

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\  
 Data File : BF119261.D  
 Acq On : 6 Mar 2020 20:41  
 Operator : CG/JU  
 Sample : L1818-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 06 23:50:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 101006   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 385148   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 215128   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.24 | 188  | 412598   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.88 | 240  | 344937   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.30 | 264  | 330135   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.35  | 112  | 376232   | 62.25  | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 285026   | 38.78  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 654682   | 89.75  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 376321   | 133.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 1284093  | 87.93  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.82 | 244  | 1731808  | 86.44  | ng    | 0.00     |

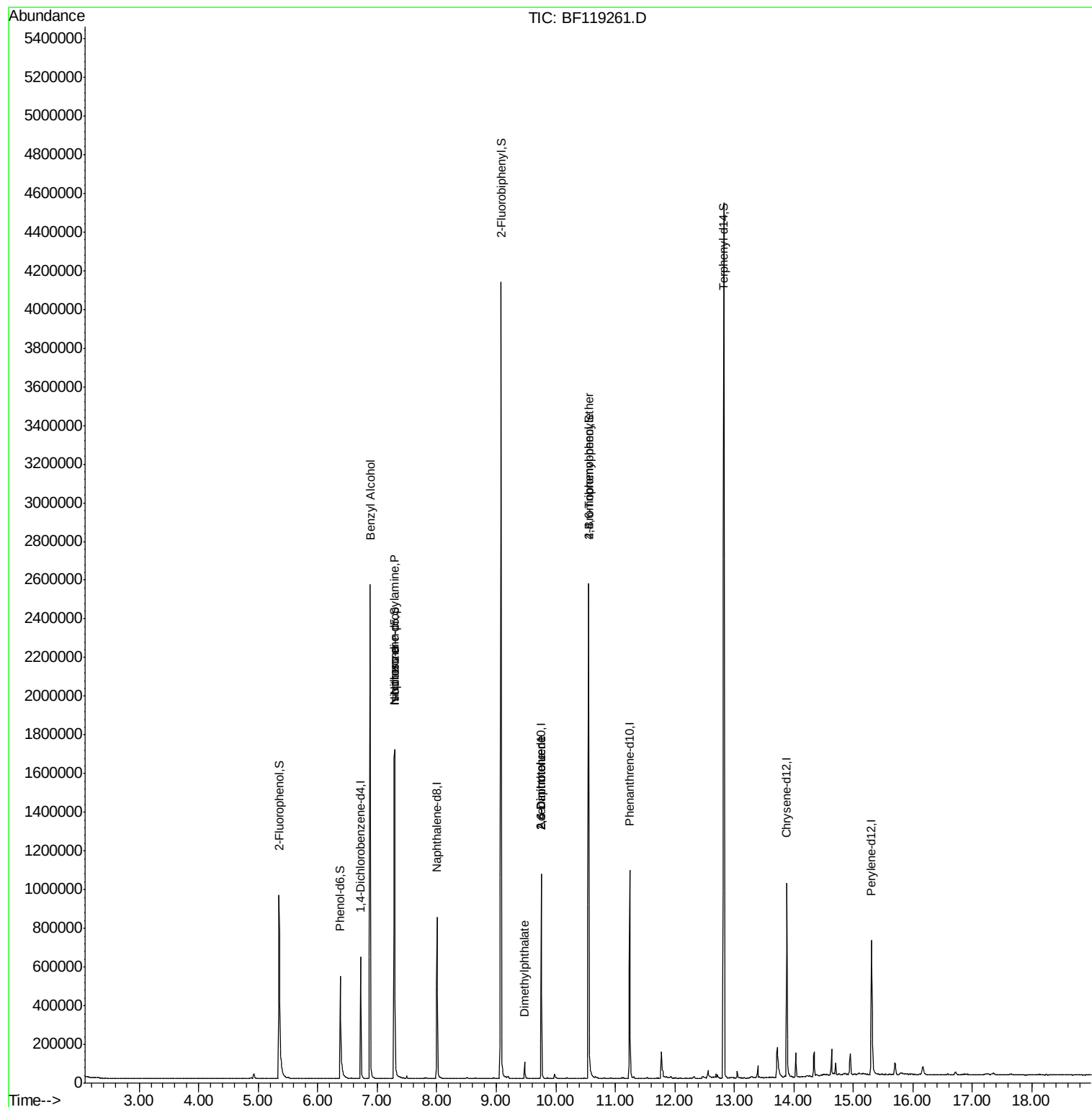
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 15) Benzyl Alcohol             | 6.88  | 79   | 11464    | 2.158  | ng    | # 49   |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 90248    | 21.070 | ng    | # 75   |
| 25) Isophorone                 | 7.29  | 82   | 654682   | 51.679 | ng    | # 63   |
| 50) Dimethylphthalate          | 9.47  | 163  | 43900    | 2.669  | ng    | # 98   |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165  | 27644    | 7.564  | ng    | # 33   |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 27644    | 5.835  | ng    | # 21   |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 24628    | 4.567  | ng    | # 1    |

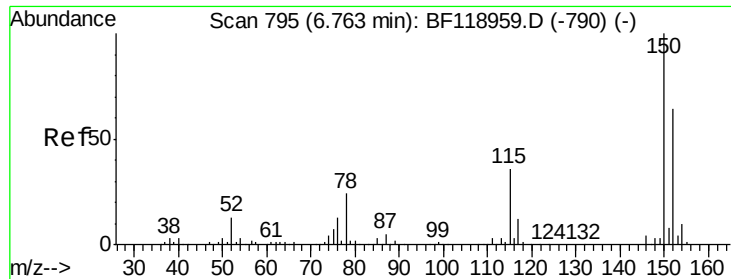
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

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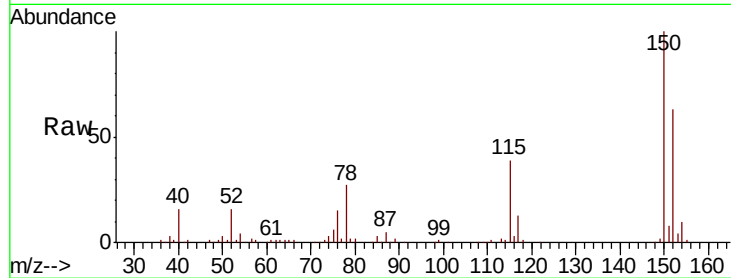


#1

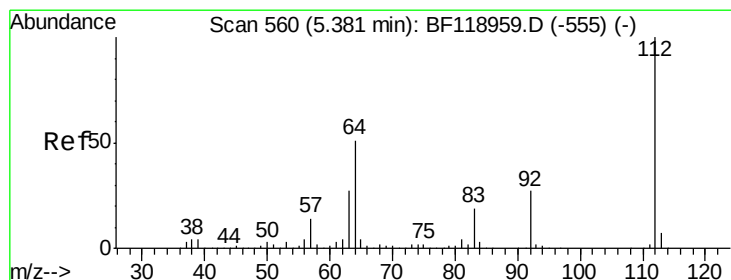
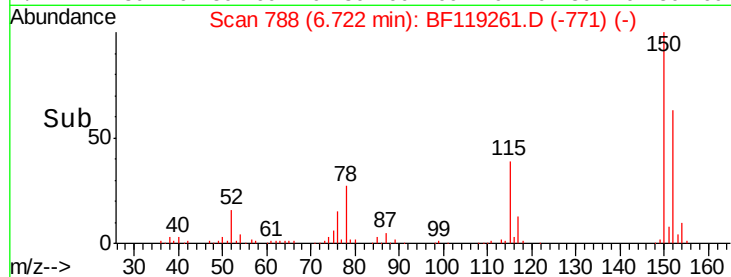
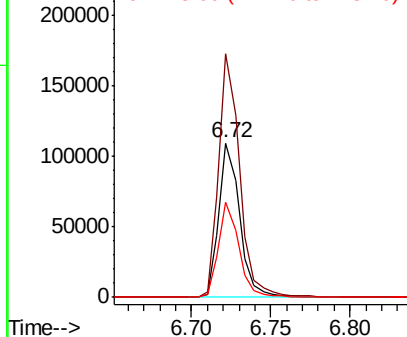
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 101006  
Ion Ratio Lower Upper  
152 100  
150 157.8 123.0 184.6  
115 62.0 49.5 74.3



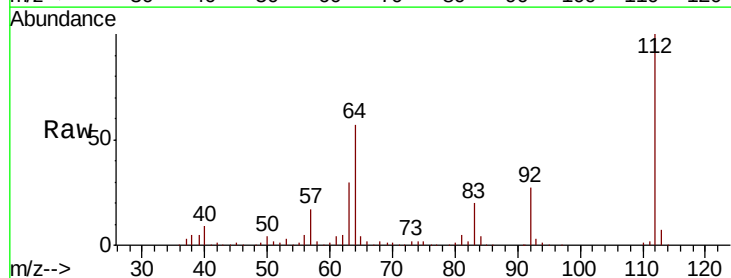
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



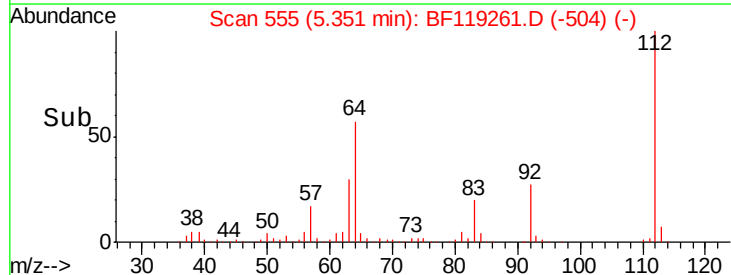
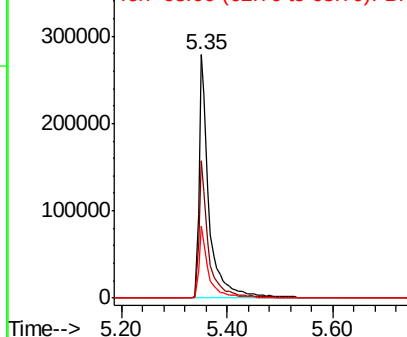
#5

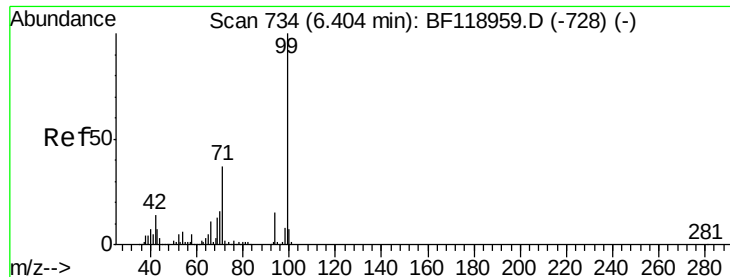
2-Fluorophenol  
Concen: 62.249 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Tgt Ion:112 Resp: 376232  
Ion Ratio Lower Upper  
112 100  
64 56.6 45.0 67.4  
63 29.7 24.2 36.4



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: 38.776 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

Instrument :

BNA\_F

ClientSampled :

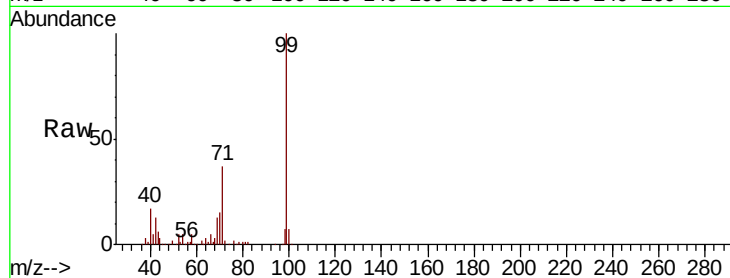
Tot Ion: 99 Resp: 285026

Ion Ratio Lower Upper

99 100

42 13.3 12.6 18.8

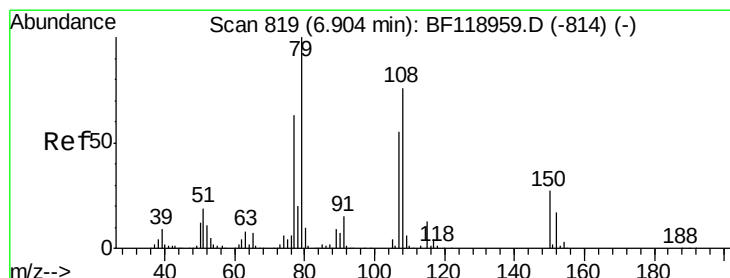
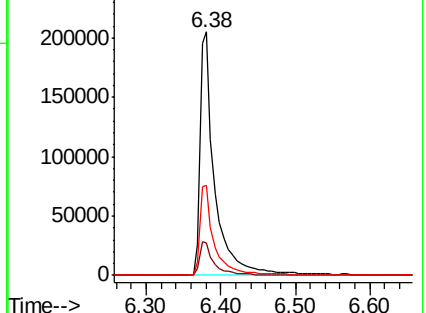
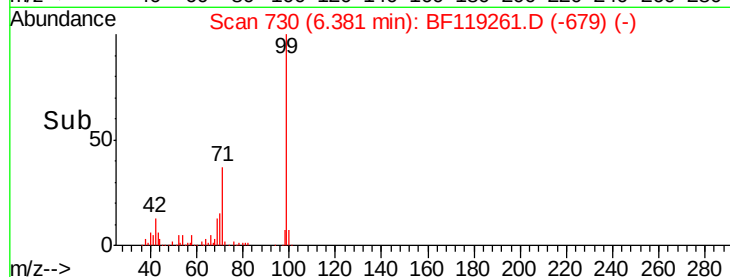
71 36.7 31.0 46.4



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



#15

Benzyl Alcohol

Concen: 2.158 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

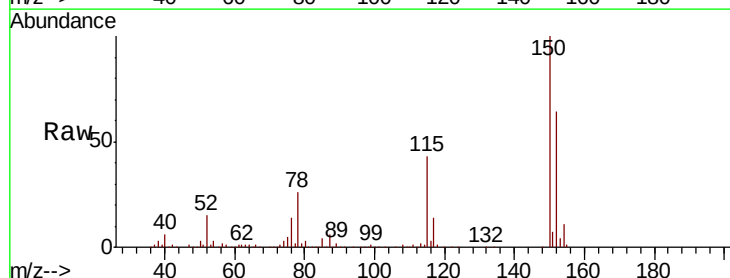
Tgt Ion: 79 Resp: 11464

Ion Ratio Lower Upper

79 100

108 31.7 58.2 87.2#

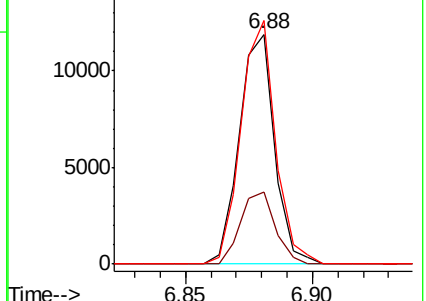
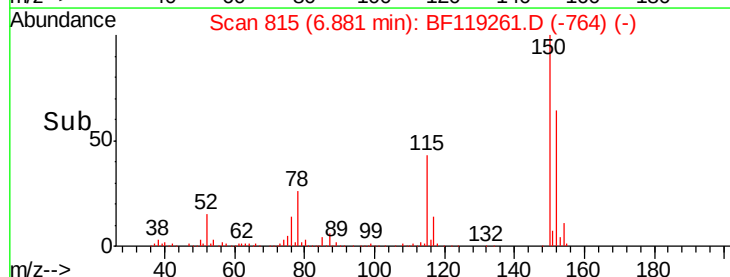
77 106.0 51.2 76.8#

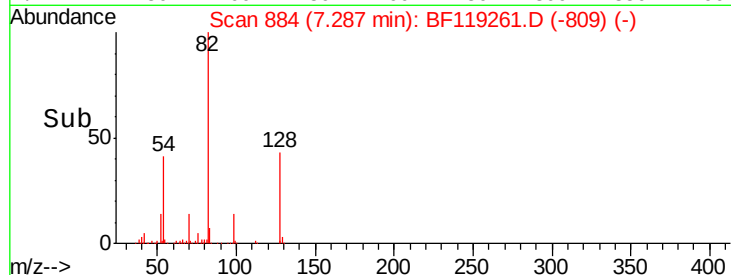
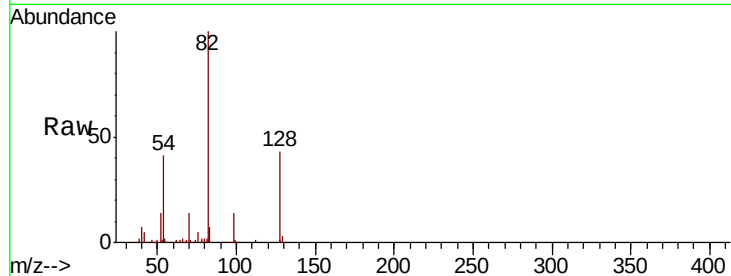
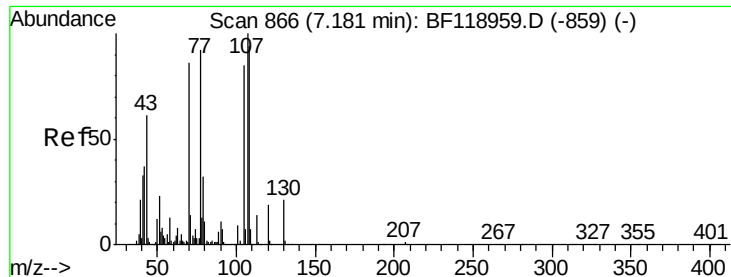


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

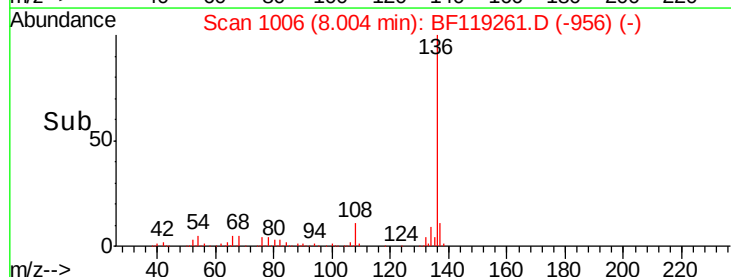
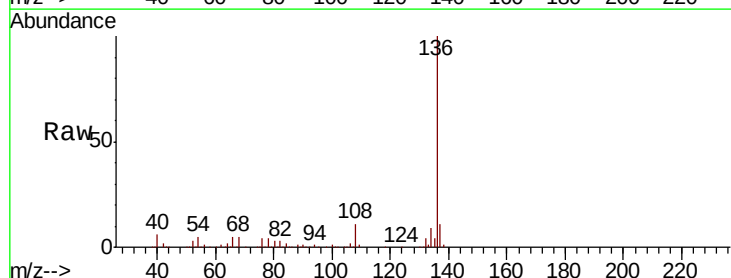
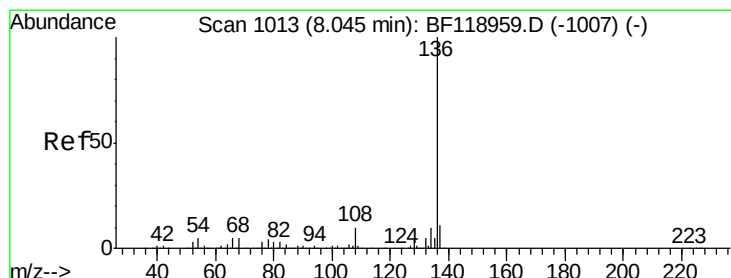
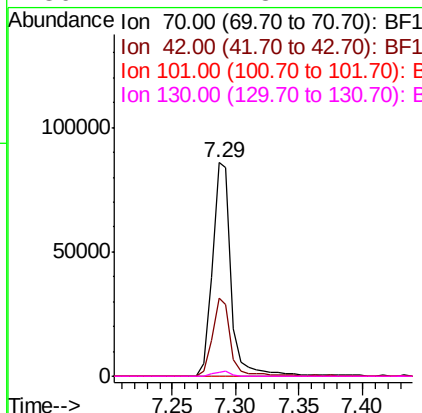




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.070 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.14 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

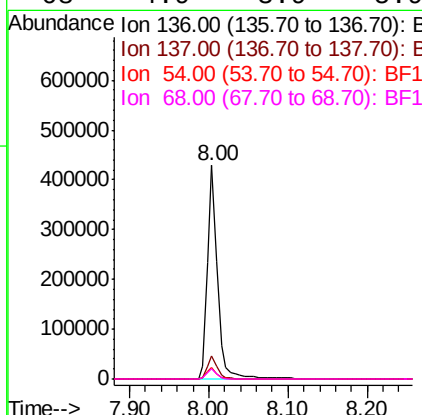
Instrument :  
BNA\_F  
ClientSampleId :

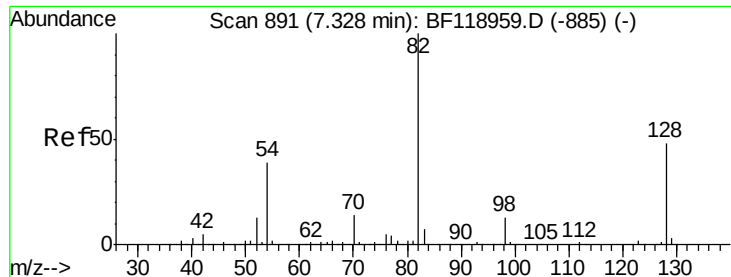
Tot Ion: 70 Resp: 90248  
Ion Ratio Lower Upper  
70 100  
42 36.3 38.0 57.0#  
101 0.0 8.2 12.4#  
130 2.1 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Tgt Ion: 136 Resp: 385148  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 5.2 3.8 5.6  
68 4.9 3.9 5.9

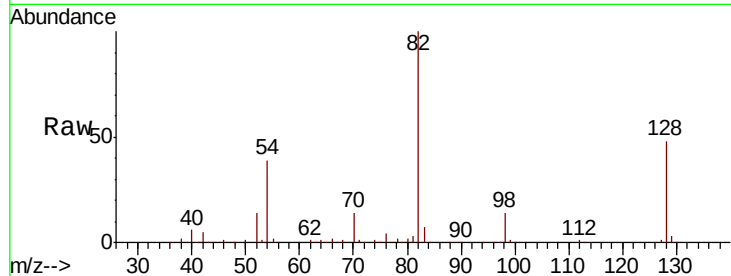




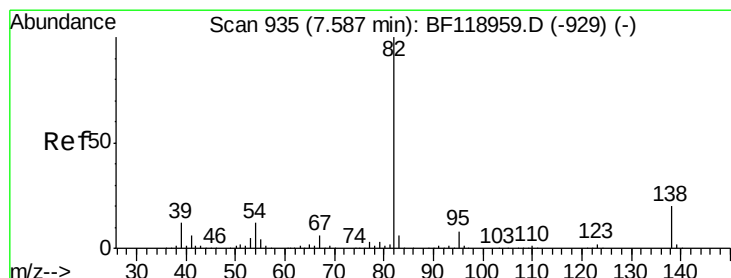
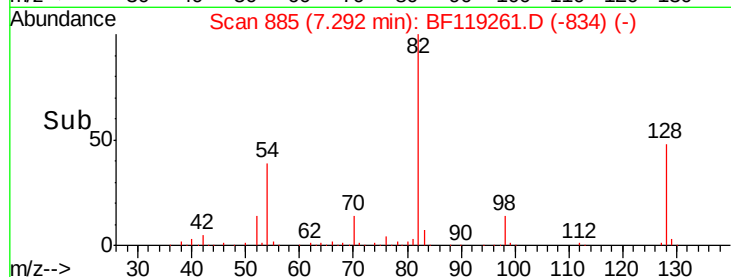
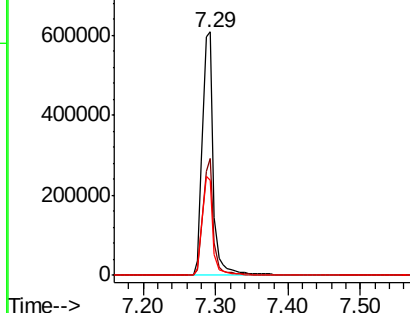
#23  
Nitrobenzene-d5  
Concen: 89.750 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.00 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 654682  
Ion Ratio Lower Upper  
82 100  
128 48.2 37.9 56.9  
54 39.0 33.4 50.2

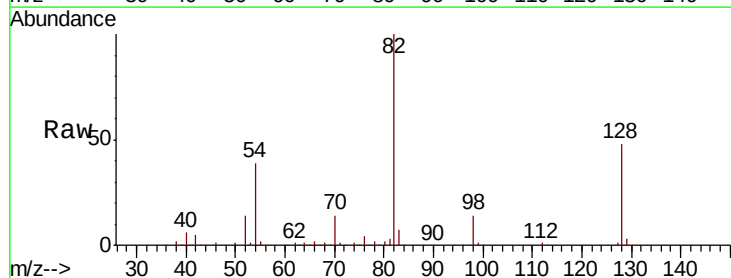


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

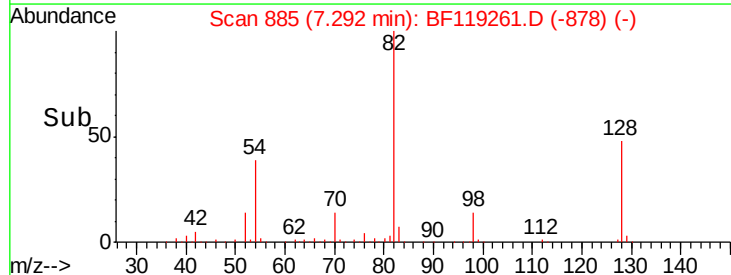
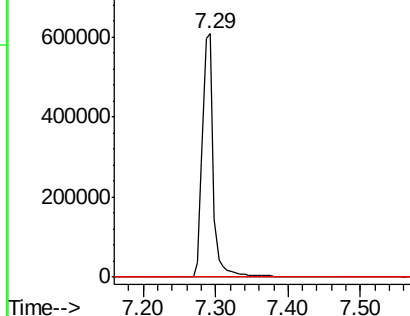


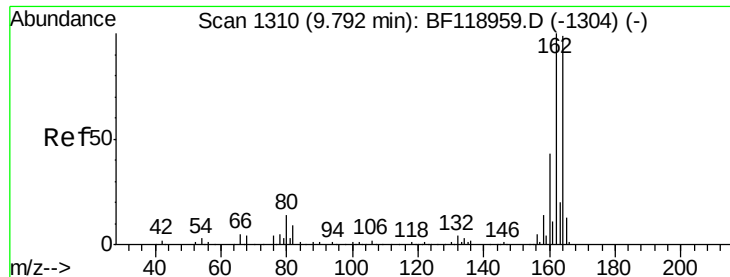
#25  
Isophorone  
Concen: 51.679 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.26 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Tgt Ion: 82 Resp: 654682  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 15.7 23.5#



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

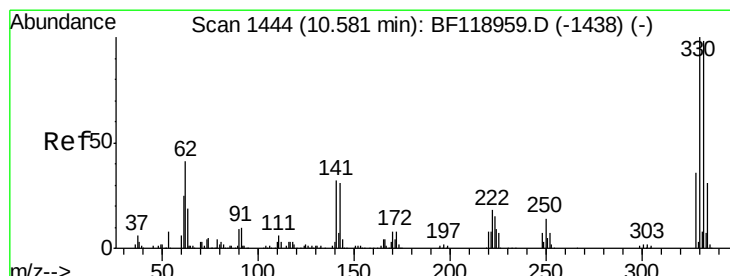
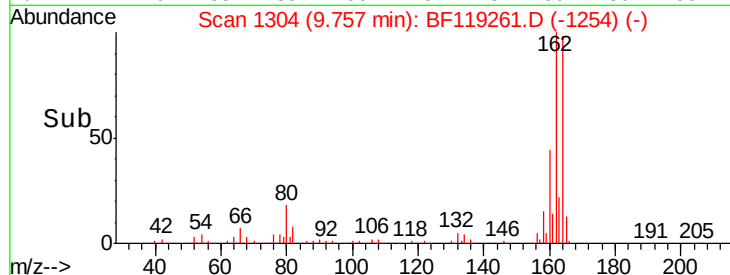
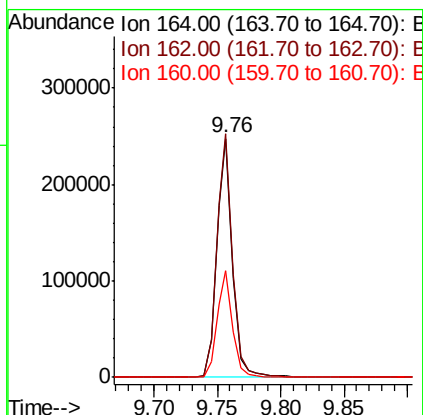
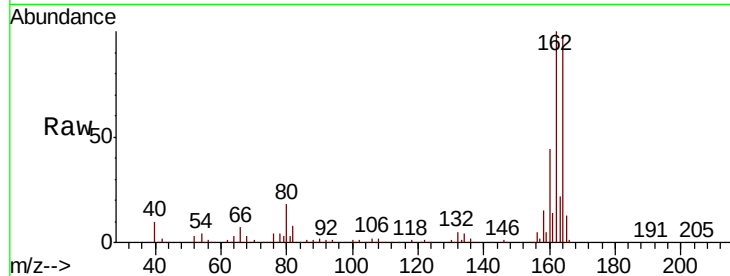




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF119261.D  
 Acq: 6 Mar 2020 20:41

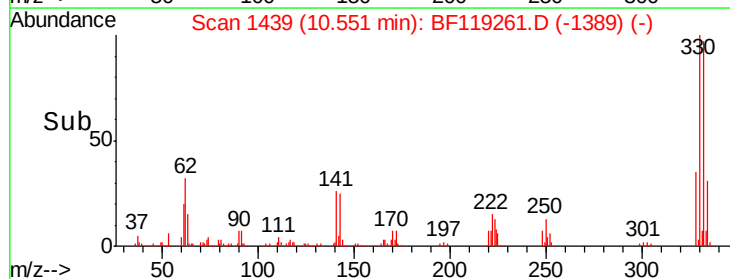
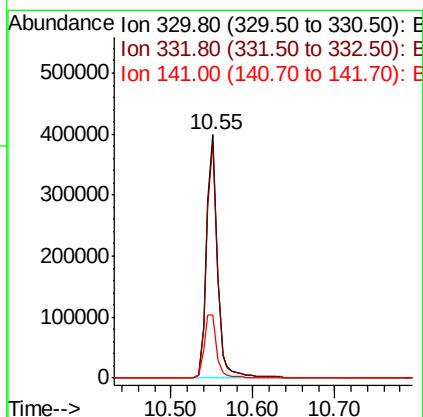
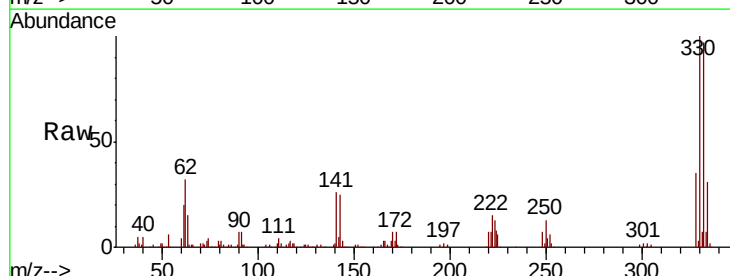
Instrument :  
 BNA\_F  
 ClientSampleId :

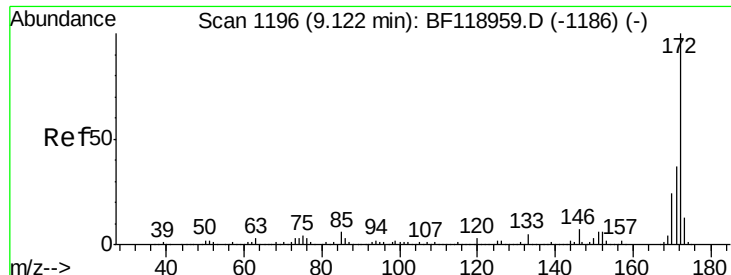
Tot Ion:164 Resp: 215128  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 81.8 122.8  
 160 44.8 36.0 54.0



#42  
 2,4,6-Tribromophenol  
 Concen: 133.720 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF119261.D  
 Acq: 6 Mar 2020 20:41

Tgt Ion:330 Resp: 376321  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 76.0 114.0  
 141 30.1 22.9 34.3

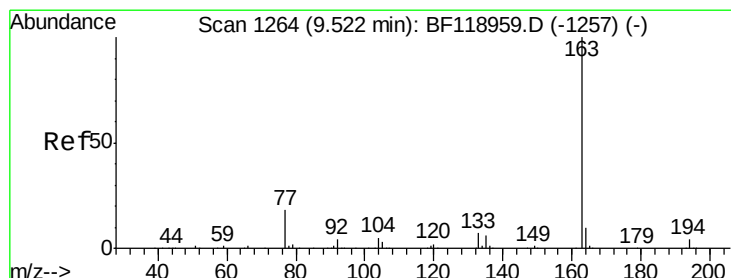
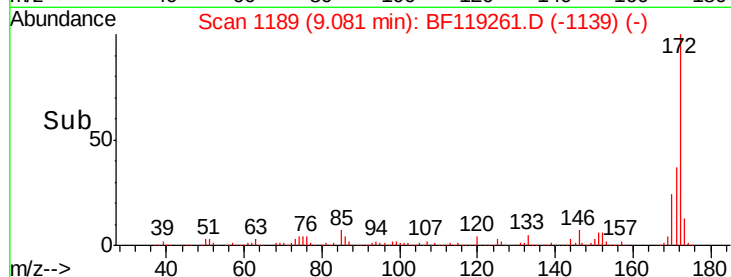
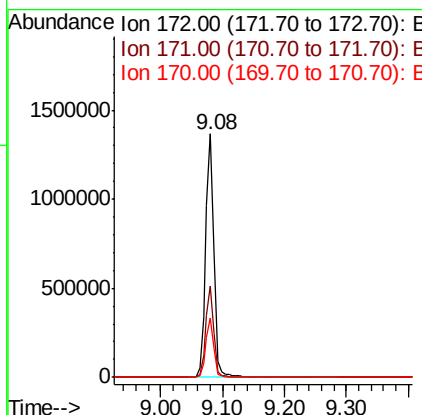
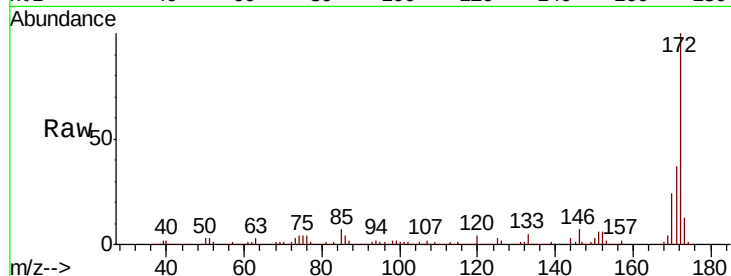




#45  
2-Fluorobiphenyl  
Concen: 87.933 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

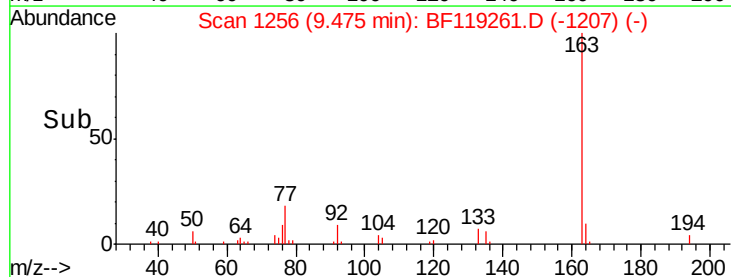
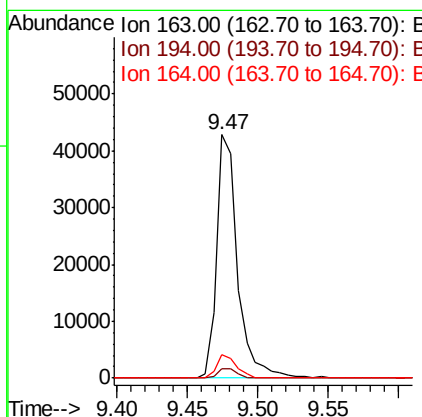
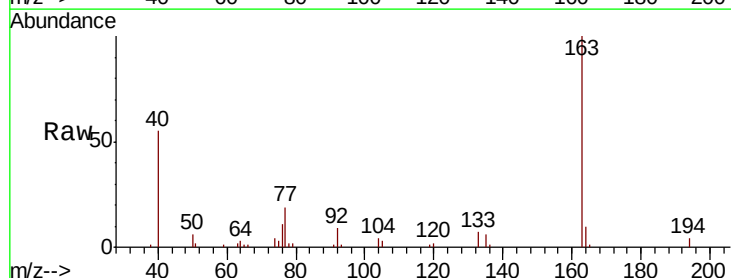
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1284093  
Ion Ratio Lower Upper  
172 100  
171 37.4 30.6 45.8  
170 24.3 20.2 30.2

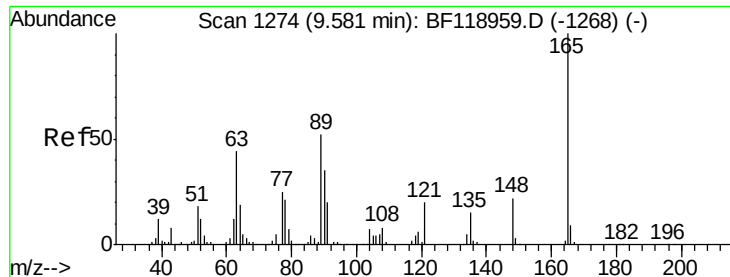


#50  
Dimethylphthalate  
Concen: 2.669 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Tgt Ion:163 Resp: 43900  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.5 5.3  
164 9.8 8.4 12.6







#51

2,6-Dinitrotoluene

Concen: 7.564 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

Instrument :  
BNA\_F  
ClientSampleId :

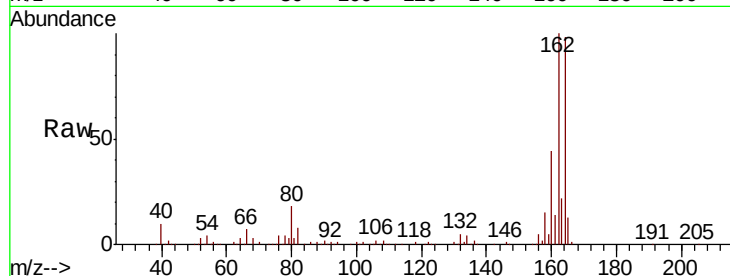
Tot Ion:165 Resp: 27644

Ion Ratio Lower Upper

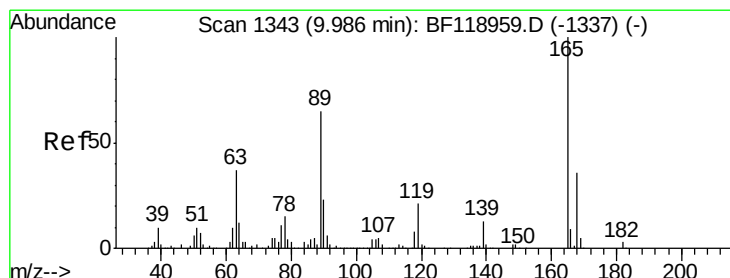
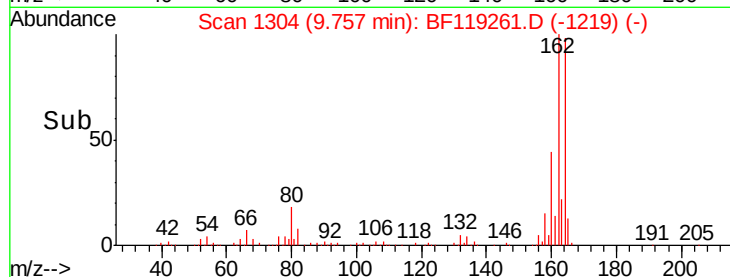
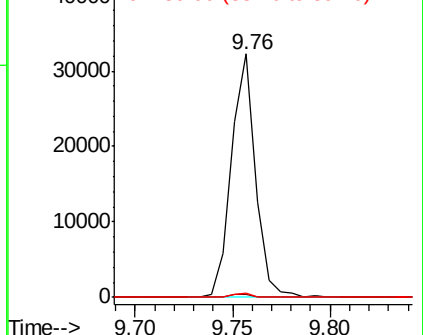
165 100

63 1.4 34.3 51.5#

89 1.5 38.3 57.5#



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: 5.835 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

Tgt Ion:165 Resp: 27644

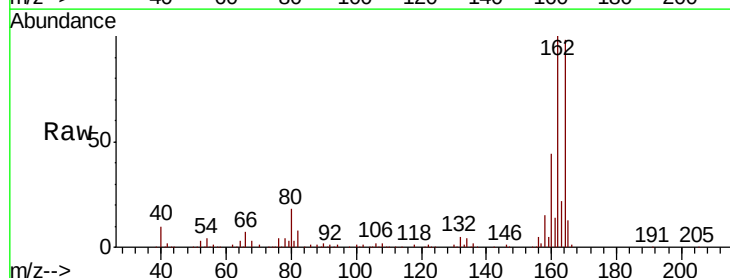
Ion Ratio Lower Upper

165 100

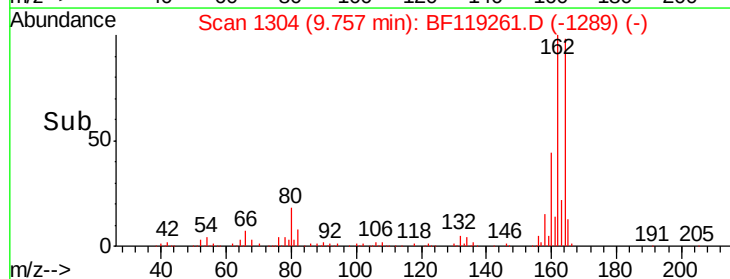
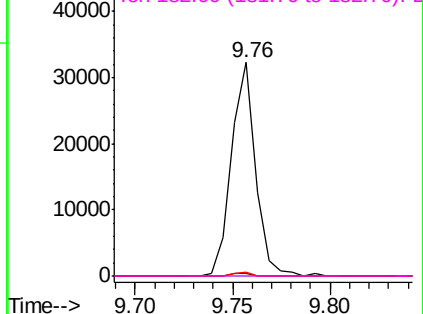
63 1.4 42.3 63.5#

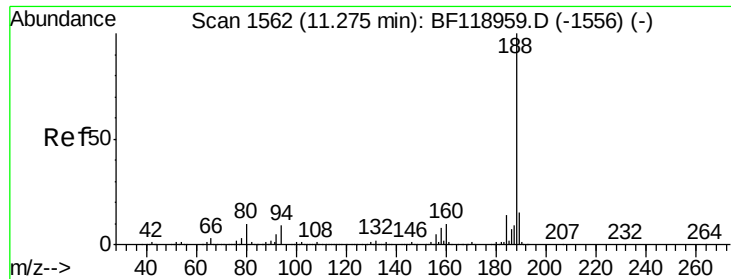
89 1.5 60.2 90.4#

182 0.0 2.3 3.5#



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  
Ion 182.00 (181.70 to 182.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

Instrument :

BNA\_F

ClientSampleId :

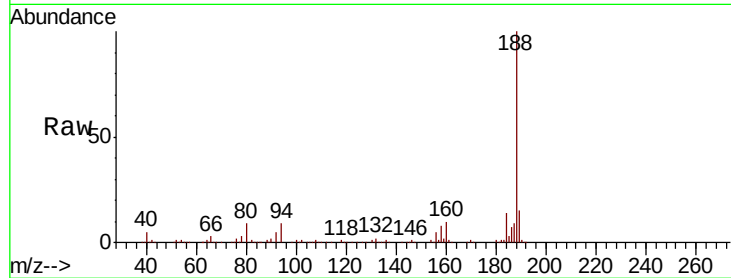
Tot Ion:188 Resp: 412598

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

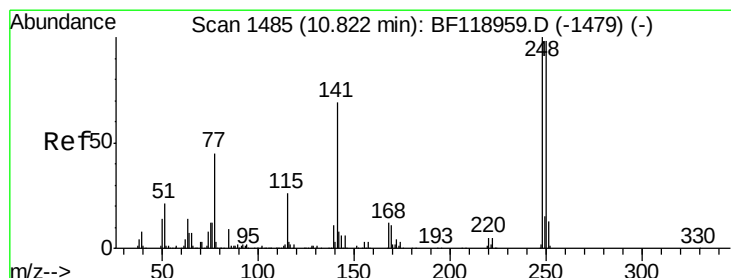
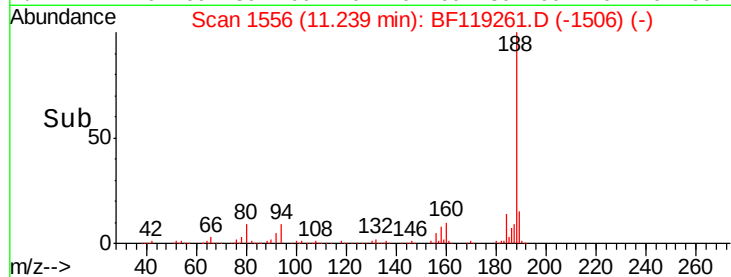
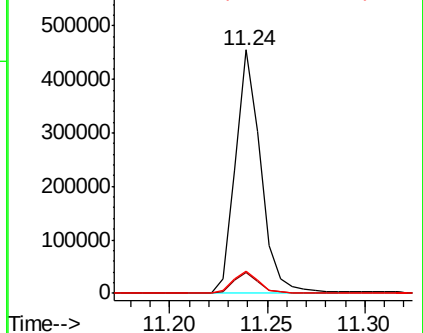
80 9.0 7.8 11.8



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: 4.567 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF119261.D

Acq: 6 Mar 2020 20:41

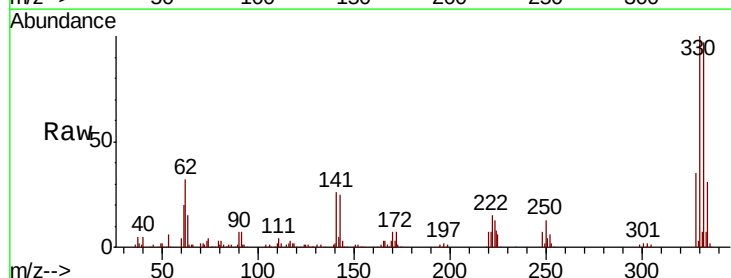
Tgt Ion:248 Resp: 24628

Ion Ratio Lower Upper

248 100

250 187.2 76.7 115.1#

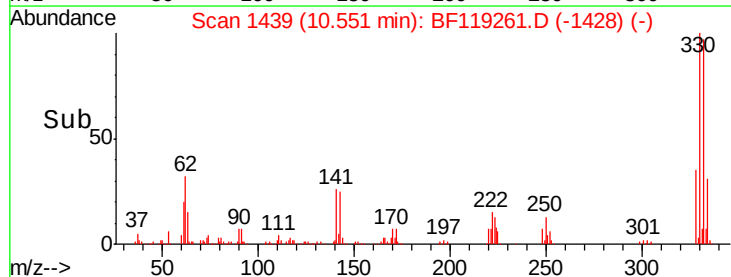
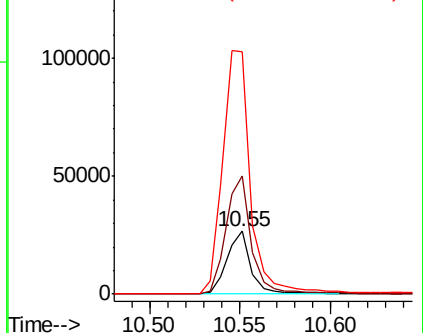
141 384.3 60.7 91.1#

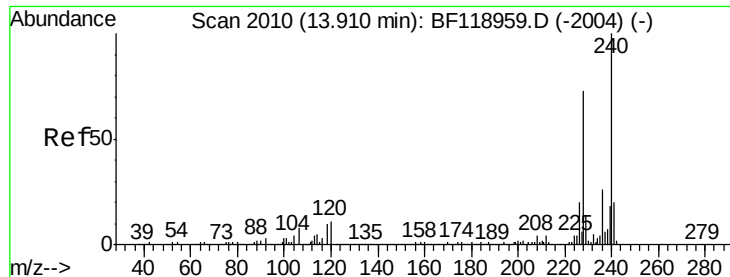


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

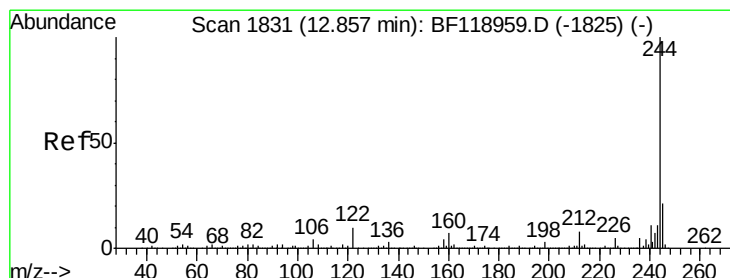
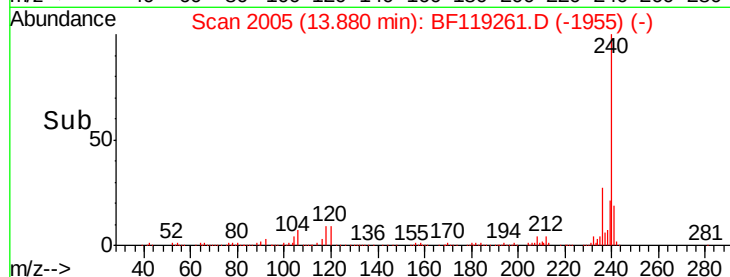
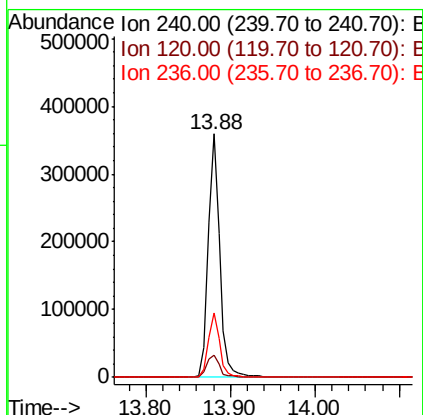
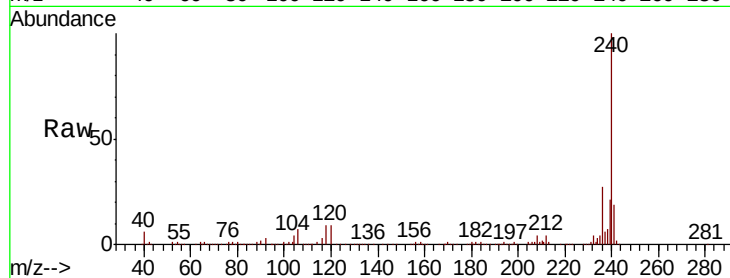




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.88 min Scan# 2005  
 Delta R.T. -0.01 min  
 Lab File: BF119261.D  
 Acq: 6 Mar 2020 20:41

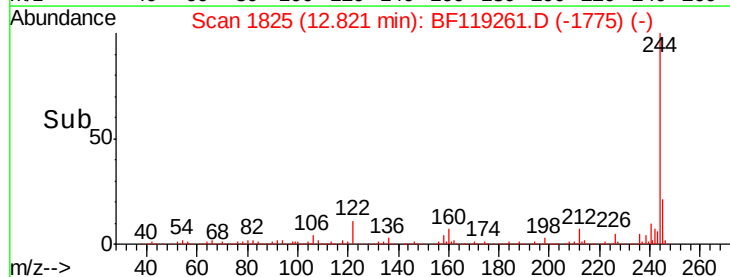
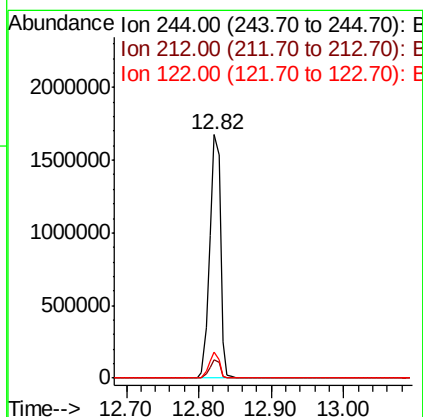
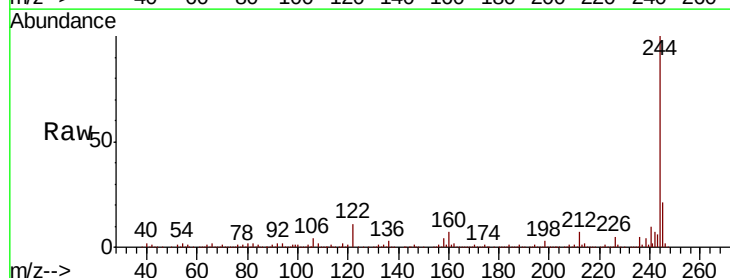
Instrument :  
 BNA\_F  
 ClientSampleId :

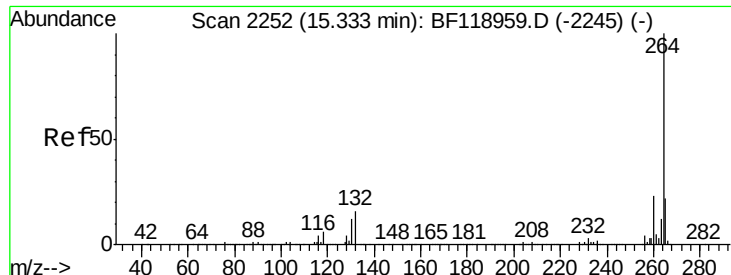
Tot Ion:240 Resp: 344937  
 Ion Ratio Lower Upper  
 240 100  
 120 9.3 8.4 12.6  
 236 26.6 21.0 31.4



#79  
 Terphenyl-d14  
 Concen: 86.439 ng  
 RT: 12.82 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF119261.D  
 Acq: 6 Mar 2020 20:41

Tgt Ion:244 Resp: 1731808  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.6 10.0  
 122 10.5 8.2 12.2





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.30 min Scan# 2247  
Delta R.T. -0.01 min  
Lab File: BF119261.D  
Acq: 6 Mar 2020 20:41

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.4  | 29.2  |
| 265     | 21.6  | 17.7  | 26.5  |

