

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092320\  
 Data File : BF121670.D  
 Acq On : 23 Sep 2020 16:31  
 Operator : JU/CG  
 Sample : PB131842TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131842TB

Quant Time: Sep 23 17:36:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:53:26 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 159757   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 612376   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 313843   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 587944   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.97 | 240  | 488565   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.42 | 264  | 442052   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 1102678  | 102.58 | ng    | 0.02     |
| 7) Phenol-d6                | 6.45  | 99   | 1435849  | 101.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 980832   | 86.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 419399   | 107.52 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 1662249  | 80.22  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 1737693  | 72.06  | ng    | 0.00     |

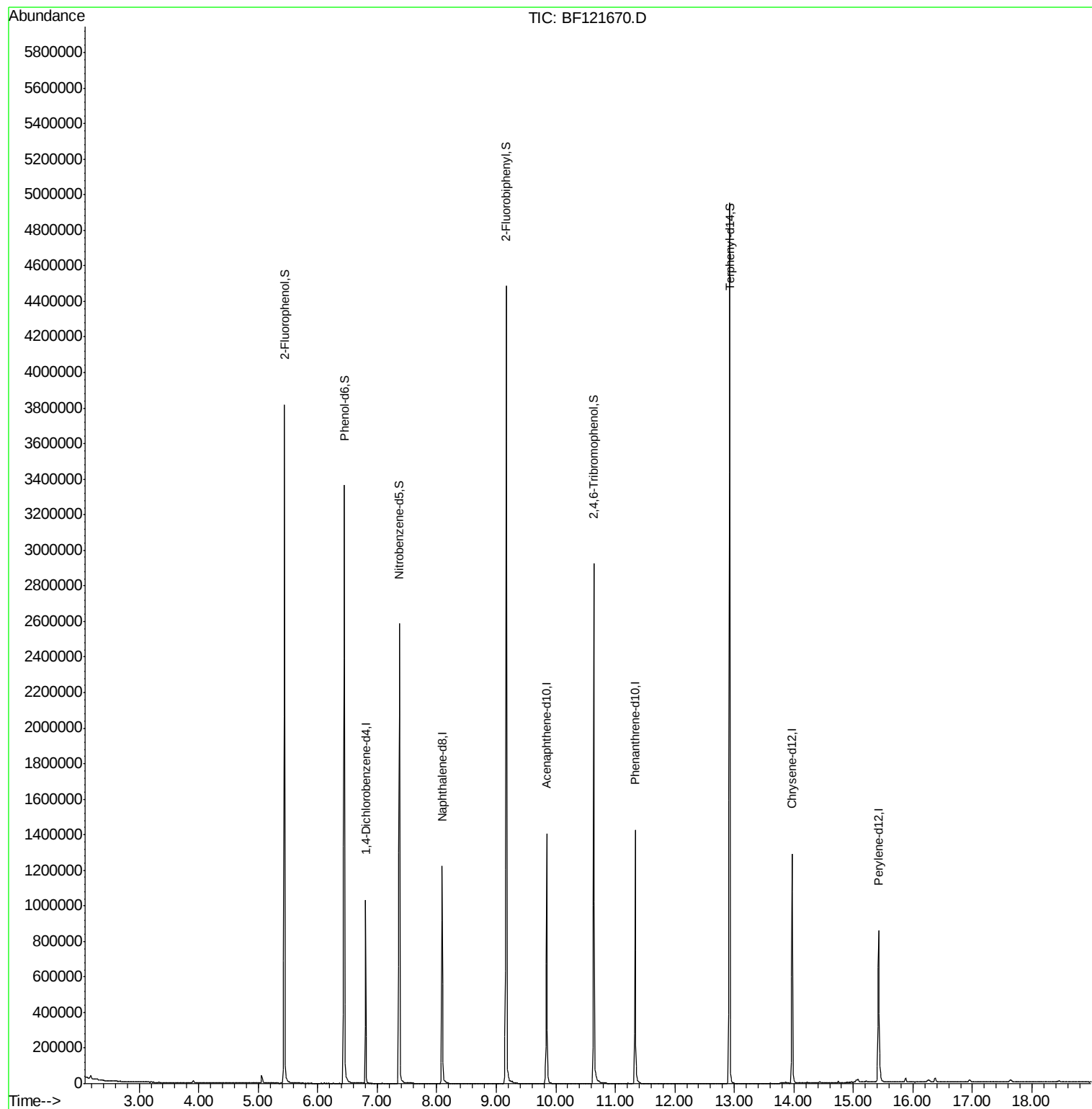
Target Compounds Qvalue

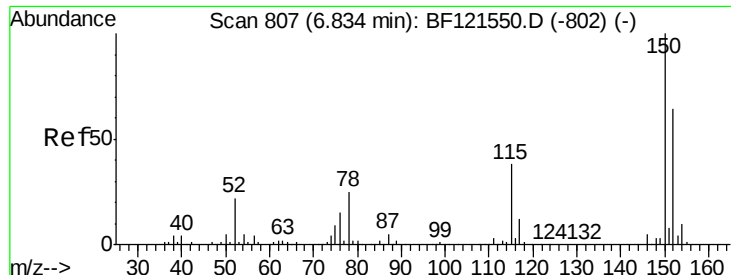
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092320\  
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Sample : PB131842TB  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB131842TB

Quant Time: Sep 23 17:36:29 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 22 17:53:26 2020  
Response via : Initial Calibration



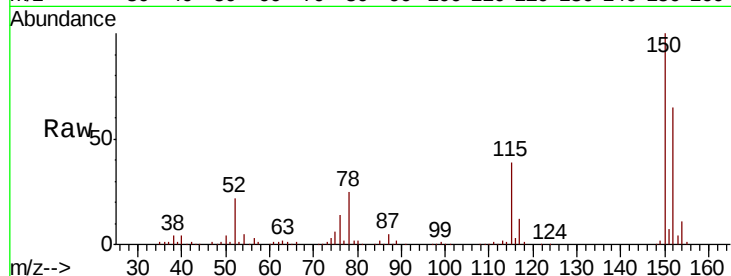


#1

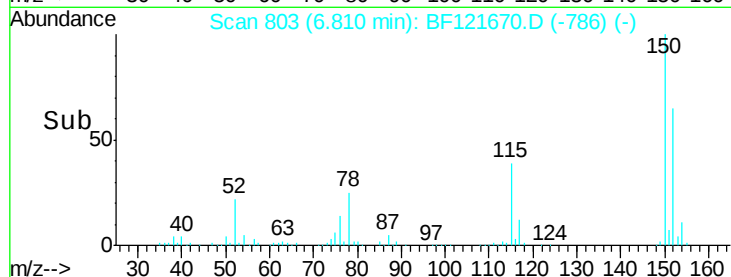
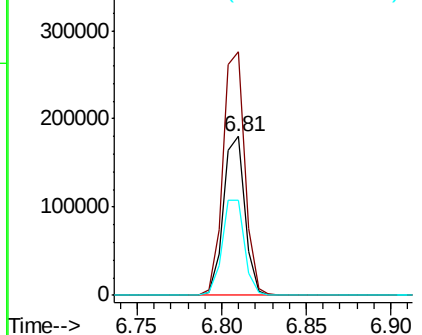
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.00 min  
Lab File: BF121670.D  
Acq: 23 Sep 2020 16:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB131842TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.6 | 128.1 | 192.1 |
| 115     | 59.8  | 52.6  | 79.0  |



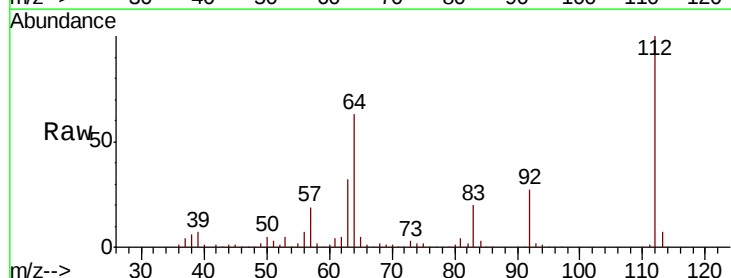
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



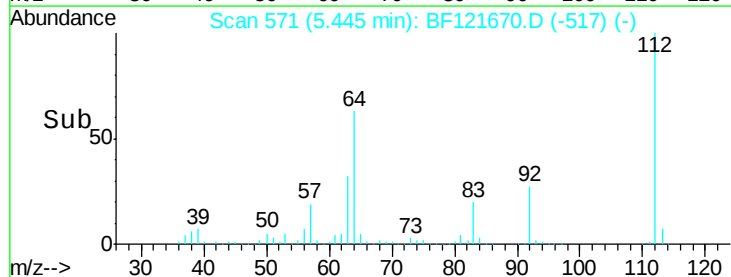
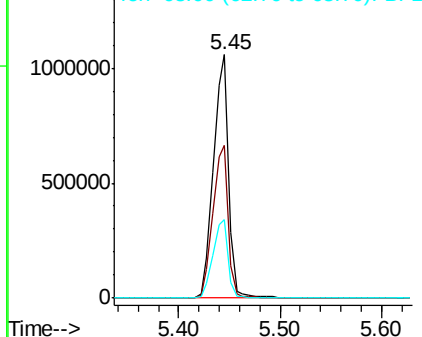
#5

2-Fluorophenol  
Concen: 102.576 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.02 min  
Lab File: BF121670.D  
Acq: 23 Sep 2020 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.8  | 52.2  | 78.2  |
| 63      | 32.4  | 26.6  | 39.8  |



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: 101.810 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

Instrument :

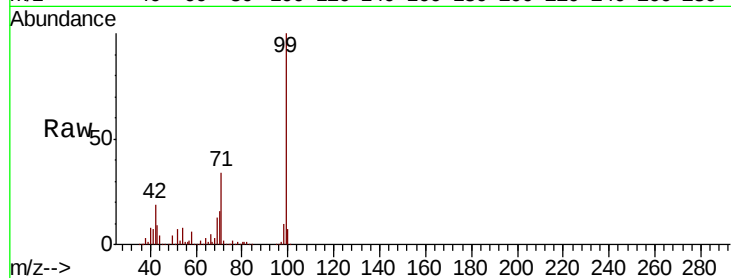
BNA\_F

ClientSampleId :

PB131842TB

Tot Ion: 99 Resp: 1435849

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 15.5  | 23.3  |
| 71  | 34.3  | 27.4  | 41.2  |

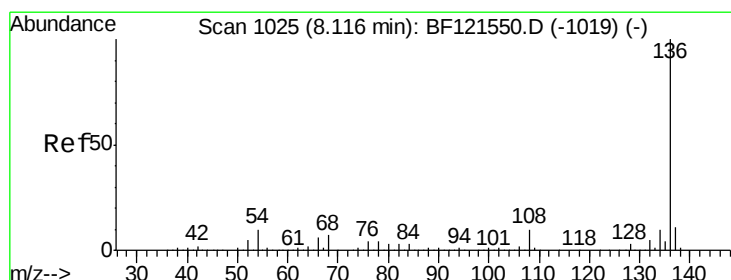
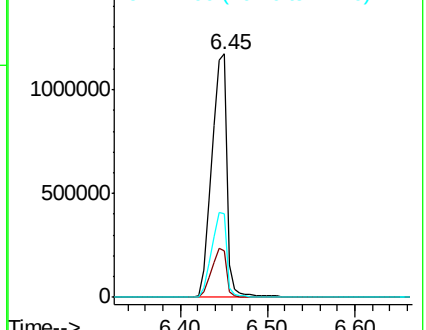
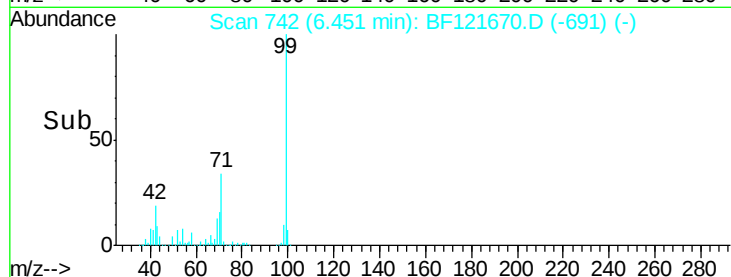


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

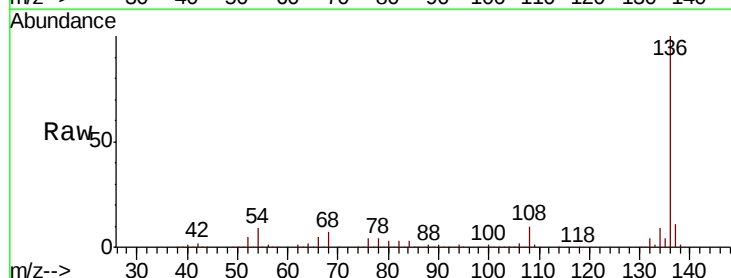
Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

Tgt Ion: 136 Resp: 612376

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.9   | 13.3  |
| 54  | 9.1   | 7.4   | 11.0  |
| 68  | 6.6   | 5.3   | 7.9   |



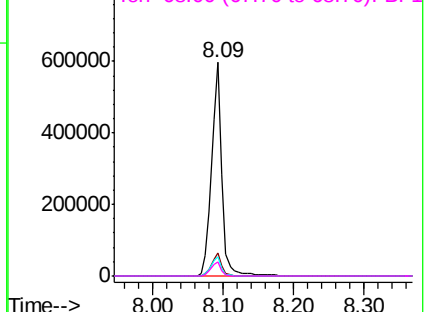
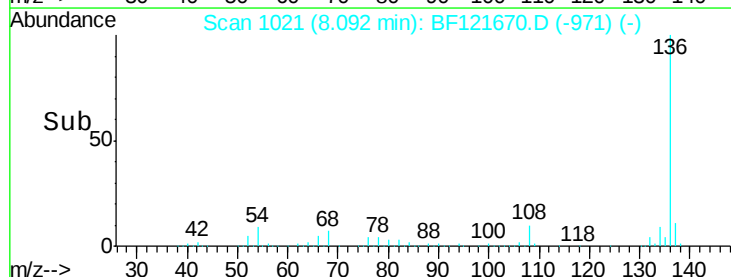
Abundance

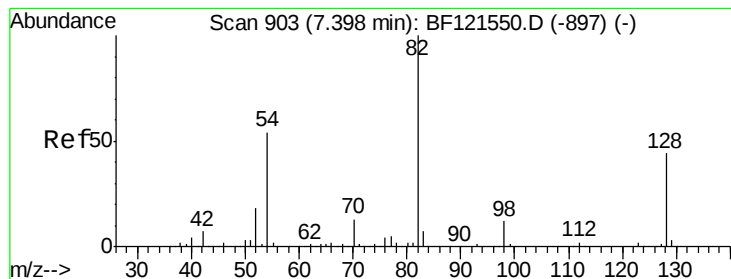
Ion 136.00 (135.70 to 136.70): E

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: 85.997 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

Instrument :

BNA\_F

ClientSampleId :

PB131842TB

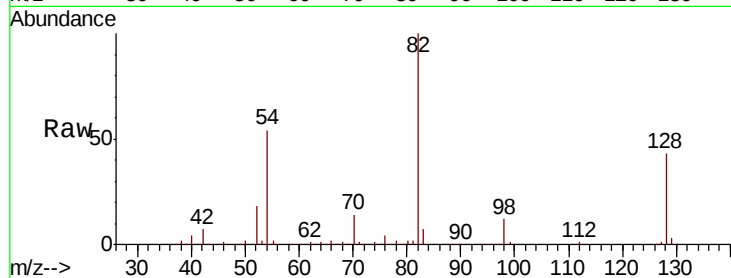
Tot Ion: 82 Resp: 980832

Ion Ratio Lower Upper

82 100

128 43.2 33.9 50.9

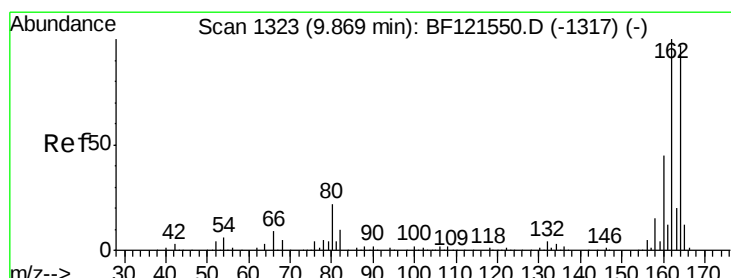
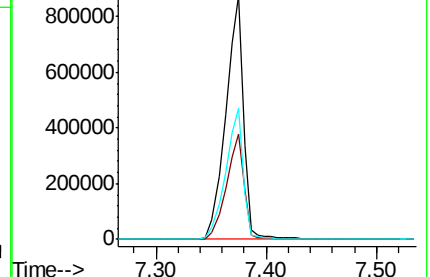
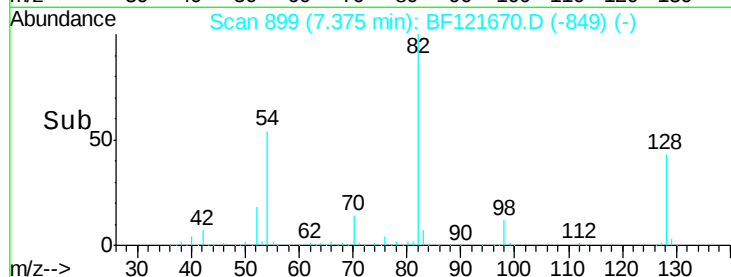
54 53.7 42.9 64.3



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

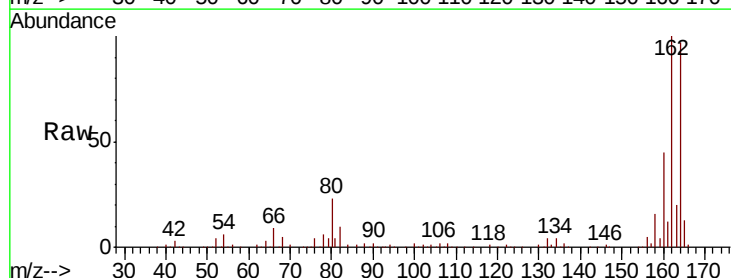
Tgt Ion: 164 Resp: 313843

Ion Ratio Lower Upper

164 100

162 103.3 81.2 121.8

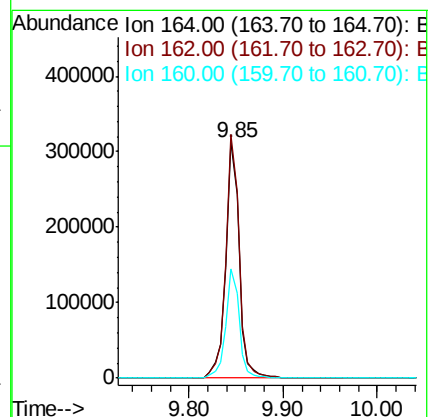
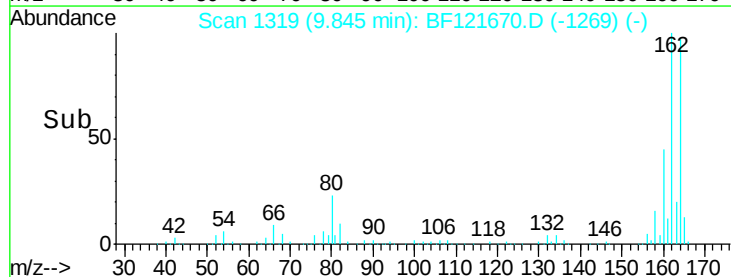
160 46.6 36.2 54.4

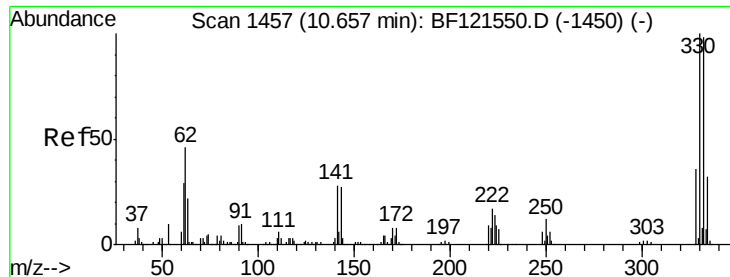


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 107.520 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

Instrument :

BNA\_F

ClientSampleId :

PB131842TB

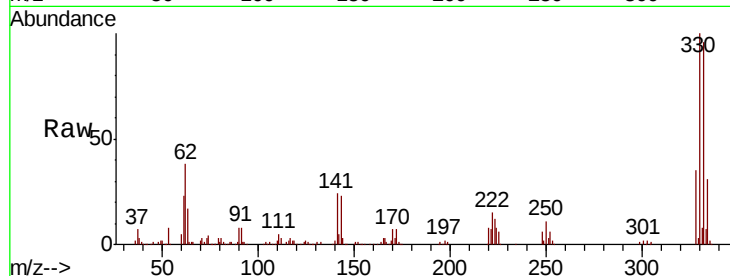
Tot Ion:330 Resp: 419399

Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

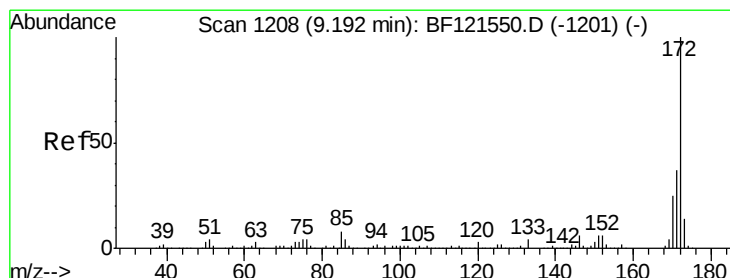
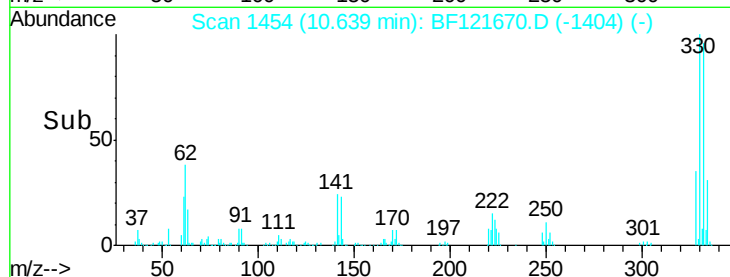
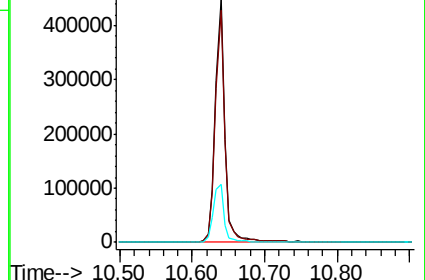
141 27.3 22.4 33.6



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: 80.216 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

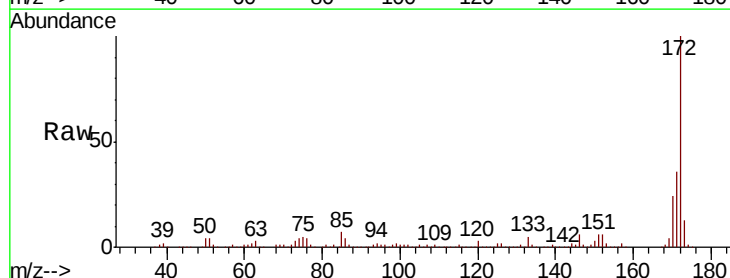
Tgt Ion:172 Resp: 1662249

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

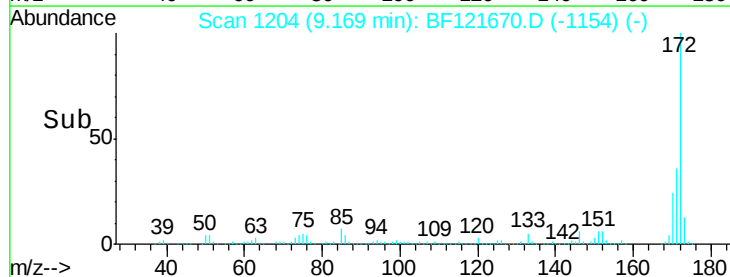
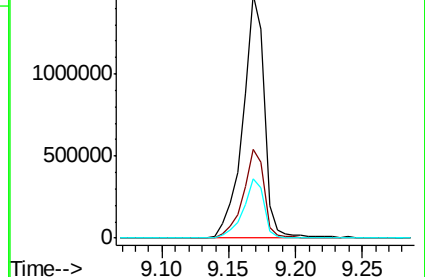
170 24.4 19.5 29.3

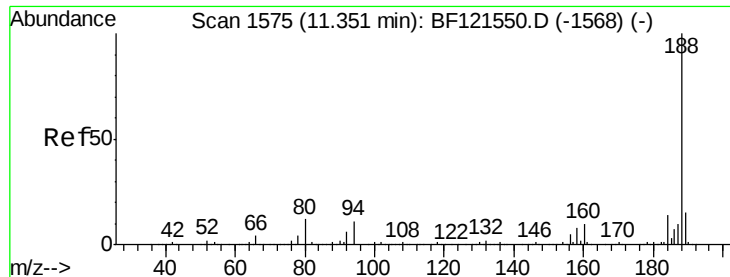


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

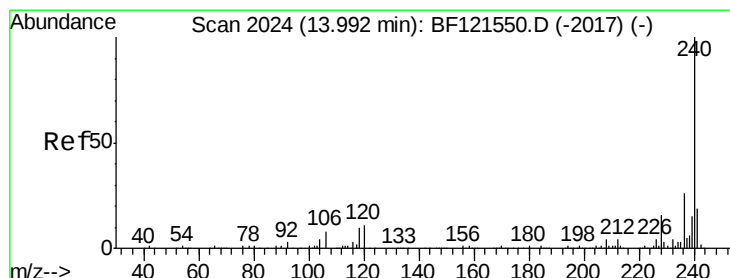
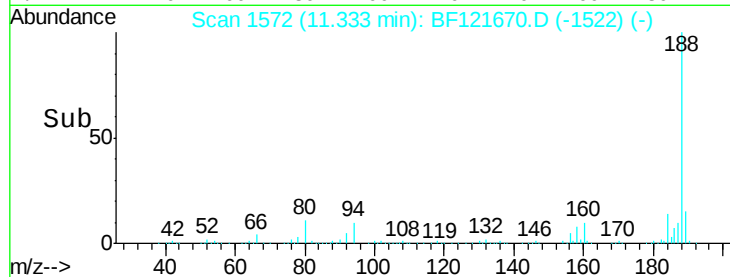
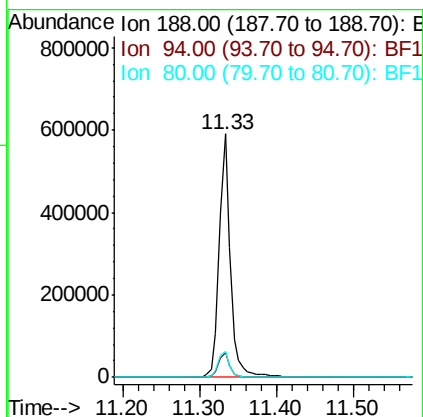
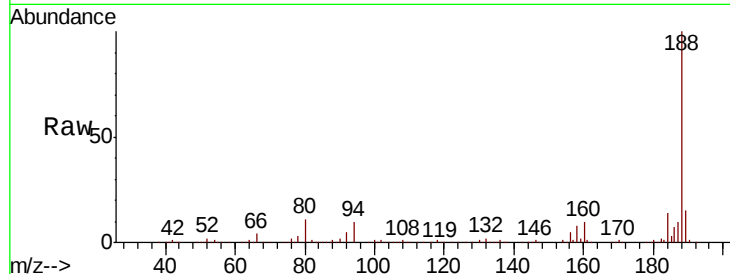




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF121670.D  
Acq: 23 Sep 2020 16:31

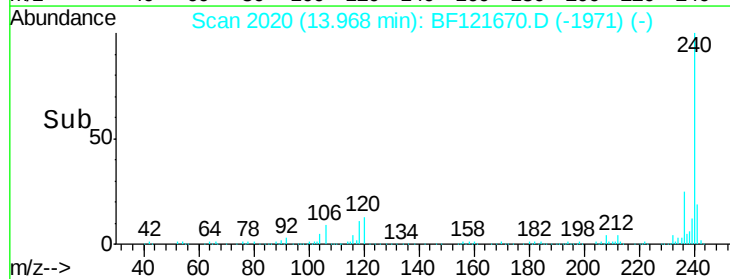
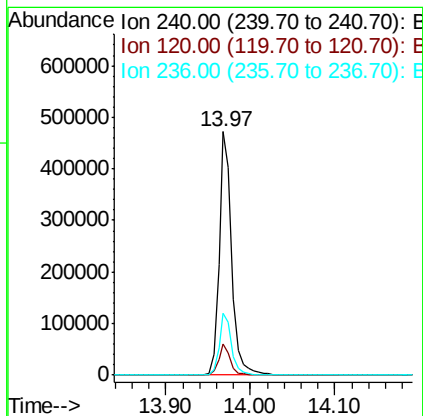
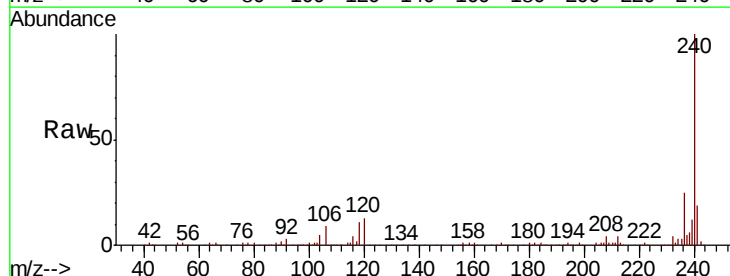
Instrument :  
BNA\_F  
ClientSampleId :  
PB131842TB

Tot Ion:188 Resp: 587944  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.4 12.6  
80 10.9 9.0 13.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF121670.D  
Acq: 23 Sep 2020 16:31

Tgt Ion:240 Resp: 488565  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.2 13.8  
236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 72.056 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

Instrument :

BNA\_F

ClientSampleId :

PB131842TB

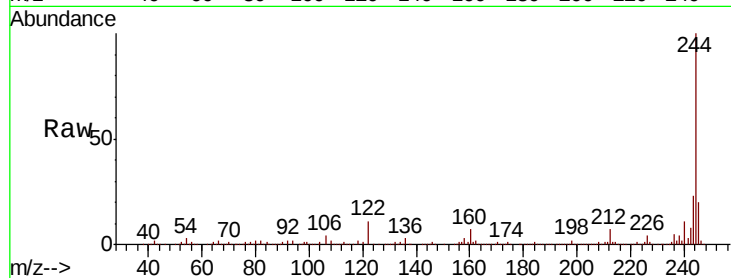
Tot Ion:244 Resp: 1737693

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

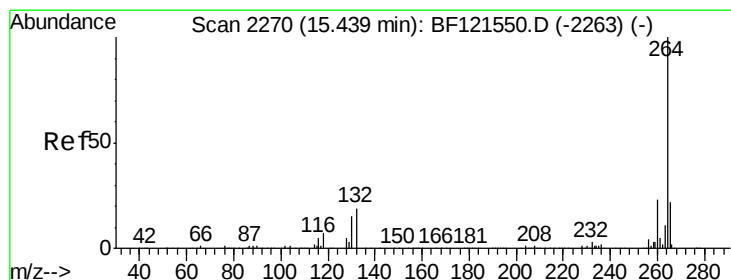
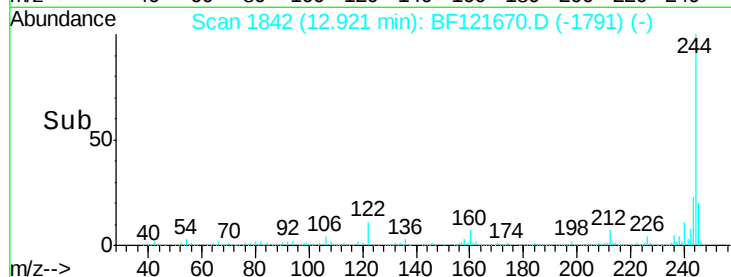
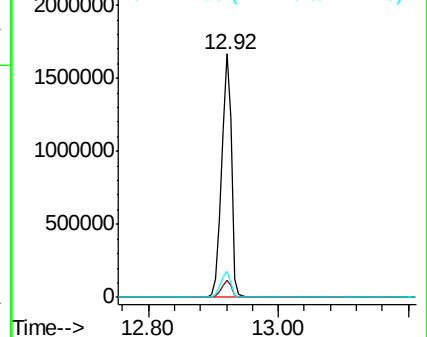
122 10.8 7.4 11.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF121670.D

Acq: 23 Sep 2020 16:31

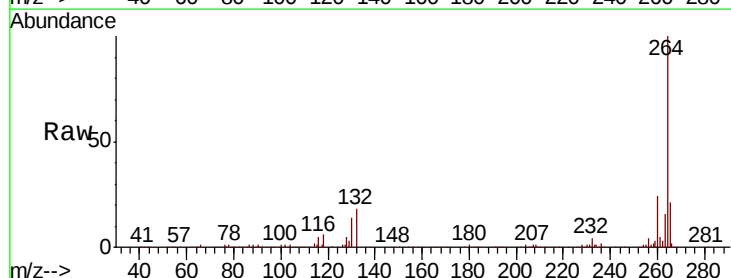
Tgt Ion:264 Resp: 442052

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.0 17.3 25.9



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

