

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\  
 Data File : BF118871.D  
 Acq On : 10 Feb 2020 15:52  
 Operator : CG/JU  
 Sample : PB126704BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126704BL

Quant Time: Feb 11 00:15:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

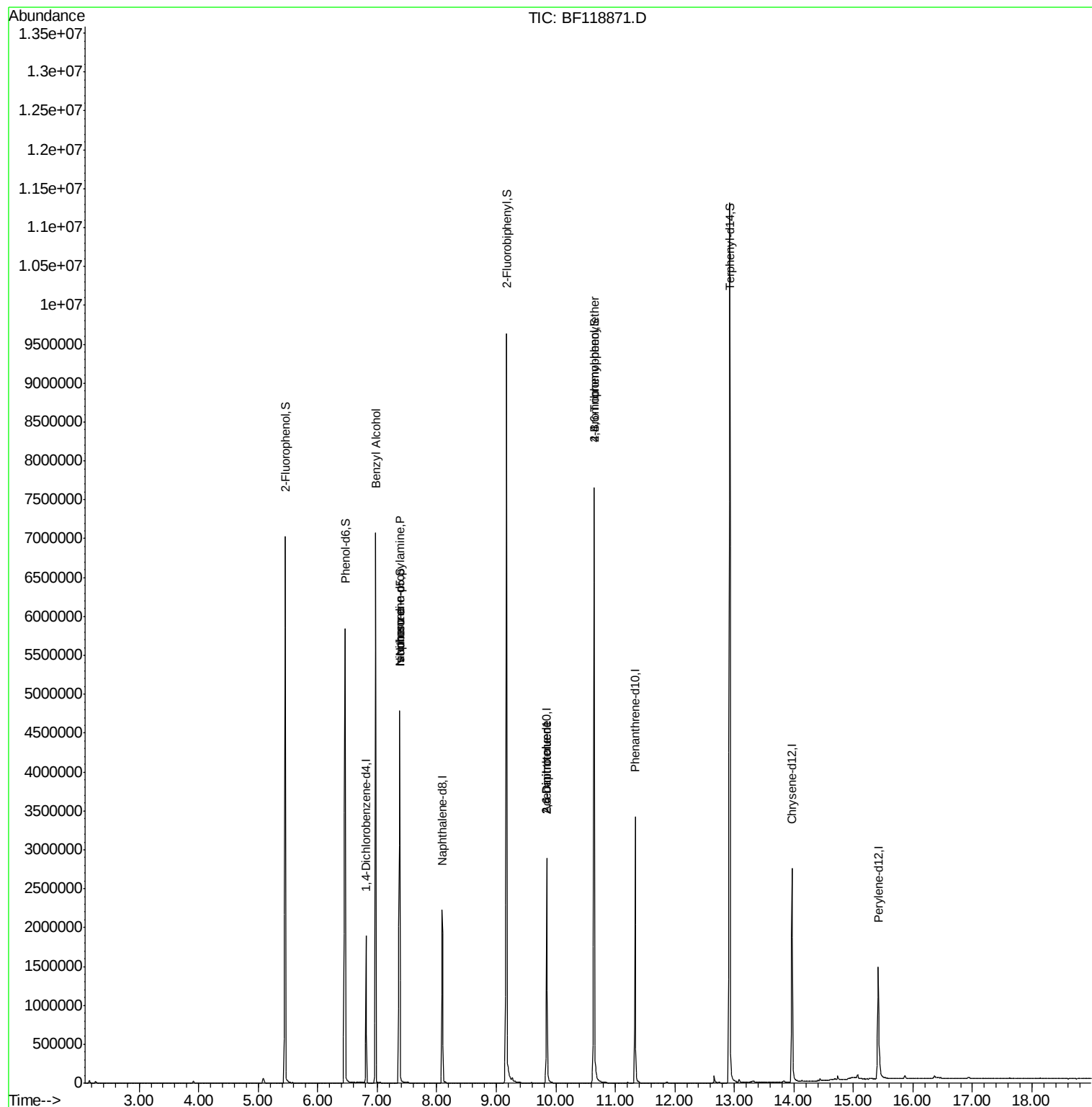
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 300103   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 1179743  | 20.00     | ng       | -0.01    |
| 39) Acenaphthene-d10           | 9.85  | 164  | 705675   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10           | 11.33 | 188  | 1384939  | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12               | 13.97 | 240  | 1149156  | 20.00     | ng       | -0.01    |
| 87) Perylene-d12               | 15.42 | 264  | 912264   | 20.00     | ng       | -0.01    |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 2363679  | 149.09    | ng       | 0.02     |
| 7) Phenol-d6                   | 6.46  | 99   | 2941824  | 149.48    | ng       | 0.01     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 2029365  | 102.53    | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.65 | 330  | 1333668  | 157.95    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 4007857  | 101.53    | ng       | 0.00     |
| 79) Terphenyl-d14              | 12.93 | 244  | 5492498  | 98.17     | ng       | 0.00     |
| Target Compounds               |       |      |          |           |          |          |
| 9) Benzaldehyde                | 6.46  | 77   | 5098     | Below Cal | Qvalue # | 1        |
| 15) Benzyl Alcohol             | 6.97  | 79   | 33077    | 2.174 ng  | #        | 47       |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 284330   | 23.613 ng | #        | 76       |
| 25) Isophorone                 | 7.38  | 82   | 2029340  | 57.049 ng | #        | 63       |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 89646    | 8.154 ng  | #        | 31       |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 89811    | 6.173 ng  | #        | 34       |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 87380    | 5.333 ng  | #        | 1        |

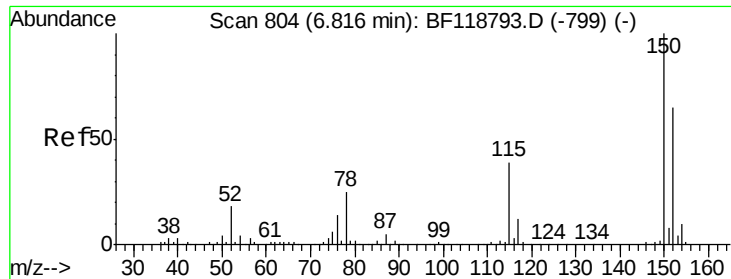
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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PB126704BL

Quant Time: Feb 11 00:15:23 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 03 16:26:03 2020  
Response via : Initial Calibration



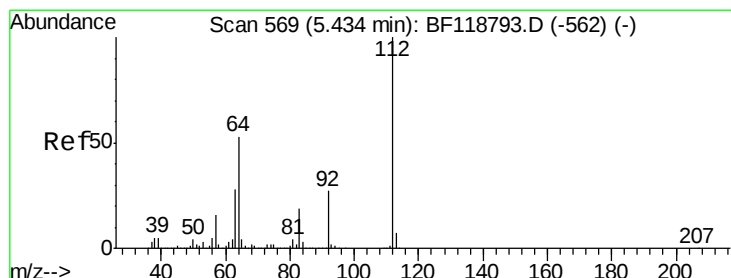
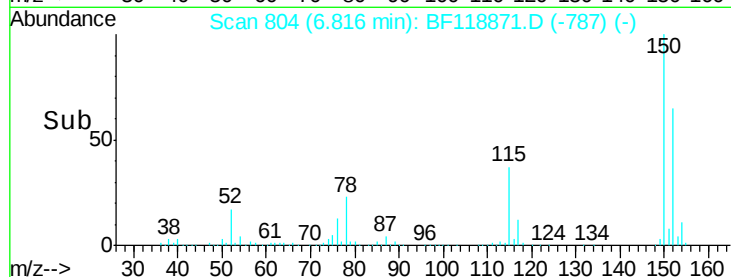
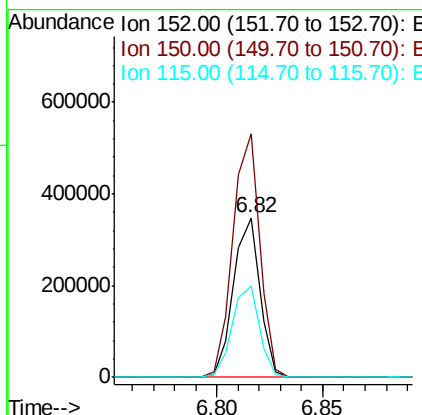
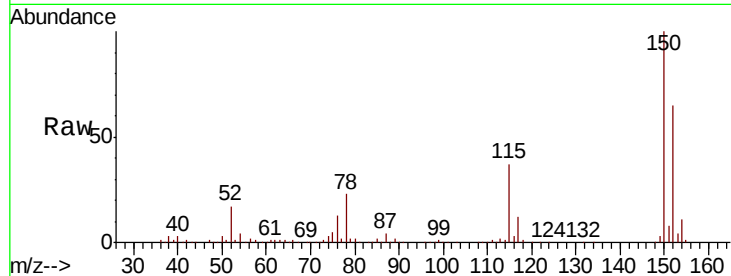


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB126704BL

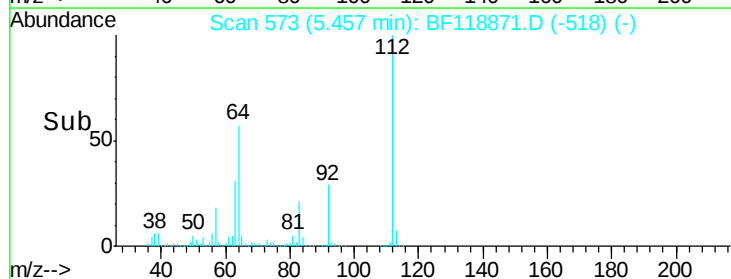
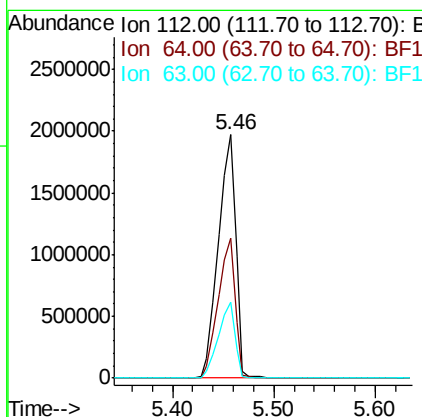
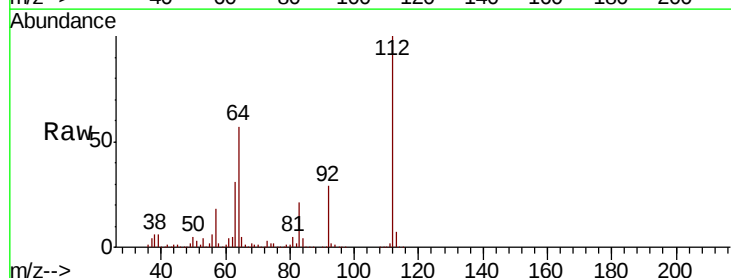
Tot Ion:152 Resp: 300103  
Ion Ratio Lower Upper  
152 100  
150 153.0 123.6 185.4  
115 57.0 48.2 72.2

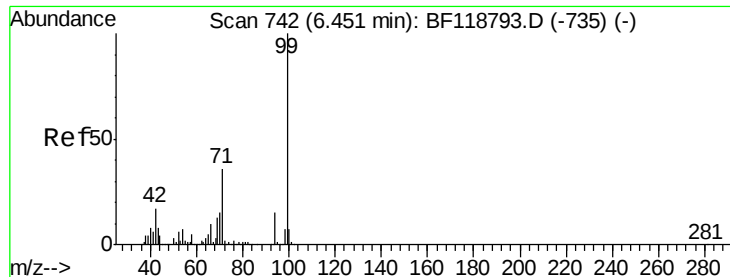


#5

2-Fluorophenol  
Concen: 149.091 ng  
RT: 5.46 min Scan# 573  
Delta R.T. 0.02 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Tgt Ion:112 Resp: 2363679  
Ion Ratio Lower Upper  
112 100  
64 57.4 42.6 63.8  
63 31.1 22.2 33.4





#7

Phenol-d6

Concen: 149.481 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

Instrument :

BNA\_F

ClientSampleId :

PB126704BL

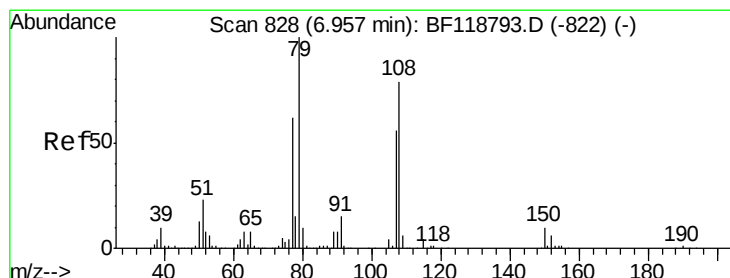
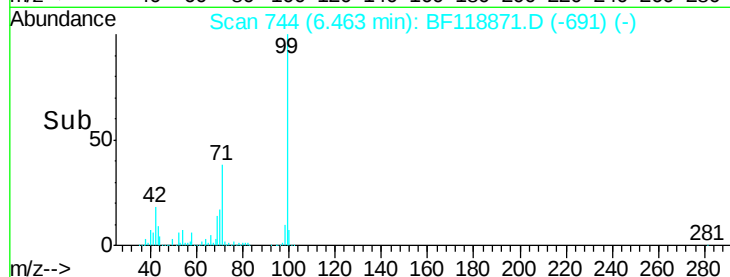
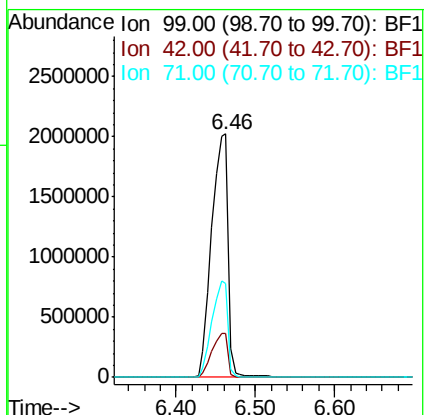
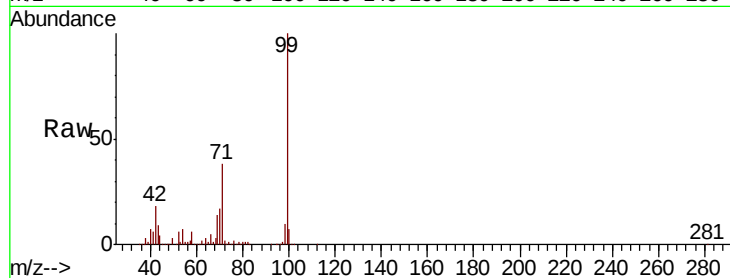
Tot Ion: 99 Resp: 2941824

Ion Ratio Lower Upper

99 100

42 17.9 13.4 20.0

71 38.5 29.0 43.6



#15

Benzyl Alcohol

Concen: 2.174 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.02 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

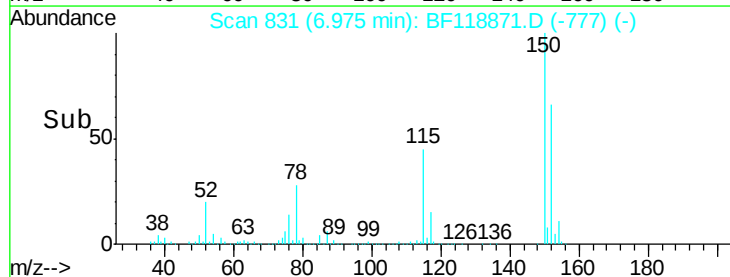
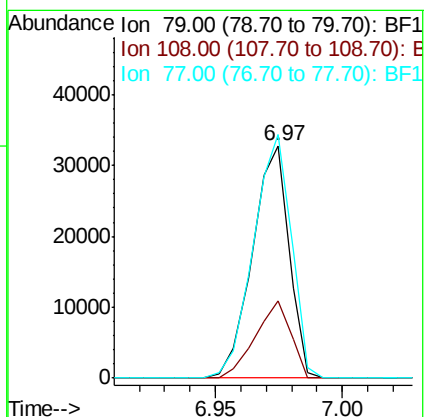
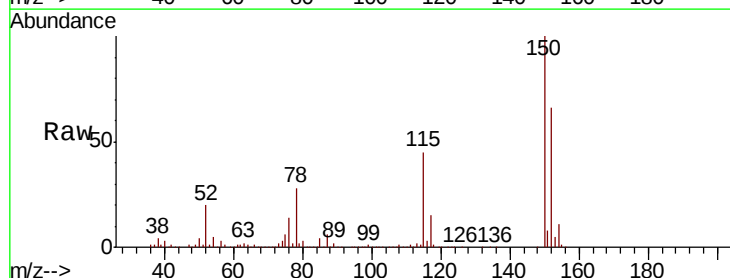
Tgt Ion: 79 Resp: 33077

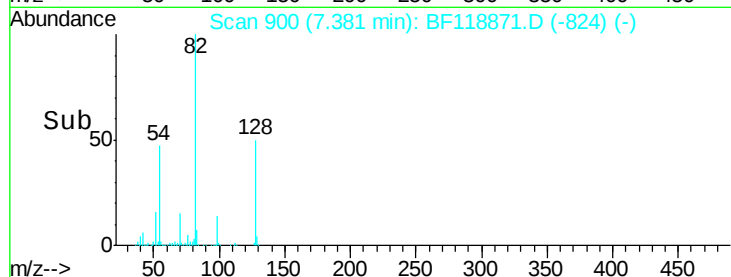
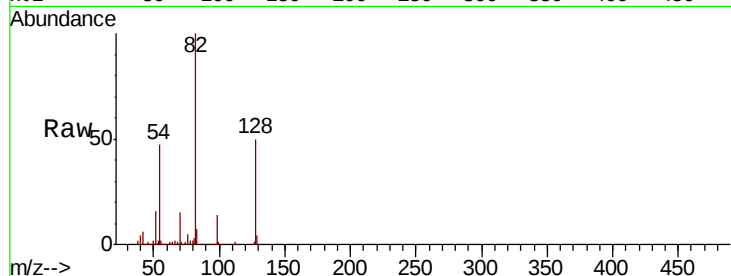
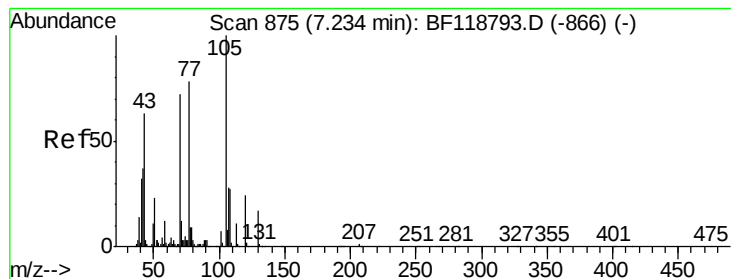
Ion Ratio Lower Upper

79 100

108 33.3 62.9 94.3#

77 104.6 50.0 75.0#





#19

n-Nitroso-di-n-propylamine

Concen: 23.613 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

Instrument :

BNA\_F

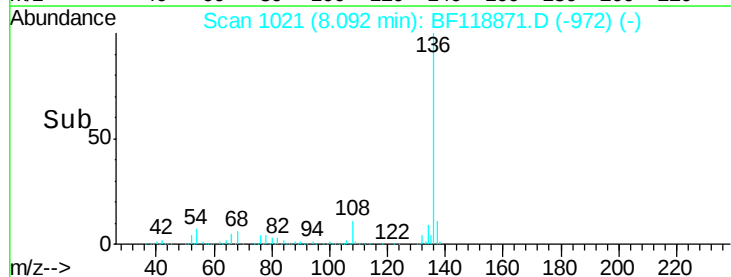
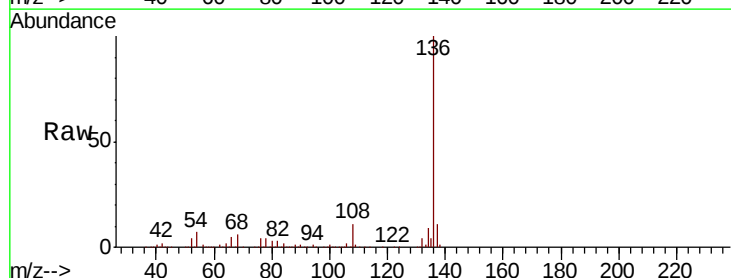
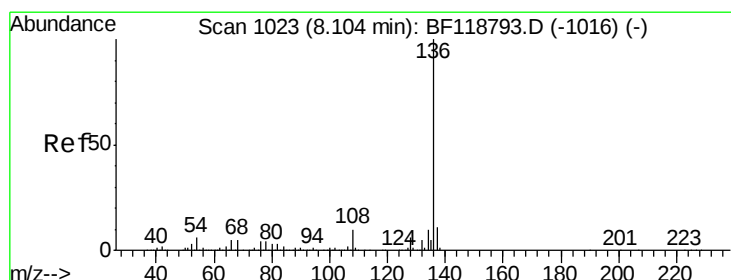
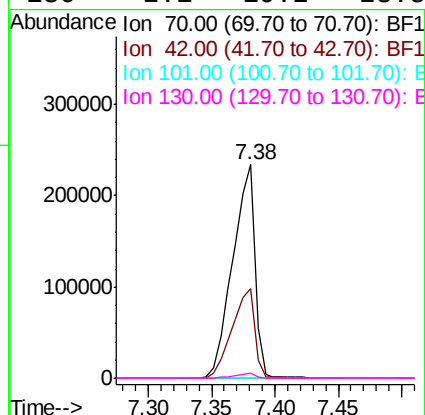
ClientSampleId :

PB126704BL

Tot Ion: 70 Resp: 284330

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 70  | 100  |      |       |
| 42  | 42.1 | 41.5 | 62.3  |
| 101 | 0.0  | 8.3  | 12.5# |
| 130 | 2.1  | 19.2 | 28.8# |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

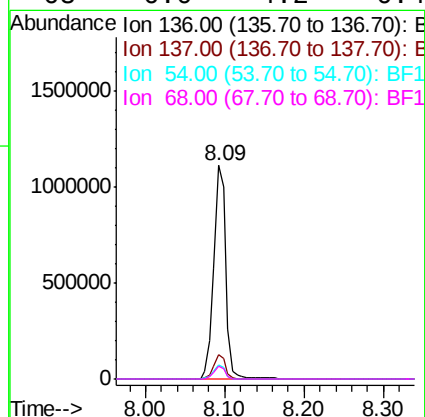
Lab File: BF118871.D

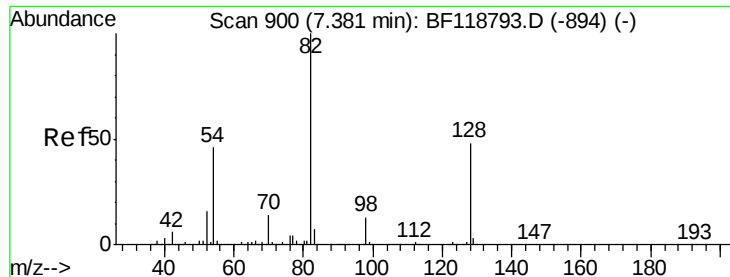
Acq: 10 Feb 2020 15:52

Tgt Ion: 136 Resp: 1179743

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 11.3 | 8.7 | 13.1 |
| 54  | 6.8  | 5.0 | 7.6  |
| 68  | 6.0  | 4.2 | 6.4  |

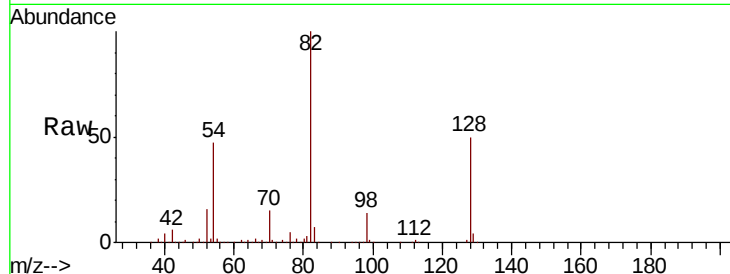




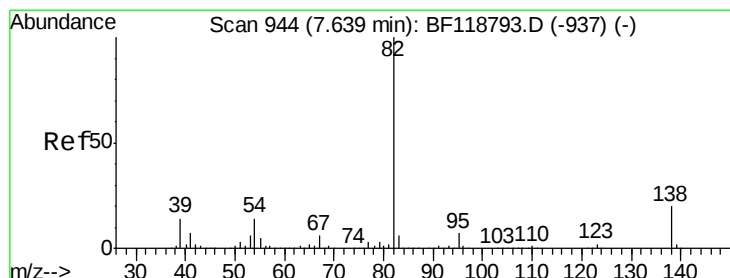
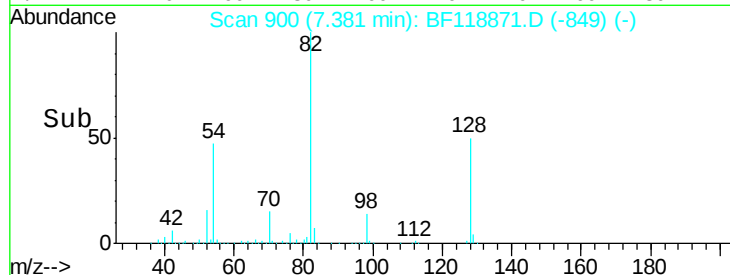
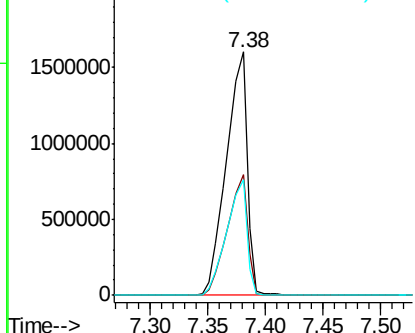
#23  
Nitrobenzene-d5  
Concen: 102.531 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB126704BL

Tot Ion: 82 Resp: 2029365  
Ion Ratio Lower Upper  
82 100  
128 49.8 38.5 57.7  
54 47.2 36.7 55.1

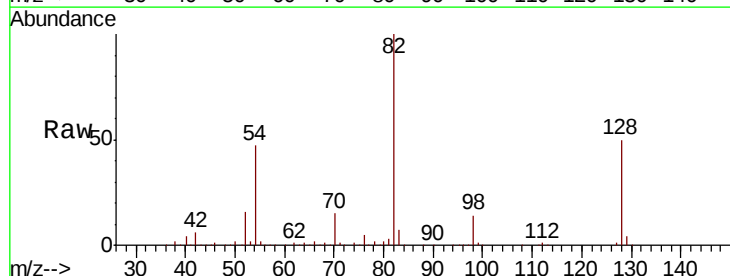


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

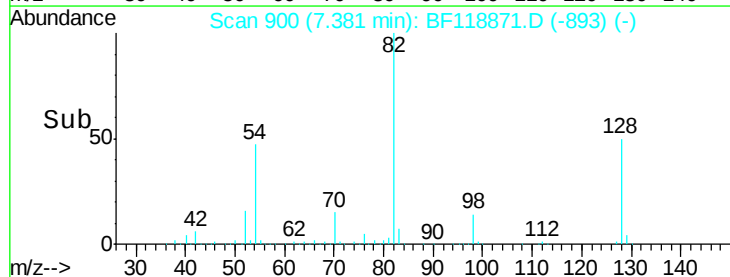
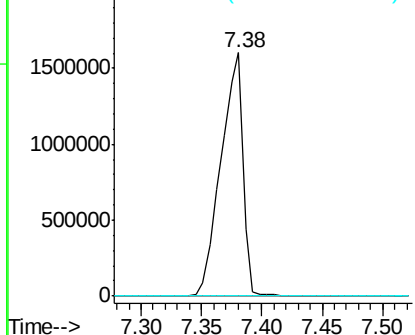


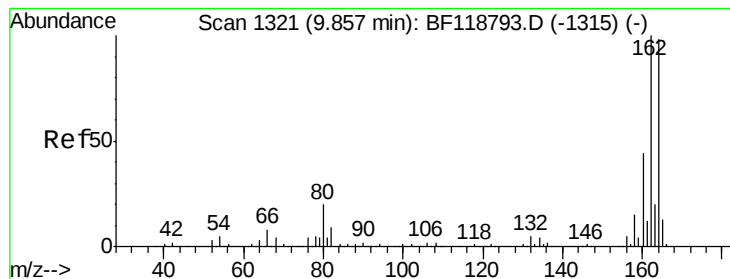
#25  
Isophorone  
Concen: 57.049 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.26 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Tgt Ion: 82 Resp: 2029340  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

Instrument :

BNA\_F

ClientSampleId :

PB126704BL

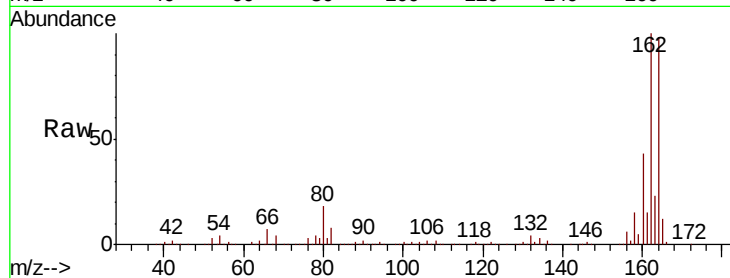
Tot Ion:164 Resp: 705675

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.2

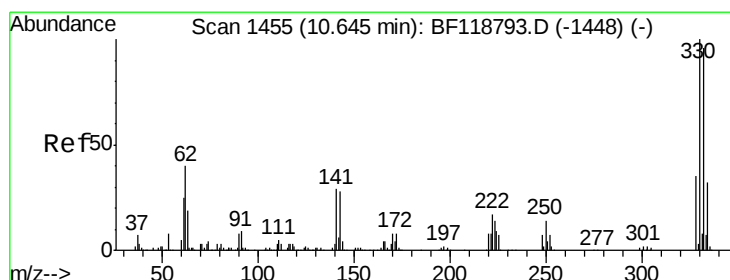
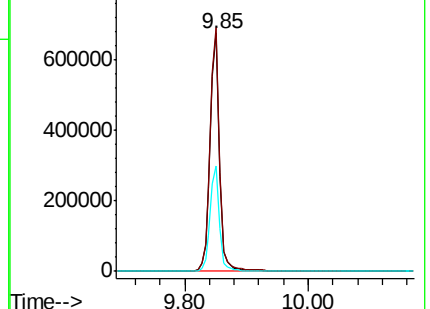
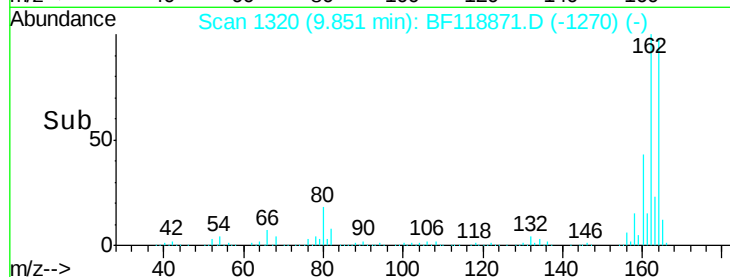
160 44.3 35.6 53.4



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: 157.950 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

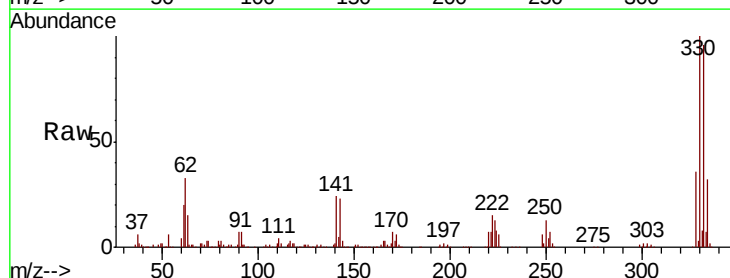
Tgt Ion:330 Resp: 1333668

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

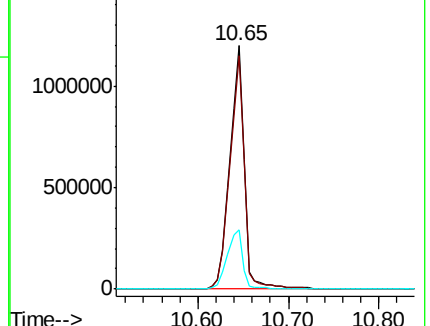
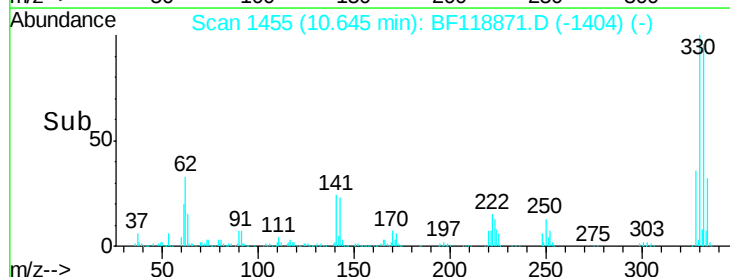
141 26.9 22.4 33.6

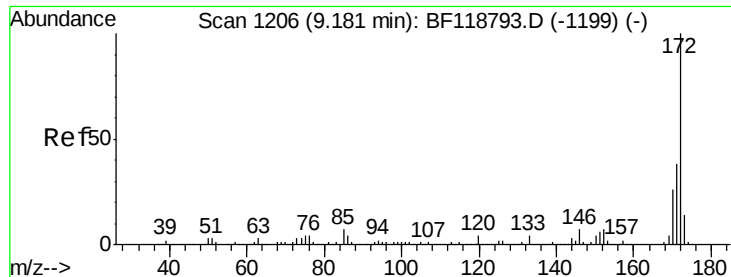


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

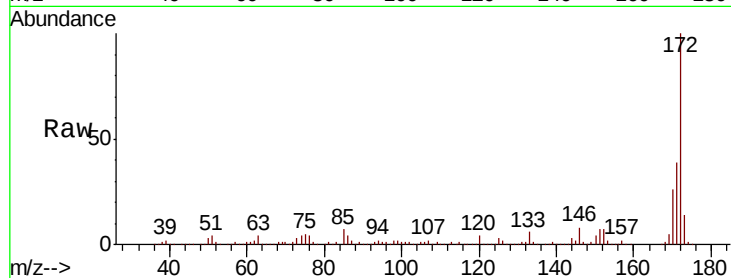




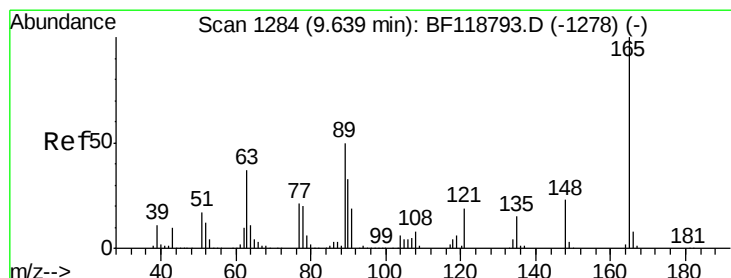
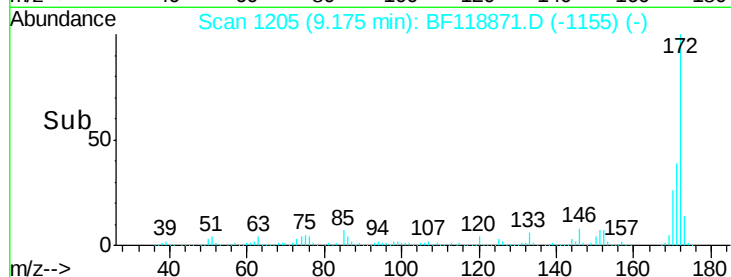
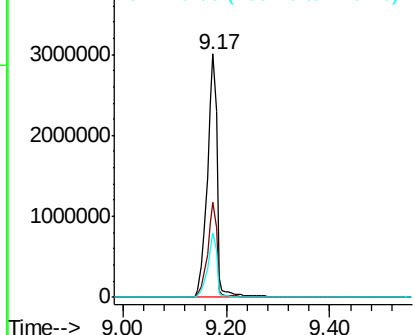
#45  
 2-Fluorobiphenyl  
 Concen: 101.532 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BF118871.D  
 Acq: 10 Feb 2020 15:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126704BL

Tot Ion:172 Resp: 4007857  
 Ion Ratio Lower Upper  
 172 100  
 171 39.2 30.8 46.2  
 170 26.2 20.5 30.7

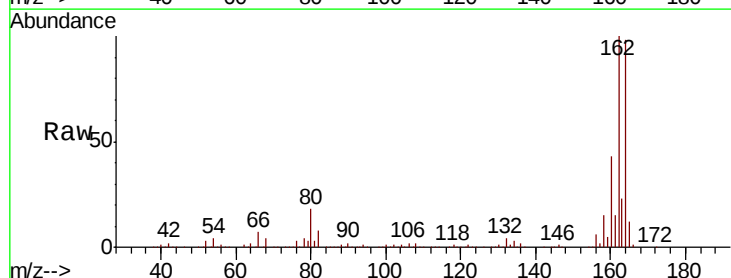


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

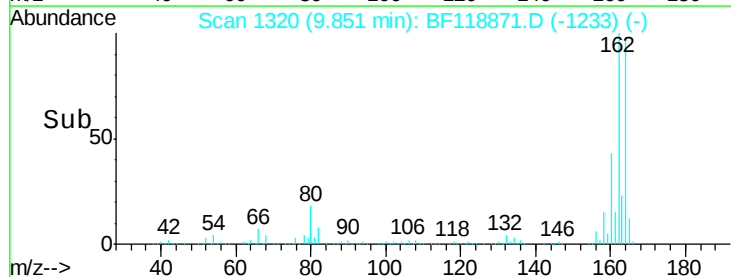
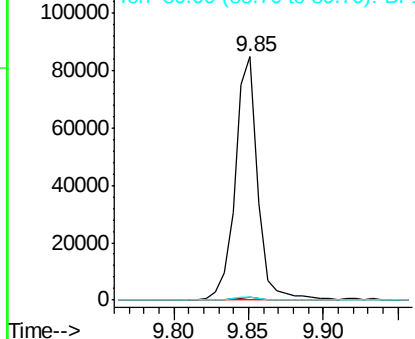


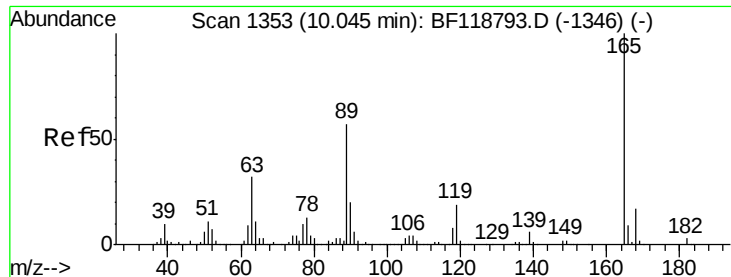
#51  
 2,6-Dinitrotoluene  
 Concen: 8.154 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. 0.21 min  
 Lab File: BF118871.D  
 Acq: 10 Feb 2020 15:52

Tgt Ion:165 Resp: 89646  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 37.4 56.0#  
 89 1.3 39.7 59.5#



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

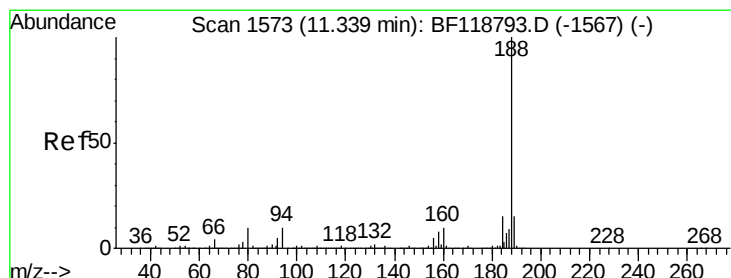
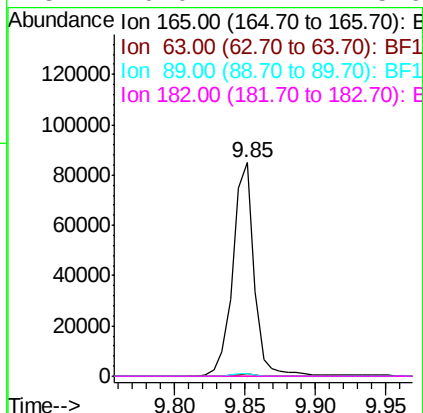
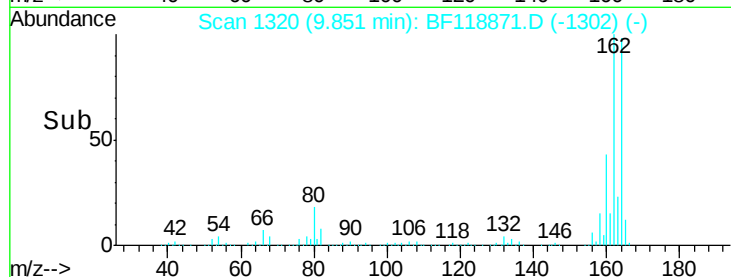
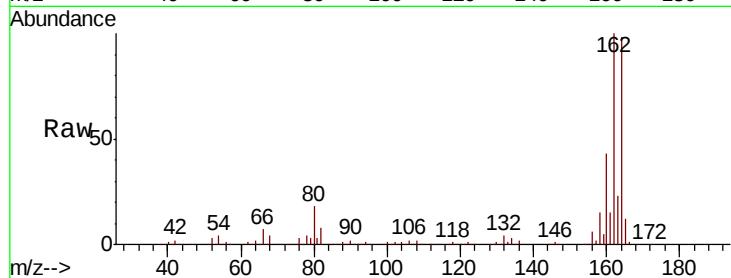




#57  
2,4-Dinitrotoluene  
Concen: 6.173 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.19 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

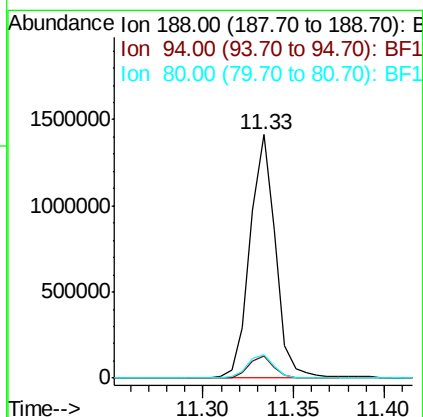
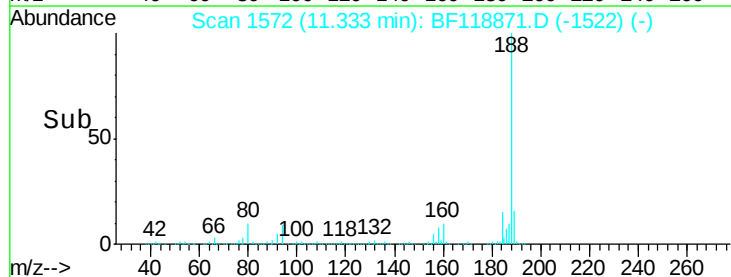
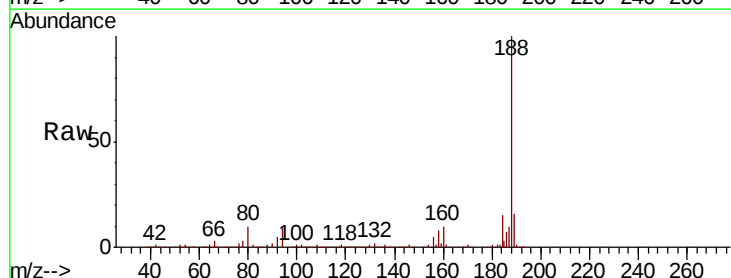
Instrument :  
BNA\_F  
ClientSampleId :  
PB126704BL

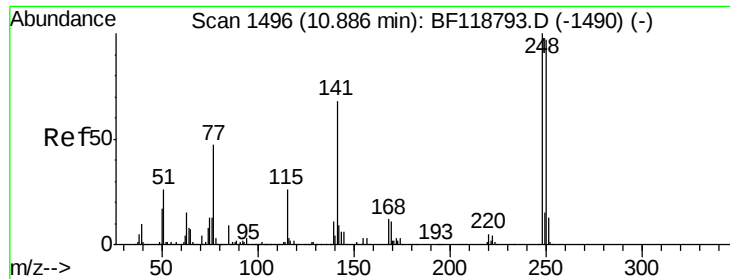
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 25.5  | 38.3# |
| 89      | 1.3   | 45.4  | 68.0# |
| 182     | 0.0   | 2.4   | 3.6#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 7.9   | 11.9  |
| 80      | 9.9   | 8.4   | 12.6  |

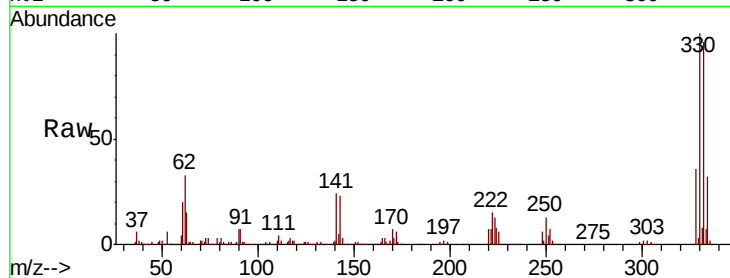




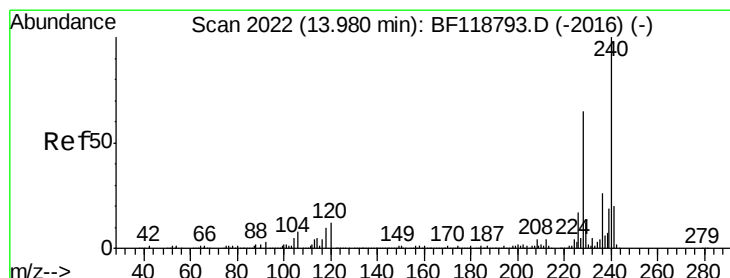
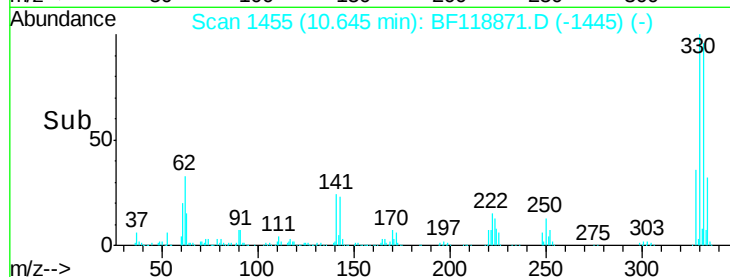
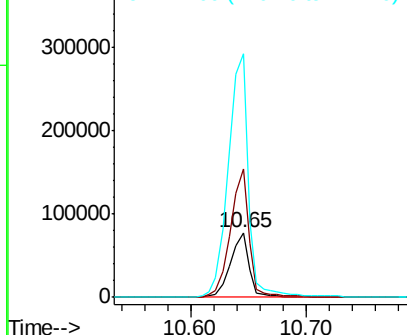
#67  
4-Bromophenyl-phenylether  
Concen: 5.333 ng  
RT: 10.65 min Scan# 1455  
Delta R.T. -0.24 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB126704BL

Tot Ion:248 Resp: 87380  
Ion Ratio Lower Upper  
248 100  
250 199.3 77.6 116.4#  
141 377.6 54.4 81.6#

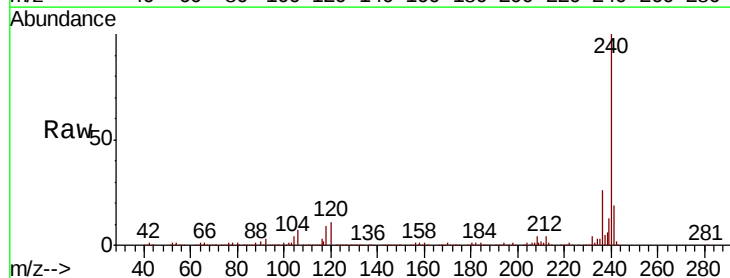


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

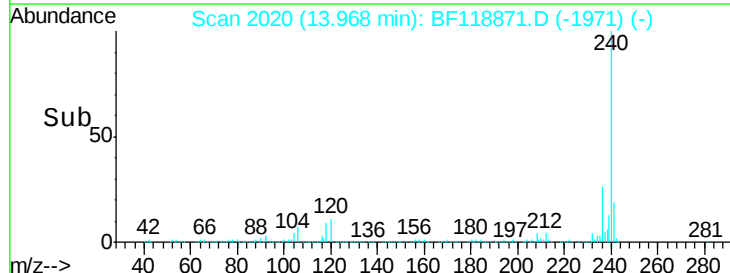
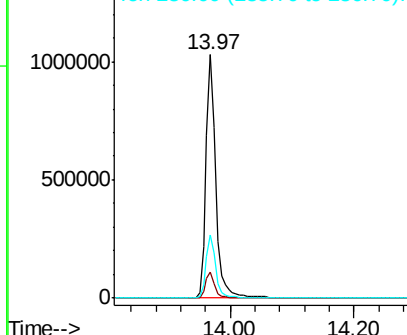


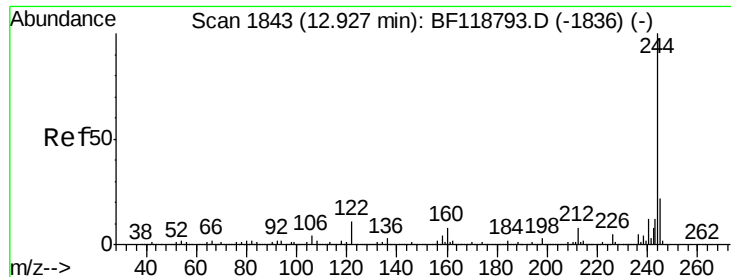
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF118871.D  
Acq: 10 Feb 2020 15:52

Tgt Ion:240 Resp: 1149156  
Ion Ratio Lower Upper  
240 100  
120 10.5 9.4 14.0  
236 26.2 21.0 31.6



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: 98.175 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

Instrument :

BNA\_F

ClientSampleId :

PB126704BL

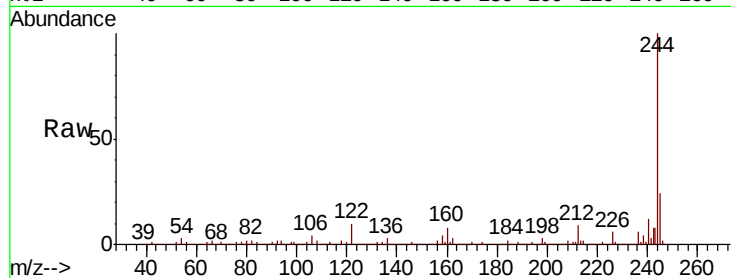
Tot Ion:244 Resp: 5492498

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

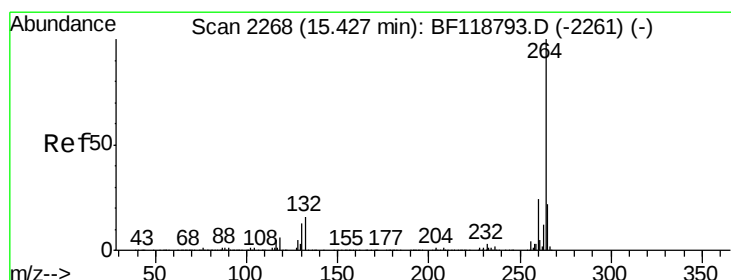
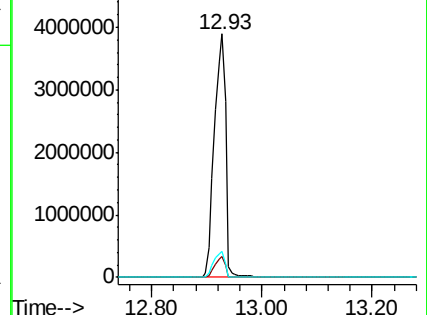
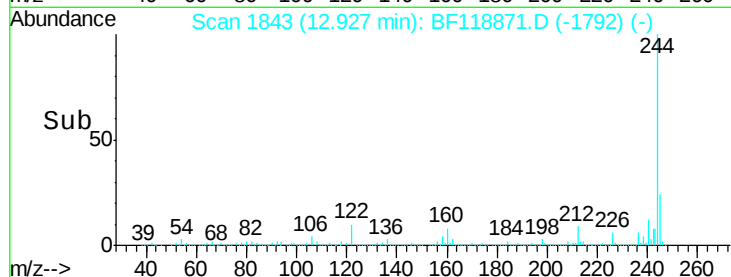
122 10.5 8.9 13.3



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: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118871.D

Acq: 10 Feb 2020 15:52

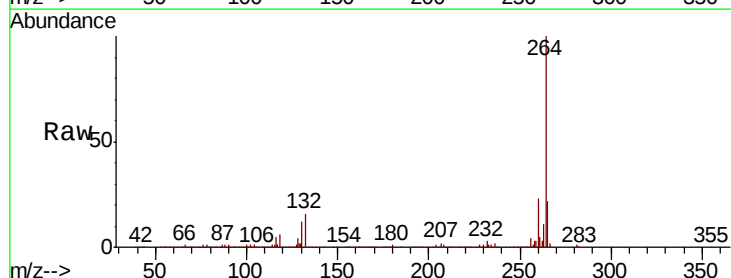
Tgt Ion:264 Resp: 912264

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 21.6 17.2 25.8



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

