

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\  
 Data File : BF119107.D  
 Acq On : 27 Feb 2020 13:39  
 Operator : CG/JU  
 Sample : PB127120BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 28 02:53:54 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 | 6.75  | 152  | 146180   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.03  | 136  | 583535   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.78  | 164  | 334081   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.26 | 188  | 655970   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.90 | 240  | 479829   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 363949   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.38  | 112  | 1087083  | 124.28 | ng    | 0.01     |
| 7) Phenol-d6                | 6.39  | 99   | 1319083  | 124.00 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 884522   | 80.03  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.57 | 330  | 509212   | 116.52 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 1784806  | 78.70  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.85 | 244  | 2296654  | 82.41  | ng    | 0.00     |

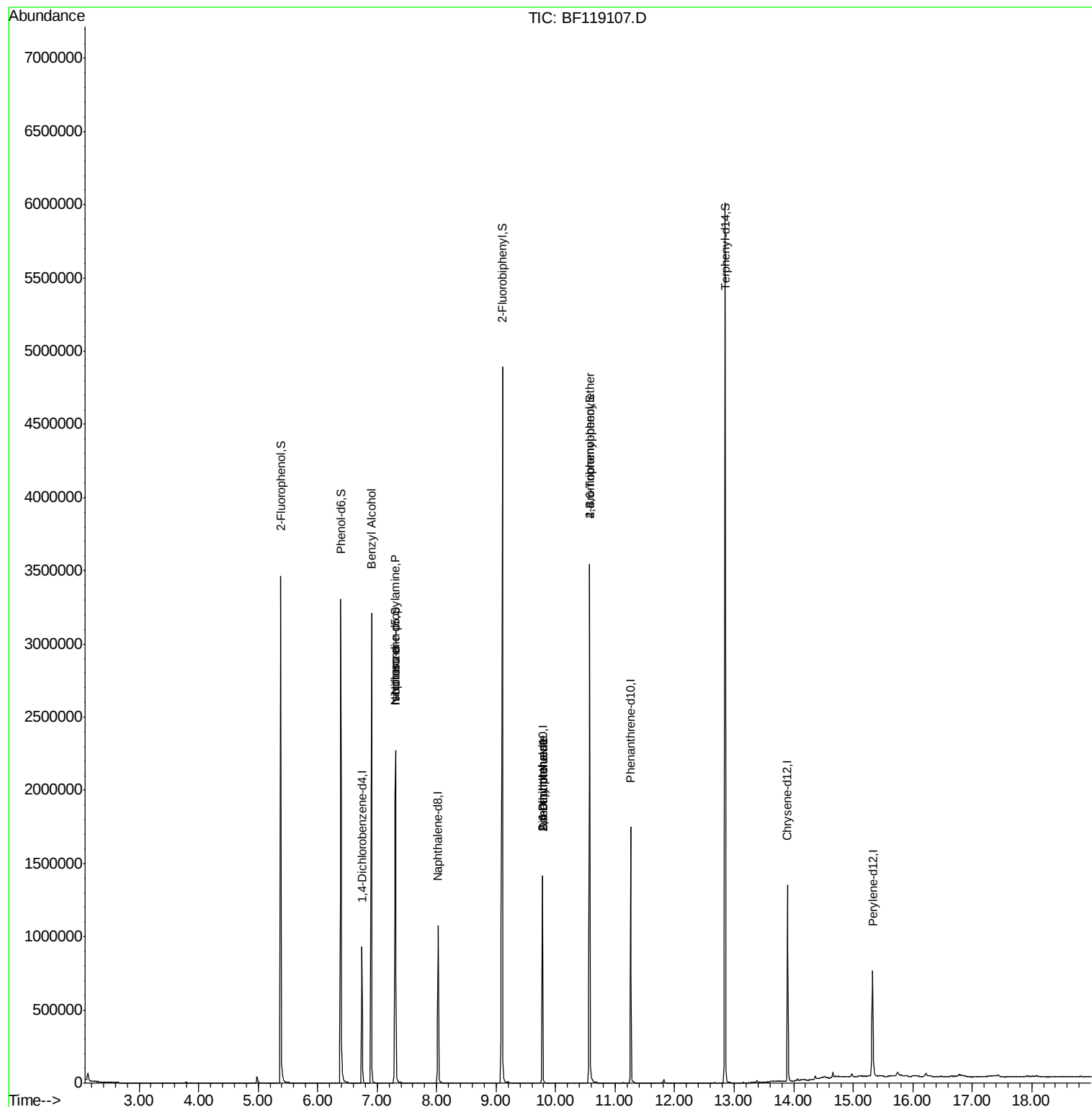
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 15) Benzyl Alcohol             | 6.90  | 79   | 15450    | 2.009  | ng    | # 53   |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 121508   | 19.602 | ng    | # 74   |
| 25) Isophorone                 | 7.31  | 82   | 867475   | 45.196 | ng    | # 63   |
| 50) Dimethylphthalate          | 9.78  | 163  | 73564    | 2.880  | ng    | # 1    |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 42503    | 7.489  | ng    | # 33   |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 42503    | 5.777  | ng    | # 21   |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 33771    | 3.939  | ng    | # 1    |

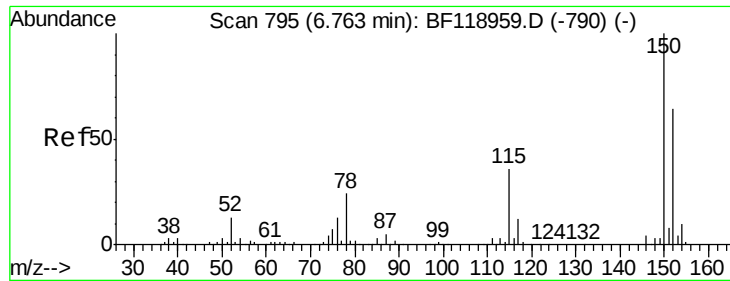
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\  
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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Feb 28 02:53:54 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



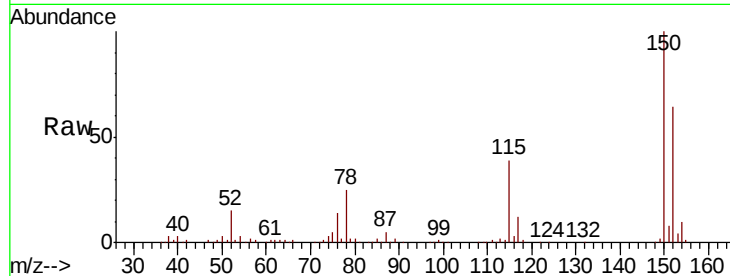


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 123.0 | 184.6 |
| 115     | 60.6  | 49.5  | 74.3  |

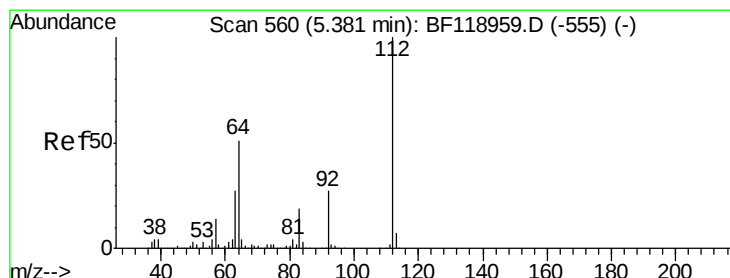
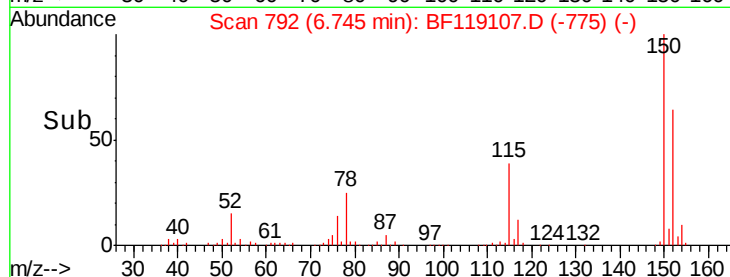
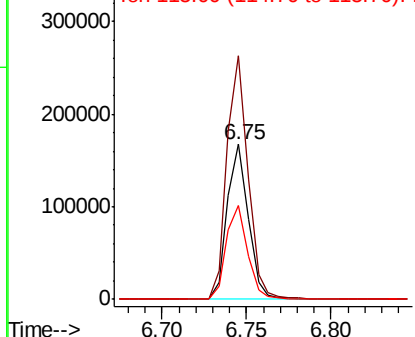


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

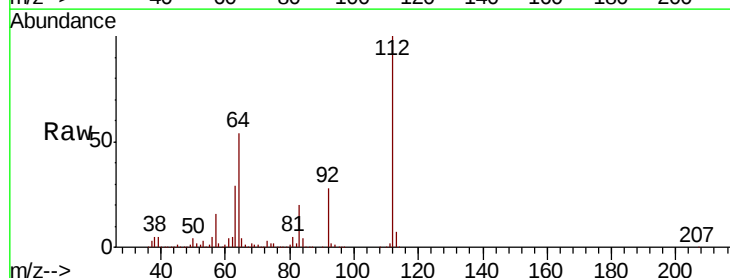
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 124.279 ng  
RT: 5.38 min Scan# 560  
Delta R.T. 0.01 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.2  | 45.0  | 67.4  |
| 63      | 29.2  | 24.2  | 36.4  |

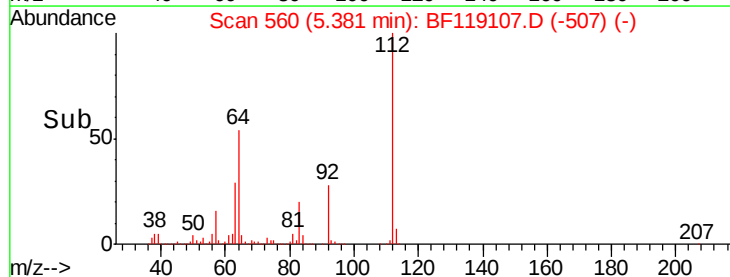
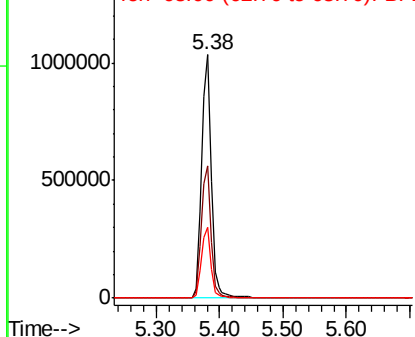


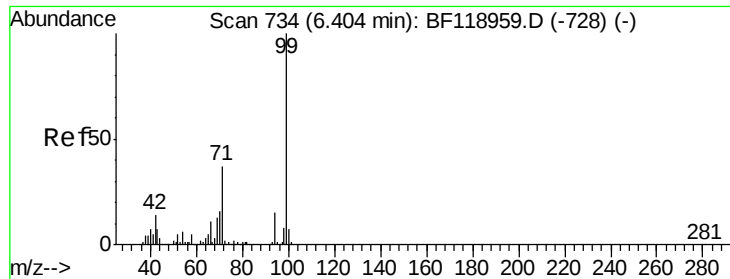
Abundance

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: 123.996 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

Instrument :

BNA\_F

ClientSampleId :

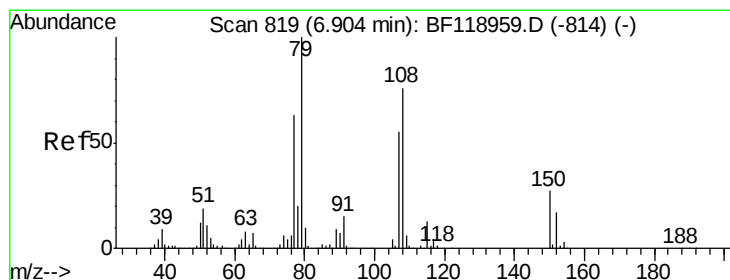
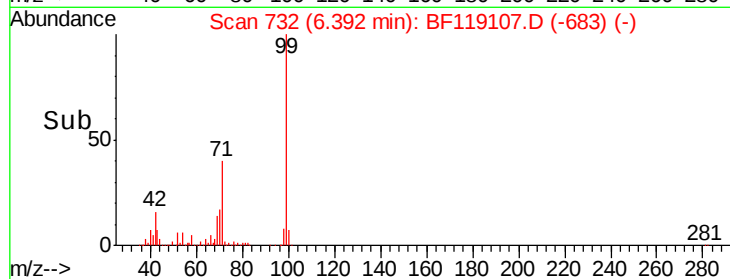
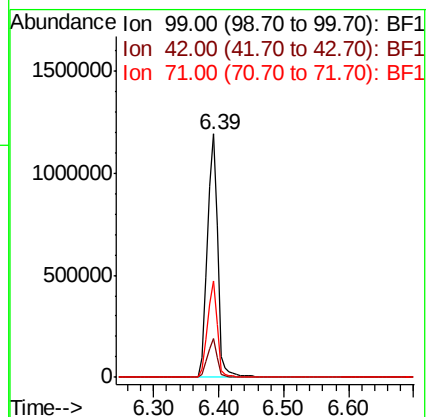
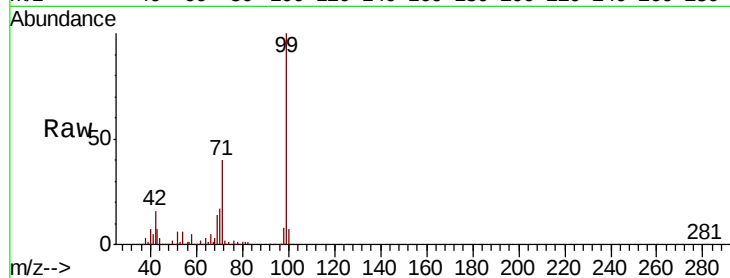
Tot Ion: 99 Resp: 1319083

Ion Ratio Lower Upper

99 100

42 15.8 12.6 18.8

71 39.7 31.0 46.4



#15

Benzyl Alcohol

Concen: 2.009 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

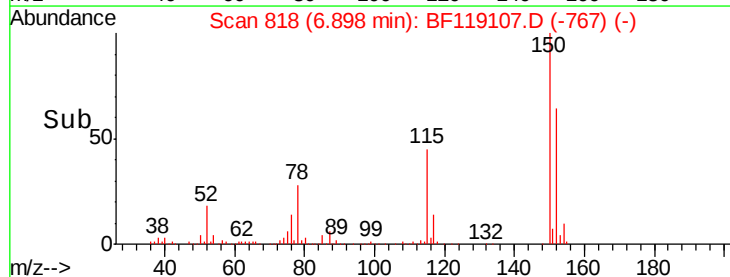
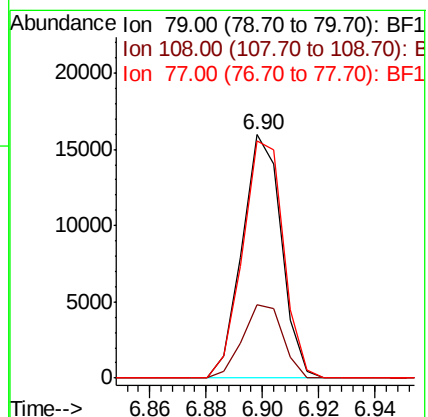
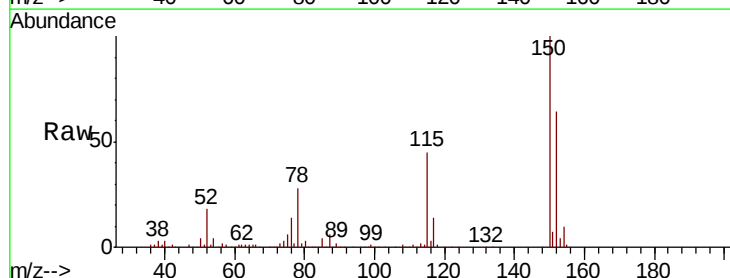
Tgt Ion: 79 Resp: 15450

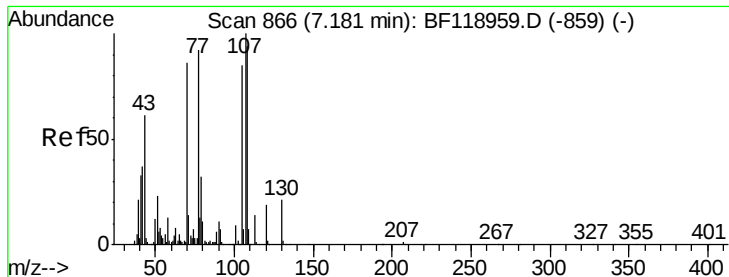
Ion Ratio Lower Upper

79 100

108 30.1 58.2 87.2#

77 97.6 51.2 76.8#

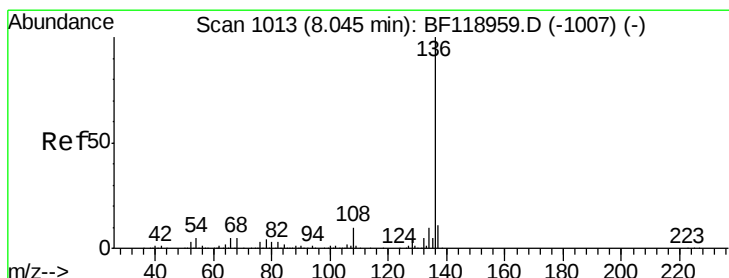
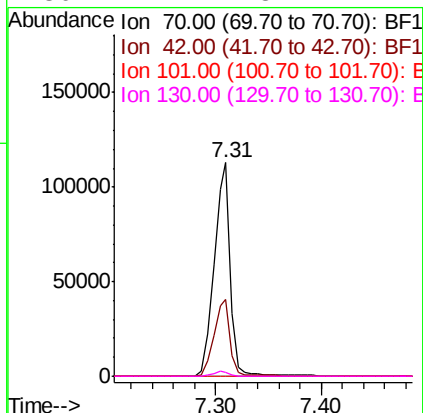
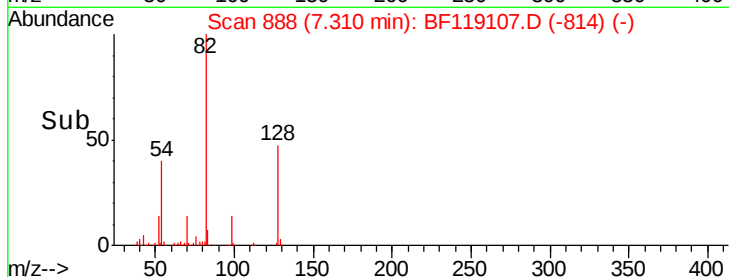
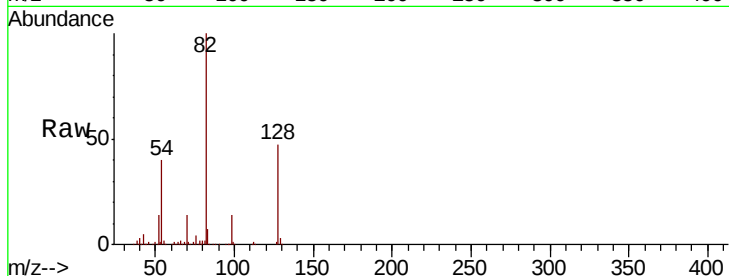




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.602 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.14 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

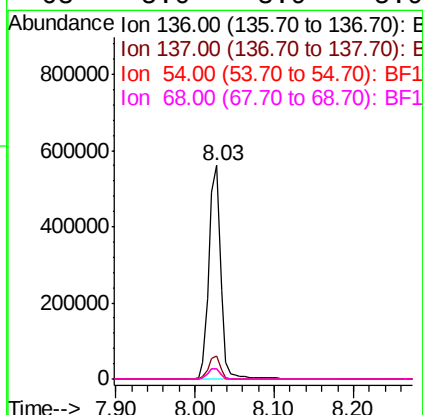
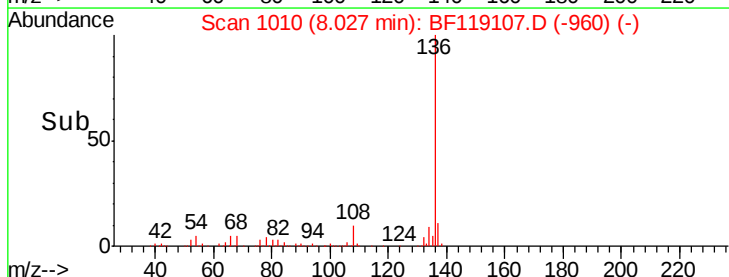
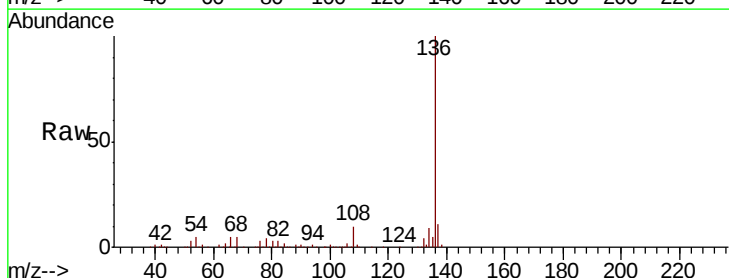
Instrument :  
BNA\_F  
ClientSampleId :

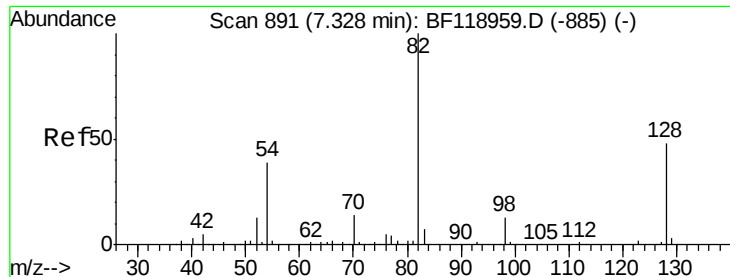
Tot Ion: 70 Resp: 121508  
Ion Ratio Lower Upper  
70 100  
42 35.8 38.0 57.0#  
101 0.0 8.2 12.4#  
130 2.1 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

Tgt Ion: 136 Resp: 583535  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 4.7 3.8 5.6  
68 5.0 3.9 5.9

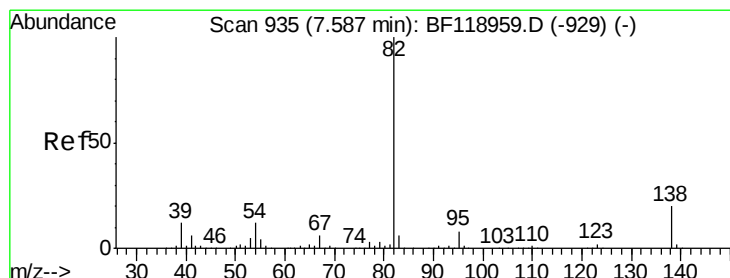
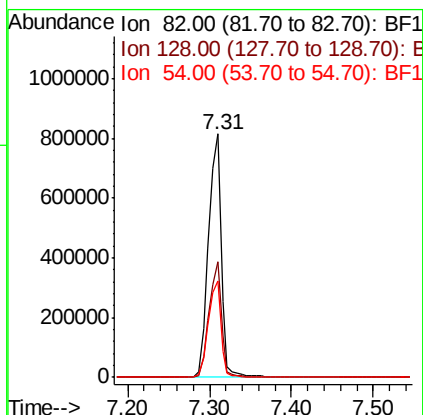
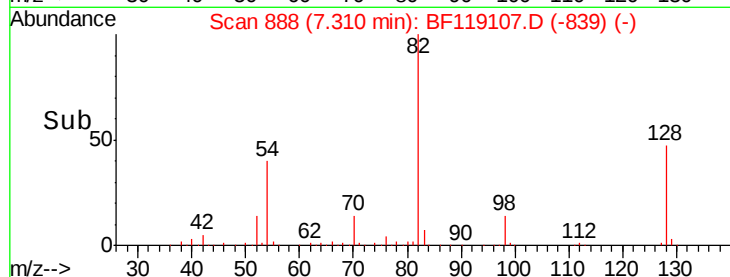
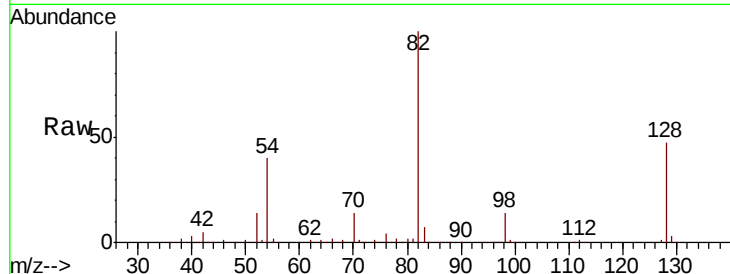




#23  
Nitrobenzene-d5  
Concen: 80.034 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

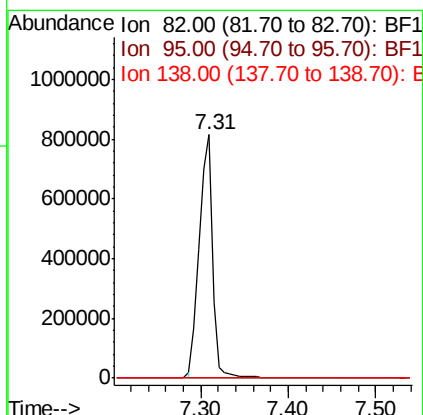
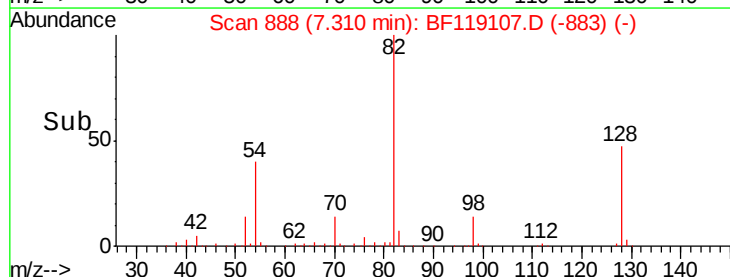
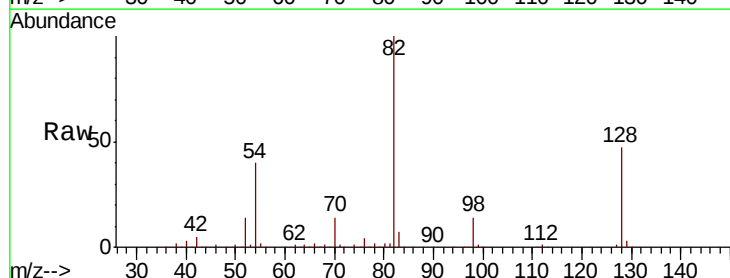
Instrument :  
BNA\_F  
ClientSampleId :

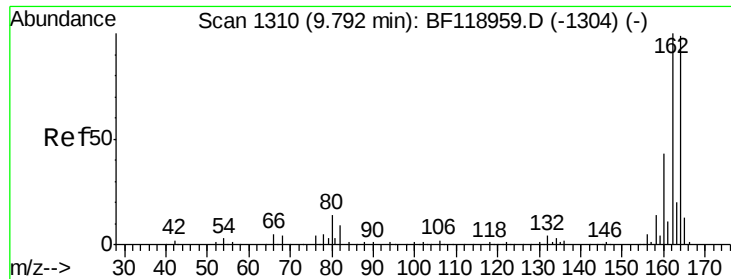
Tot Ion: 82 Resp: 884522  
Ion Ratio Lower Upper  
82 100  
128 47.4 37.9 56.9  
54 39.7 33.4 50.2



#25  
Isophorone  
Concen: 45.196 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.27 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

Tgt Ion: 82 Resp: 867475  
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: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

Instrument :

BNA\_F

ClientSampleId :

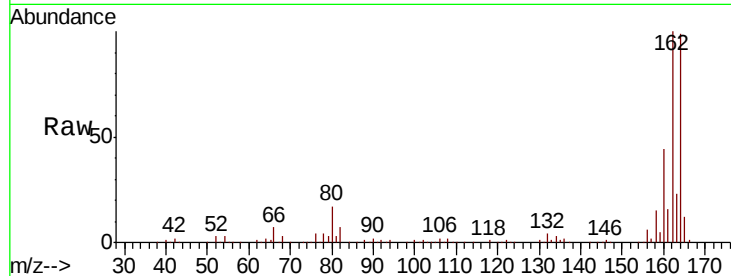
Tot Ion:164 Resp: 334081

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

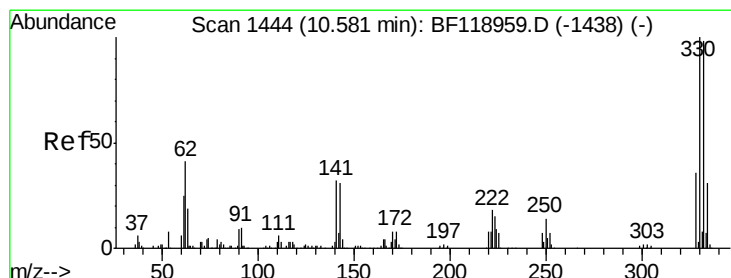
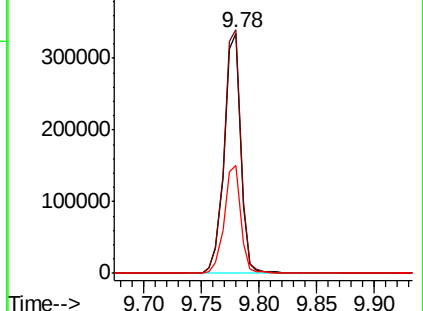
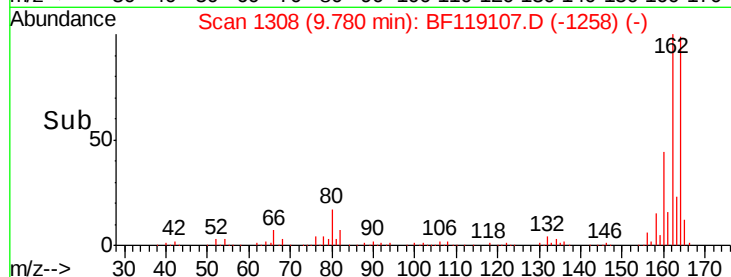
160 45.1 36.0 54.0



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: 116.515 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

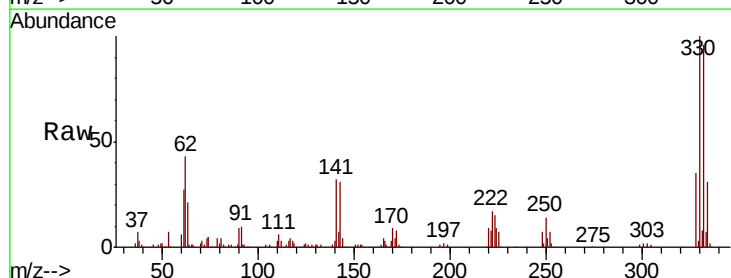
Tgt Ion:330 Resp: 509212

Ion Ratio Lower Upper

330 100

332 97.1 76.0 114.0

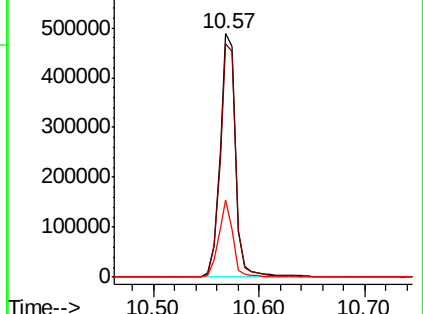
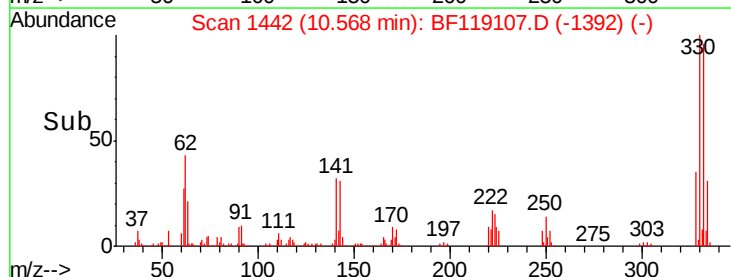
141 29.3 22.9 34.3

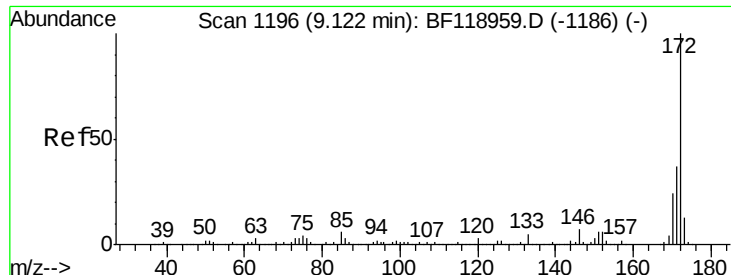


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

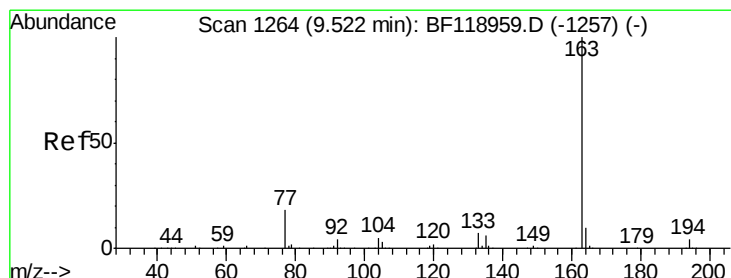
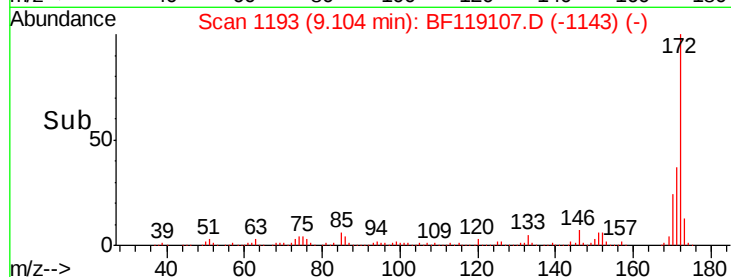
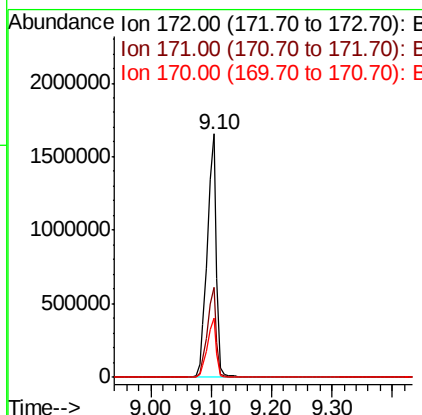
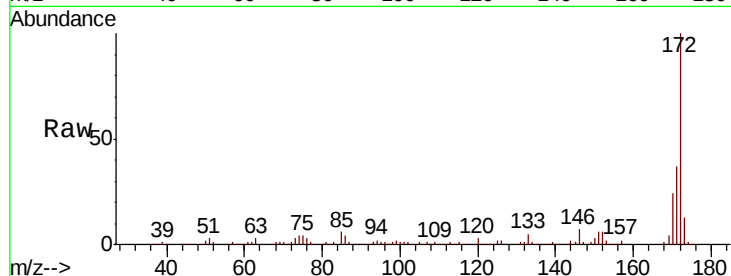




#45  
2-Fluorobiphenyl  
Concen: 78.703 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

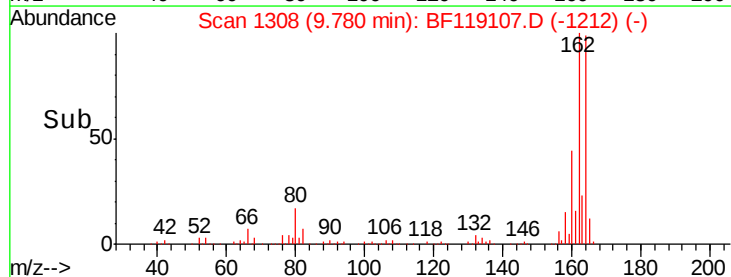
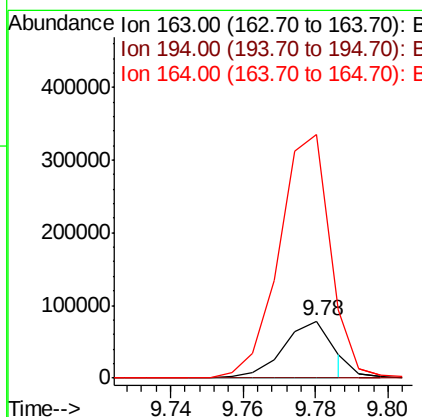
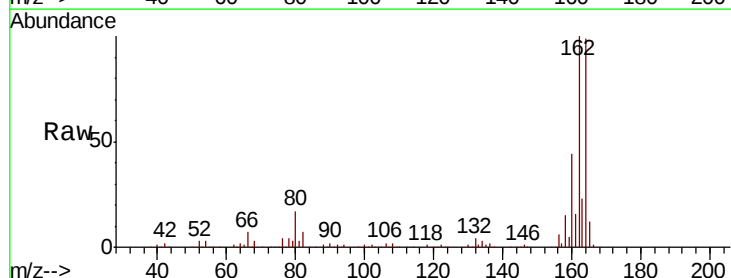
Instrument :  
BNA\_F  
ClientSampleId :

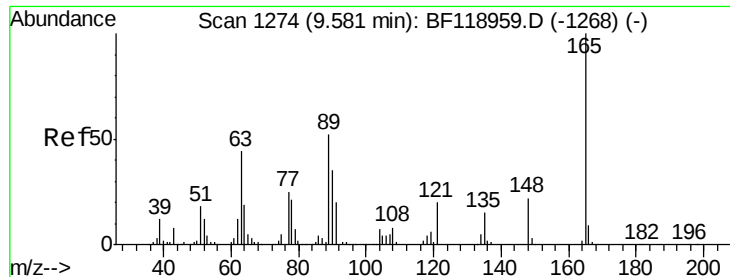
Tot Ion:172 Resp: 1784806  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.6 45.8  
170 24.2 20.2 30.2



#50  
Dimethylphthalate  
Concen: 2.880 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. 0.26 min  
Lab File: BF119107.D  
Acq: 27 Feb 2020 13:39

Tgt Ion:163 Resp: 73564  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.5 5.3#  
164 426.7 8.4 12.6#

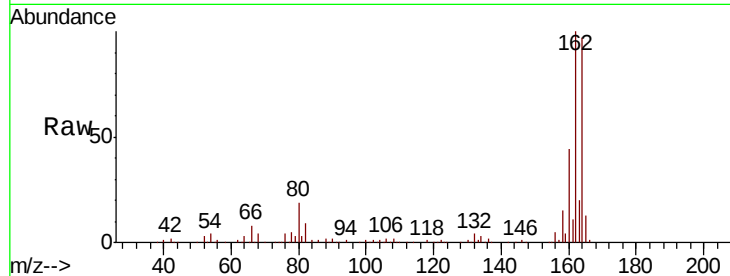




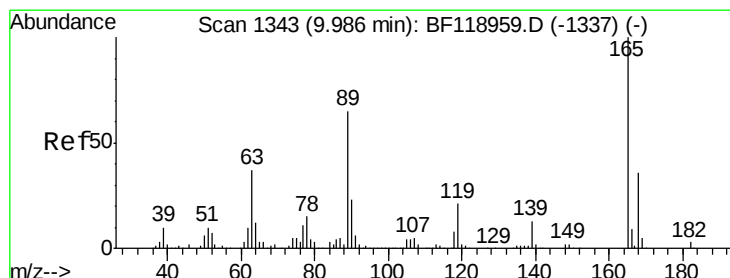
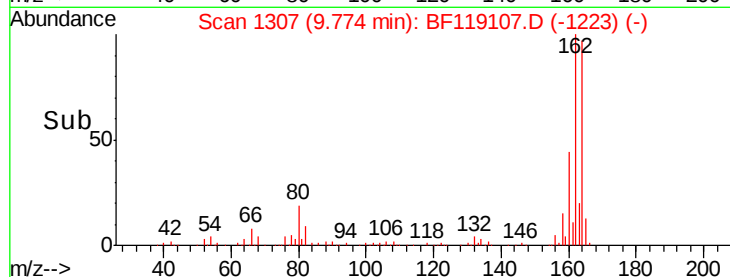
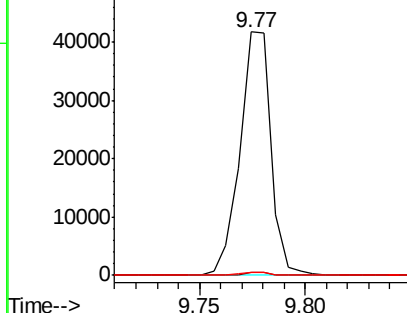
#51  
 2,6-Dinitrotoluene  
 Concen: 7.489 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. 0.19 min  
 Lab File: BF119107.D  
 Acq: 27 Feb 2020 13:39

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 34.3  | 51.5# |
| 89      | 1.4   | 38.3  | 57.5# |



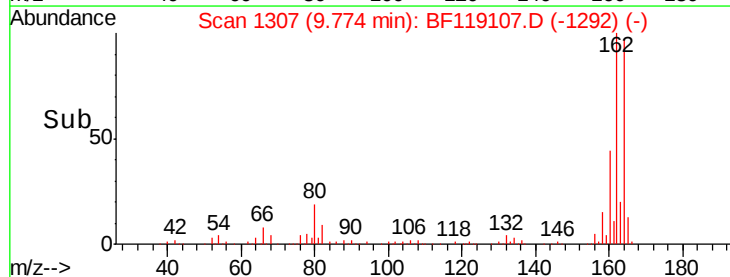
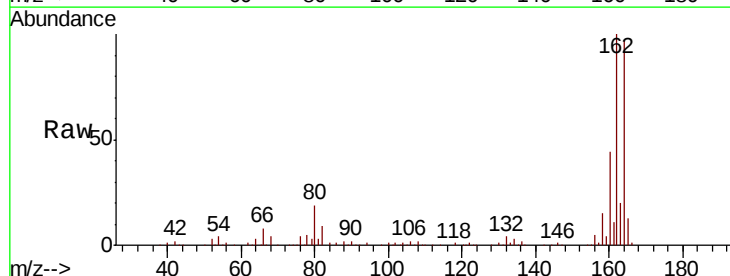
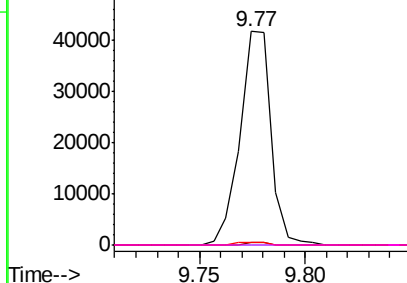
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

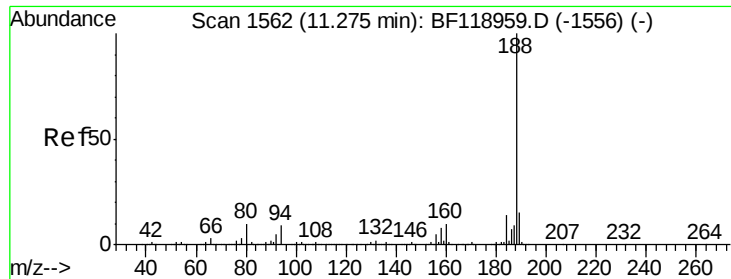


#57  
 2,4-Dinitrotoluene  
 Concen: 5.777 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. -0.21 min  
 Lab File: BF119107.D  
 Acq: 27 Feb 2020 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 42.3  | 63.5# |
| 89      | 1.4   | 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): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

Instrument :

BNA\_F

ClientSampleId :

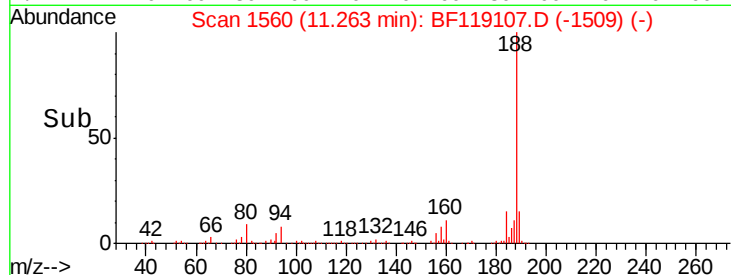
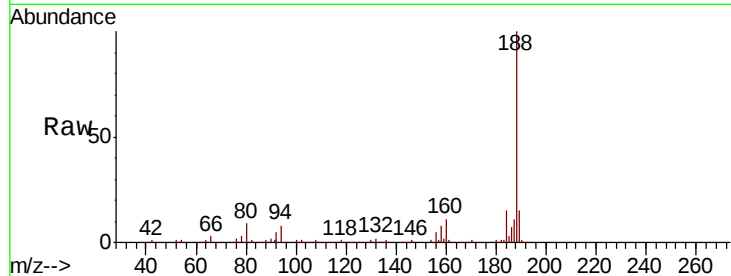
Tot Ion:188 Resp: 655970

Ion Ratio Lower Upper

188 100

94 8.3 7.1 10.7

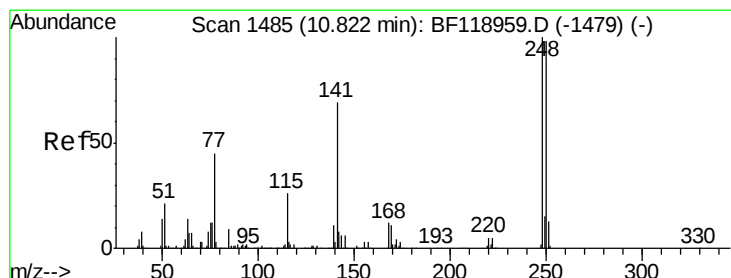
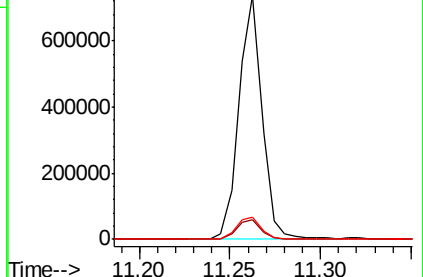
80 8.9 7.8 11.8



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: 3.939 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.24 min

Lab File: BF119107.D

Acq: 27 Feb 2020 13:39

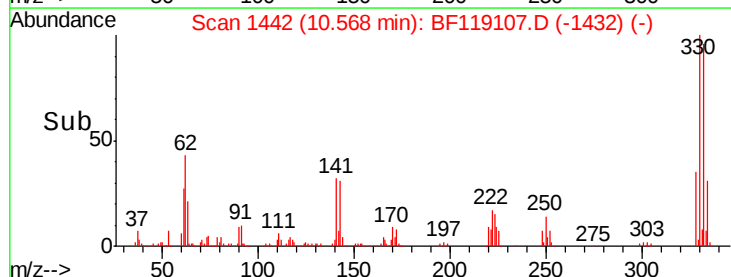
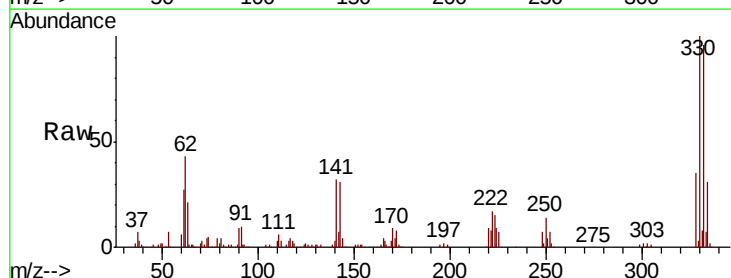
Tgt Ion:248 Resp: 33771

Ion Ratio Lower Upper

248 100

250 198.8 76.7 115.1#

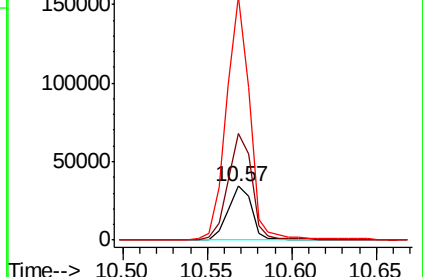
141 454.0 60.7 91.1#

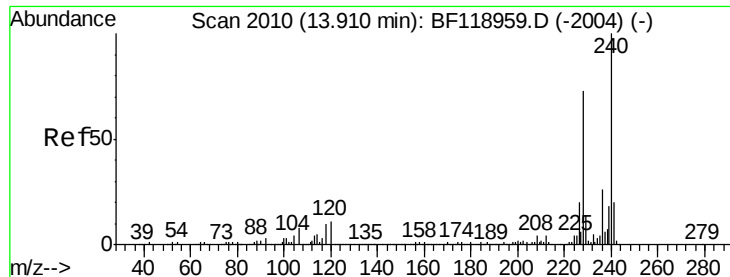


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

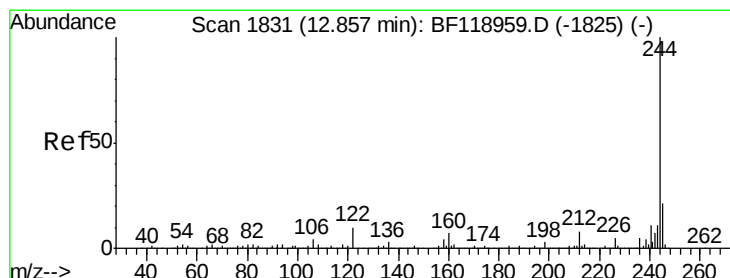
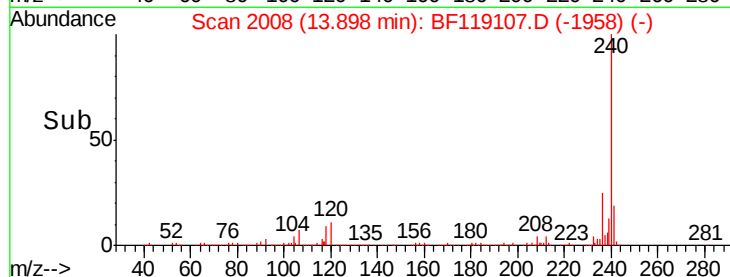
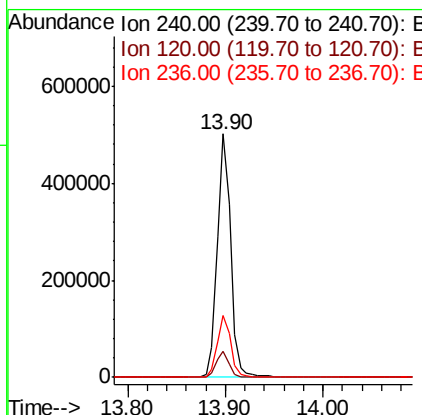
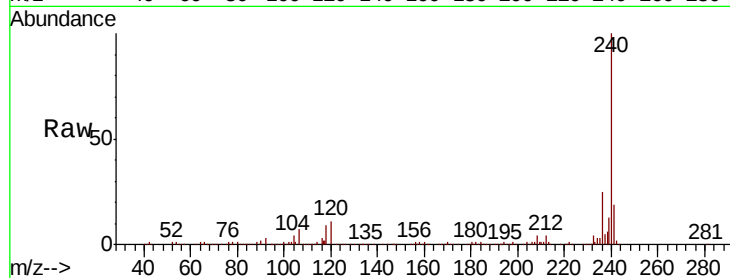




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 13.90 min Scan# 2008  
 Delta R.T. -0.01 min  
 Lab File: BF119107.D  
 Acq: 27 Feb 2020 13:39

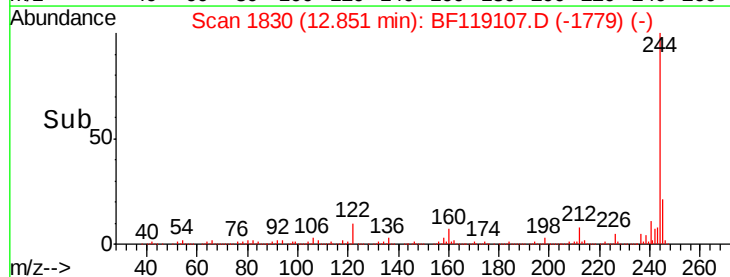
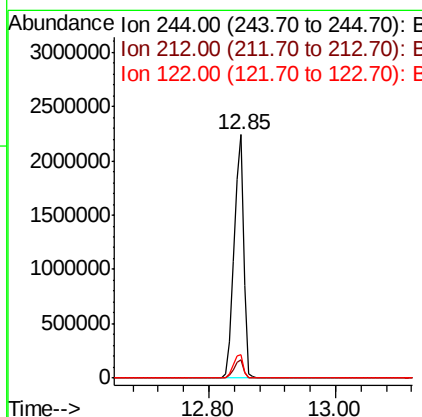
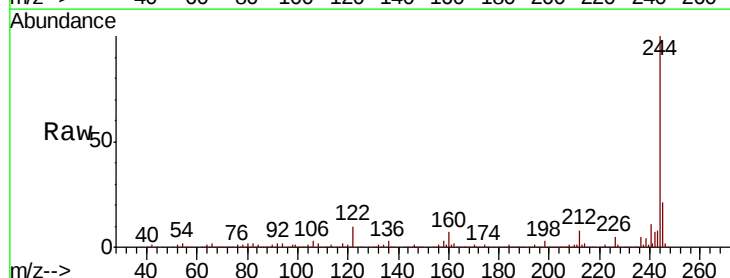
Instrument :  
 BNA\_F  
 ClientSampleId :

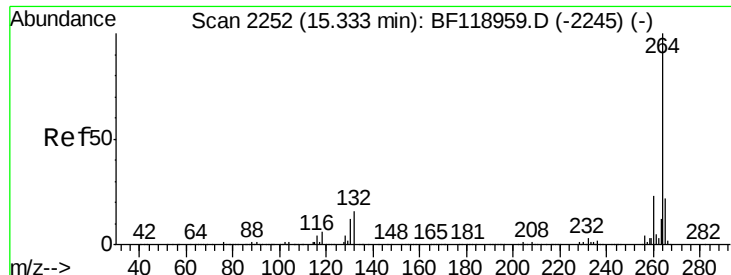
Tot Ion:240 Resp: 479829  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.4 12.6  
 236 25.5 21.0 31.4



#79  
 Terphenyl-d14  
 Concen: 82.406 ng  
 RT: 12.85 min Scan# 1830  
 Delta R.T. -0.00 min  
 Lab File: BF119107.D  
 Acq: 27 Feb 2020 13:39

Tgt Ion:244 Resp: 2296654  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.6 10.0  
 122 9.8 8.2 12.2

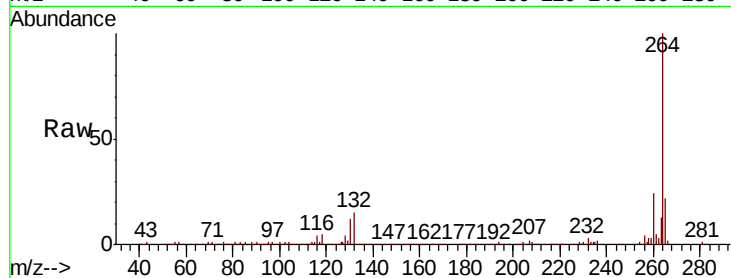




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. 0.01 min  
 Lab File: BF119107.D  
 Acq: 27 Feb 2020 13:39

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 363949 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 19.4  | 29.2   |
| 265      | 21.8  | 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

