

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\  
 Data File : BF119215.D  
 Acq On : 5 Mar 2020 15:35  
 Operator : CG/JU  
 Sample : PB127235BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 06 06:26:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

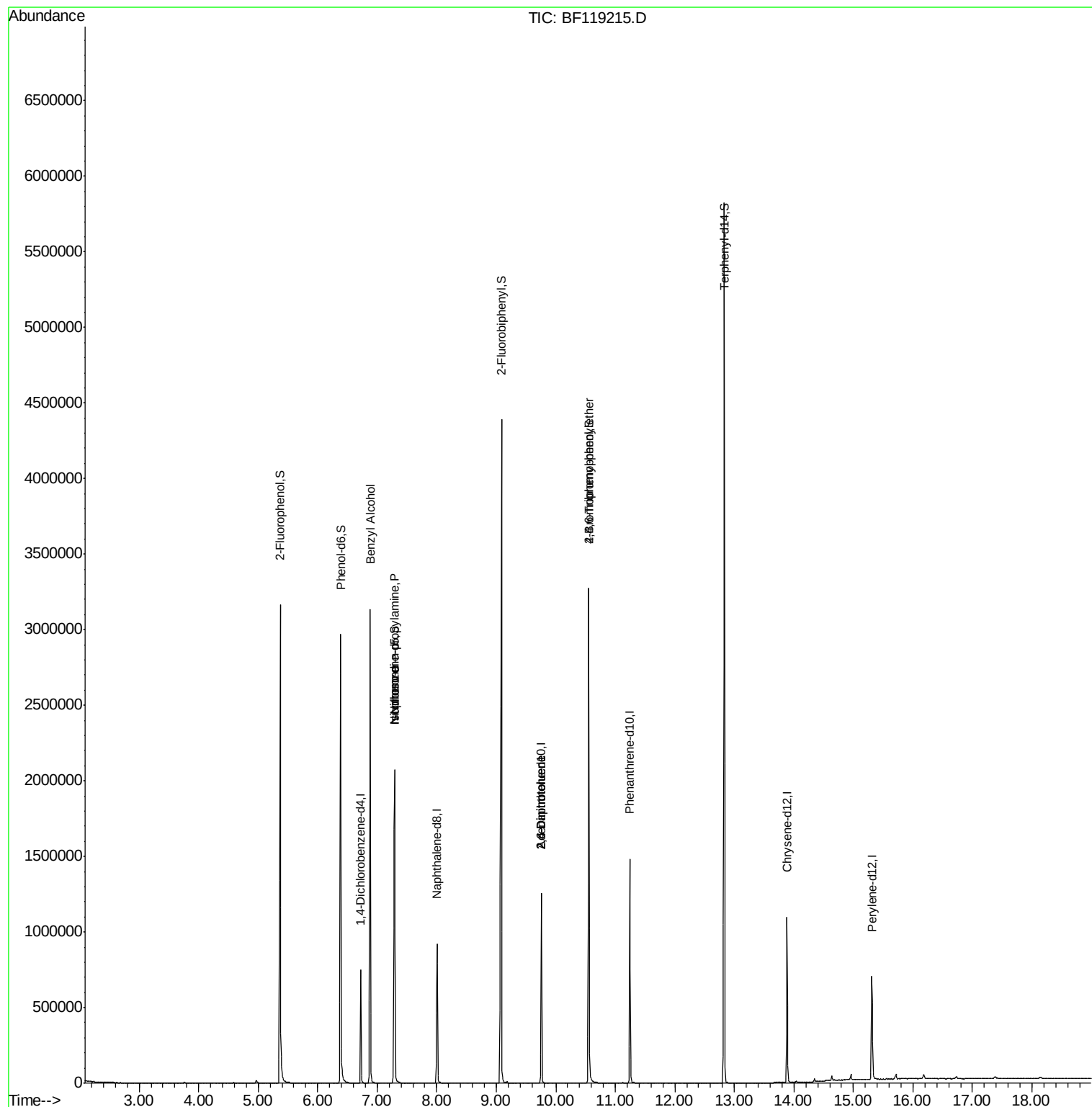
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 127040   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.00  | 136  | 493659   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 9.76  | 164  | 285795   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10           | 11.24 | 188  | 561791   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.89 | 240  | 390662   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.31 | 264  | 317335   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 1020883  | 134.29 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.39  | 99   | 1235402  | 133.63 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 830048   | 88.78  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 10.56 | 330  | 474885   | 127.02 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.09  | 172  | 1709817  | 88.14  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.83 | 244  | 2267773  | 99.94  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.88  | 79   | 14493    | 2.169  | ng    | # 53     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 116548   | 21.634 | ng    | # 74     |
| 25) Isophorone                 | 7.29  | 82   | 830041   | 51.119 | ng    | # 63     |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165  | 35707    | 7.354  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 35707    | 5.674  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248  | 31464    | 4.285  | ng    | # 1      |

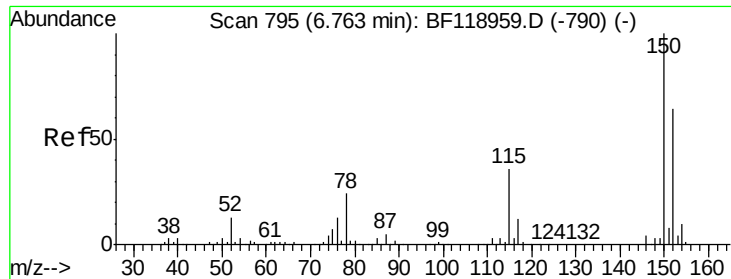
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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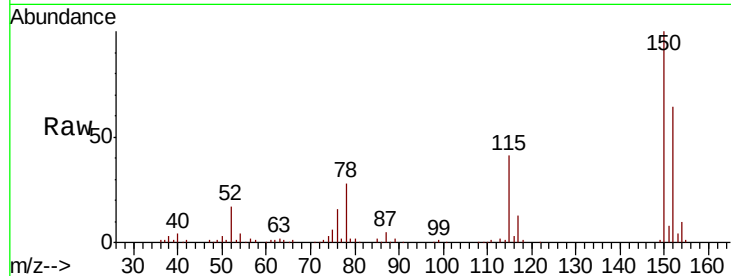


#1

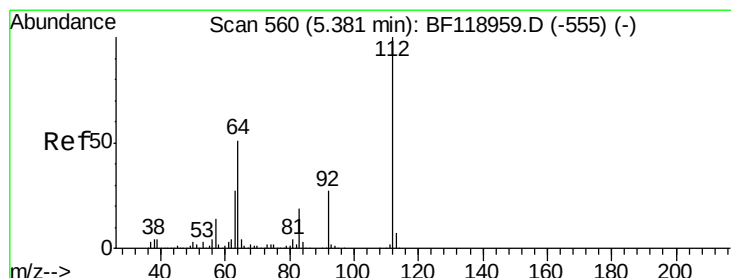
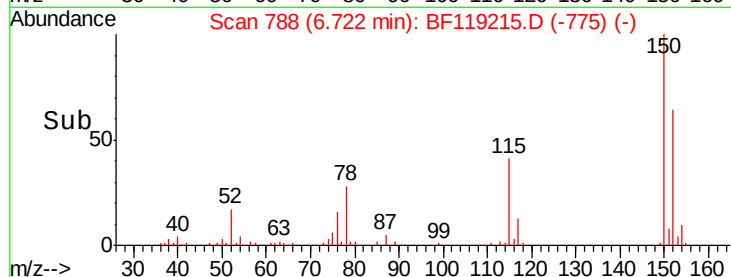
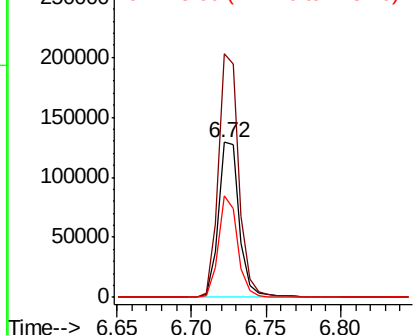
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.02 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 127040  
Ion Ratio Lower Upper  
152 100  
150 157.0 123.0 184.6  
115 65.1 49.5 74.3



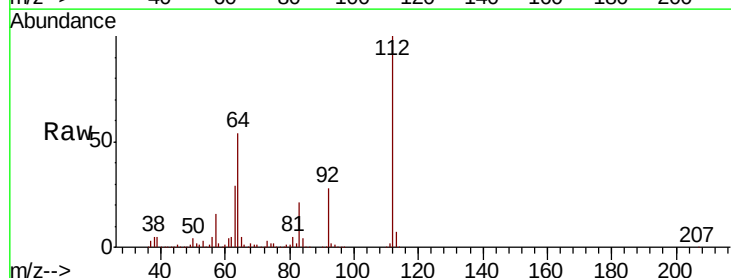
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



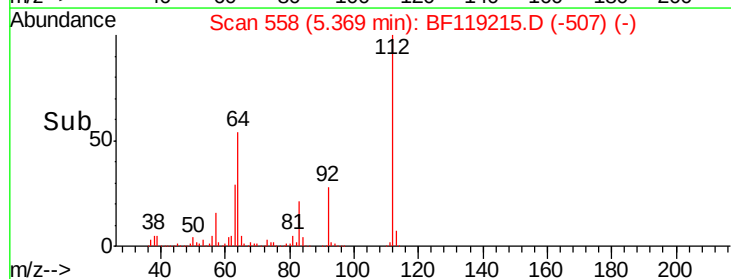
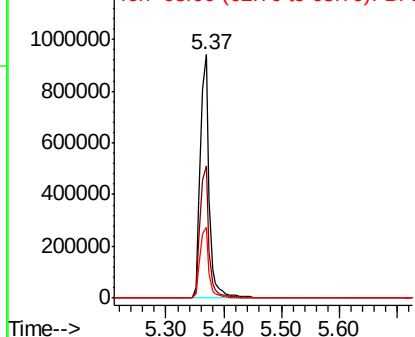
#5

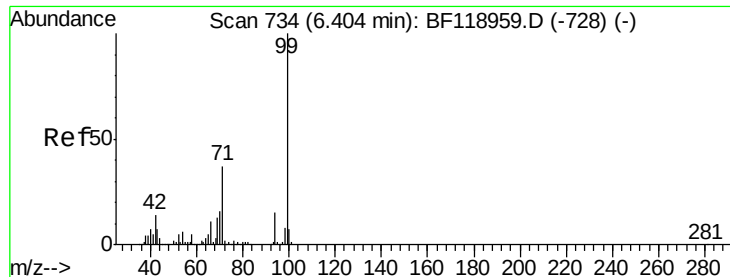
2-Fluorophenol  
Concen: 134.294 ng  
RT: 5.37 min Scan# 558  
Delta R.T. -0.00 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

Tgt Ion:112 Resp: 1020883  
Ion Ratio Lower Upper  
112 100  
64 54.2 45.0 67.4  
63 29.1 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: 133.626 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119215.D

Acq: 5 Mar 2020 15:35

Instrument :

BNA\_F

ClientSampled :

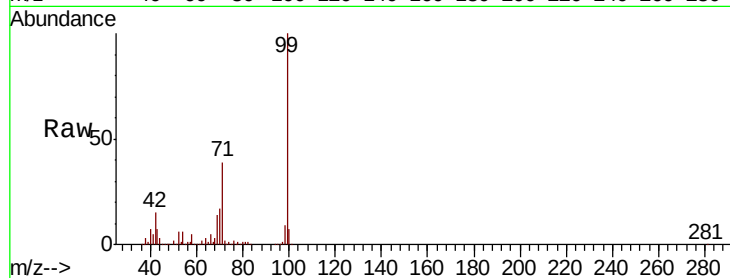
Tot Ion: 99 Resp: 1235402

Ion Ratio Lower Upper

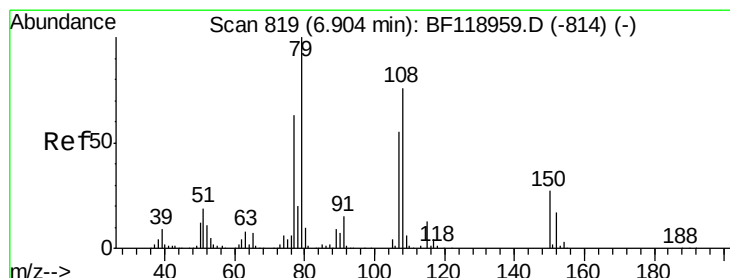
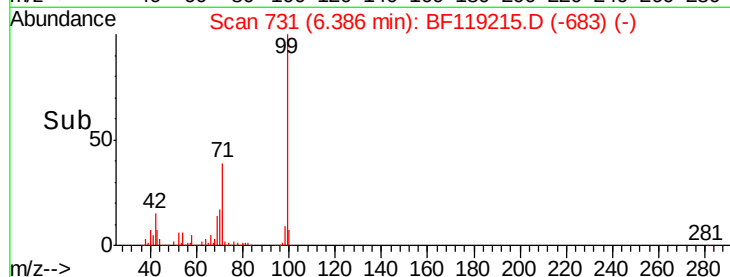
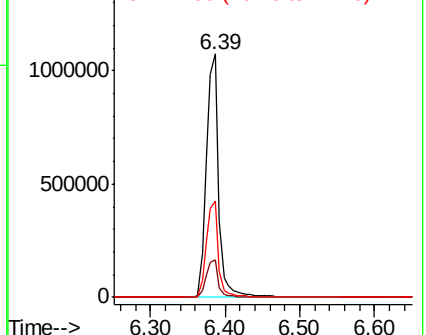
99 100

42 15.4 12.6 18.8

71 39.3 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: 2.169 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.02 min

Lab File: BF119215.D

Acq: 5 Mar 2020 15:35

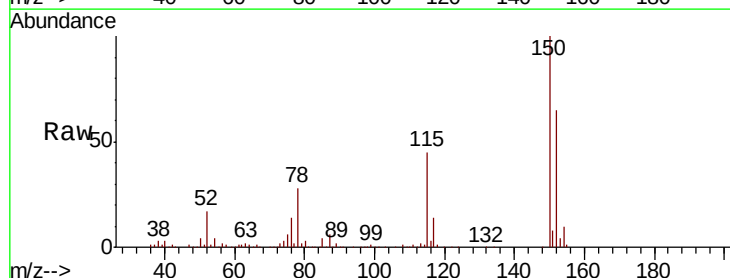
Tgt Ion: 79 Resp: 14493

Ion Ratio Lower Upper

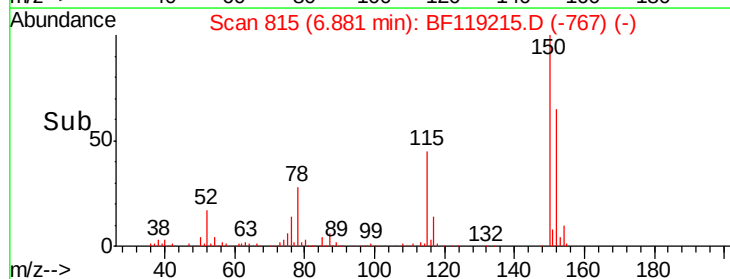
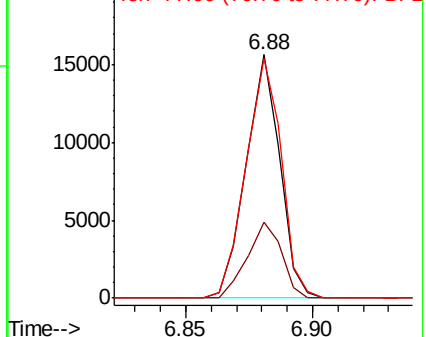
79 100

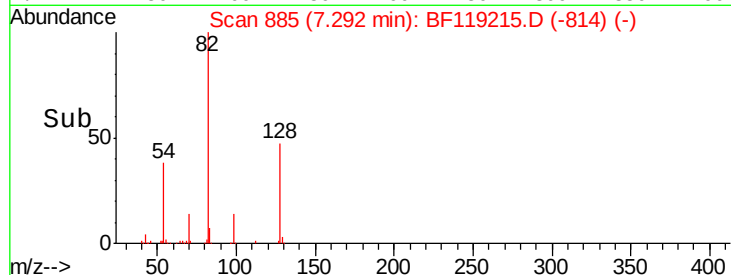
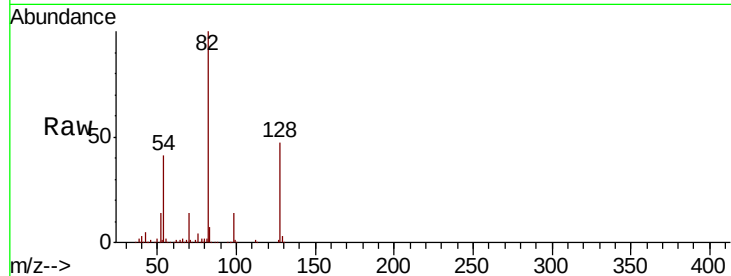
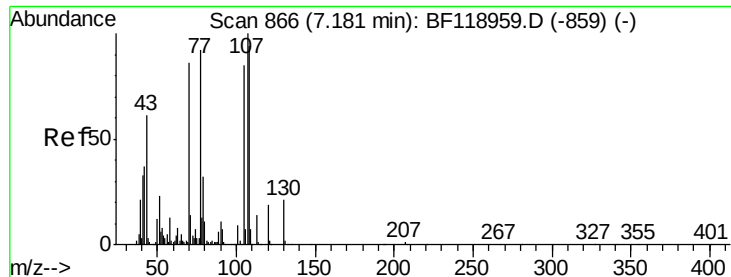
108 31.1 58.2 87.2#

77 98.5 51.2 76.8#



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

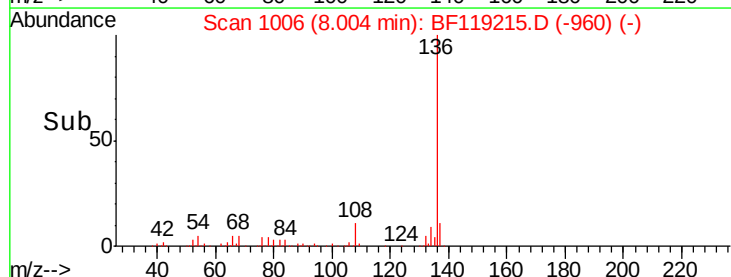
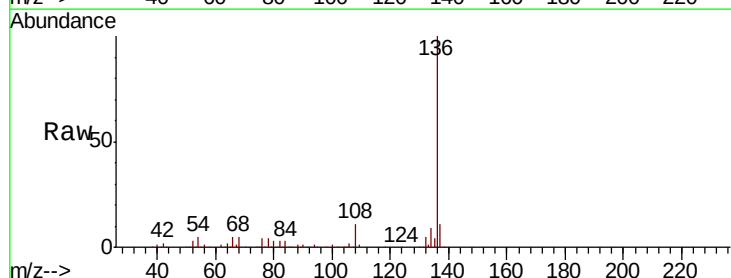
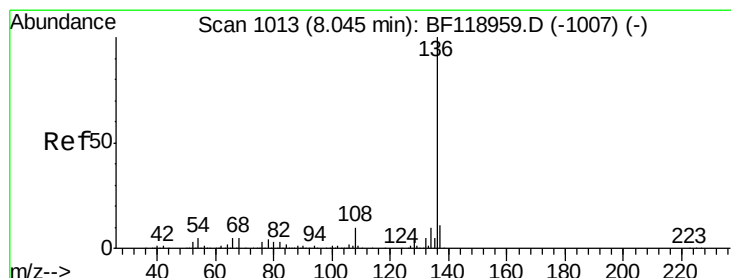
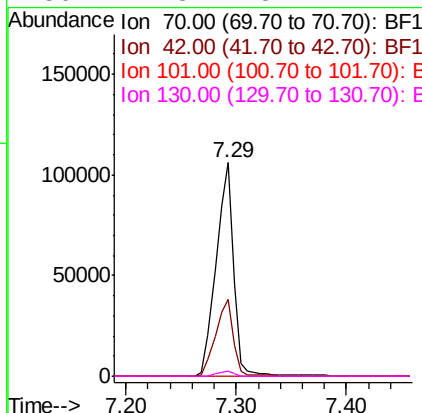




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.634 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.12 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

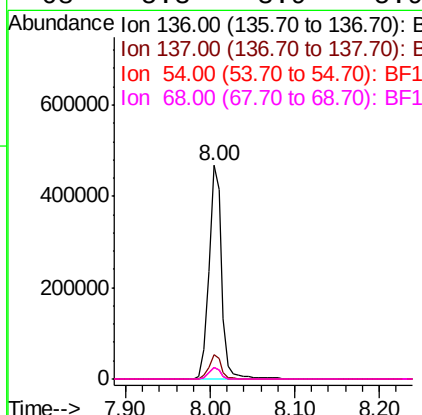
Instrument :  
BNA\_F  
ClientSampleId :

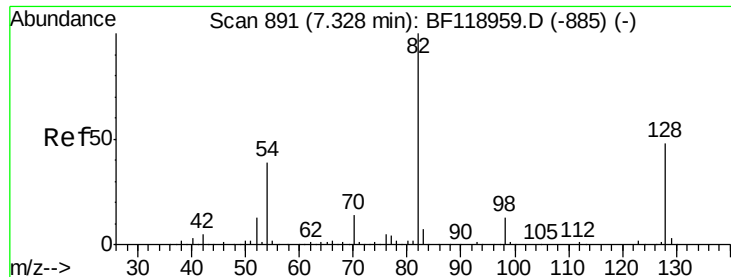
Tot Ion: 70 Resp: 116548  
Ion Ratio Lower Upper  
70 100  
42 35.7 38.0 57.0#  
101 0.0 8.2 12.4#  
130 2.3 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.03 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

Tgt Ion: 136 Resp: 493659  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 5.3 3.8 5.6  
68 5.3 3.9 5.9

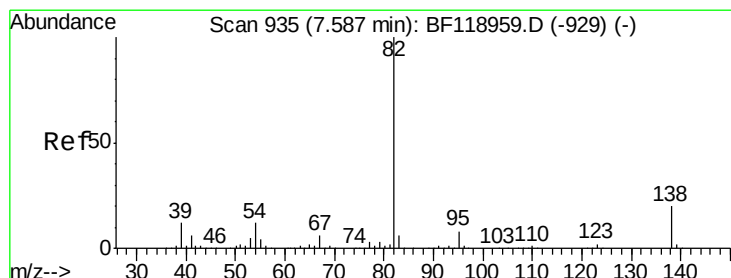
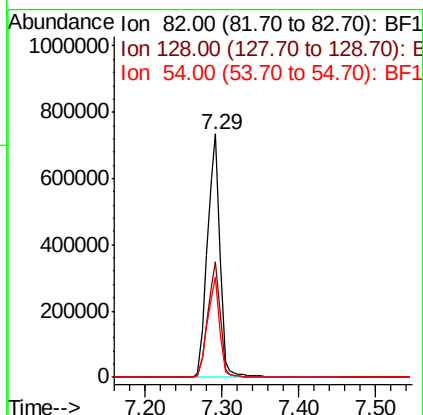
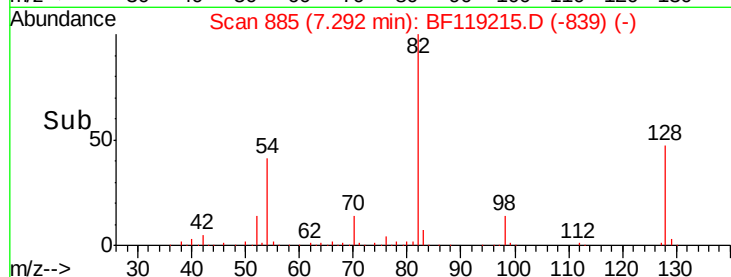
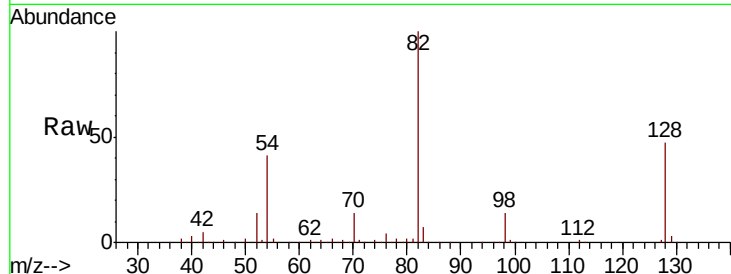




#23  
 Nitrobenzene-d5  
 Concen: 88.779 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. -0.03 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

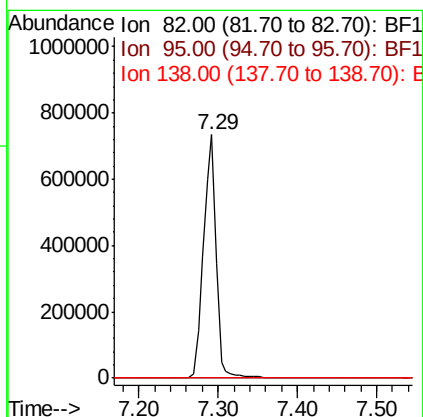
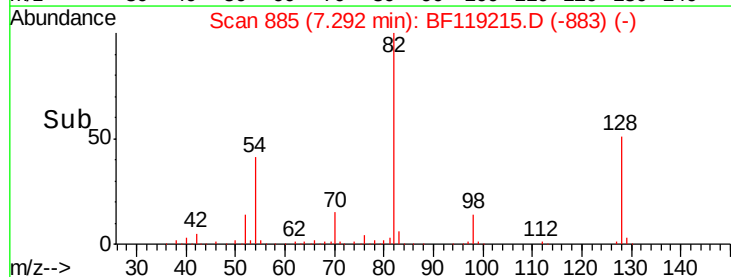
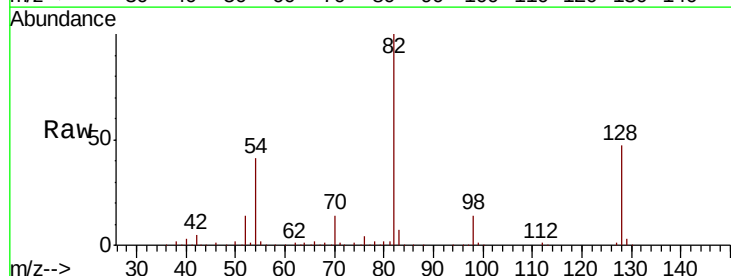
Instrument :  
 BNA\_F  
 ClientSampled :

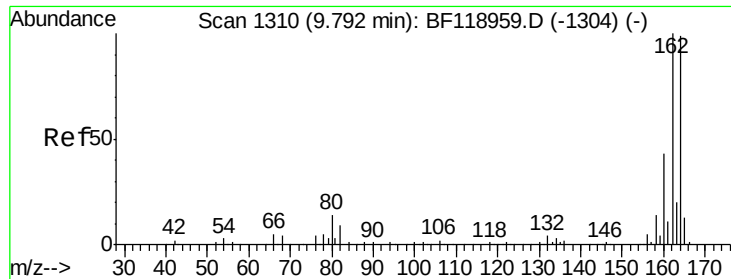
| Tot Ion   | 82    | Resp  | 830048 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.3  | 37.9  | 56.9   |
| 54        | 41.0  | 33.4  | 50.2   |



#25  
 Isophorone  
 Concen: 51.119 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. -0.29 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

| Tgt Ion   | 82    | Resp  | 830041 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 6.4   | 9.6#   |
| 138       | 0.0   | 15.7  | 23.5#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF119215.D

Acq: 5 Mar 2020 15:35

Instrument :

BNA\_F

ClientSampleId :

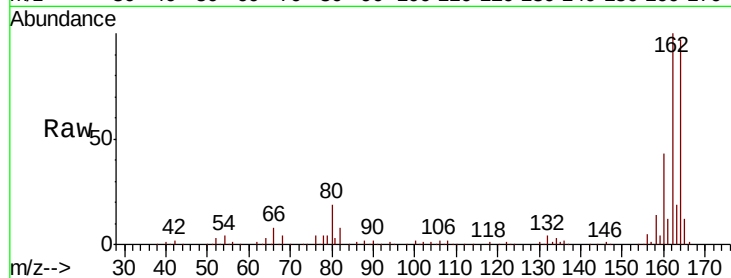
Tot Ion:164 Resp: 285795

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.8

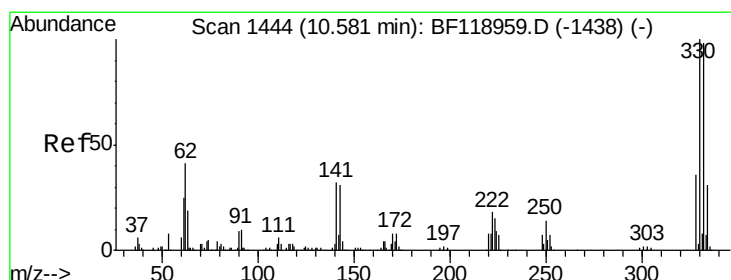
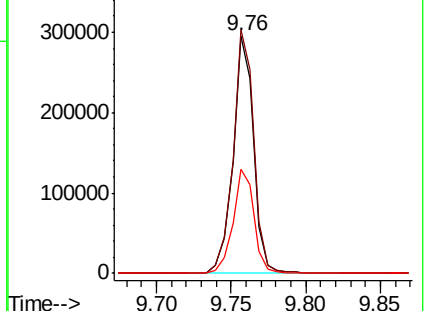
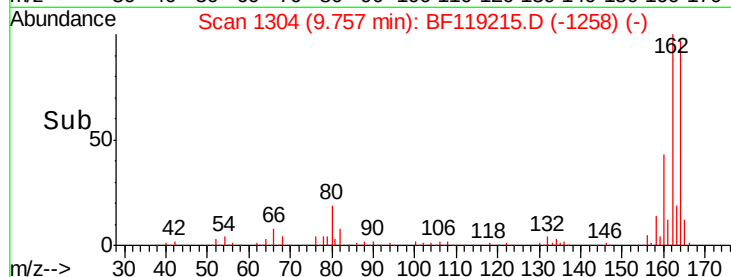
160 43.7 36.0 54.0



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: 127.019 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF119215.D

Acq: 5 Mar 2020 15:35

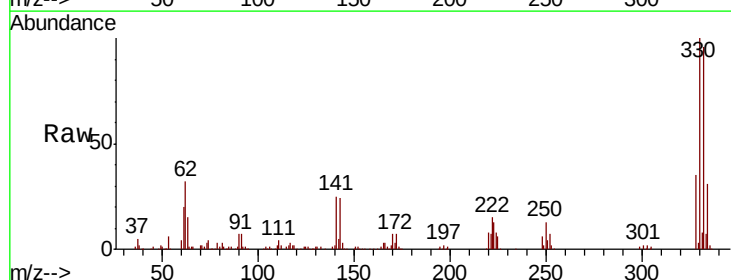
Tgt Ion:330 Resp: 474885

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

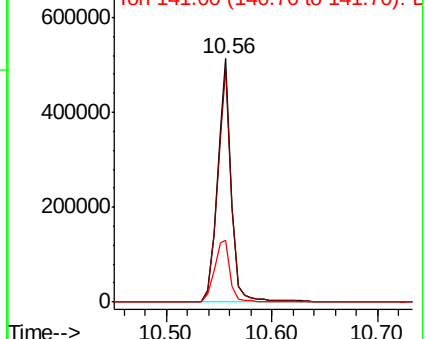
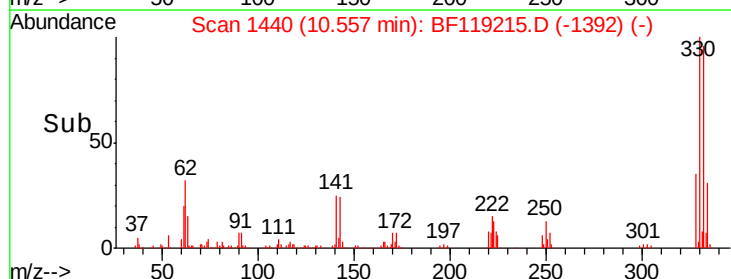
141 29.4 22.9 34.3

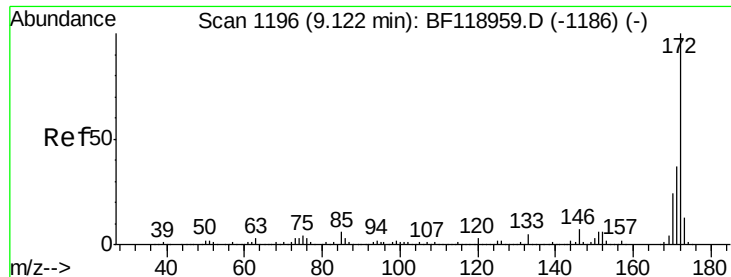


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

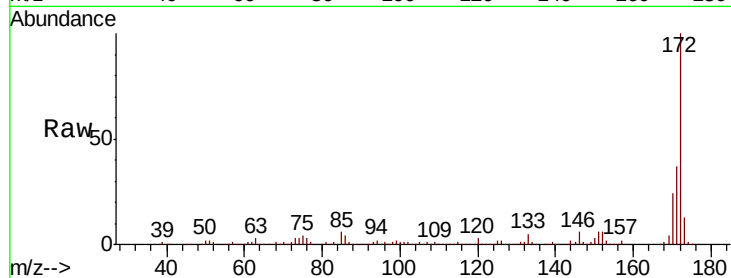




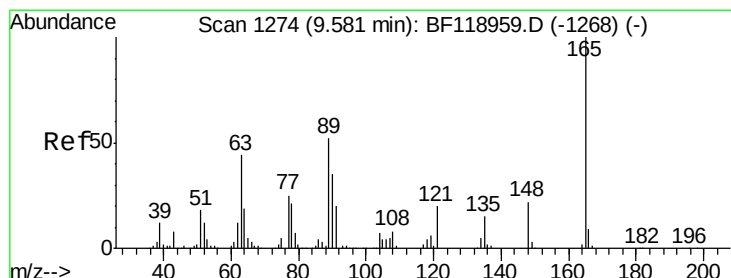
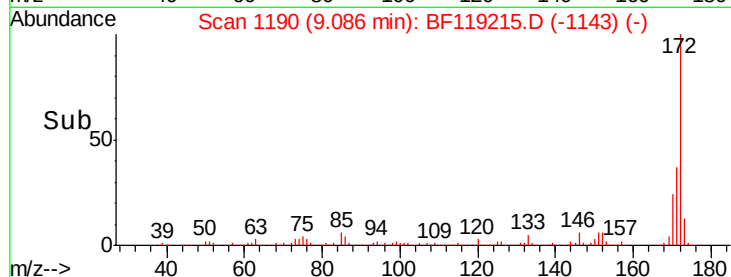
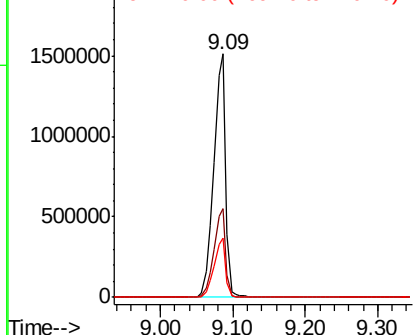
#45  
2-Fluorobiphenyl  
Concen: 88.135 ng  
RT: 9.09 min Scan# 1190  
Delta R.T. -0.02 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1709817  
Ion Ratio Lower Upper  
172 100  
171 36.5 30.6 45.8  
170 24.3 20.2 30.2

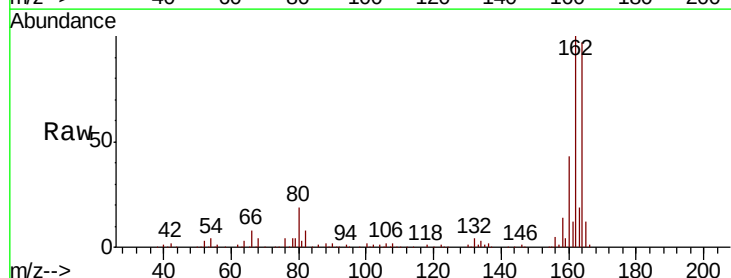


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

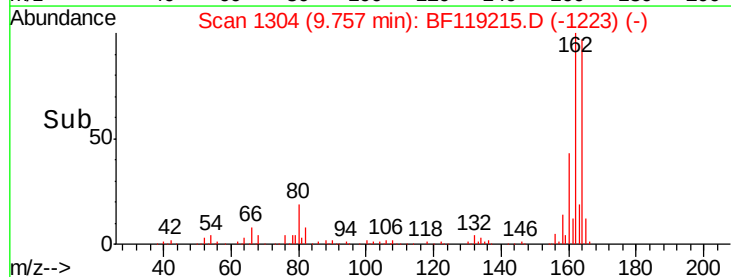
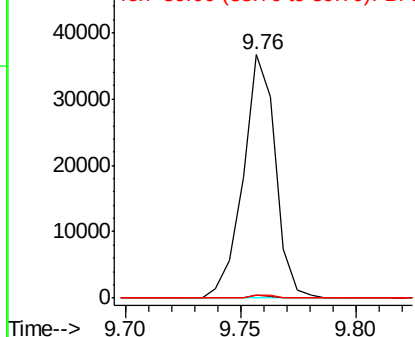


#51  
2,6-Dinitrotoluene  
Concen: 7.354 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.18 min  
Lab File: BF119215.D  
Acq: 5 Mar 2020 15:35

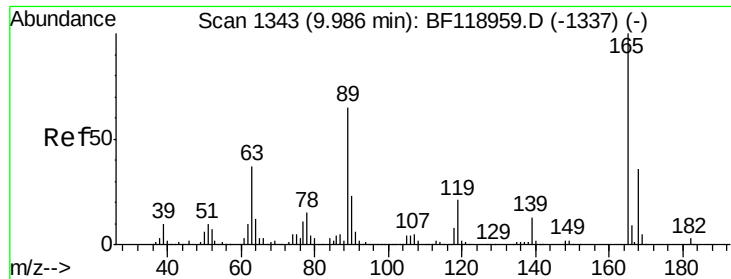
Tgt Ion:165 Resp: 35707  
Ion Ratio Lower Upper  
165 100  
63 1.3 34.3 51.5#  
89 1.2 38.3 57.5#



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



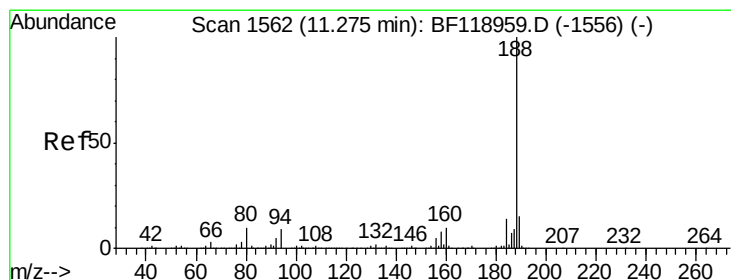
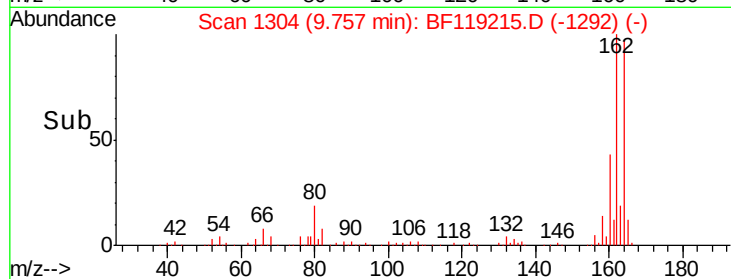
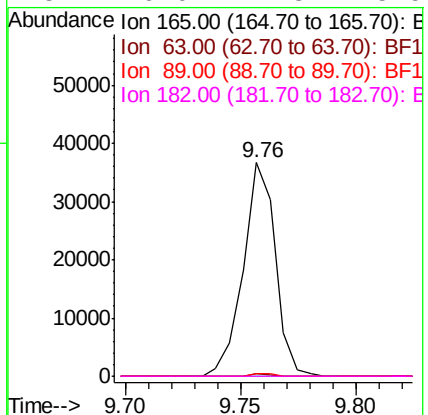
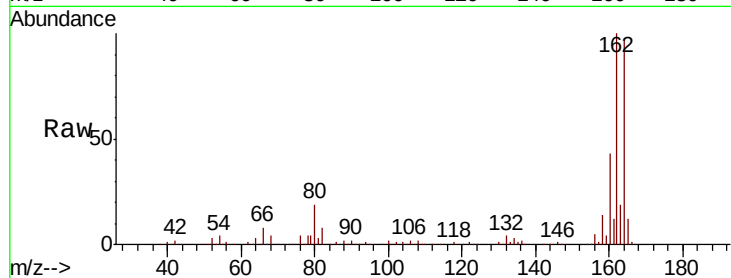




#57  
 2,4-Dinitrotoluene  
 Concen: 5.674 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.23 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

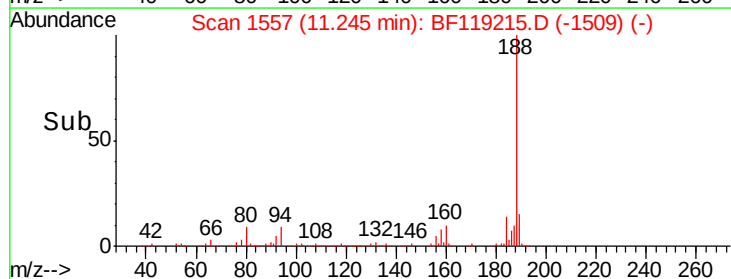
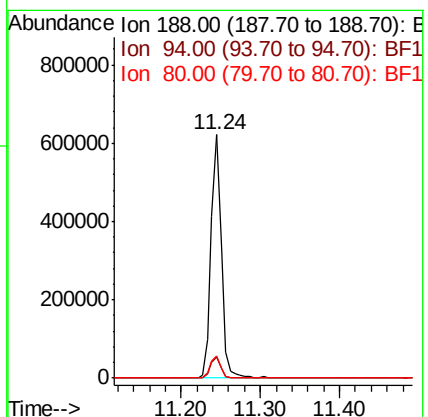
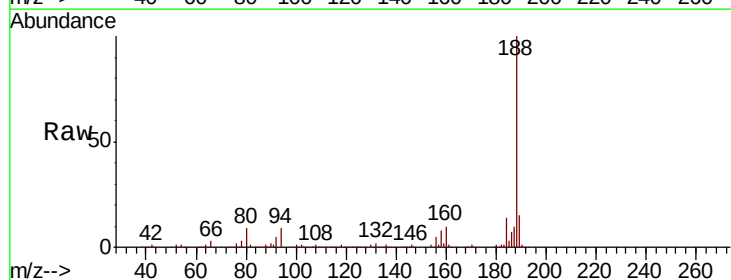
Instrument :  
 BNA\_F  
 ClientSampleId :

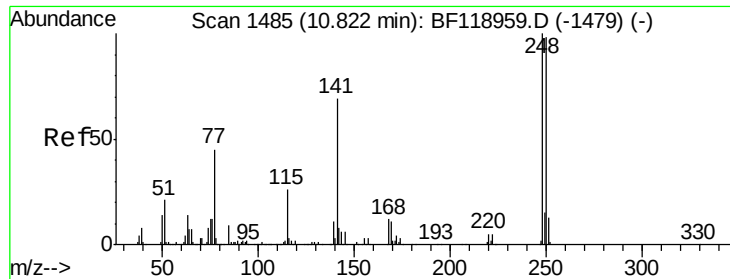
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 42.3  | 63.5# |
| 89      | 1.2   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1557  
 Delta R.T. -0.02 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 7.1   | 10.7  |
| 80      | 9.1   | 7.8   | 11.8  |

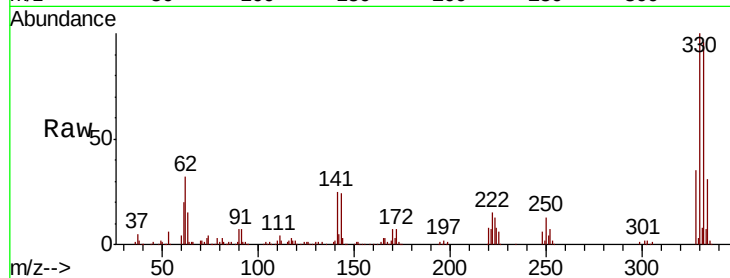




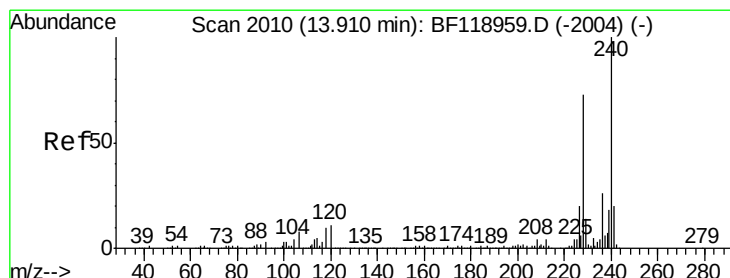
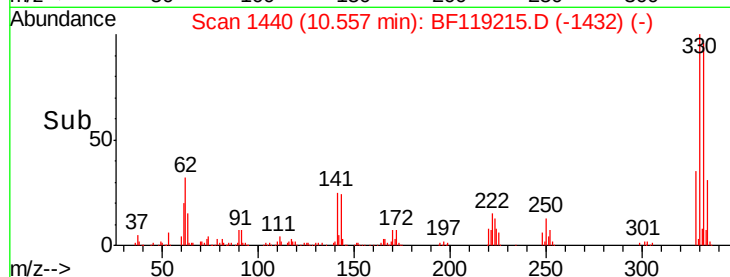
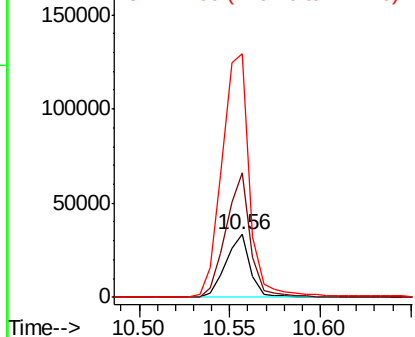
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.285 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.25 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 31464  
 Ion Ratio Lower Upper  
 248 100  
 250 198.4 76.7 115.1#  
 141 388.5 60.7 91.1#

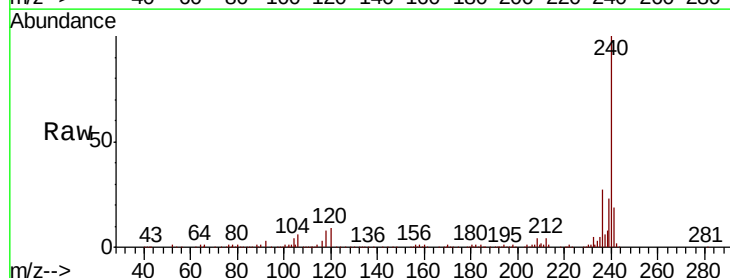


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

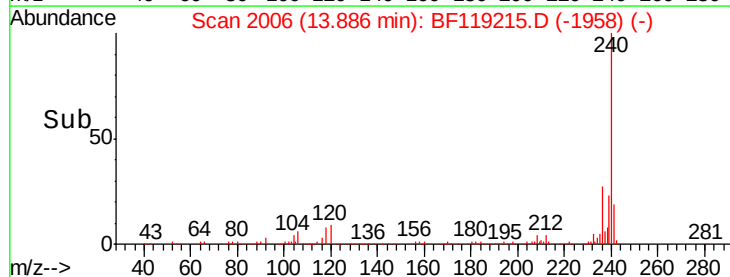
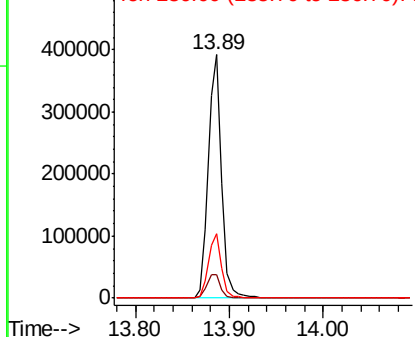


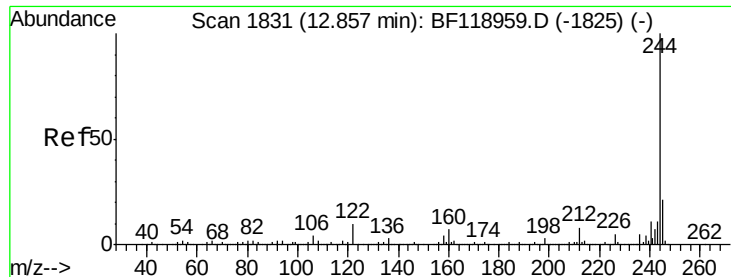
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2006  
 Delta R.T. -0.02 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

Tgt Ion:240 Resp: 390662  
 Ion Ratio Lower Upper  
 240 100  
 120 9.5 8.4 12.6  
 236 26.5 21.0 31.4



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



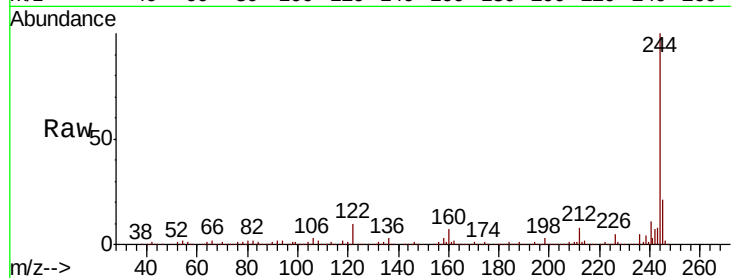


#79  
 Terphenyl-d14  
 Concen: 99.942 ng  
 RT: 12.83 min Scan# 1827  
 Delta R.T. -0.02 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

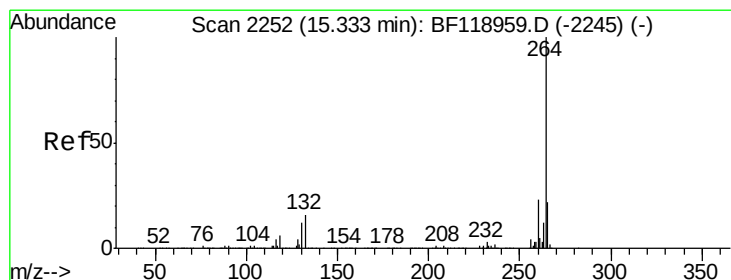
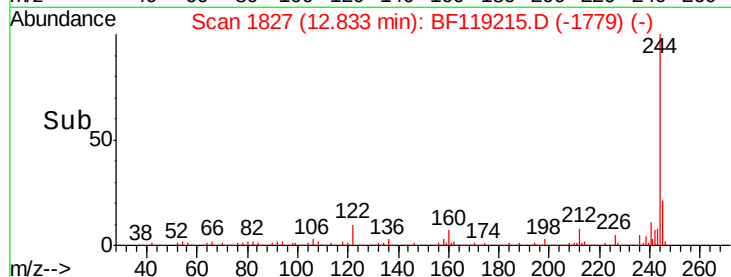
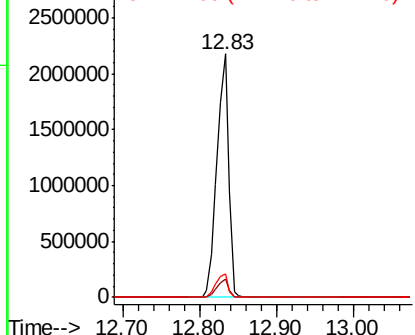
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 2267773  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.8   | 6.6   | 10.0  |
| 122 | 9.6   | 8.2   | 12.2  |



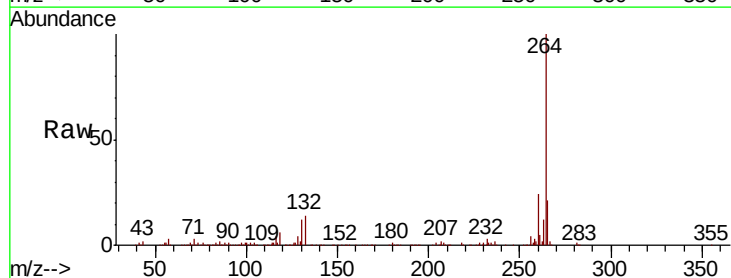
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.31 min Scan# 2248  
 Delta R.T. -0.01 min  
 Lab File: BF119215.D  
 Acq: 5 Mar 2020 15:35

Tgt Ion:264 Resp: 317335  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.4  | 29.2  |
| 265 | 20.6  | 17.7  | 26.5  |



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

