

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021519\  
 Data File : BF112591.D  
 Acq On : 15 Feb 2019 20:59  
 Operator : JU/SJ  
 Sample : K1346-15 2X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Quant Time: Feb 15 23:45:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

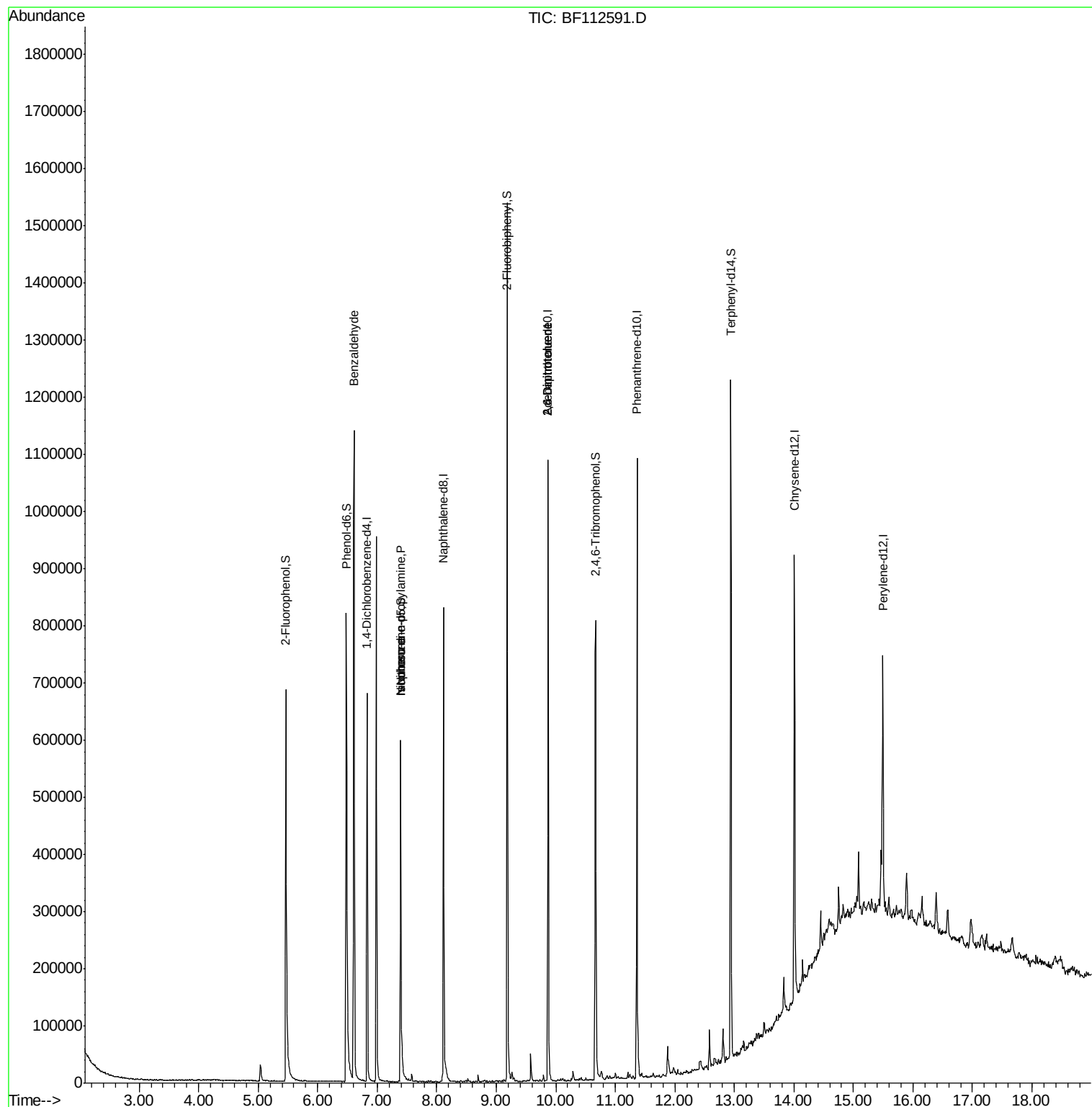
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 107544   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.12  | 136  | 437447   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.87  | 164  | 221258   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.36 | 188  | 393237   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 252222   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.49 | 264  | 211312   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 271210   | 53.57  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.48  | 99   | 355347   | 50.51  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 227471   | 29.96  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 118360   | 45.96  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 468412   | 29.94  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.94 | 244  | 373263   | 27.87  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.61  | 77   | 7529     | 2.047  | ng    | 81       |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 29623    | 6.106  | ng    | # 80     |
| 25) Isophorone                 | 7.39  | 82   | 227469   | 19.099 | ng    | # 63     |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 28235    | 7.334  | ng    | # 34     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 28235    | 5.761  | ng    | # 31     |

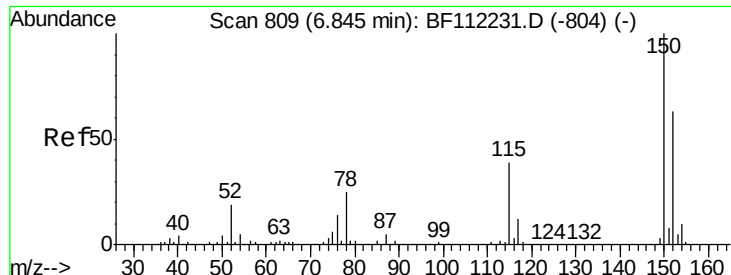
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021519\  
Data File : BF112591.D  
Acq On : 15 Feb 2019 20:59  
Operator : JU/SJ  
Sample : K1346-15 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Quant Time: Feb 15 23:45:59 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 28 10:38:18 2019  
Response via : Initial Calibration



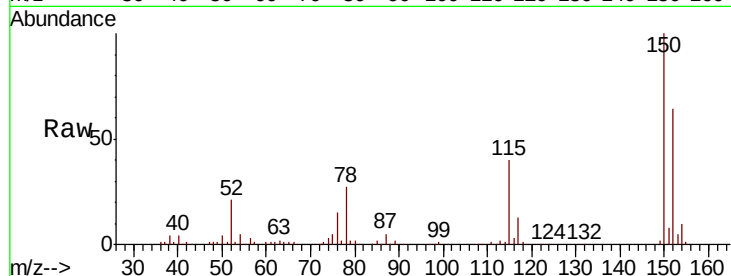


#1

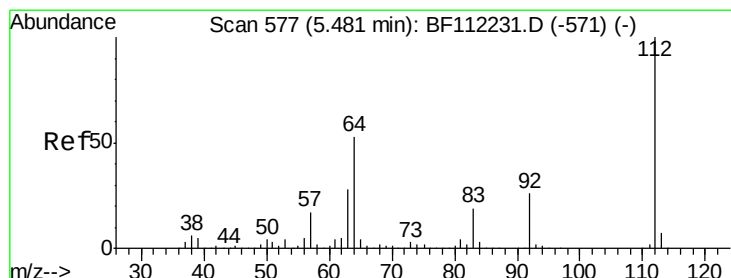
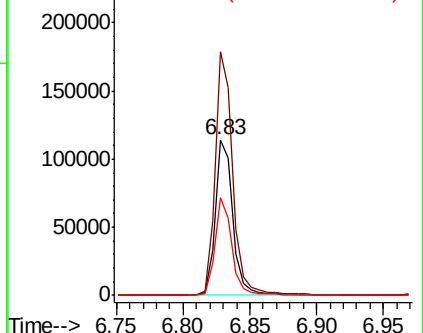
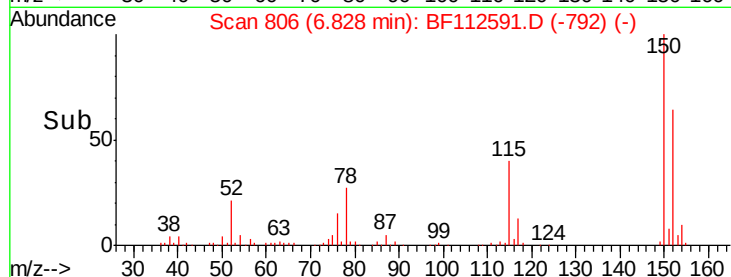
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. -0.02 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Tgt Ion:152 Resp: 107544  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 127.4 191.0  
 115 62.8 45.5 68.3



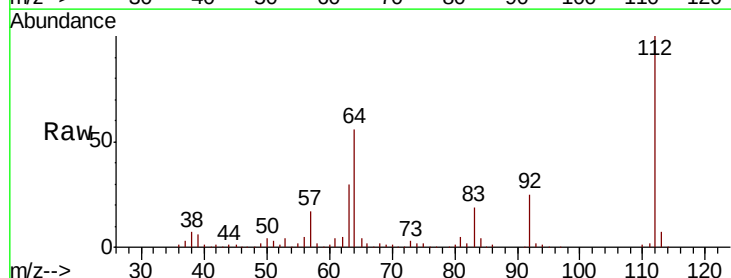
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



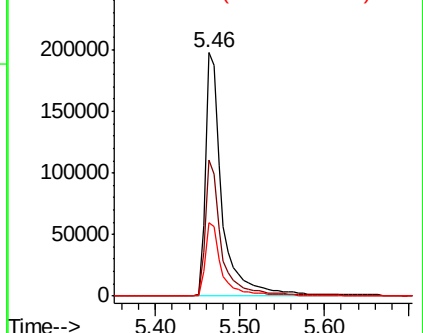
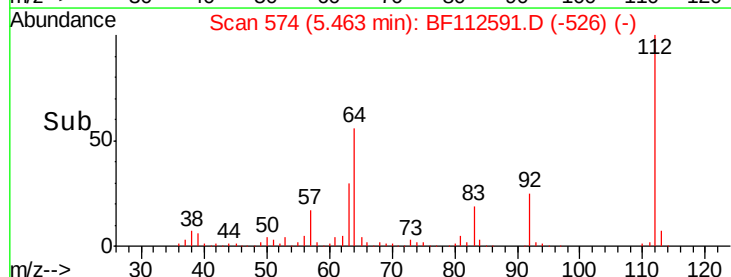
#5

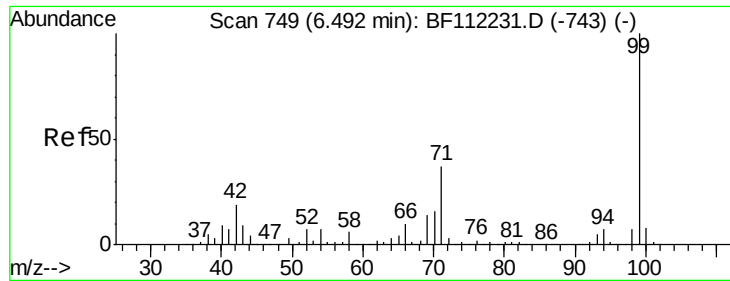
2-Fluorophenol  
 Concen: 53.566 ng  
 RT: 5.46 min Scan# 574  
 Delta R.T. -0.02 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Tgt Ion:112 Resp: 271210  
 Ion Ratio Lower Upper  
 112 100  
 64 56.1 45.7 68.5  
 63 30.2 23.6 35.4



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: 50.508 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

Instrument :

BNA\_F

ClientSampleId :

CL-01-021419-E

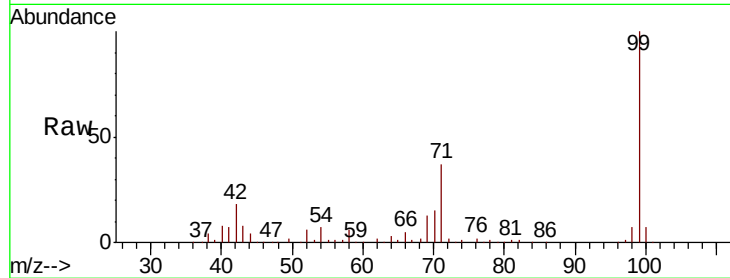
Tgt Ion: 99 Resp: 355347

Ion Ratio Lower Upper

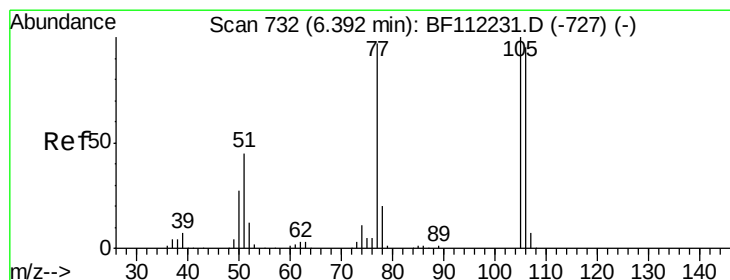
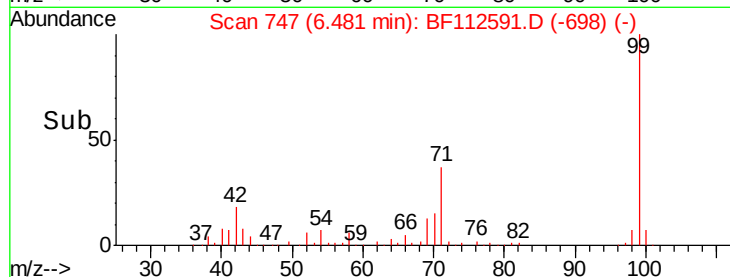
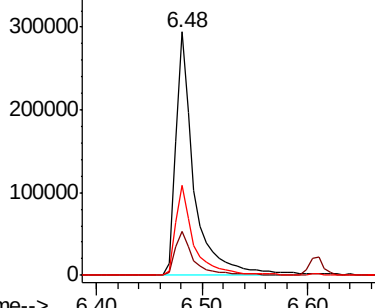
99 100

42 18.3 15.1 22.7

71 36.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 2.047 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

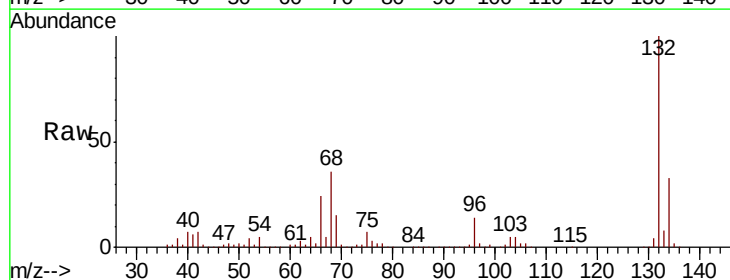
Tgt Ion: 77 Resp: 7529

Ion Ratio Lower Upper

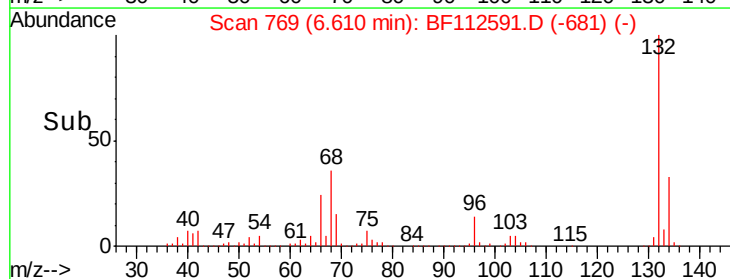
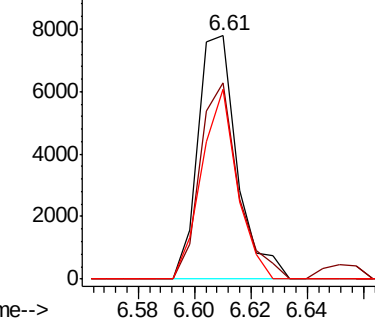
77 100

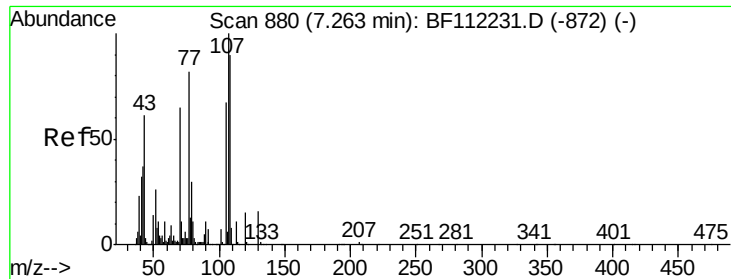
105 80.9 80.8 120.8

106 77.9 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E

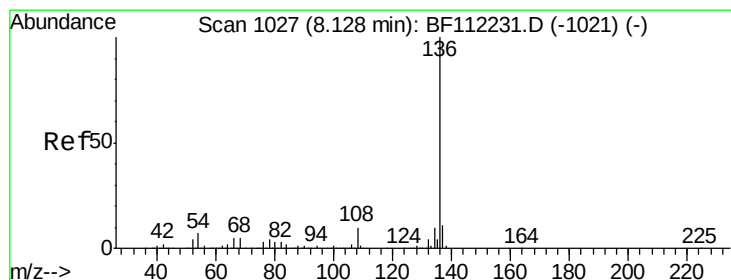
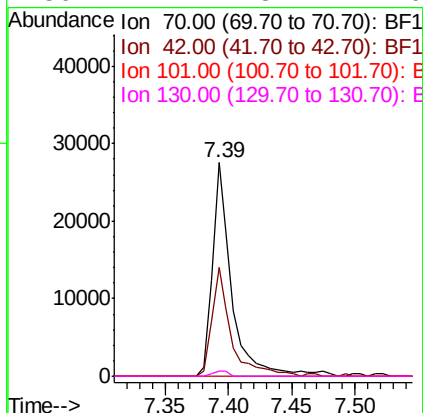
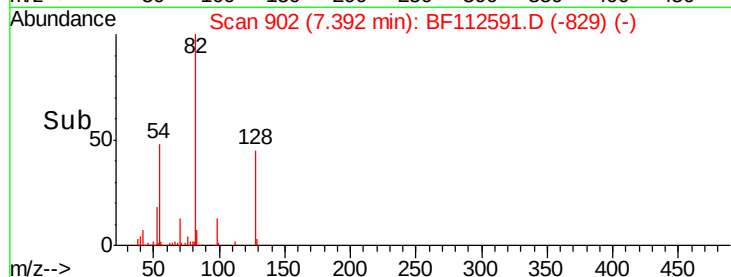
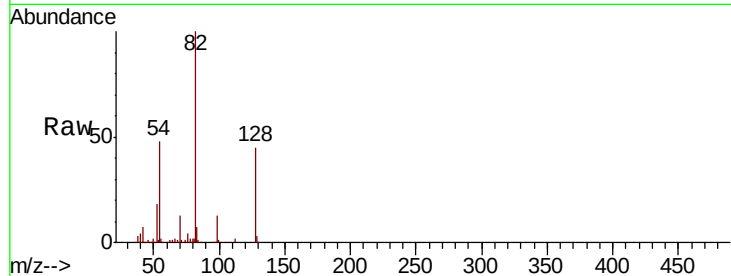




#19  
n-Nitroso-di-n-propylamine  
Concen: 6.106 ng  
RT: 7.39 min Scan# 902  
Delta R.T. 0.13 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

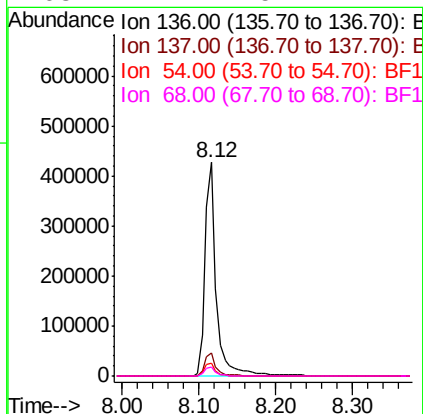
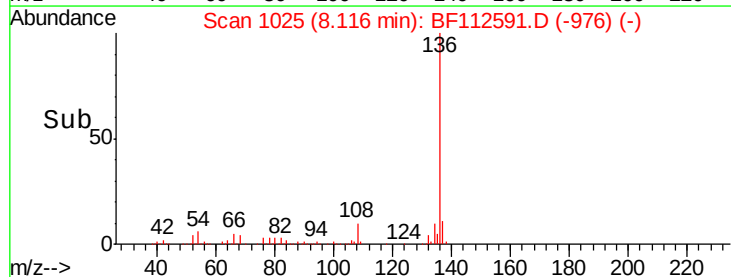
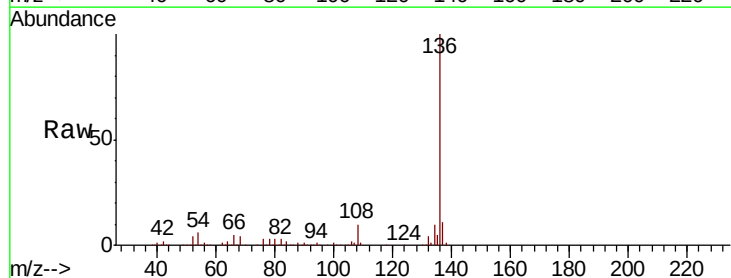
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

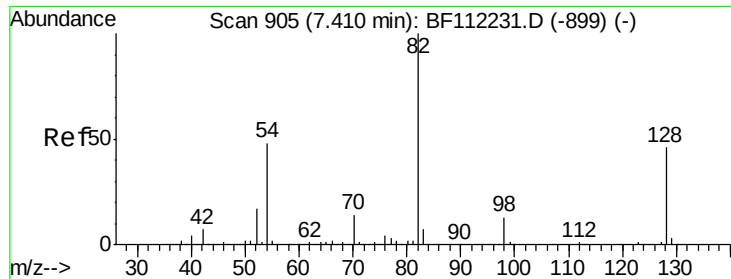
Tgt Ion: 70 Resp: 29623  
Ion Ratio Lower Upper  
70 100  
42 51.2 47.6 71.4  
101 0.0 7.9 11.9#  
130 2.7 18.4 27.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Tgt Ion: 136 Resp: 437447  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 6.1 5.9 8.9  
68 4.1 5.1 7.7#

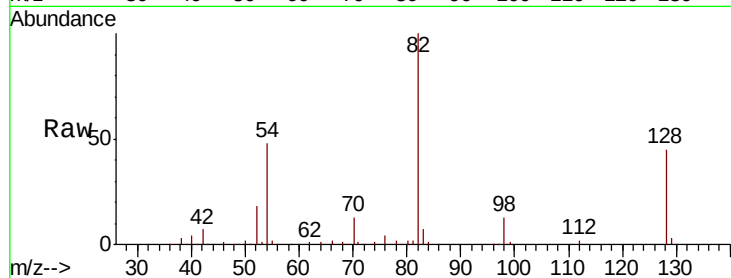




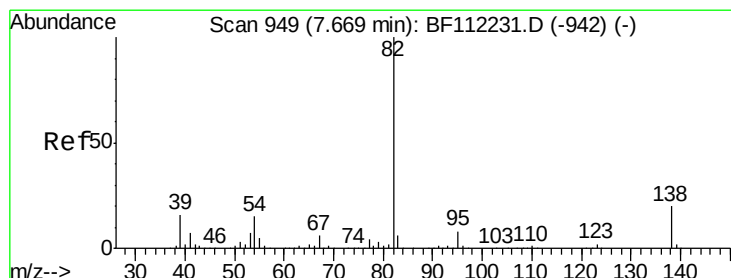
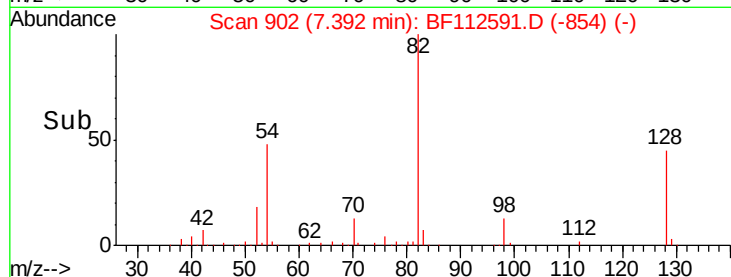
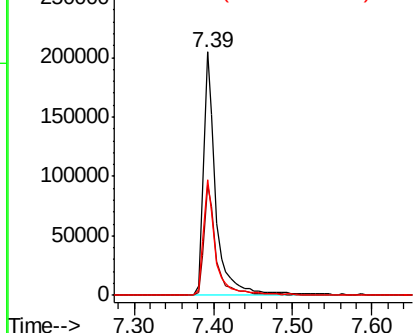
#23  
 Nitrobenzene-d5  
 Concen: 29.962 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.02 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Tgt Ion: 82 Resp: 227471  
 Ion Ratio Lower Upper  
 82 100  
 128 45.2 37.8 56.8  
 54 47.7 39.7 59.5

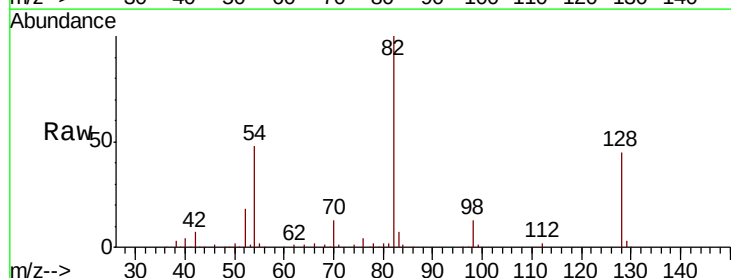


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

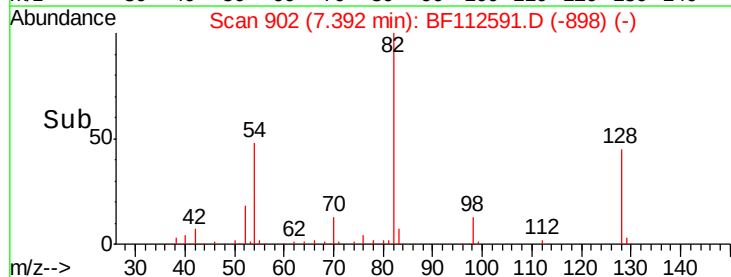
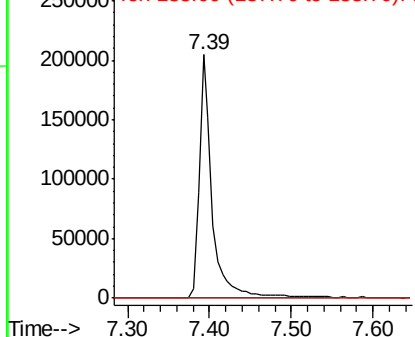


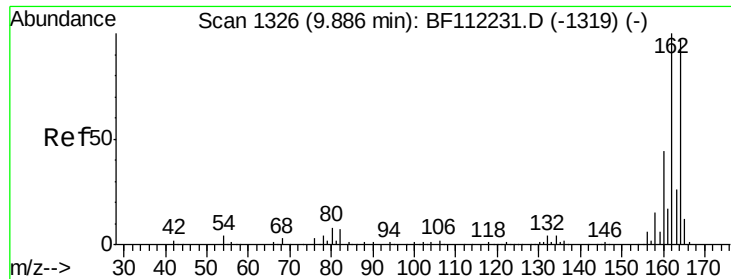
#25  
 Isophorone  
 Concen: 19.099 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.28 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Tgt Ion: 82 Resp: 227469  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 15.4 23.0#



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

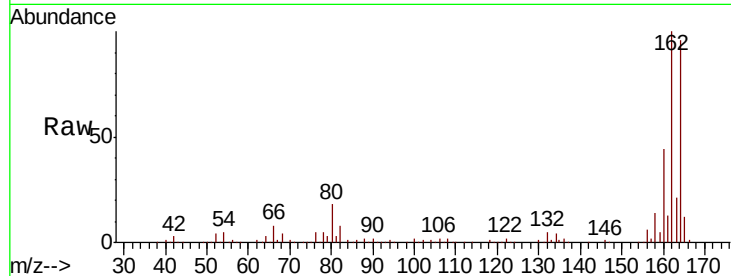




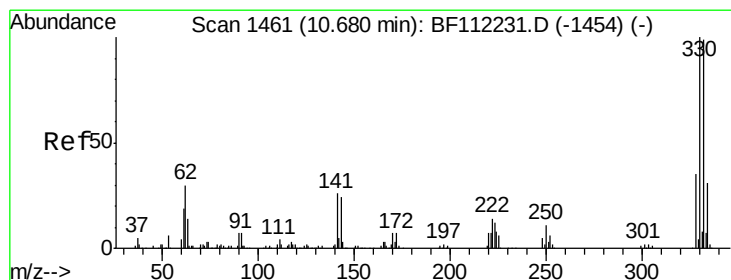
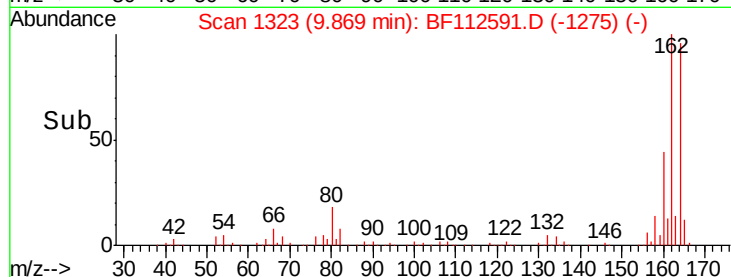
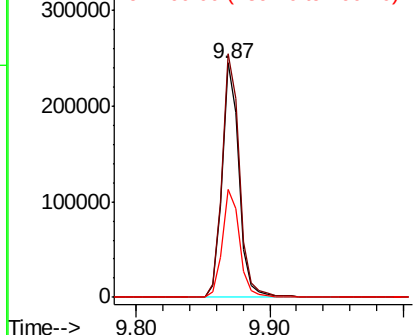
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Tgt Ion:164 Resp: 221258  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.2 123.4  
160 46.0 36.2 54.4

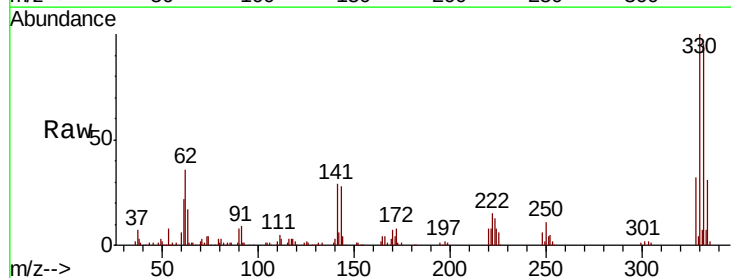


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

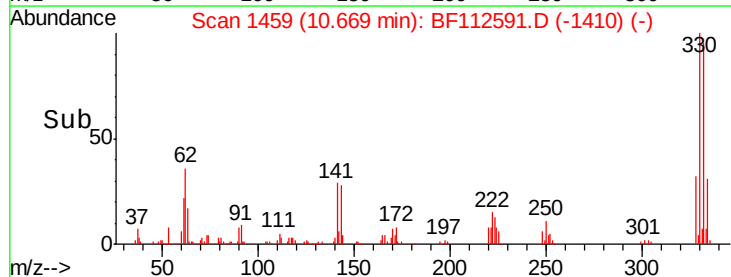
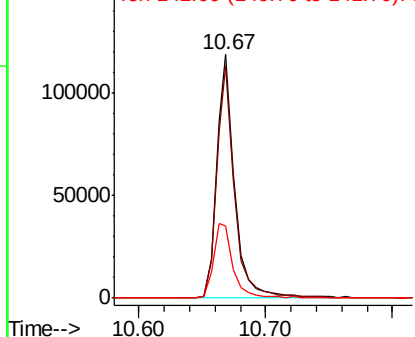


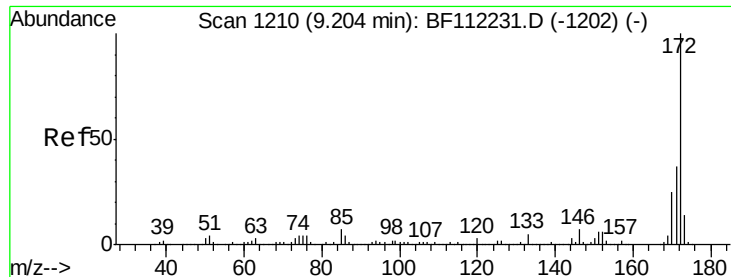
#42  
2,4,6-Tribromophenol  
Concen: 45.958 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. -0.01 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Tgt Ion:330 Resp: 118360  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.6 114.8  
141 33.8 24.3 36.5



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

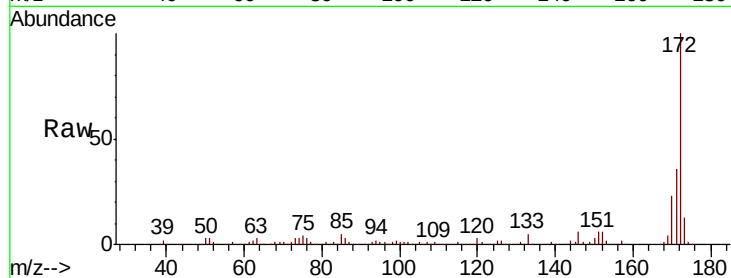




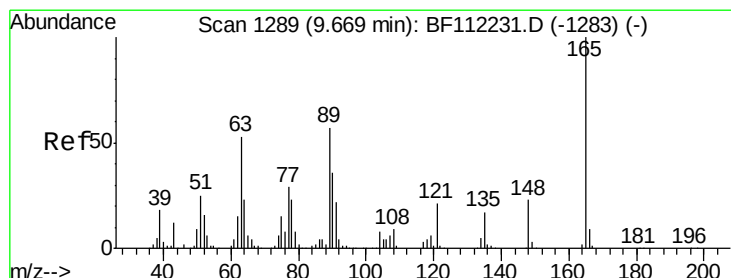
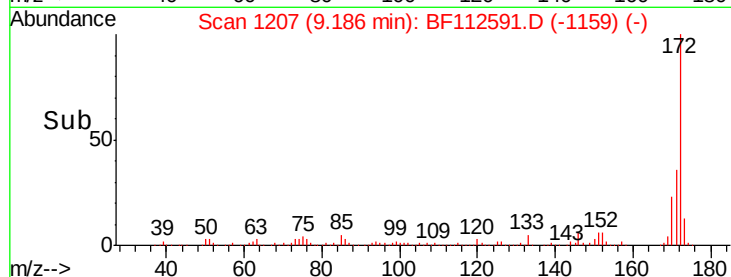
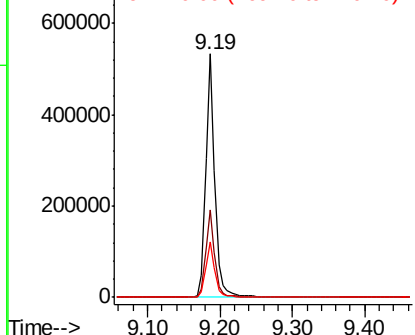
#45  
 2-Fluorobiphenyl  
 Concen: 29.942 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.02 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Tgt Ion:172 Resp: 468412  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 30.5 45.7  
 170 22.9 20.2 30.4

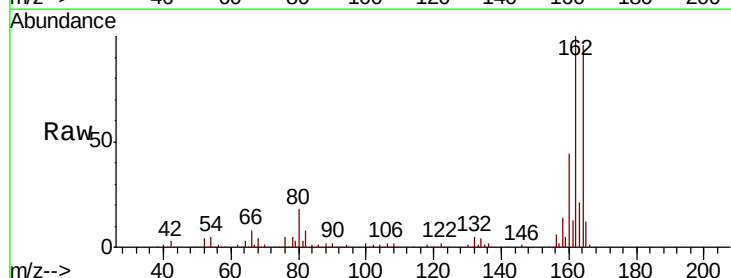


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

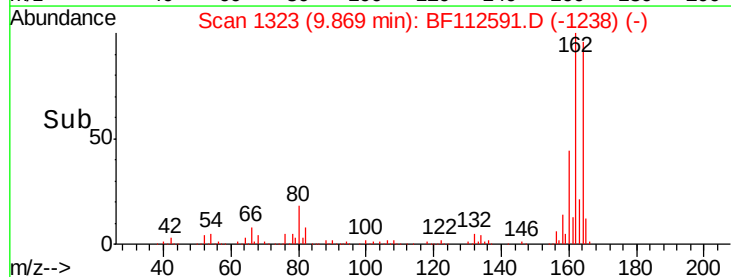
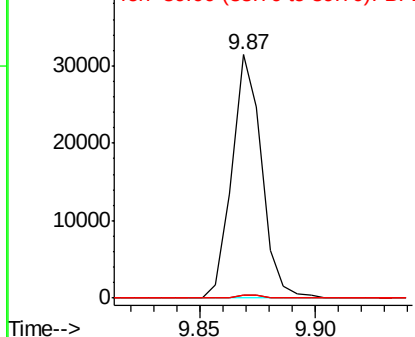


#51  
 2,6-Dinitrotoluene  
 Concen: 7.334 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. 0.20 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

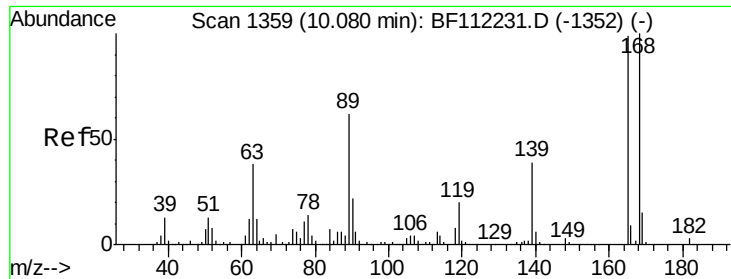
Tgt Ion:165 Resp: 28235  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 33.8 50.8#  
 89 1.3 36.9 55.3#



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



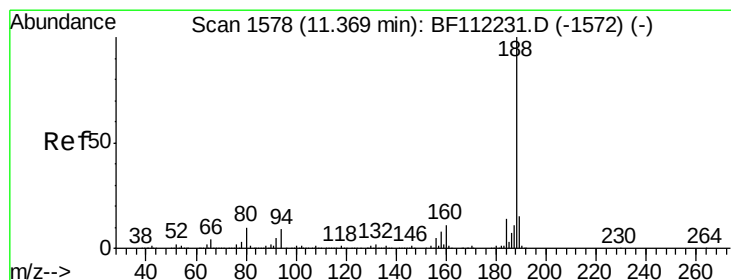
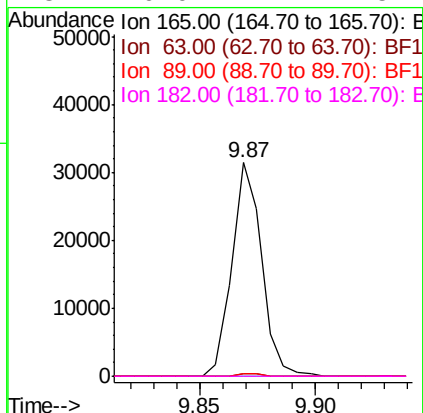
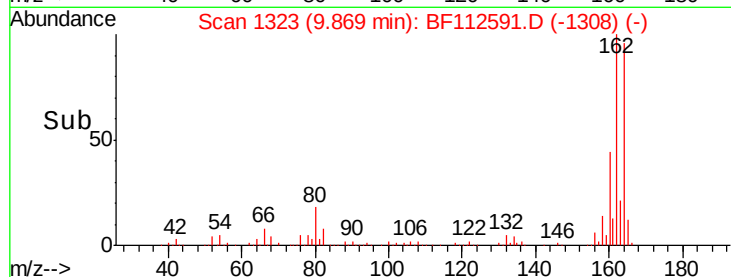
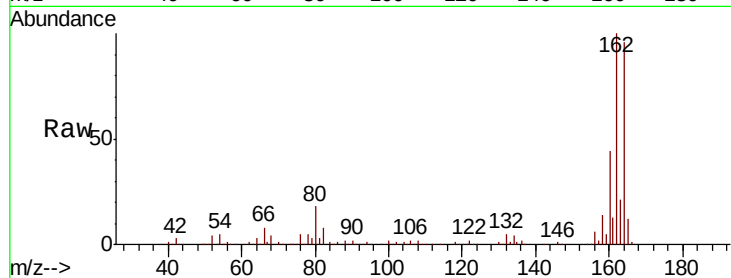




#57  
 2,4-Dinitrotoluene  
 Concen: 5.761 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.21 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

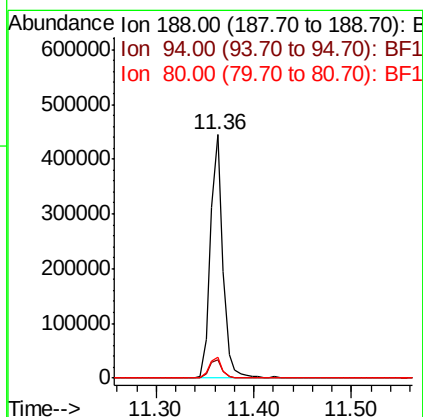
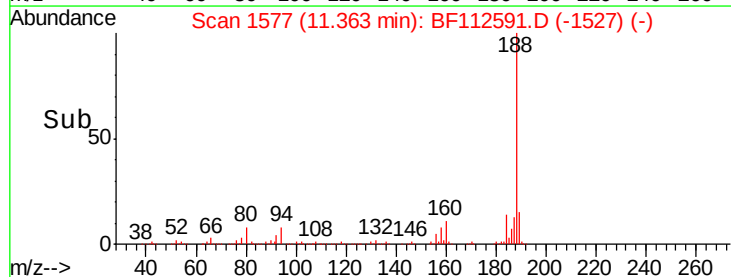
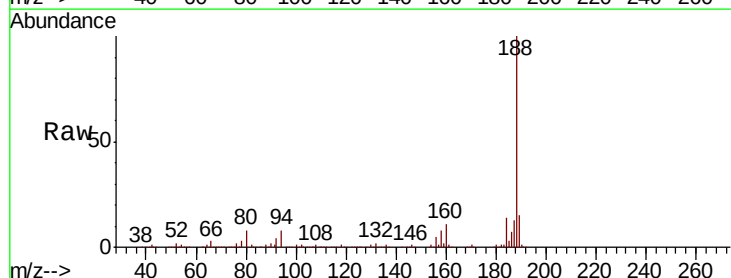
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

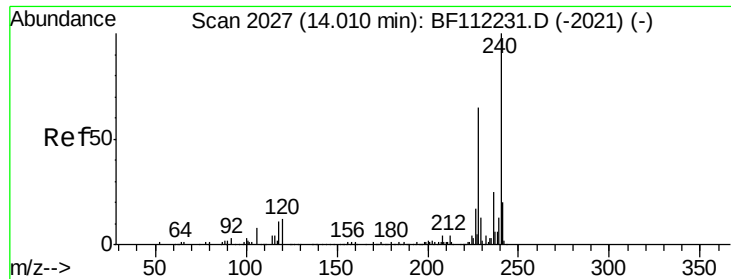
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 28235 |       |       |
| 63      | 1.3   | 27.9  | 41.9# |       |
| 89      | 1.3   | 47.9  | 71.9# |       |
| 182     | 0.0   | 2.2   | 3.4#  |       |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 393237 |       |       |
| 94      | 7.7   | 8.2    | 12.2# |       |
| 80      | 8.3   | 8.9    | 13.3# |       |

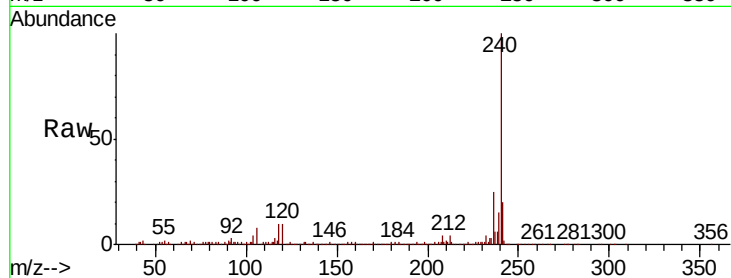




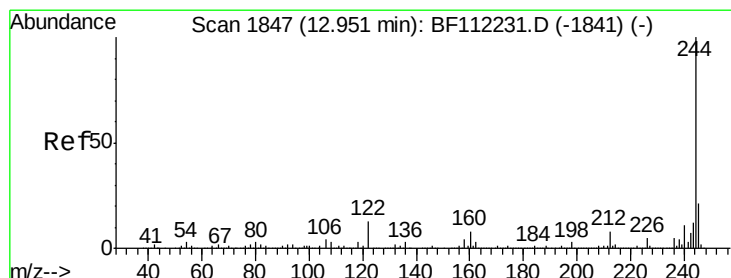
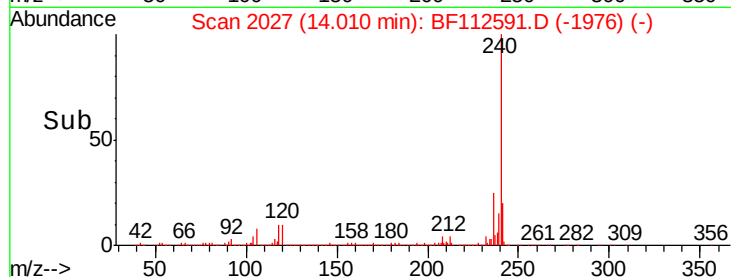
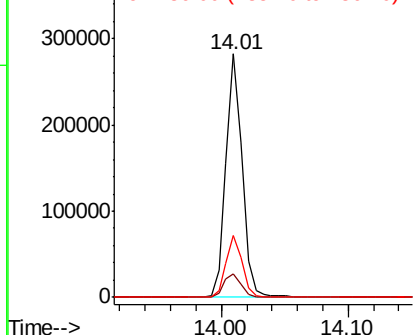
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Tgt Ion:240 Resp: 252222  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.0 13.6  
236 25.2 20.7 31.1

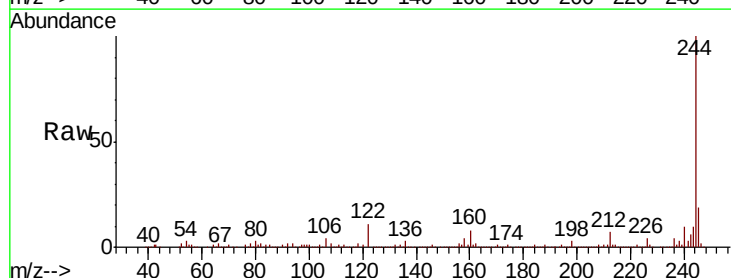


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

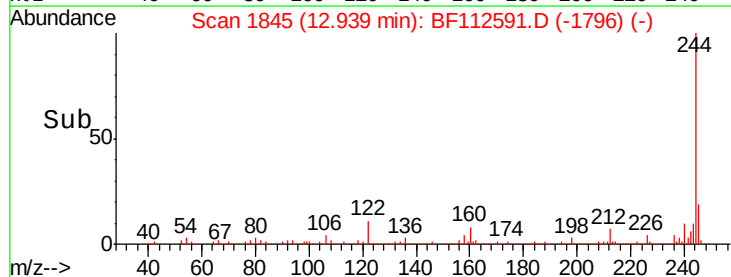
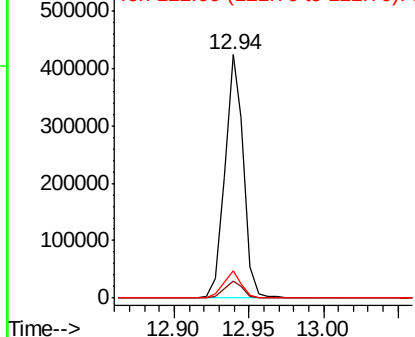


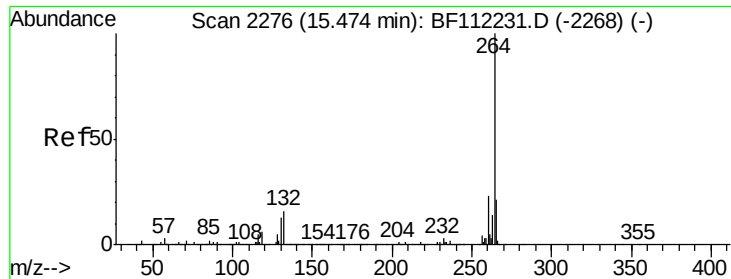
#79  
Terphenyl-d14  
Concen: 27.873 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Tgt Ion:244 Resp: 373263  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 11.3 9.8 14.6



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

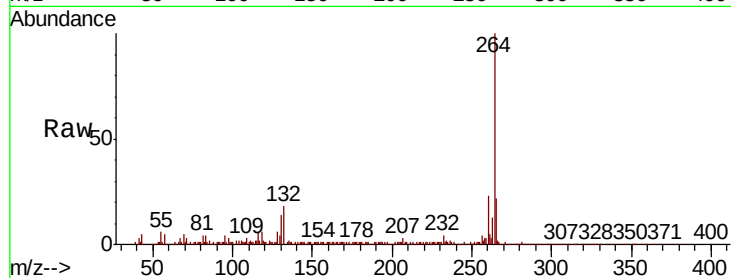




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.02 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.2  | 27.2  |
| 265     | 22.1  | 17.0  | 25.4  |



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

