

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091020\  
 Data File : BF121555.D  
 Acq On : 10 Sep 2020 17:19  
 Operator : JU/CG  
 Sample : PB131517BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131517BL

Quant Time: Sep 10 17:53:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 16:47:54 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 205402   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.11  | 136  | 804766   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.86  | 164  | 420866   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.35 | 188  | 794145   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.98 | 240  | 699397   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.44 | 264  | 662975   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 1454426  | 105.23 | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 1900419  | 104.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 1290375  | 86.09  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 583122   | 111.48 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 2157553  | 77.64  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 2377895  | 68.88  | ng    | 0.00     |

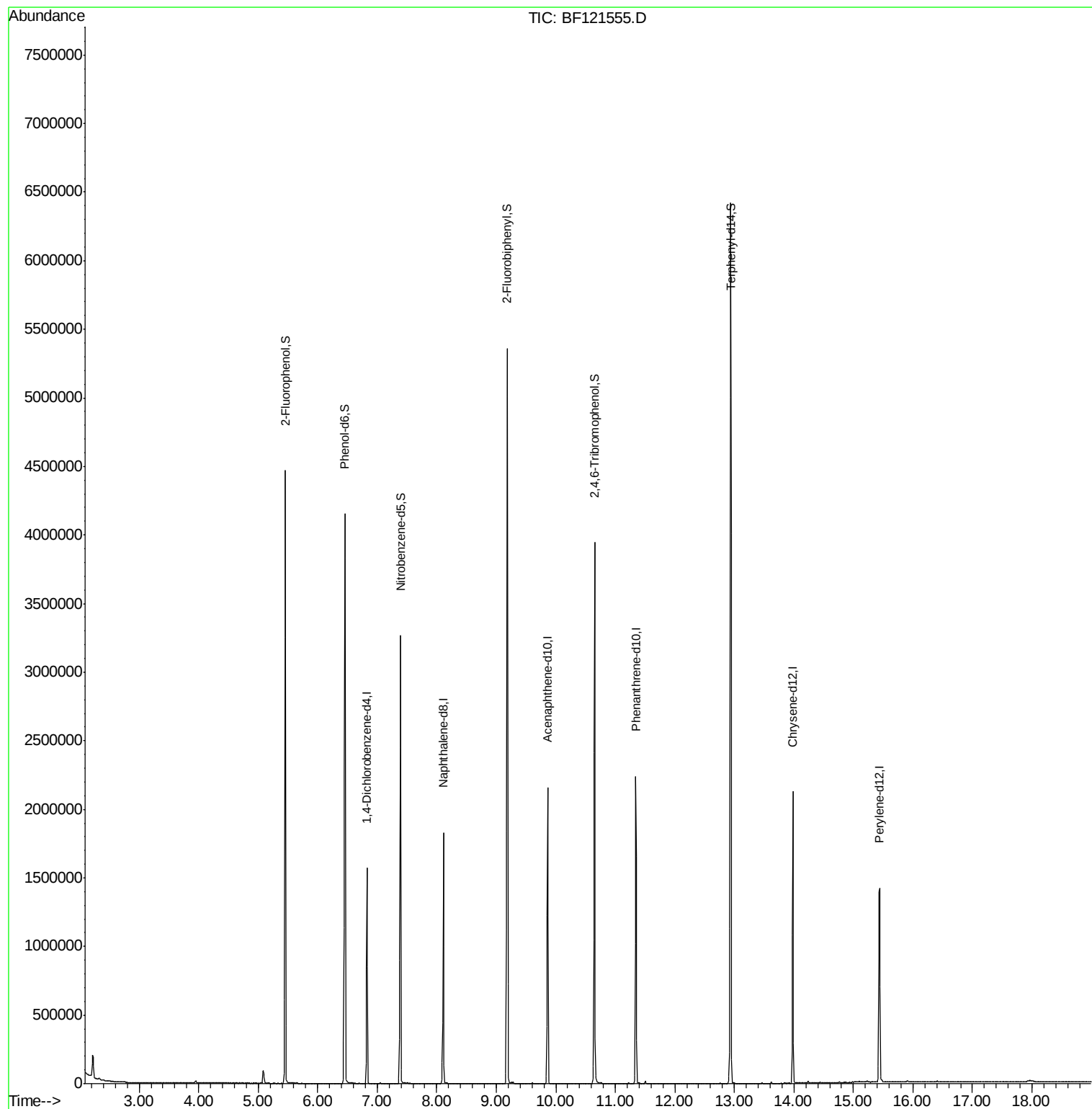
Target Compounds Qvalue

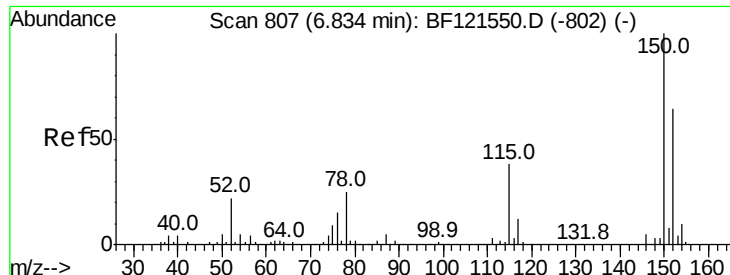
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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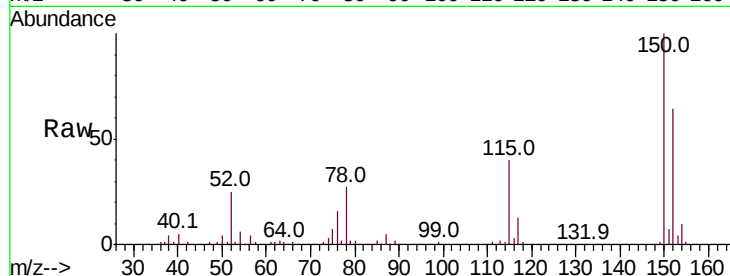


#1

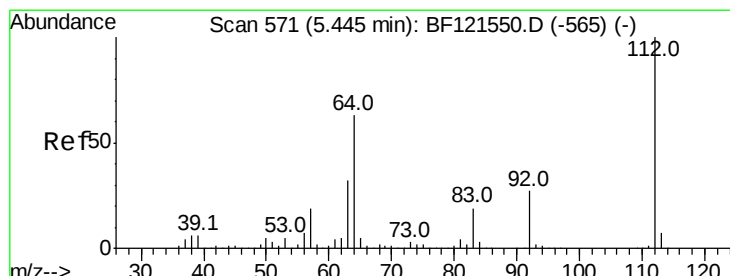
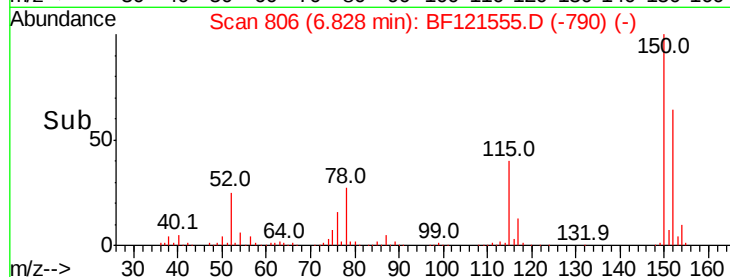
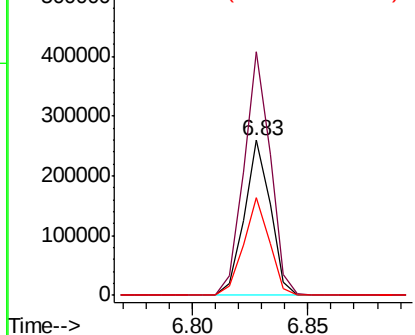
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: BF121555.D  
Acq: 10 Sep 2020 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB131517BL

Tot Ion:152 Resp: 205402  
Ion Ratio Lower Upper  
152 100  
150 157.0 125.8 188.6  
115 62.7 47.8 71.8



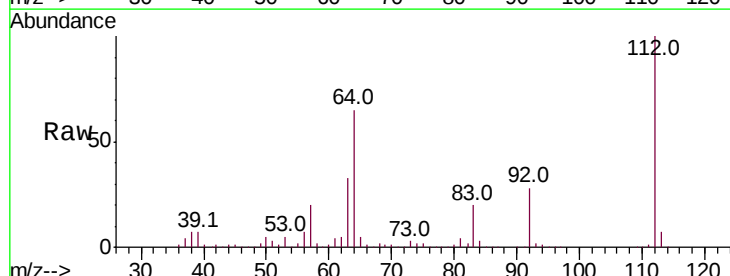
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



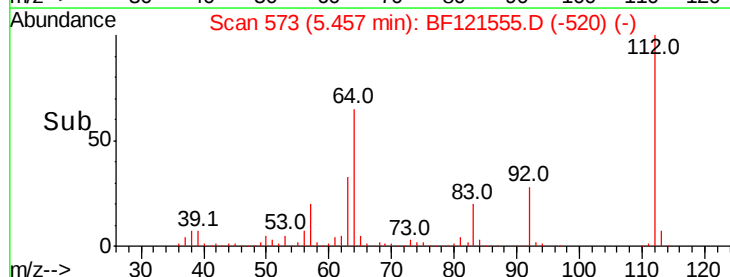
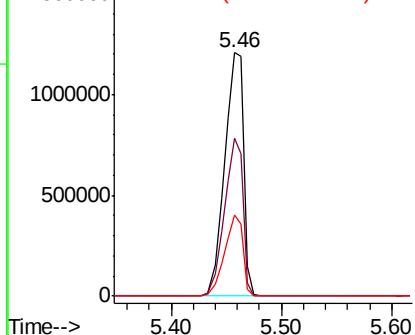
#5

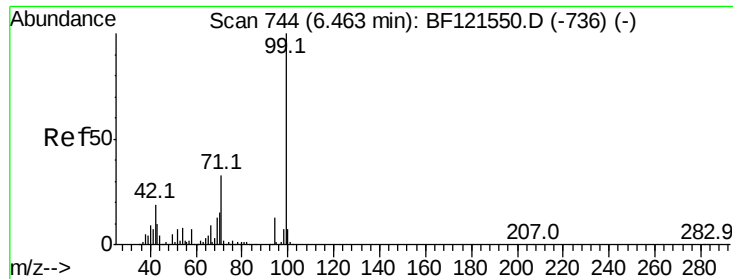
2-Fluorophenol  
Concen: 105.231 ng  
RT: 5.46 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: BF121555.D  
Acq: 10 Sep 2020 17:19

Tgt Ion:112 Resp: 1454426  
Ion Ratio Lower Upper  
112 100  
64 64.8 50.3 75.5  
63 33.4 25.6 38.4



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: 104.806 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

Instrument :

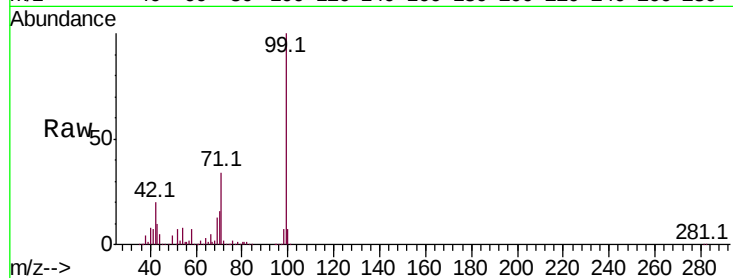
BNA\_F

ClientSampleId :

PB131517BL

Tot Ion: 99 Resp: 1900419

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.2  | 15.5  | 23.3  |
| 71  | 34.2  | 26.1  | 39.1  |

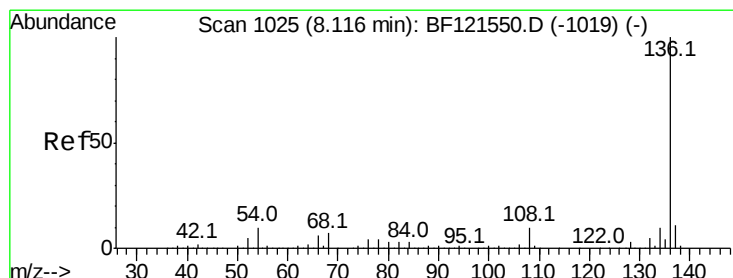
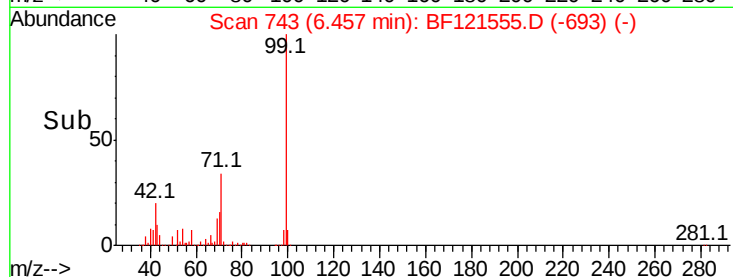
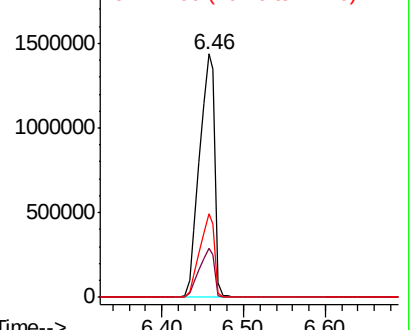


Abundance

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: 8.11 min Scan# 1024

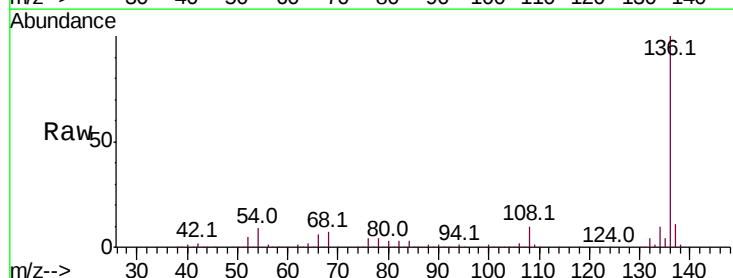
Delta R.T. -0.01 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

Tgt Ion: 136 Resp: 804766

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.0   | 13.6  |
| 54  | 9.4   | 7.6   | 11.4  |
| 68  | 6.9   | 5.7   | 8.5   |



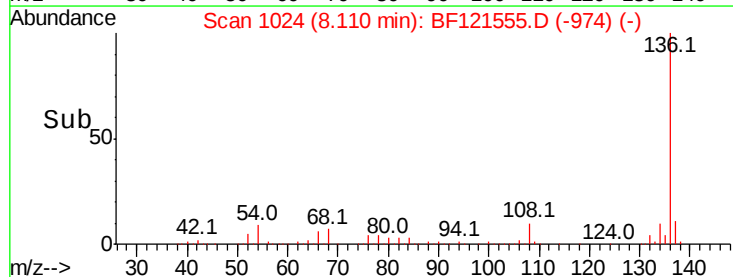
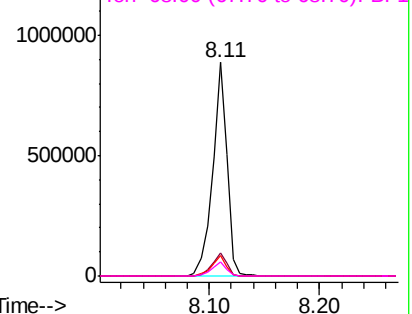
Abundance

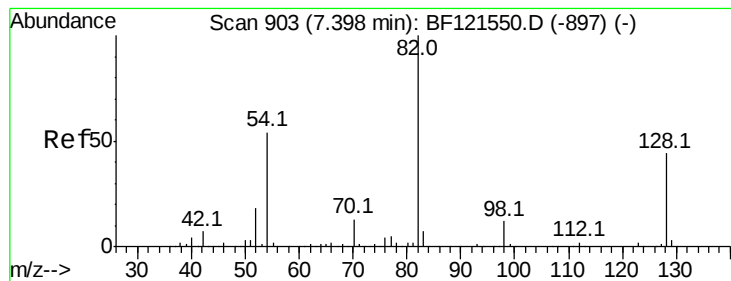
Ion 136.00 (135.70 to 136.70): E

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: 86.090 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

Instrument :

BNA\_F

ClientSampled :

PB131517BL

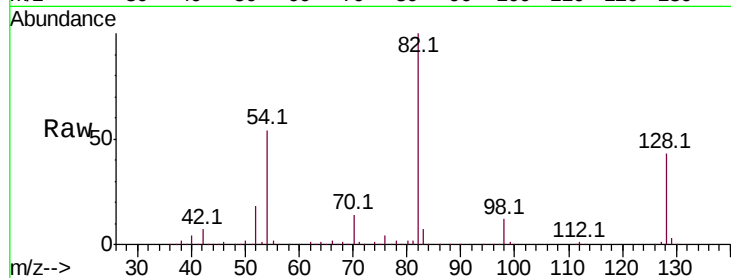
Tot Ion: 82 Resp: 1290375

Ion Ratio Lower Upper

82 100

128 43.1 35.1 52.7

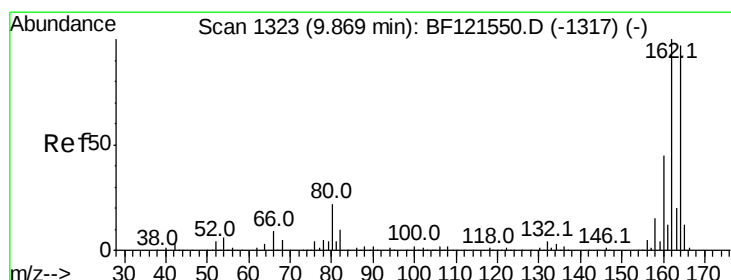
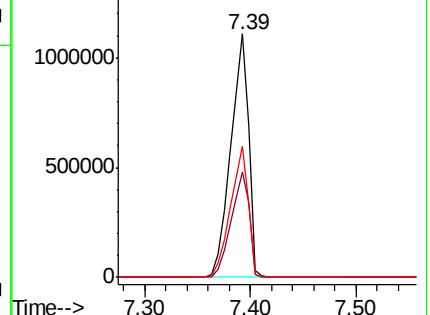
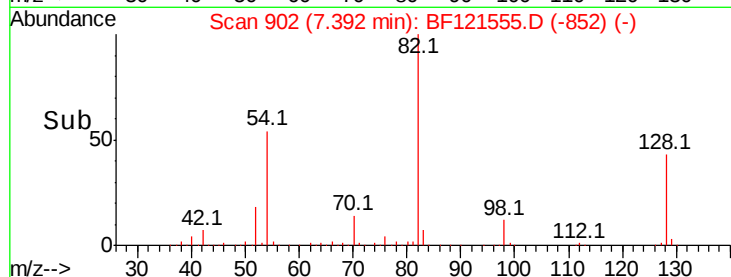
54 53.6 43.0 64.6



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

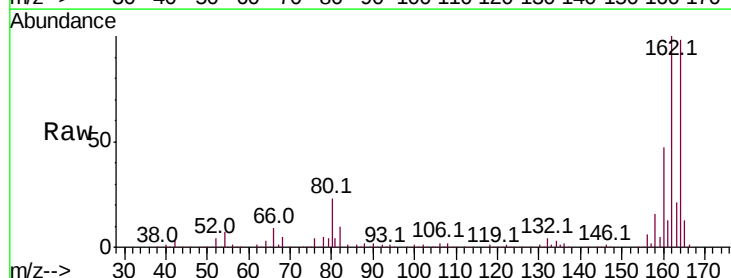
Tgt Ion:164 Resp: 420866

Ion Ratio Lower Upper

164 100

162 102.5 82.3 123.5

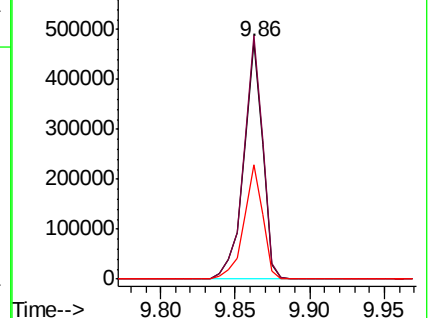
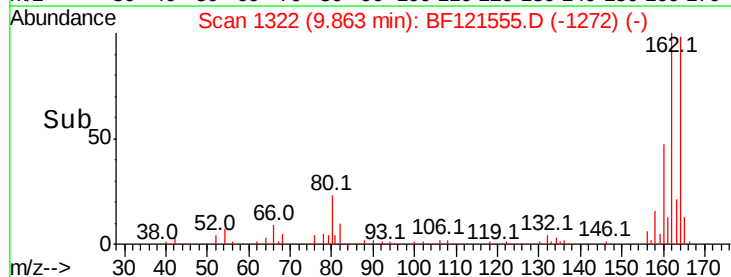
160 48.2 37.0 55.4

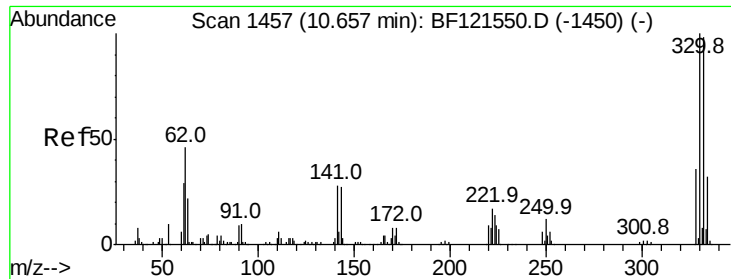


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

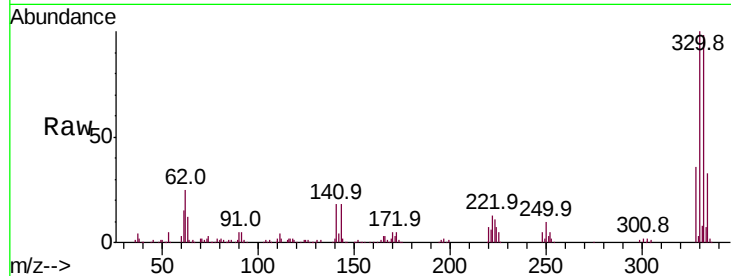




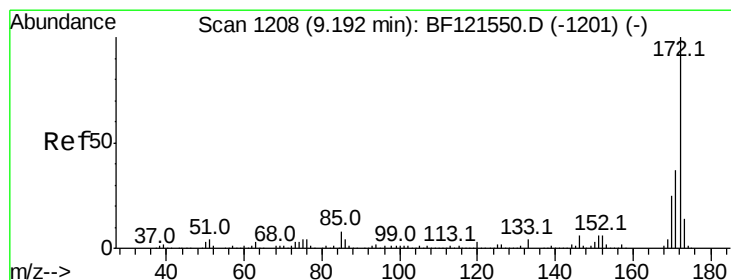
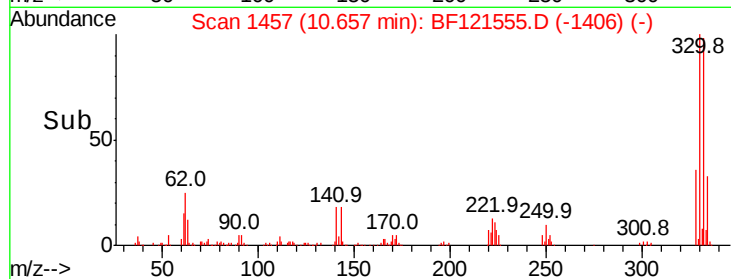
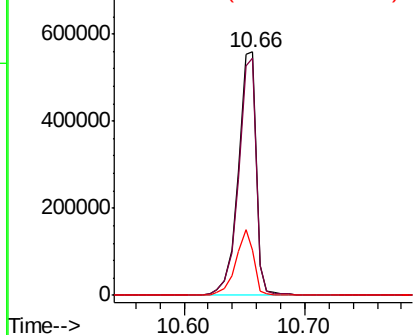
#42  
 2,4,6-Tribromophenol  
 Concen: 111.479 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: BF121555.D  
 Acq: 10 Sep 2020 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131517BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.1  | 115.7 |
| 141     | 26.9  | 23.6  | 35.4  |

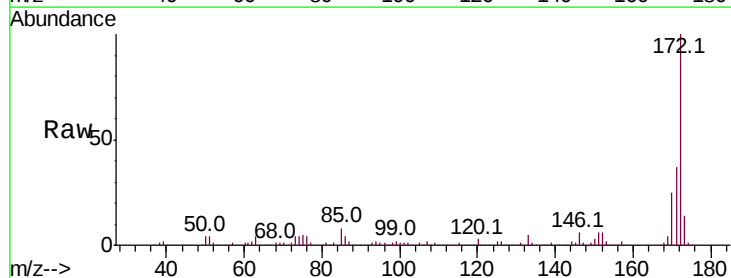


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

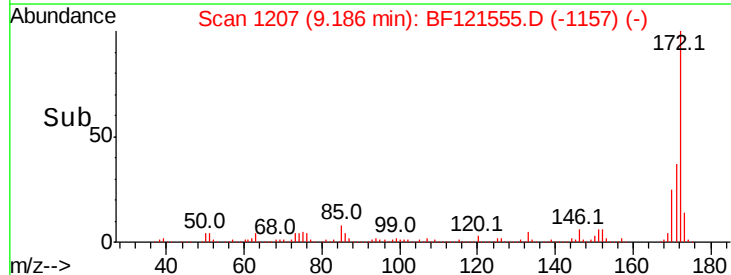
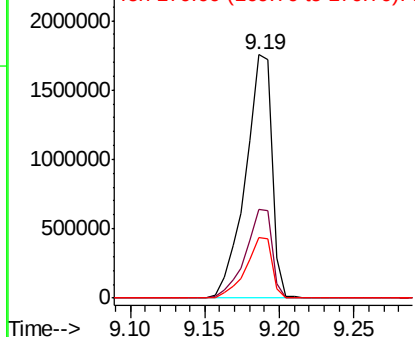


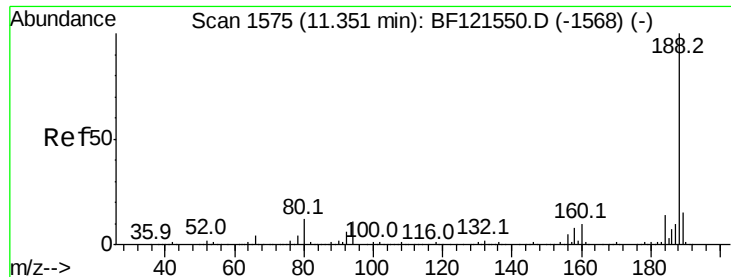
#45  
 2-Fluorobiphenyl  
 Concen: 77.642 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.01 min  
 Lab File: BF121555.D  
 Acq: 10 Sep 2020 17:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.8  | 44.6  |
| 170     | 24.7  | 19.8  | 29.8  |



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

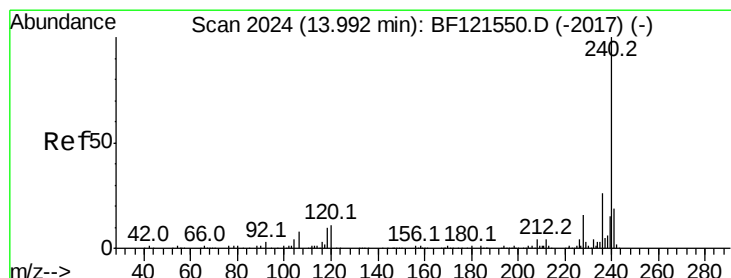
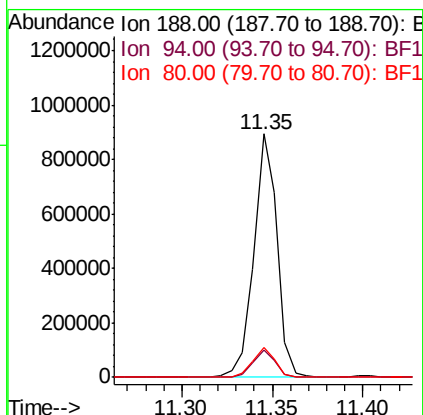
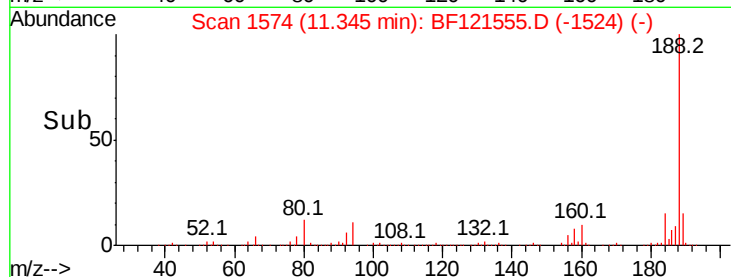
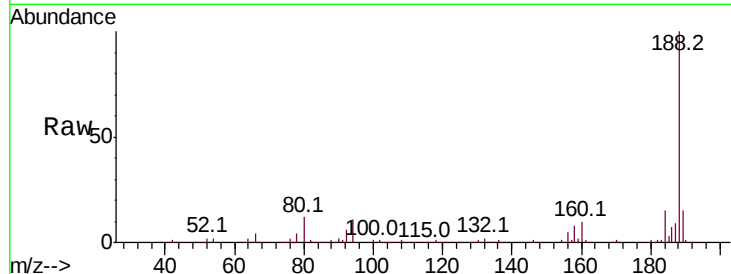




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF121555.D  
Acq: 10 Sep 2020 17:19

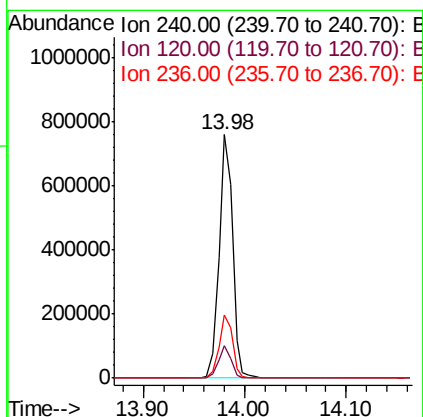
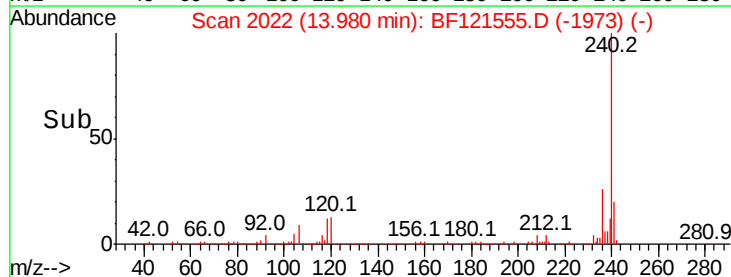
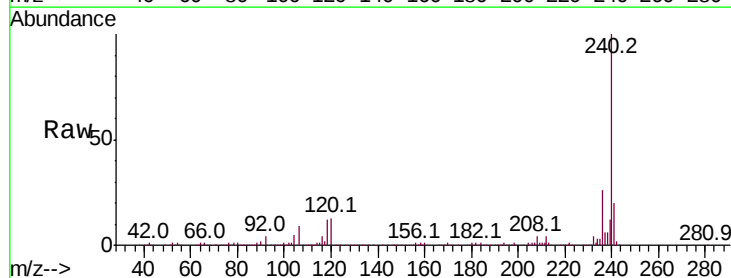
Instrument :  
BNA\_F  
ClientSampleId :  
PB131517BL

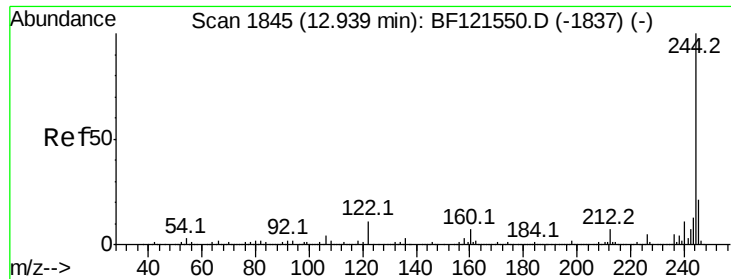
Tot Ion:188 Resp: 794145  
Ion Ratio Lower Upper  
188 100  
94 11.4 8.7 13.1  
80 12.2 9.3 13.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF121555.D  
Acq: 10 Sep 2020 17:19

Tgt Ion:240 Resp: 699397  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.2 13.8  
236 25.9 20.5 30.7





#79

Terphenyl-d14

Concen: 68.879 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

Instrument :

BNA\_F

ClientSampleId :

PB131517BL

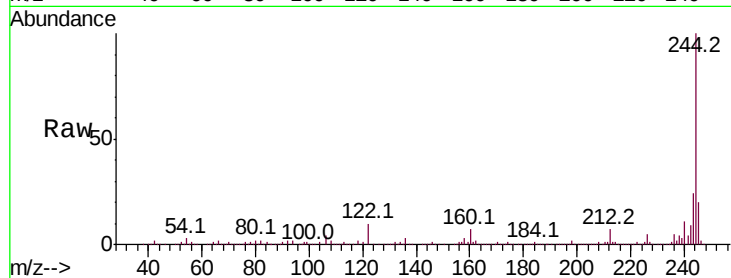
Tot Ion:244 Resp: 2377895

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

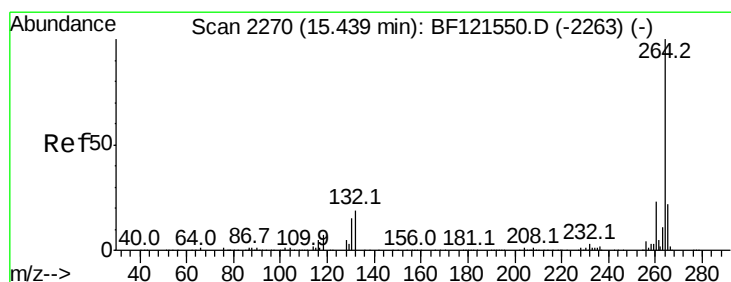
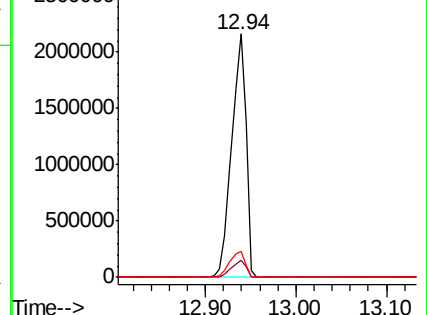
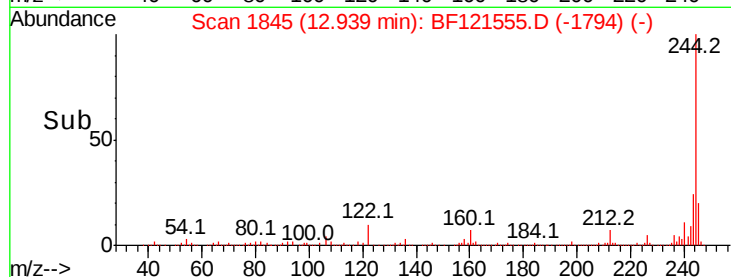
122 10.5 8.7 13.1



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: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF121555.D

Acq: 10 Sep 2020 17:19

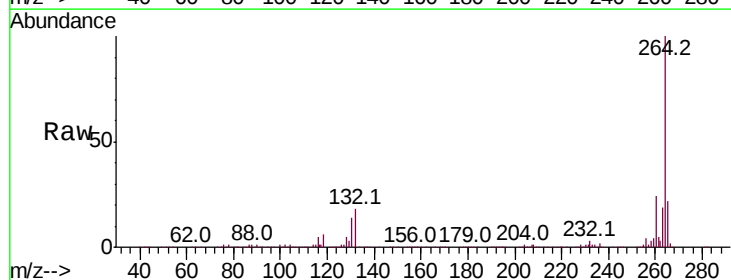
Tgt Ion:264 Resp: 662975

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.7 17.8 26.6



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

