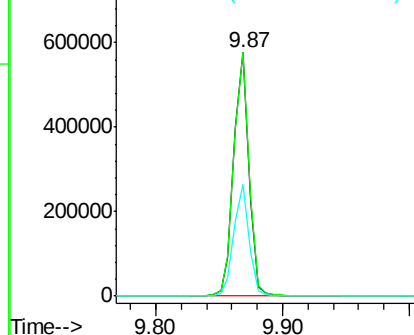


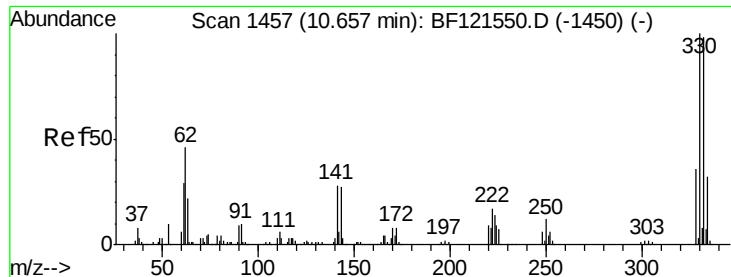
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Tgt Ion:164 Resp: 477163  
Ion Ratio Lower Upper  
164 100  
162 99.8 82.3 123.5  
160 45.8 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

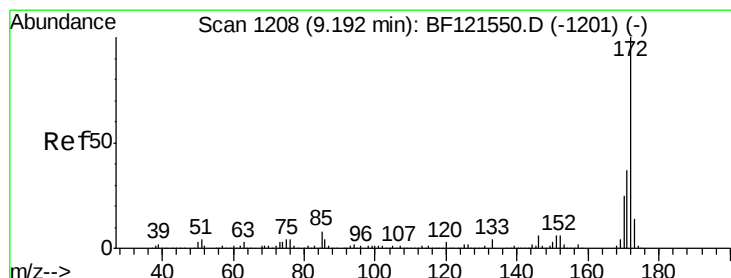
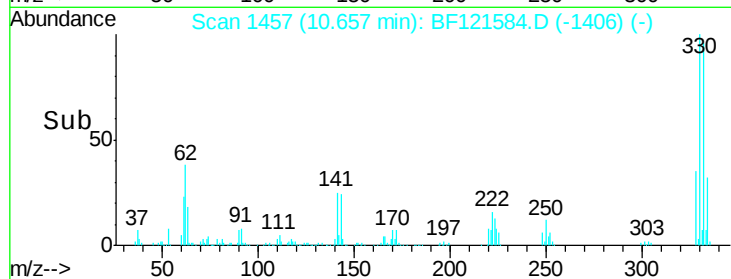
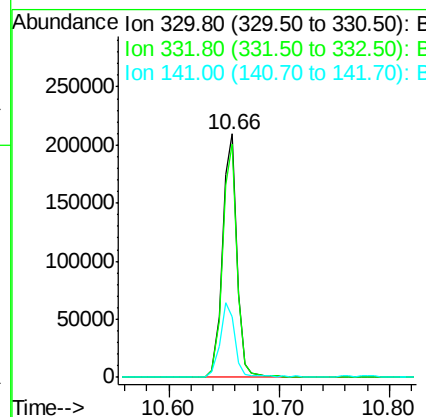
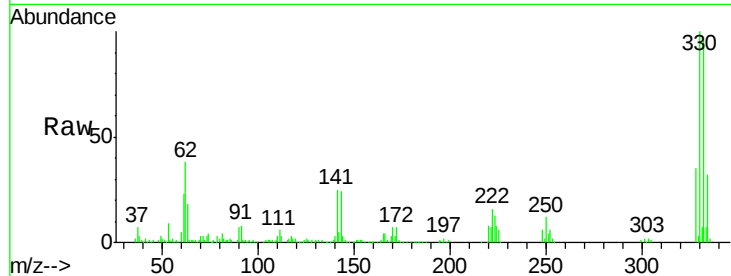




#42  
 2,4,6-Tribromophenol  
 Concen: 32.273 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

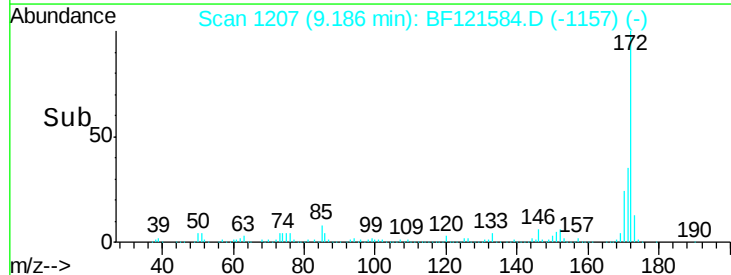
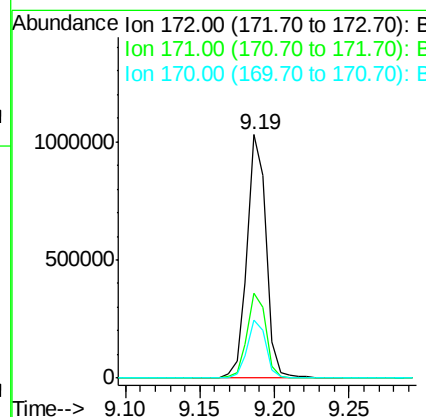
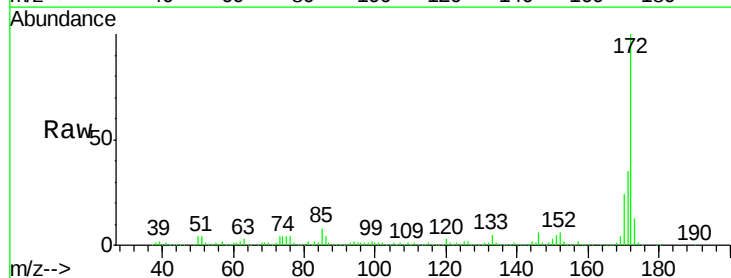
Instrument :  
 BNA\_F  
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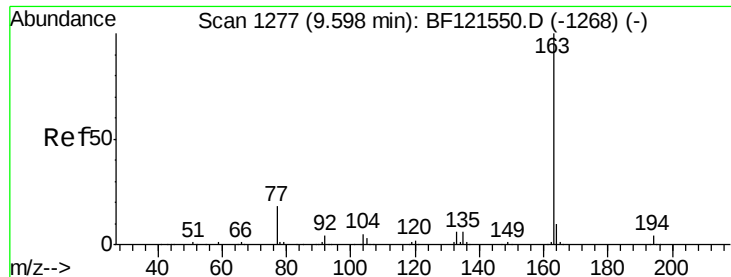
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.1  | 115.7 |
| 141     | 30.9  | 23.6  | 35.4  |



#45  
 2-Fluorobiphenyl  
 Concen: 29.138 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.01 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.8  | 44.6  |
| 170     | 24.1  | 19.8  | 29.8  |

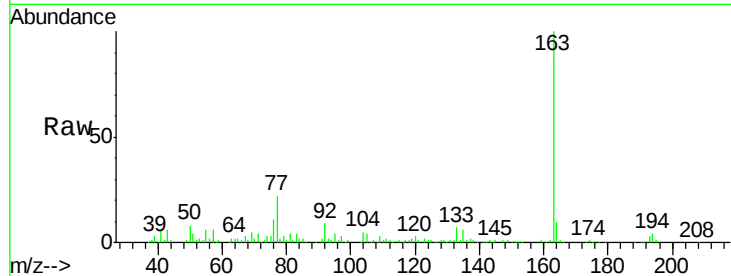




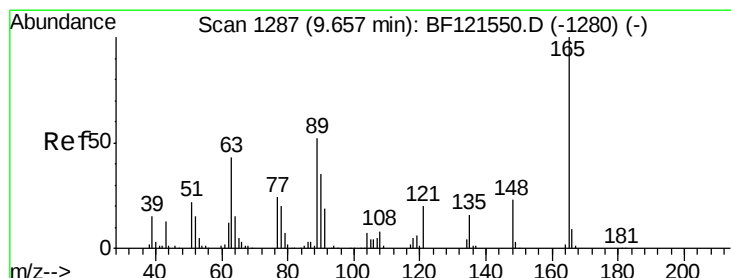
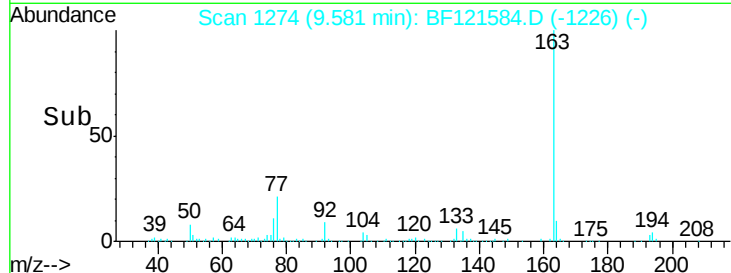
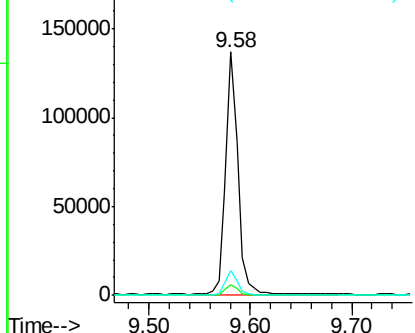
#50  
Dimethylphthalate  
Concen: 3.310 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. -0.02 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-091420

Tot Ion:163 Resp: 114484  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.4 7.9 11.9

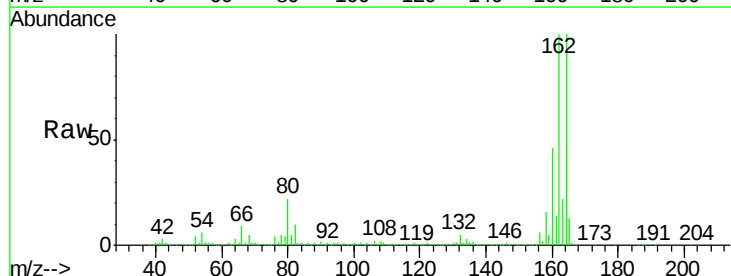


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

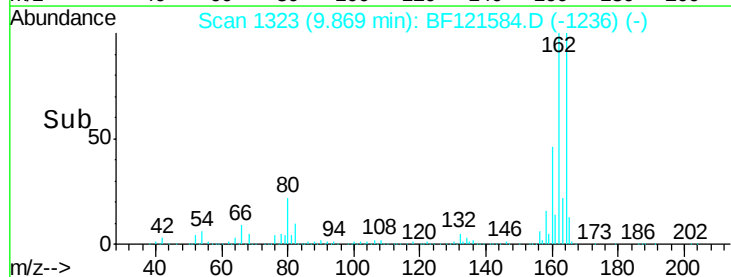
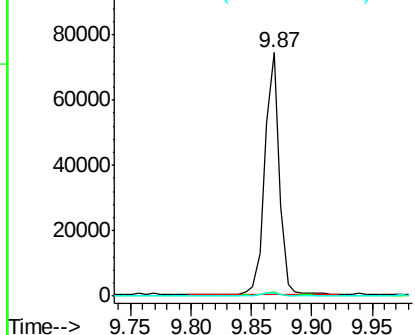


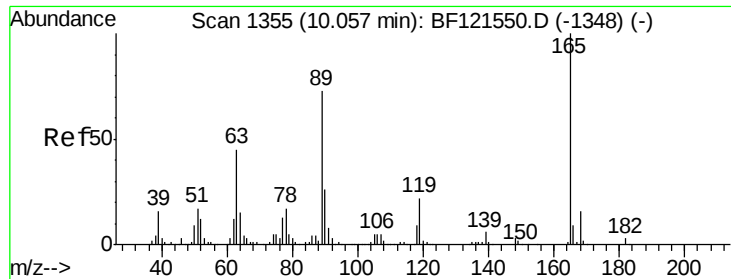
#51  
2,6-Dinitrotoluene  
Concen: 8.487 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. 0.21 min  
Lab File: BF121584.D  
Acq: 15 Sep 2020 18:32

Tgt Ion:165 Resp: 62510  
Ion Ratio Lower Upper  
165 100  
63 1.6 40.6 61.0#  
89 1.5 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

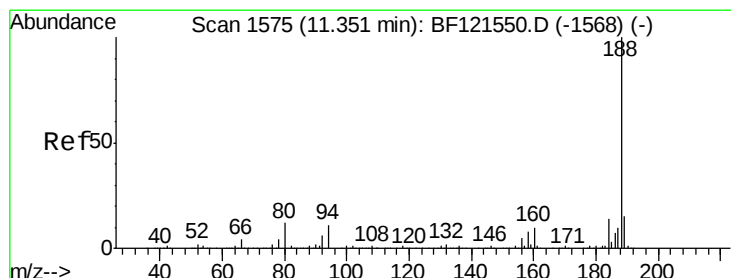
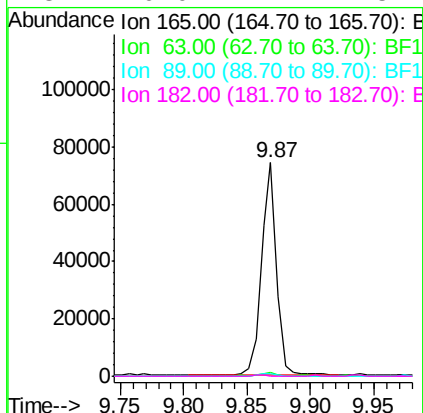
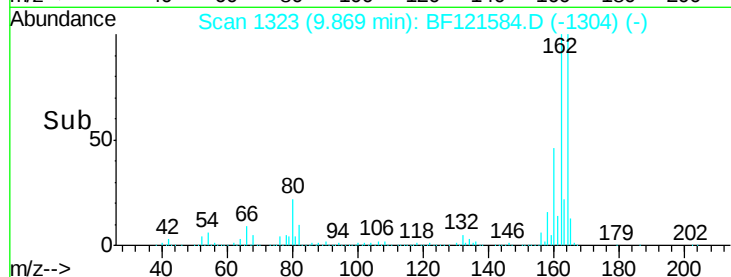
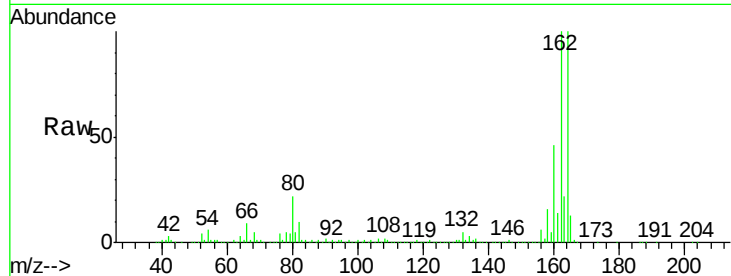




#57  
 2,4-Dinitrotoluene  
 Concen: 6.778 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.19 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

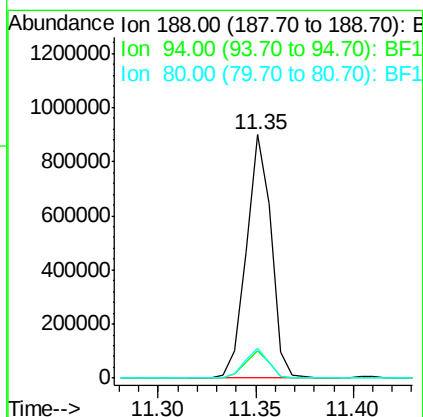
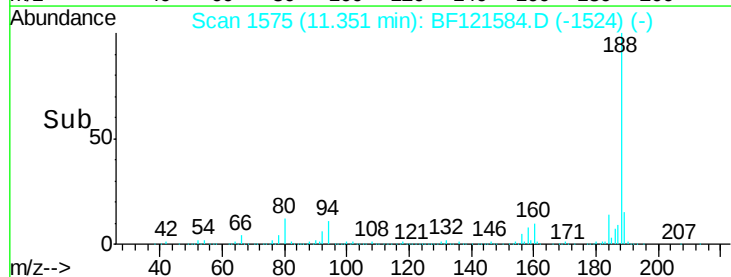
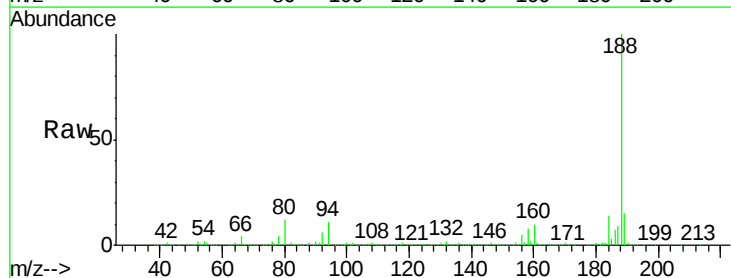
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-091420

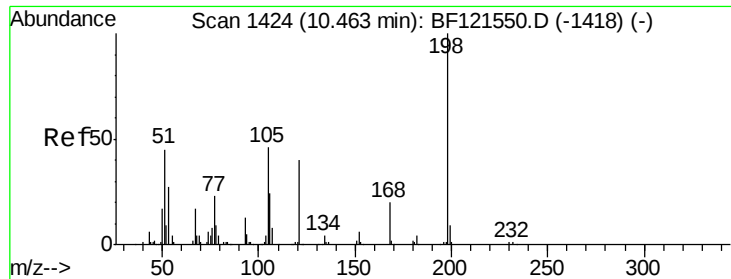
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 36.2  | 54.4# |
| 89      | 1.5   | 58.2  | 87.4# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.35 min Scan# 1575  
 Delta R.T. 0.00 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.5  | 8.7   | 13.1  |
| 80      | 12.1  | 9.3   | 13.9  |

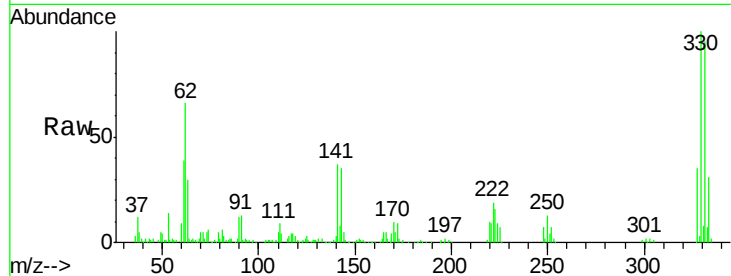




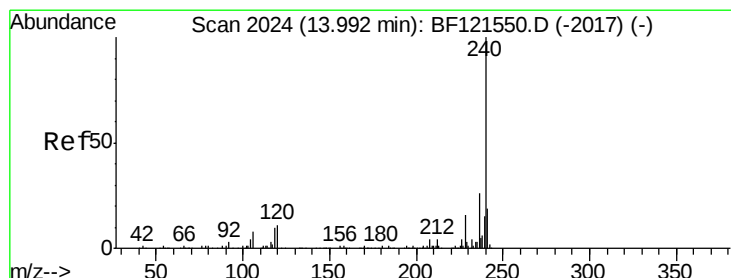
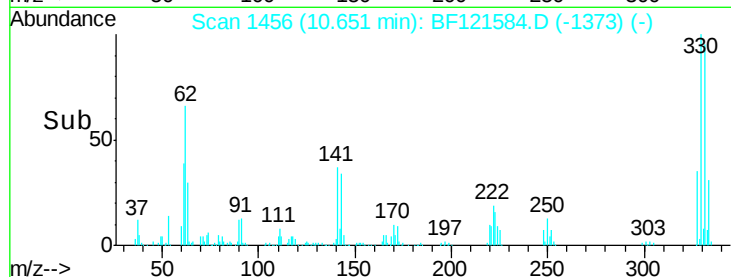
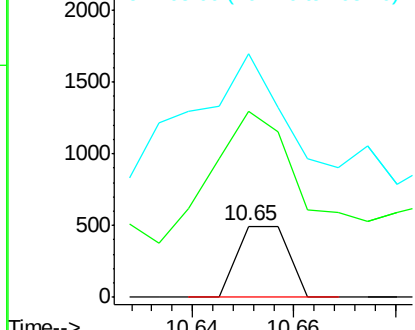
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.914 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. 0.19 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-091420

Tot Ion:198 Resp: 349  
 Ion Ratio Lower Upper  
 198 100  
 51 261.3 31.1 71.1#  
 105 343.1 26.6 66.6#

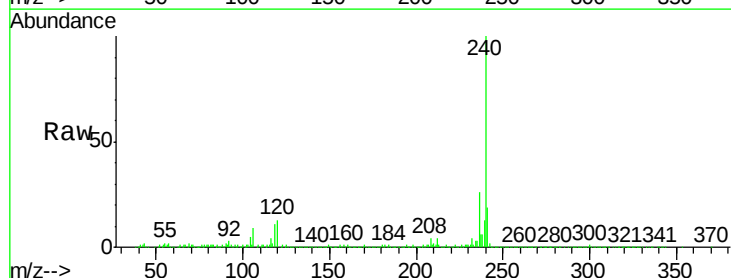


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

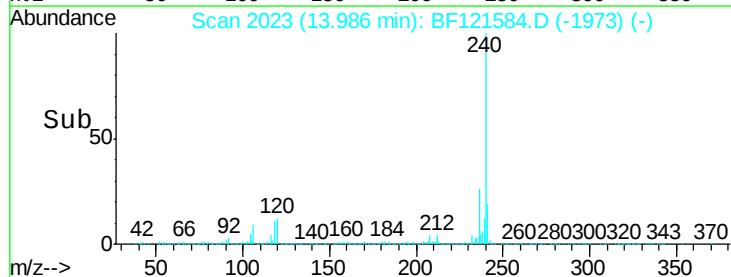
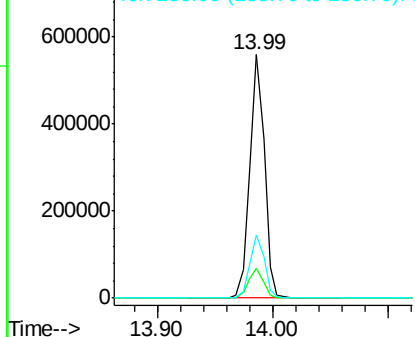


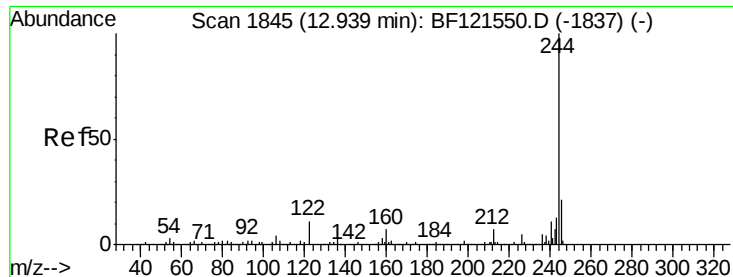
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

Tgt Ion:240 Resp: 490558  
 Ion Ratio Lower Upper  
 240 100  
 120 12.5 9.2 13.8  
 236 26.0 20.5 30.7



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

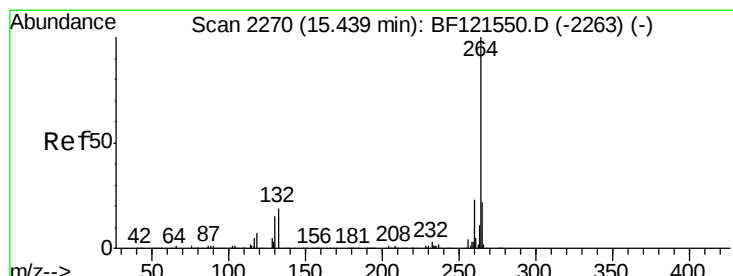
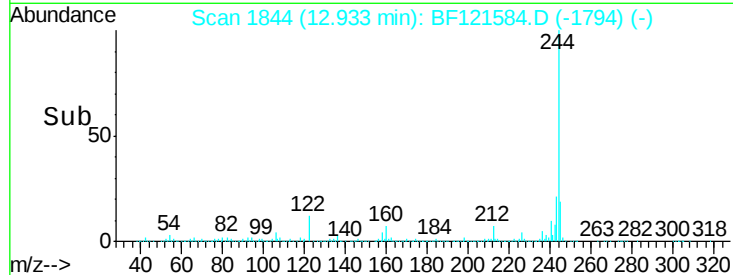
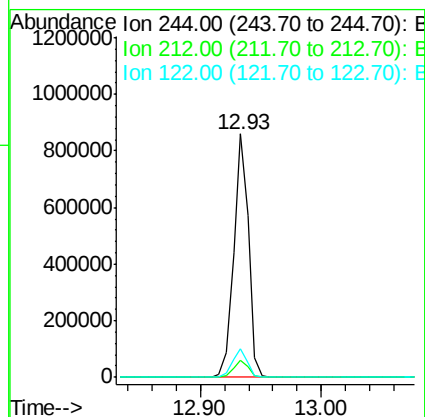
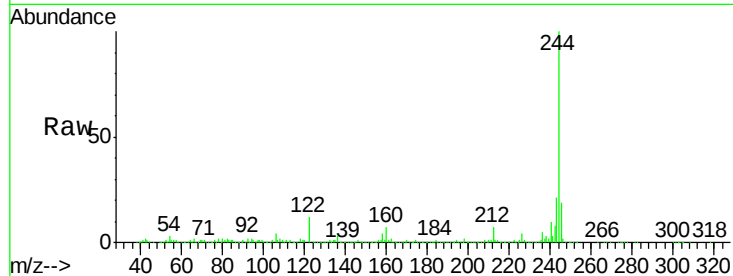




#79  
 Terphenyl-d14  
 Concen: 29.980 ng  
 RT: 12.93 min Scan# 1844  
 Delta R.T. -0.01 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-091420

|             |              |
|-------------|--------------|
| Tot Ion:244 | Resp: 725953 |
| Ion Ratio   | Lower Upper  |
| 244 100     |              |
| 212 7.0     | 5.7 8.5      |
| 122 12.0    | 8.7 13.1     |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: BF121584.D  
 Acq: 15 Sep 2020 18:32

|             |              |
|-------------|--------------|
| Tgt Ion:264 | Resp: 481736 |
| Ion Ratio   | Lower Upper  |
| 264 100     |              |
| 260 23.8    | 18.8 28.2    |
| 265 21.6    | 17.8 26.6    |

