

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040620\  
 Data File : BF119781.D  
 Acq On : 6 Apr 2020 20:22  
 Operator : MA/SJ  
 Sample : L2144-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RECLAIM-SYSTEM

Quant Time: Apr 07 00:28:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 06 11:15:16 2020  
 Response via : Initial Calibration

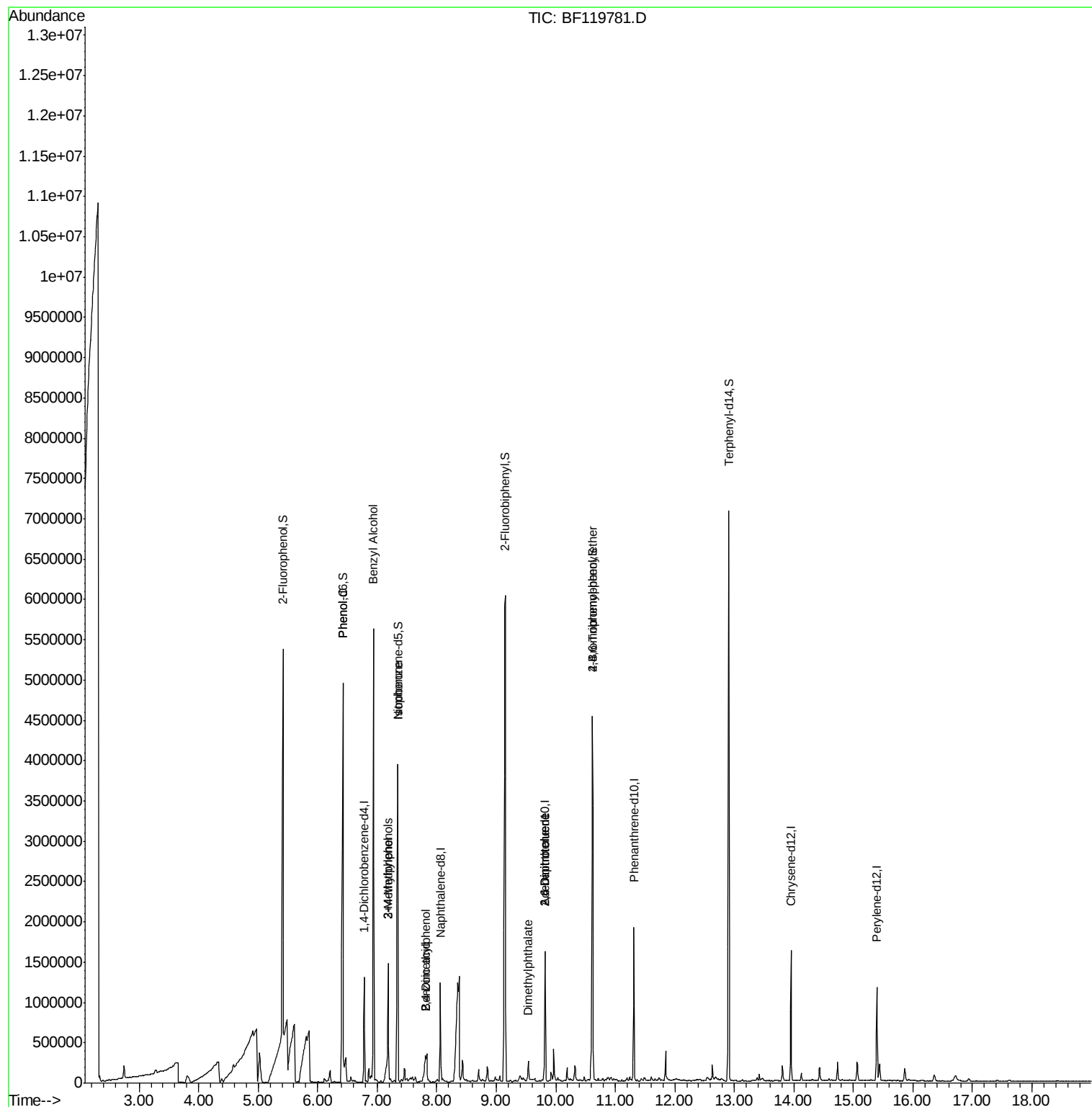
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 6.78  | 152  | 178951   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.06  | 136  | 693016   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.82  | 164  | 350933   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.31 | 188  | 672176   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.95 | 240  | 526288   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12              | 15.40 | 264  | 518030   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.42  | 112  | 1631525  | 145.14 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.42  | 99   | 1907935  | 132.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.35  | 82   | 1381534  | 108.34 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.62 | 330  | 639369   | 176.60 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.15  | 172  | 2658957  | 112.25 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.91 | 244  | 2848400  | 106.04 | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 10) Phenol                    | 6.43  | 94   | 39955    | 2.61   | ng    | # 65     |
| 15) Benzyl Alcohol            | 6.94  | 79   | 25167    | 2.33   | ng    | # 48     |
| 17) 2-Methylphenol            | 7.19  | 107  | 390459   | 36.10  | ng    | # 68     |
| 20) 3+4-Methylphenols         | 7.19  | 107  | 390459   | 29.45  | ng    | # 74     |
| 25) Isophorone                | 7.35  | 82   | 1381515  | 53.41  | ng    | # 65     |
| 27) 2,4-Dimethylphenol        | 7.81  | 122  | 64602    | 5.82   | ng    | # 6      |
| 32) Benzoic acid              | 7.81  | 122  | 64602    | 9.05   | ng    | 94       |
| 50) Dimethylphthalate         | 9.54  | 163  | 88288    | 3.54   | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.82  | 165  | 46118    | 8.63   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.82  | 165  | 46118    | 6.85   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.62 | 248  | 38170    | 4.99   | ng    | # 1      |

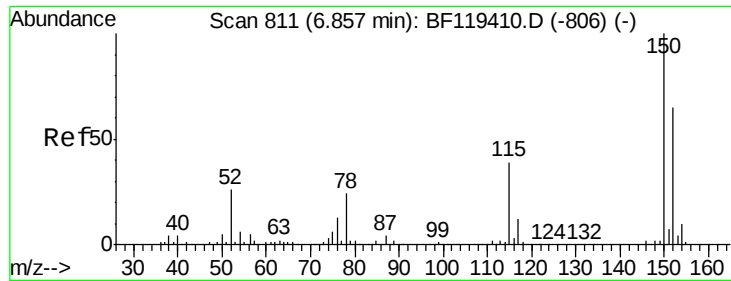
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 06 11:15:16 2020  
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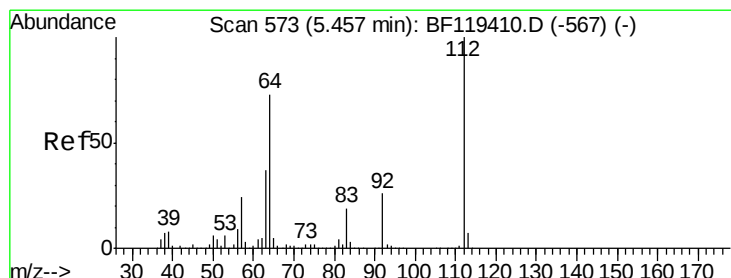
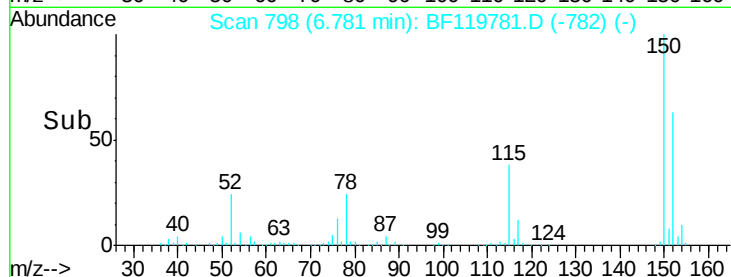
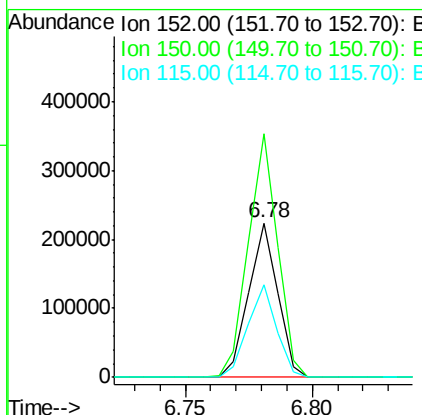
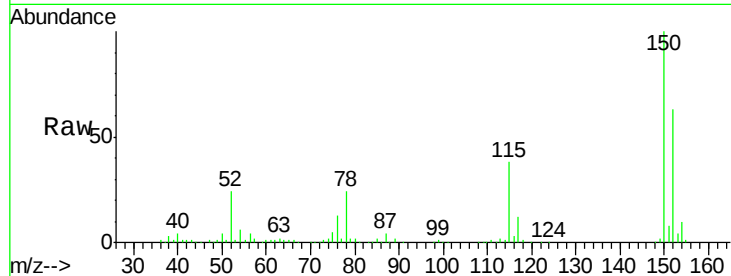




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.78 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

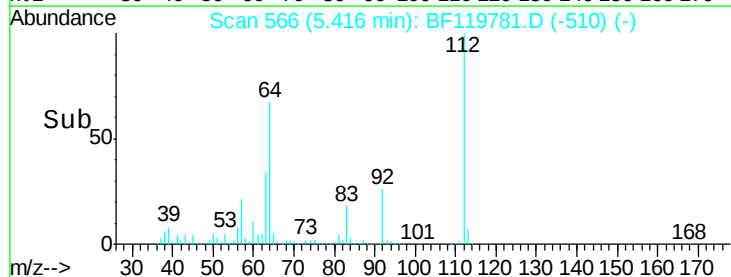
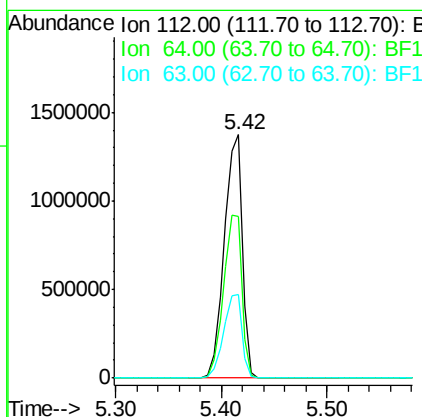
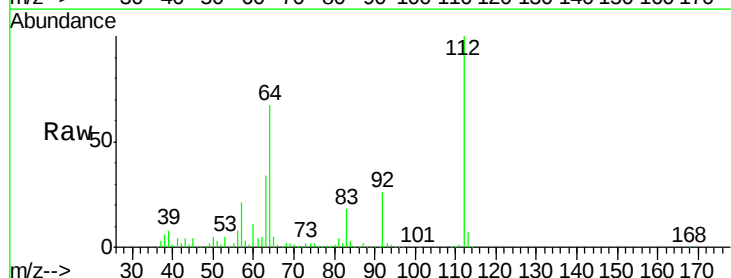
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RECLAIM-SYSTEM

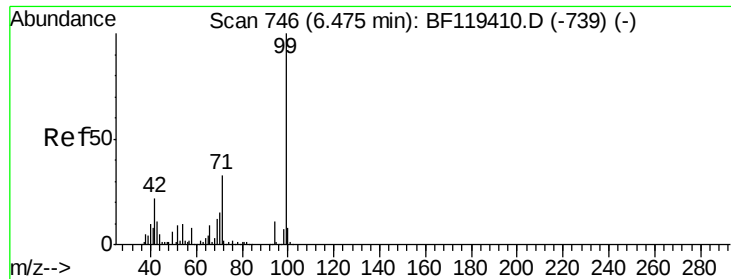
Tgt Ion:152 Resp: 178951  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 124.5 186.7  
 115 60.2 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 145.14 ng  
 RT: 5.42 min Scan# 566  
 Delta R.T. 0.03 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Tgt Ion:112 Resp: 1631525  
 Ion Ratio Lower Upper  
 112 100  
 64 66.5 56.7 85.1  
 63 34.3 29.5 44.3





#7

Phenol-d6

Concen: 132.86 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF119781.D

Acq: 6 Apr 2020 20:22

Instrument :

BNA\_F

ClientSampleId :

RECLAIM-SYSTEM

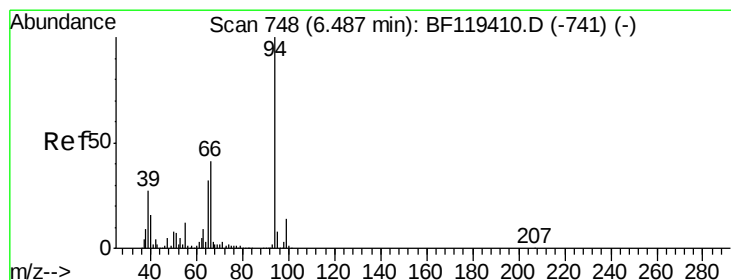
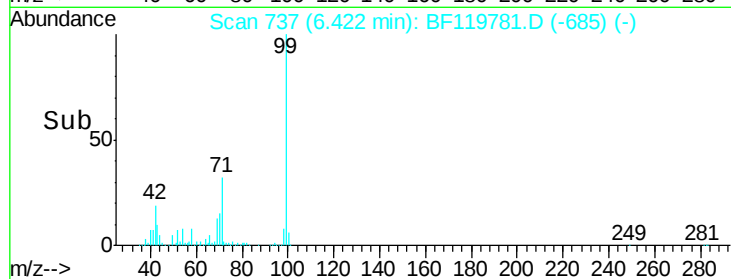
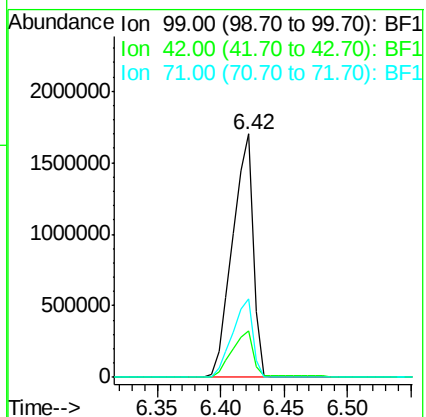
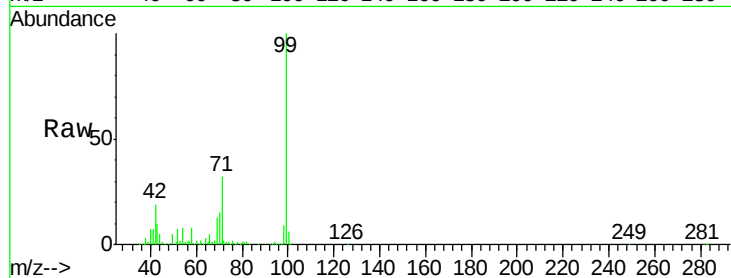
Tgt Ion: 99 Resp: 1907935

Ion Ratio Lower Upper

99 100

42 19.1 16.6 24.8

71 32.2 26.4 39.6



#10

Phenol

Concen: 2.61 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF119781.D

Acq: 6 Apr 2020 20:22

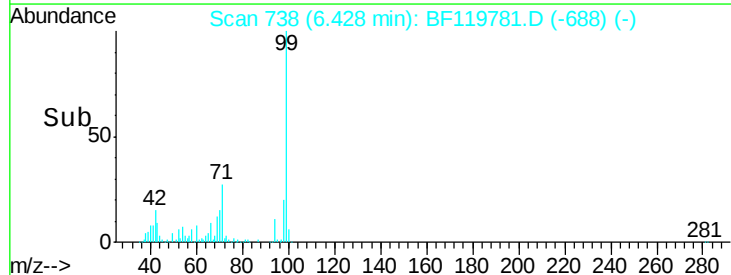
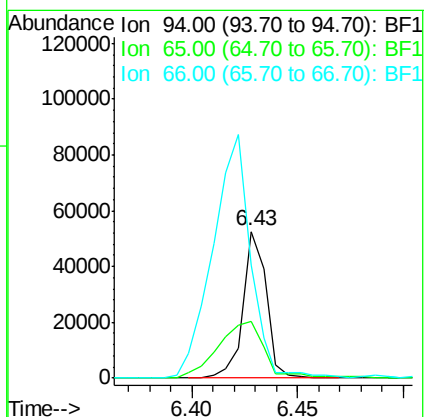
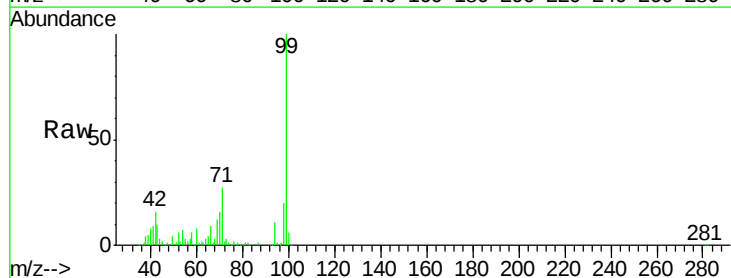
Tgt Ion: 94 Resp: 39955

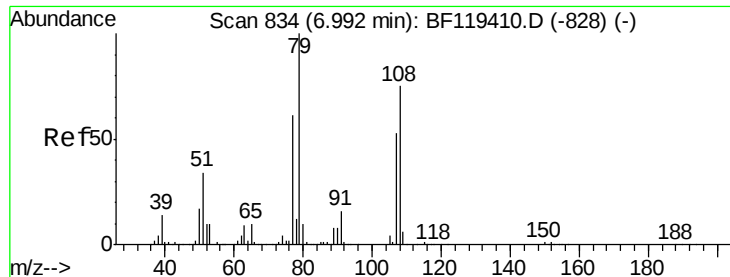
Ion Ratio Lower Upper

94 100

65 39.1 13.2 53.2

66 76.7 22.3 62.3#





#15

Benzyl Alcohol

Concen: 2.33 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.01 min

Lab File: BF119781.D

Acq: 6 Apr 2020 20:22

Instrument :

BNA\_F

ClientSampleId :

RECLAIM-SYSTEM

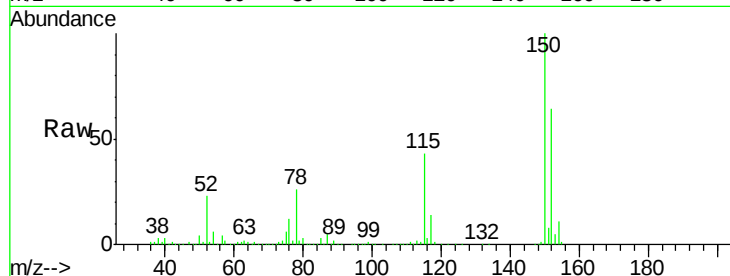
Tgt Ion: 79 Resp: 25167

Ion Ratio Lower Upper

79 100

108 28.6 60.6 90.8#

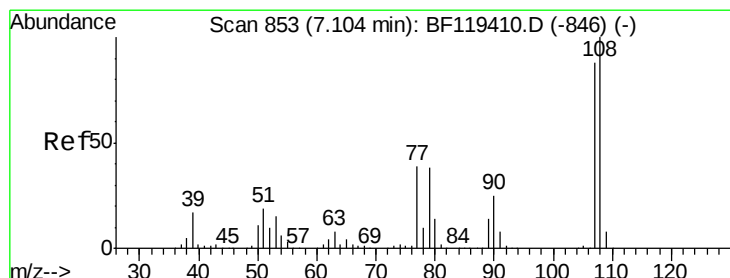
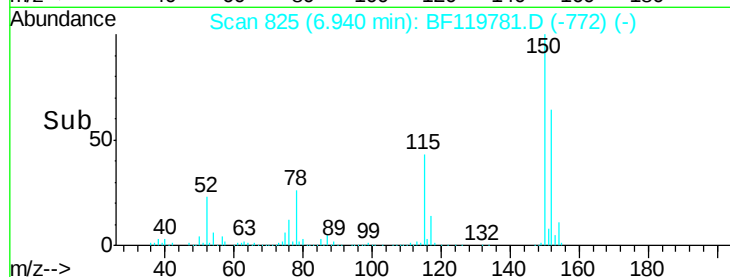
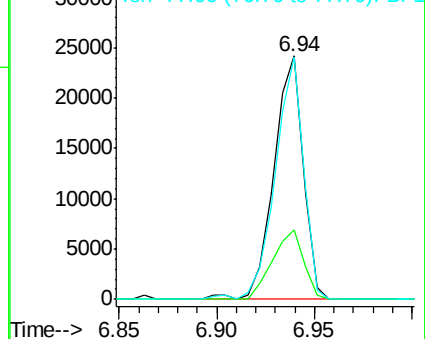
77 99.8 50.2 75.2#



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



#17

2-Methylphenol

Concen: 36.10 ng

RT: 7.19 min Scan# 867

Delta R.T. 0.15 min

Lab File: BF119781.D

Acq: 6 Apr 2020 20:22

Tgt Ion: 107 Resp: 390459

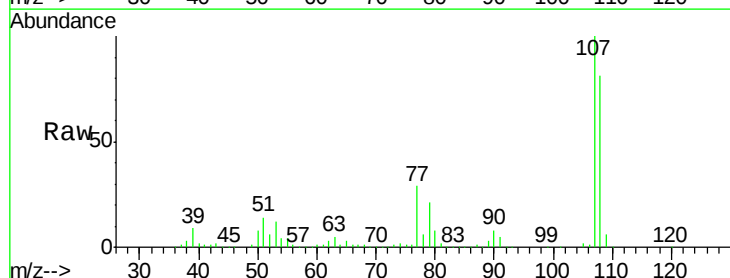
Ion Ratio Lower Upper

107 100

108 81.0 92.2 138.4#

77 28.9 36.6 54.8#

79 20.6 36.2 54.4#

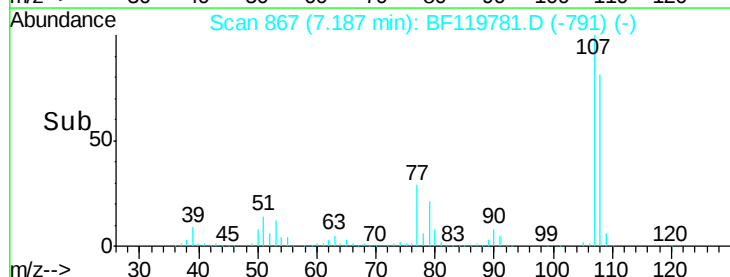
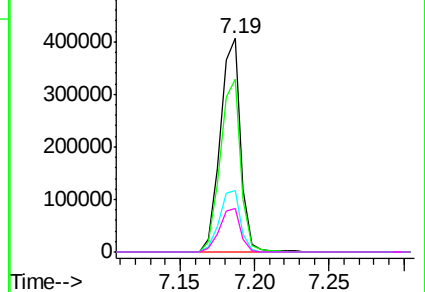


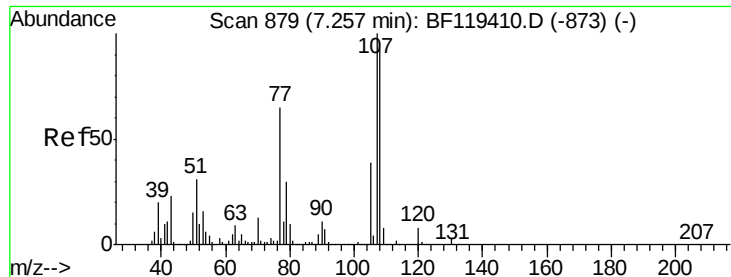
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

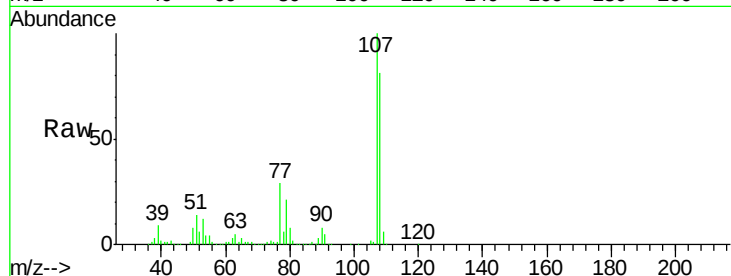




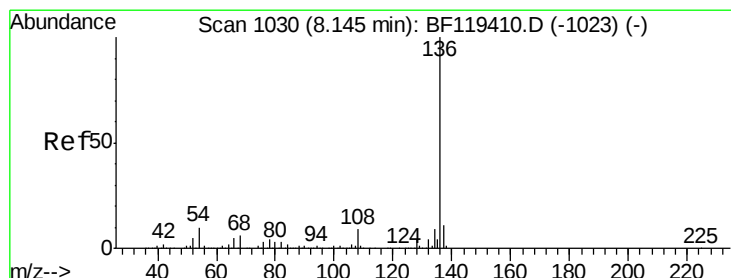
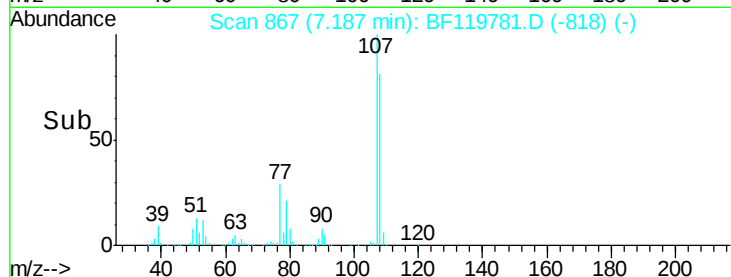
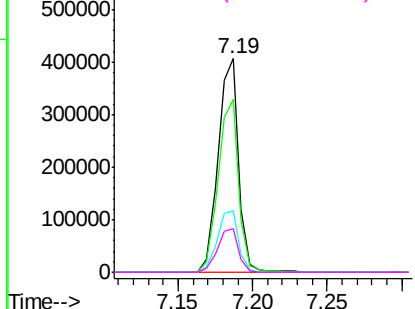
#20  
3+4-Methylphenols  
Concen: 29.45 ng  
RT: 7.19 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Instrument :  
BNA\_F  
ClientSampleId :  
RECLAIM-SYSTEM

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 390459 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 81.0  | 67.9  | 107.9  |
| 77       | 28.9  | 52.9  | 92.9#  |
| 79       | 20.6  | 7.7   | 47.7   |

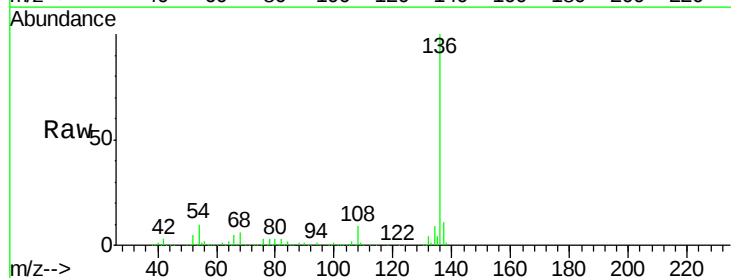


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

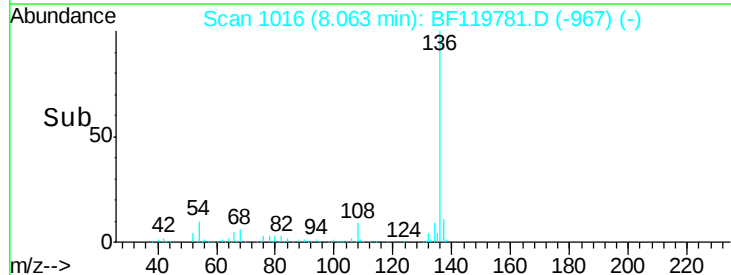
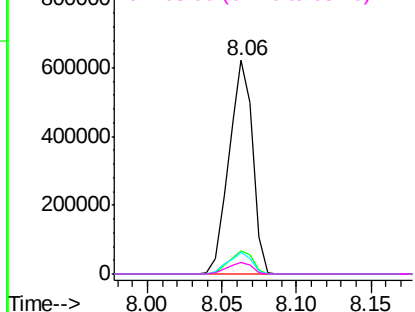


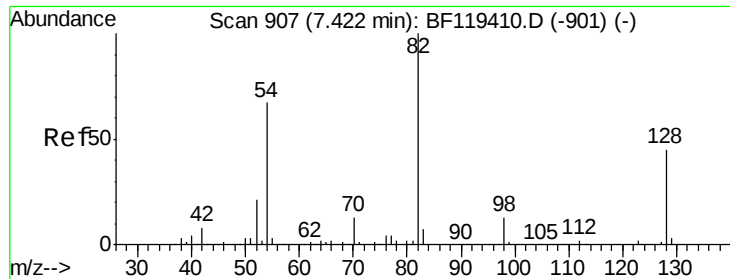
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 693016 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 10.3  | 9.1   | 13.7   |
| 68       | 5.6   | 4.6   | 6.8    |



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

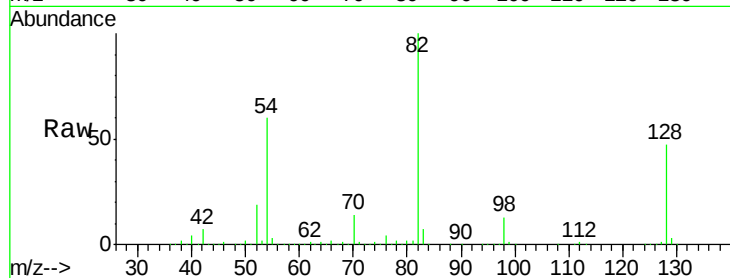




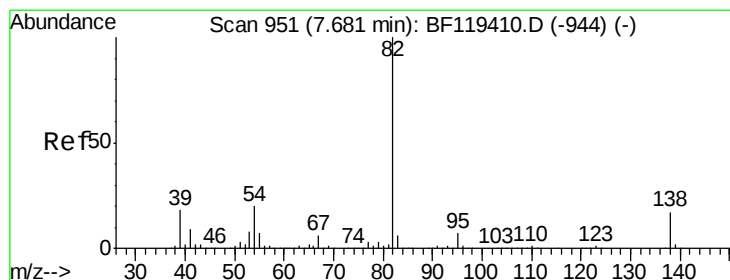
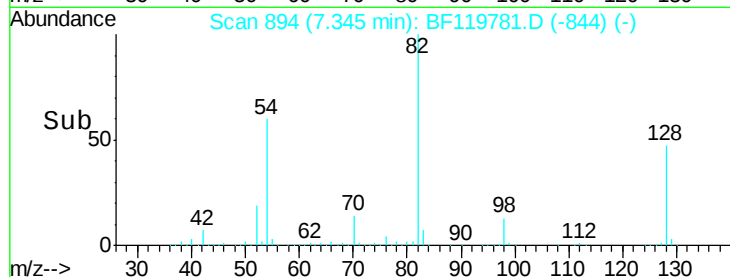
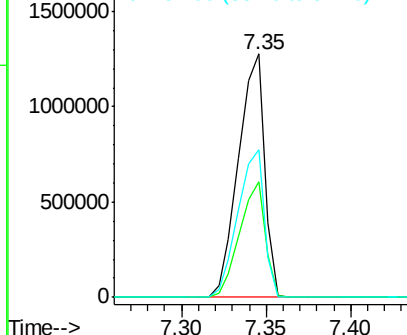
#23  
Nitrobenzene-d5  
Concen: 108.34 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Instrument :  
BNA\_F  
ClientSampleId :  
RECLAIM-SYSTEM

Tgt Ion: 82 Resp: 1381534  
Ion Ratio Lower Upper  
82 100  
128 47.3 36.3 54.5  
54 60.4 50.6 75.8

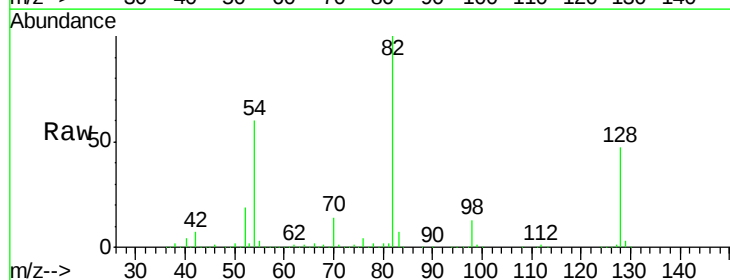


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

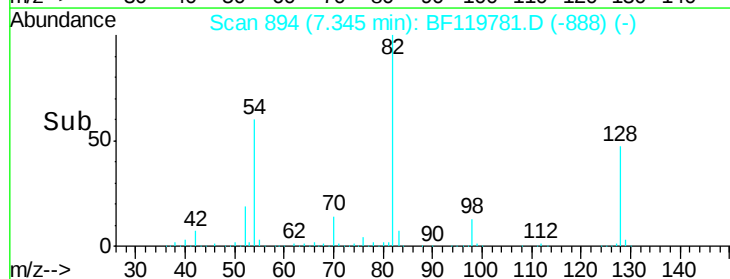
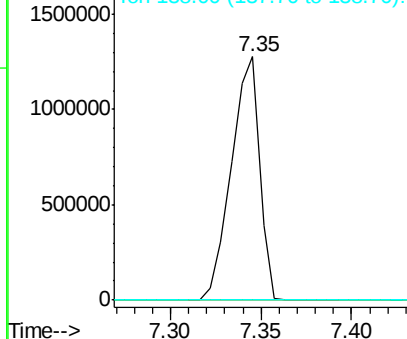


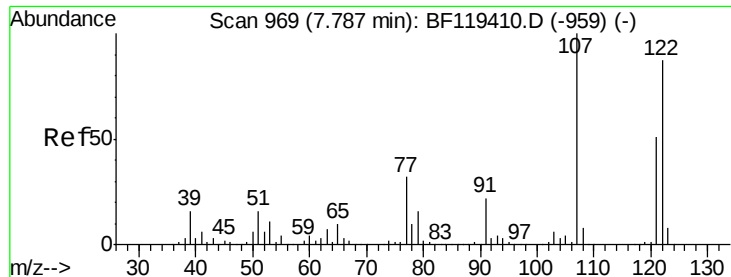
#25  
Isophorone  
Concen: 53.41 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.26 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Tgt Ion: 82 Resp: 1381515  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



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

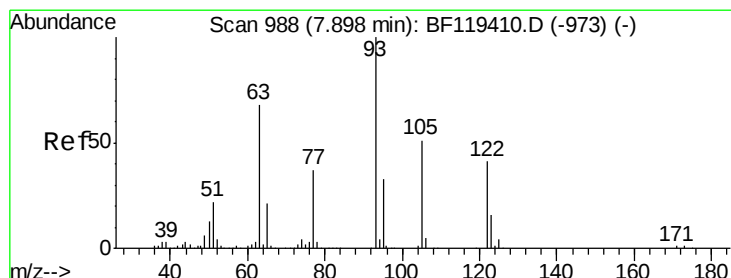
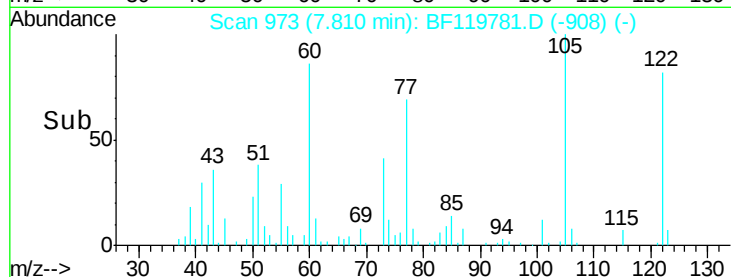
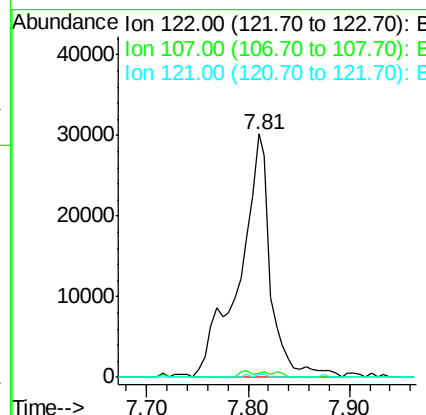
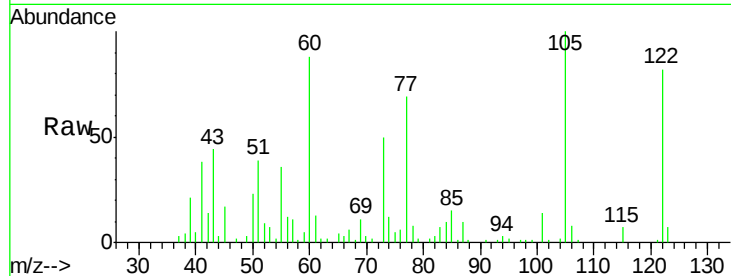




#27  
 2,4-Dimethylphenol  
 Concen: 5.82 ng  
 RT: 7.81 min Scan# 973  
 Delta R.T. 0.08 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

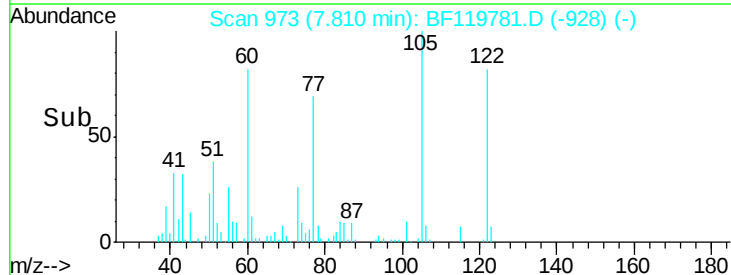
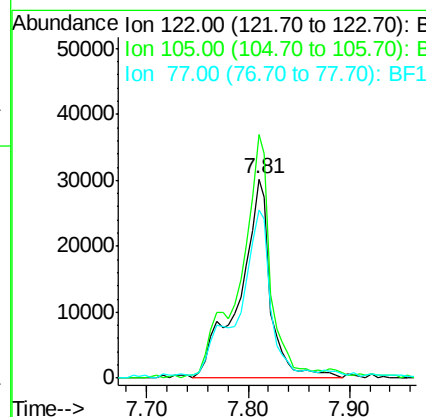
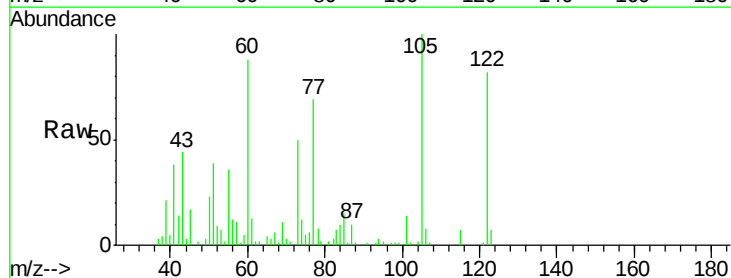
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RECLAIM-SYSTEM

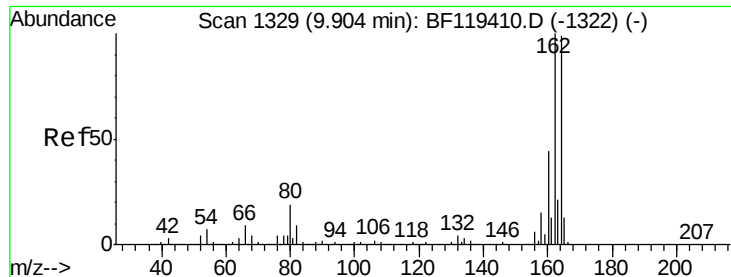
Tgt Ion:122 Resp: 64602  
 Ion Ratio Lower Upper  
 122 100  
 107 1.7 89.0 133.6#  
 121 1.3 46.7 70.1#



#32  
 Benzoic acid  
 Concen: 9.05 ng  
 RT: 7.81 min Scan# 973  
 Delta R.T. -0.04 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Tgt Ion:122 Resp: 64602  
 Ion Ratio Lower Upper  
 122 100  
 105 122.3 104.9 144.9  
 77 84.4 74.4 114.4

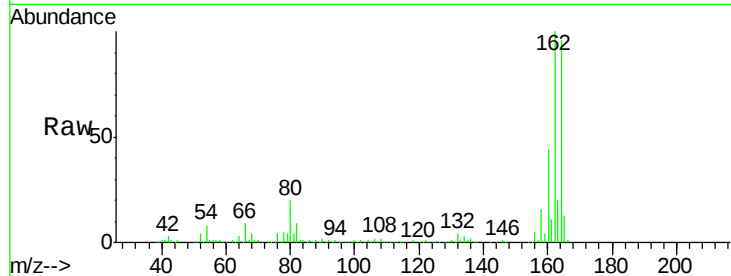




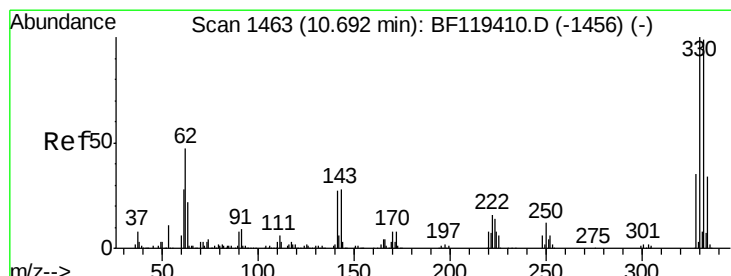
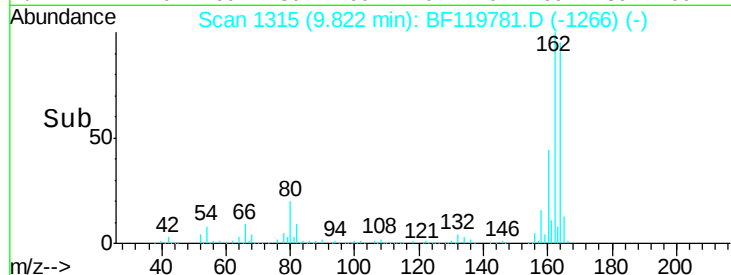
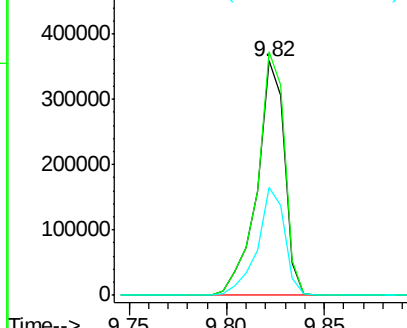
#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Instrument :  
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 ClientSampleId :  
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Tgt Ion:164 Resp: 350933  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 80.6 121.0  
 160 46.1 35.7 53.5

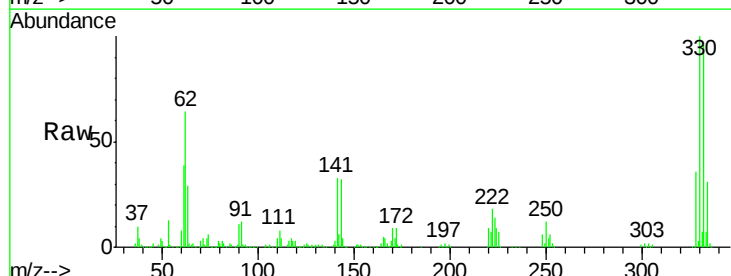


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

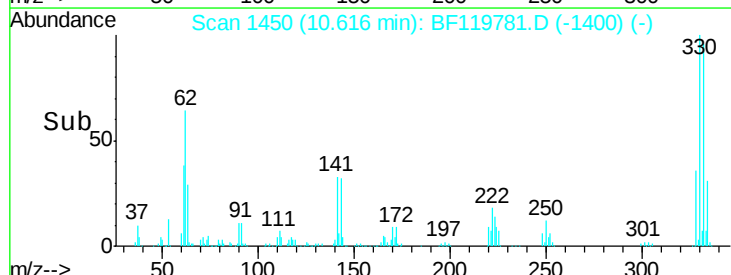
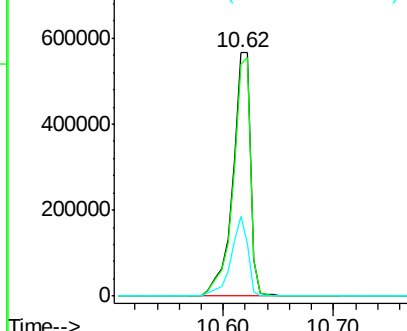


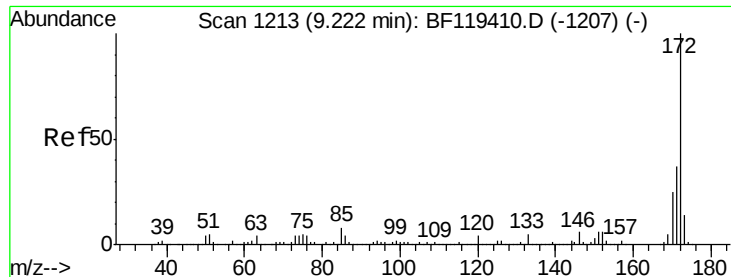
#42  
 2,4,6-Tribromophenol  
 Concen: 176.60 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Tgt Ion:330 Resp: 639369  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 75.7 113.5  
 141 30.9 25.4 38.0



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

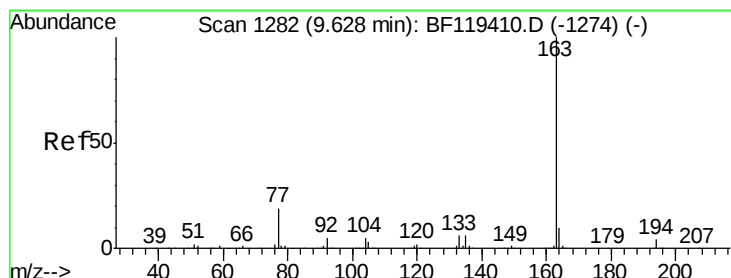
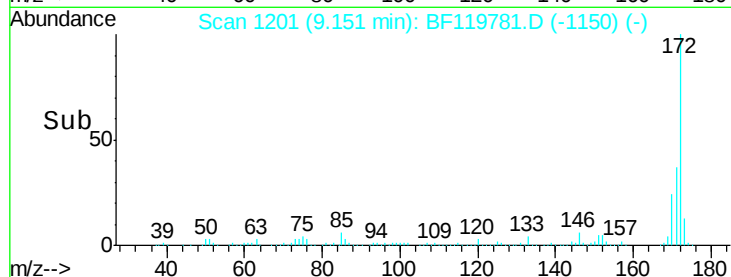
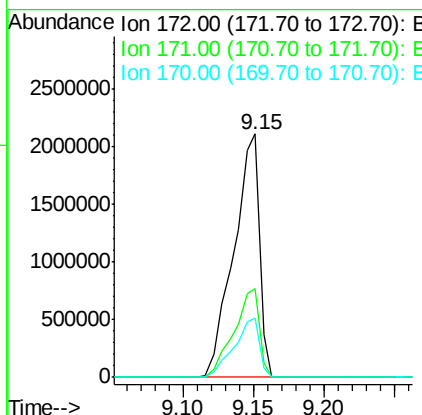
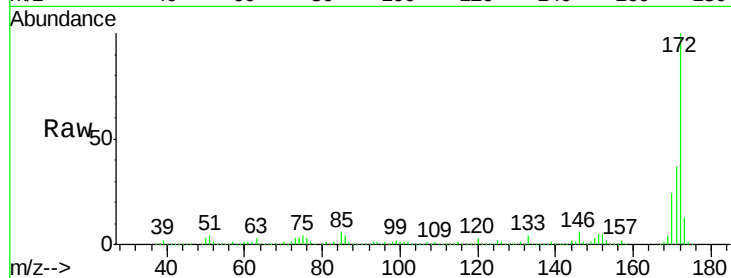




#45  
 2-Fluorobiphenyl  
 Concen: 112.25 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

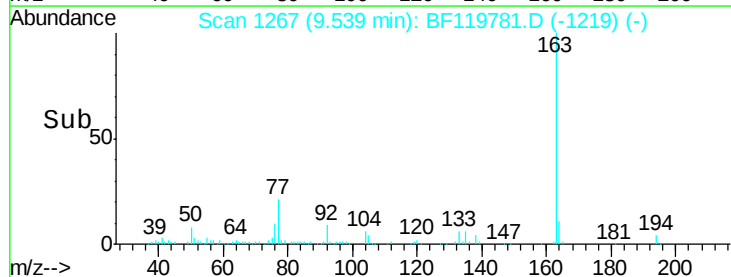
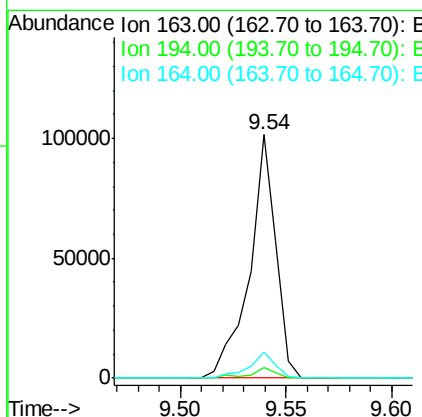
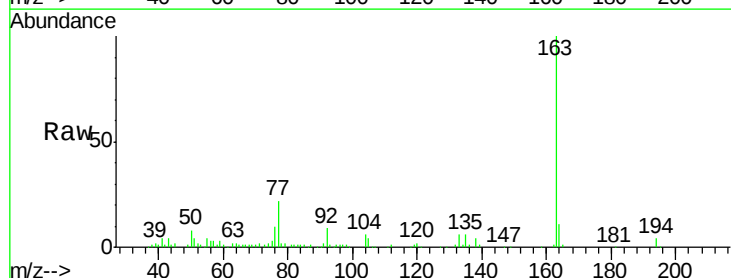
Instrument :  
 BNA\_F  
 ClientSampleId :  
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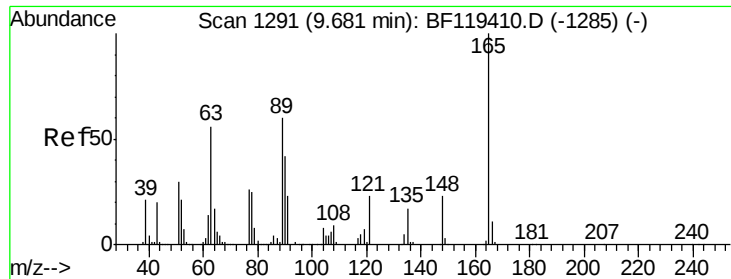
Tgt Ion:172 Resp: 2658957  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.6 44.4  
 170 24.4 20.2 30.2



#50  
 Dimethylphthalate  
 Concen: 3.54 ng  
 RT: 9.54 min Scan# 1267  
 Delta R.T. -0.02 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Tgt Ion:163 Resp: 88288  
 Ion Ratio Lower Upper  
 163 100  
 194 4.3 3.1 4.7  
 164 10.7 8.2 12.2

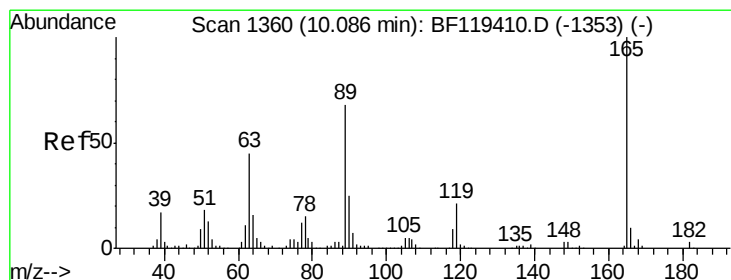
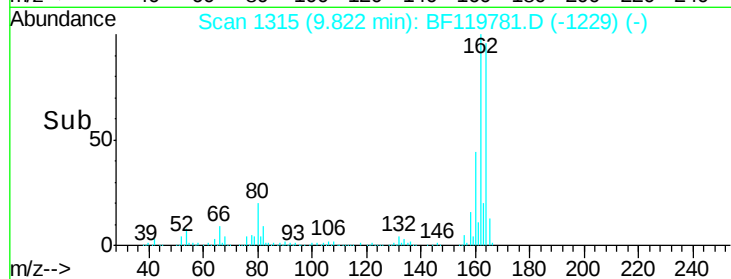
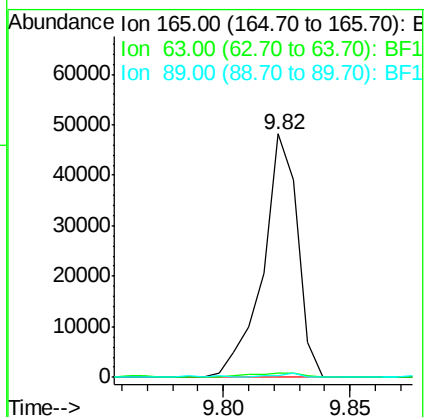
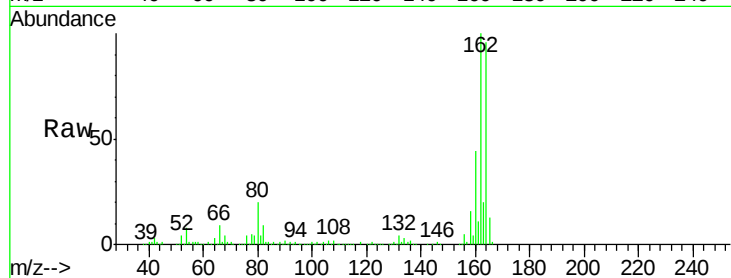




#51  
 2,6-Dinitrotoluene  
 Concen: 8.63 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. 0.21 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

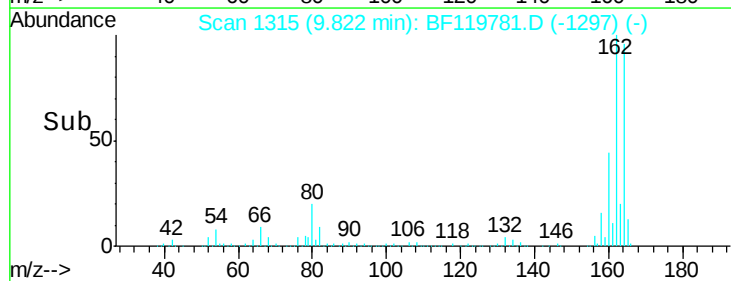
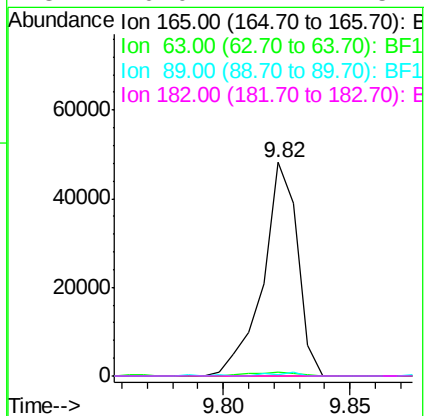
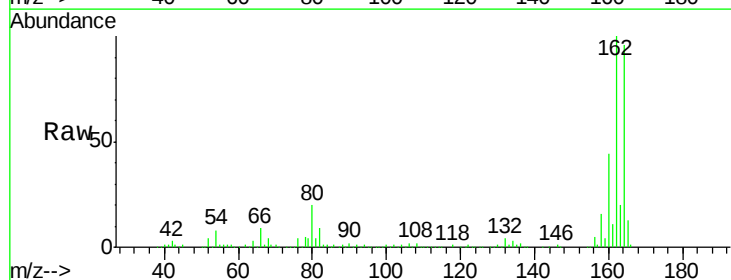
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RECLAIM-SYSTEM

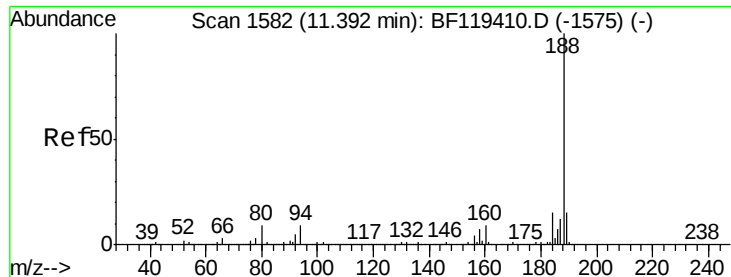
Tgt Ion:165 Resp: 46118  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 45.0 67.4#  
 89 0.7 41.5 62.3#



#57  
 2,4-Dinitrotoluene  
 Concen: 6.85 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.19 min  
 Lab File: BF119781.D  
 Acq: 6 Apr 2020 20:22

Tgt Ion:165 Resp: 46118  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 42.6 64.0#  
 89 0.7 61.0 91.4#  
 182 0.0 2.2 3.2#

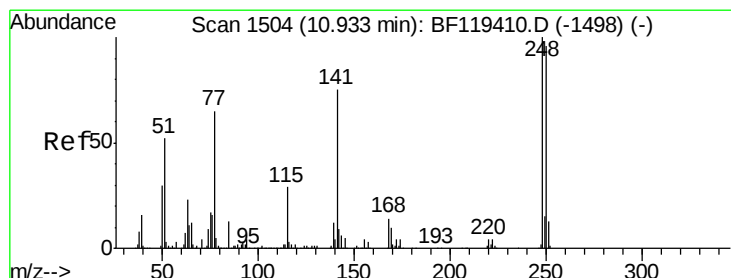
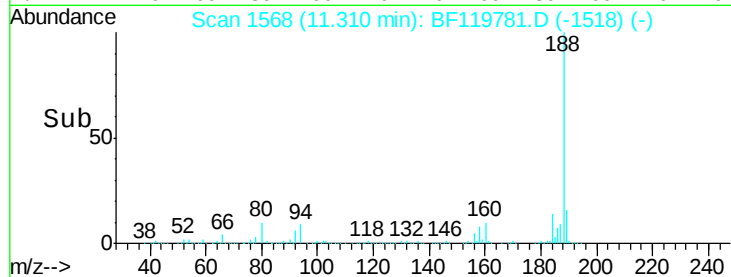
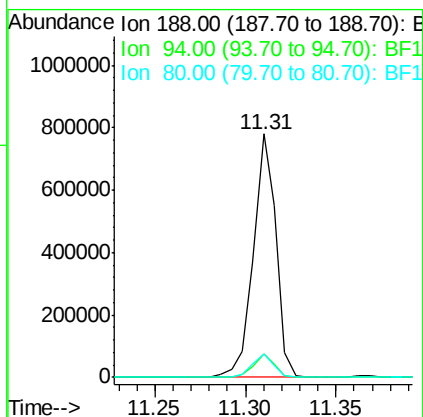
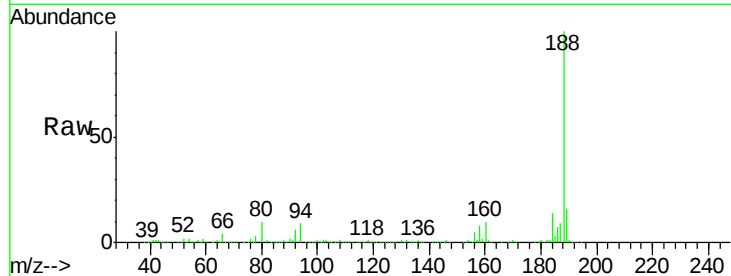




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

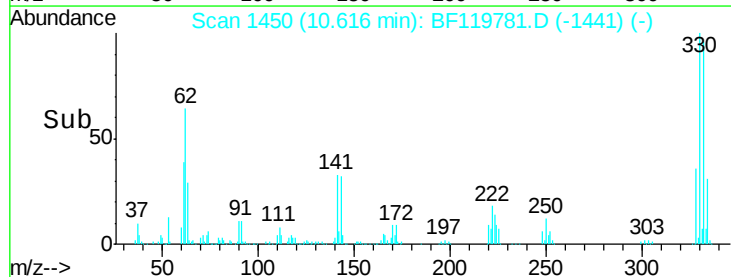
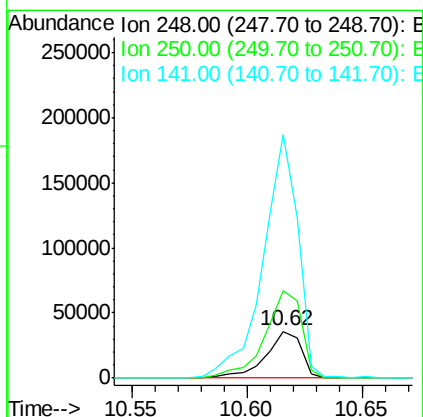
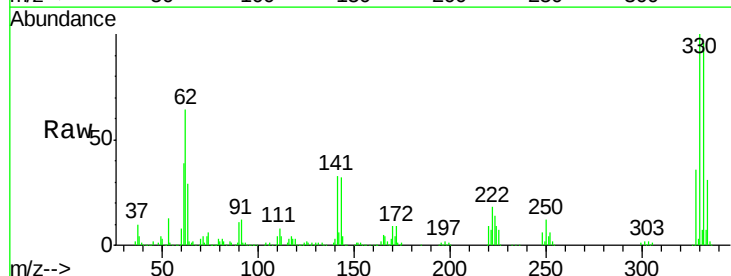
Instrument :  
BNA\_F  
ClientSampleId :  
RECLAIM-SYSTEM

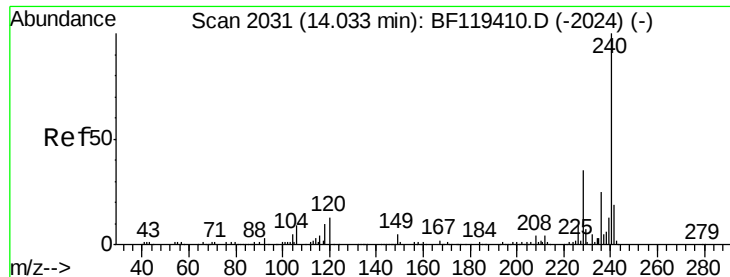
Tgt Ion:188 Resp: 672176  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.5 11.3  
80 9.8 9.0 13.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.99 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.25 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Tgt Ion:248 Resp: 38170  
Ion Ratio Lower Upper  
248 100  
250 187.4 77.3 115.9#  
141 521.1 58.6 87.8#

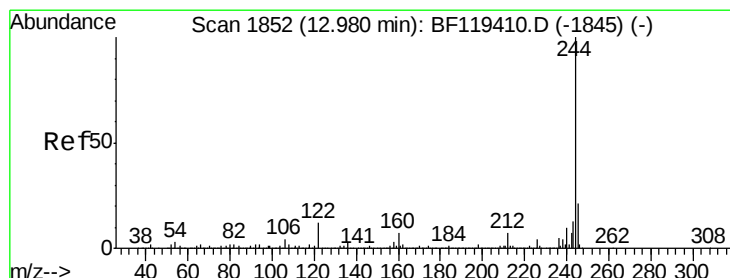
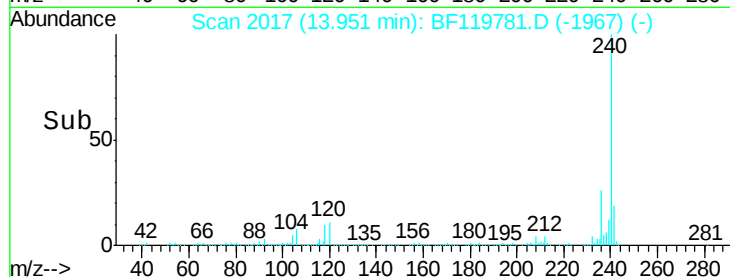
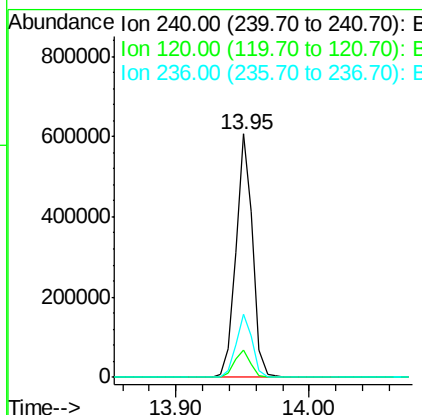
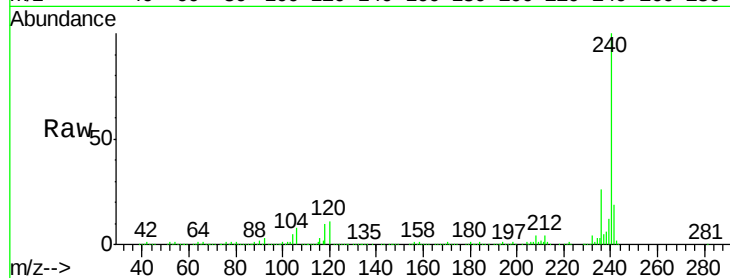




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

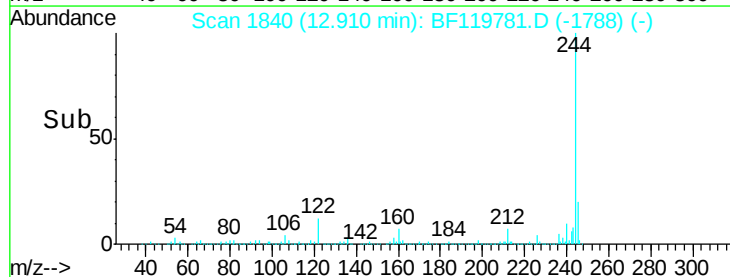
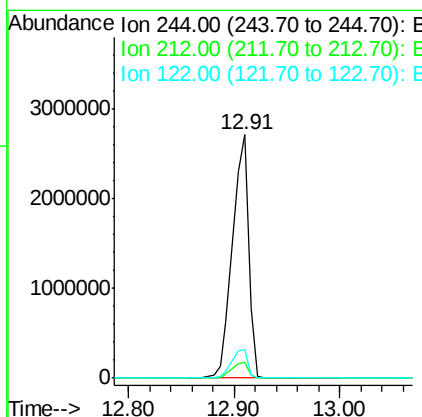
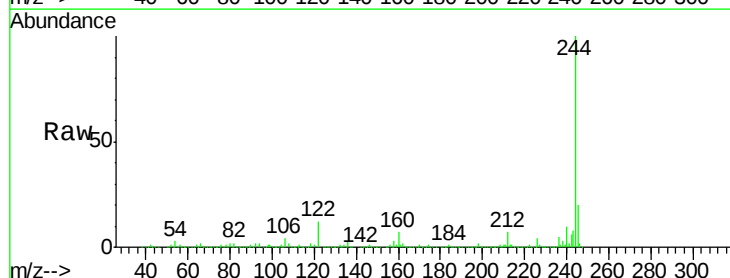
Instrument :  
BNA\_F  
ClientSampleId :  
RECLAIM-SYSTEM

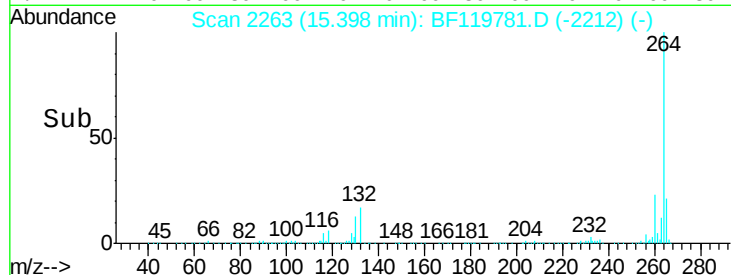
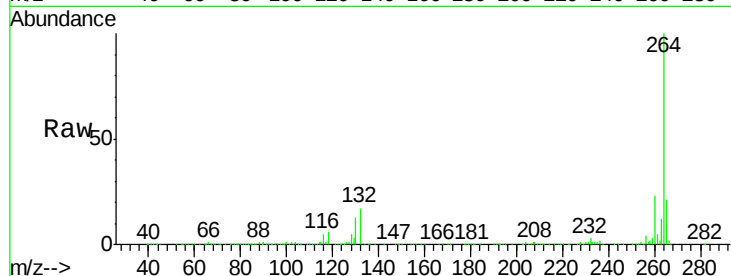
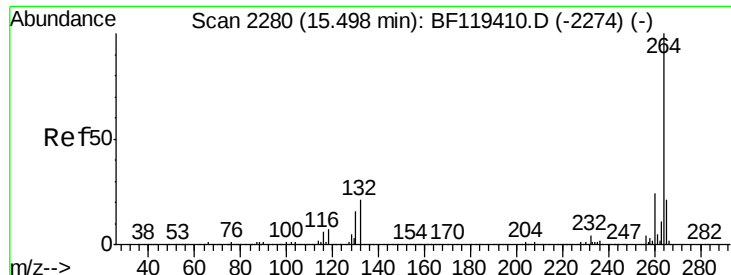
Tgt Ion:240 Resp: 526288  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.6 15.8  
236 25.7 20.2 30.2



#79  
Terphenyl-d14  
Concen: 106.04 ng  
RT: 12.91 min Scan# 1840  
Delta R.T. 0.01 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Tgt Ion:244 Resp: 2848400  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.8 8.8  
122 11.7 10.3 15.5





#87  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: BF119781.D  
Acq: 6 Apr 2020 20:22

Instrument :  
BNA\_F  
ClientSampleId :  
RECLAIM-SYSTEM

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 518030 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.0  | 18.7  | 28.1   |
| 265      | 21.3  | 17.7  | 26.5   |

