

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\  
 Data File : BF121453.D  
 Acq On : 28 Aug 2020 11:11  
 Operator : JU/CG  
 Sample : PB131187BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131187BL

Quant Time: Aug 28 12:21:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 28 09:25:49 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 301733   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 1158302  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.90  | 164  | 606725   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.38 | 188  | 1203106  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.02 | 240  | 1019125  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.49 | 264  | 979312   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 2105478  | 117.07 | ng    | 0.01     |
| 7) Phenol-d6                | 6.48  | 99   | 2757132  | 109.70 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1726886  | 101.92 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 806485   | 131.60 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 3167372  | 84.23  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.97 | 244  | 3468356  | 71.64  | ng    | 0.00     |

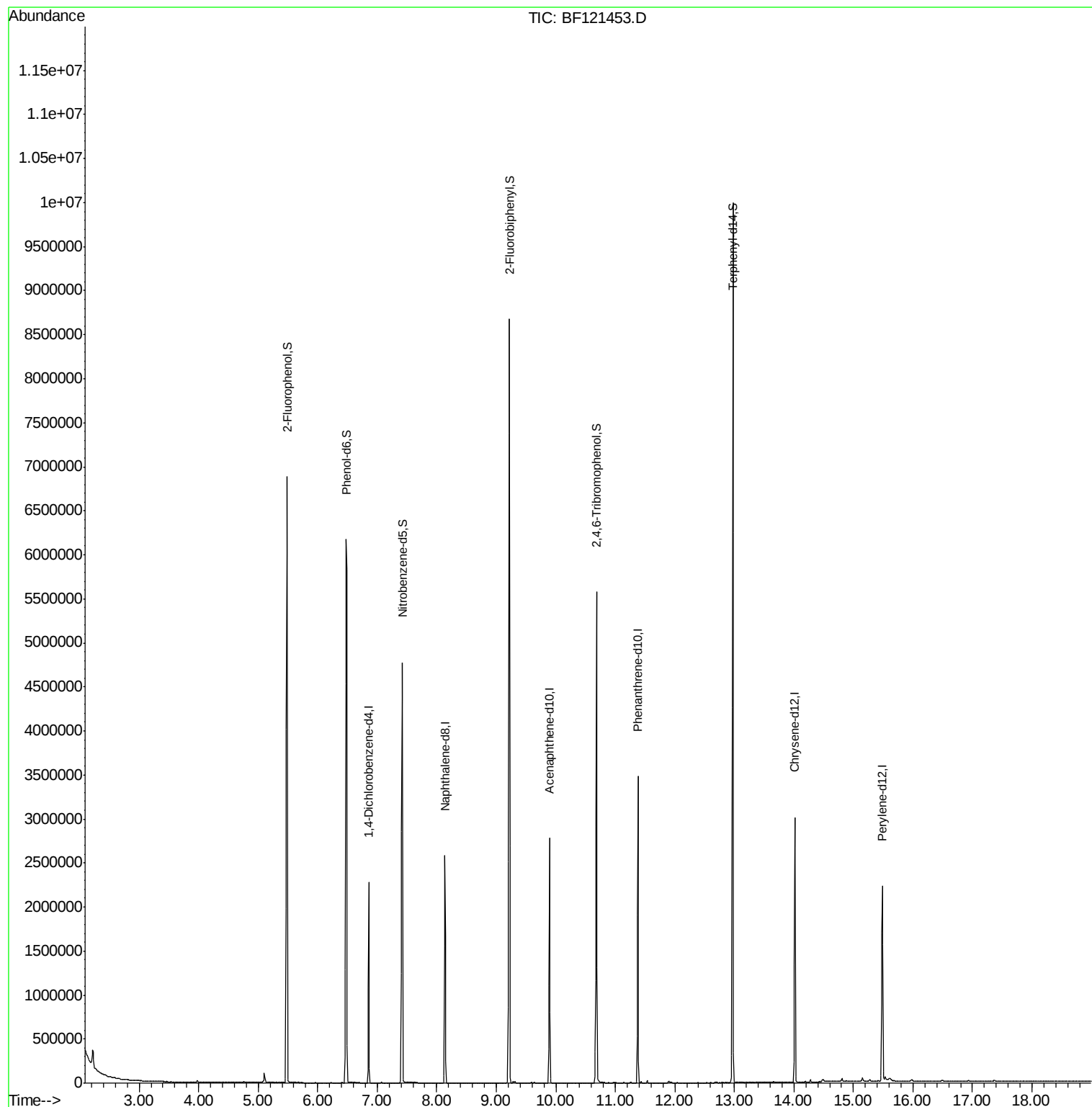
Target Compounds Qvalue

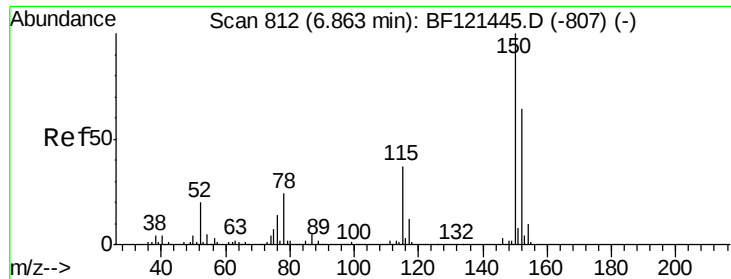
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



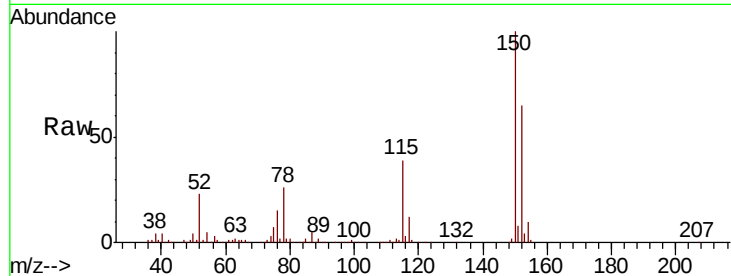


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BF121453.D  
Acq: 28 Aug 2020 11:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB131187BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 125.8 | 188.6 |
| 115     | 59.6  | 46.6  | 69.8  |

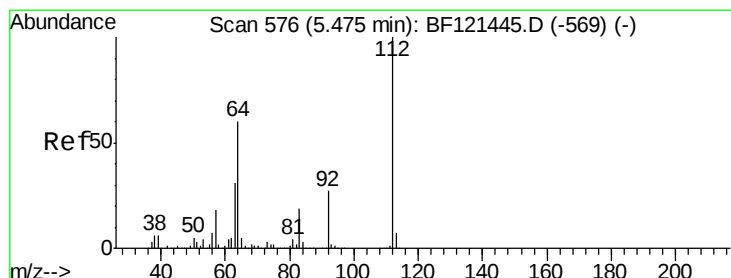
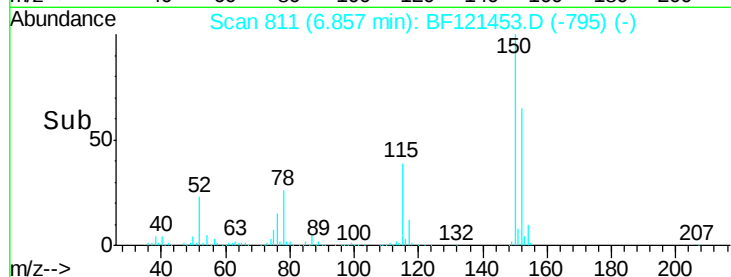
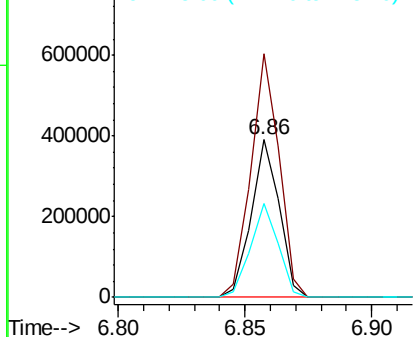


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

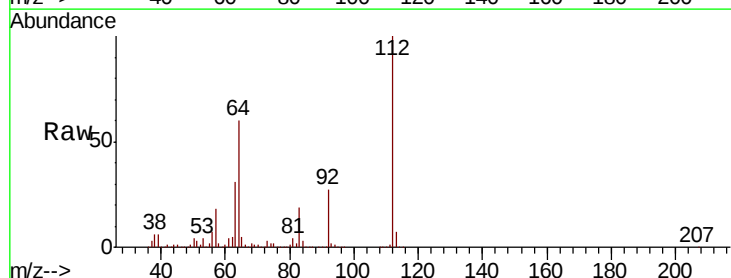
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 117.072 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF121453.D  
Acq: 28 Aug 2020 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.0  | 48.2  | 72.2  |
| 63      | 30.8  | 24.8  | 37.2  |

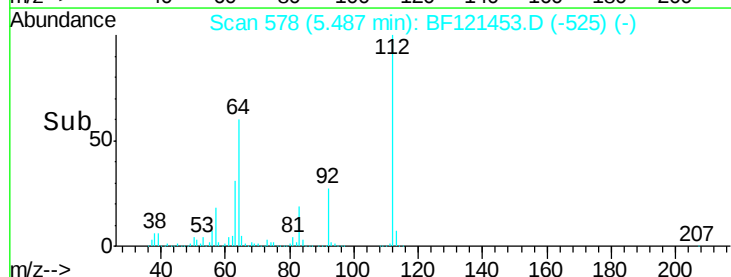
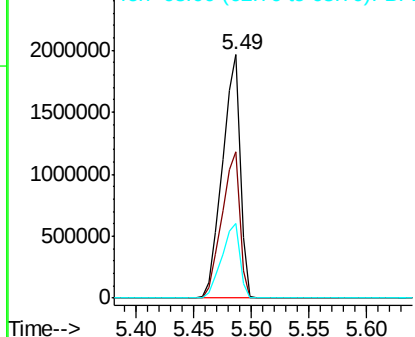


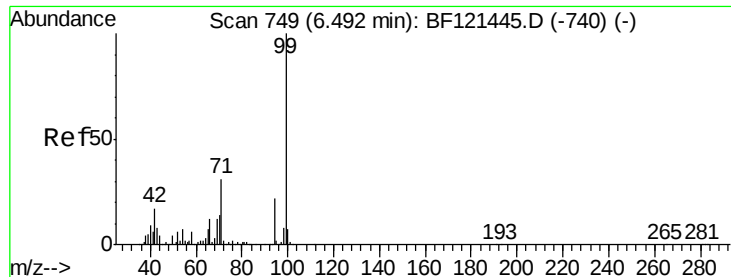
Abundance

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: 109.703 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA\_F

ClientSampleId :

PB131187BL

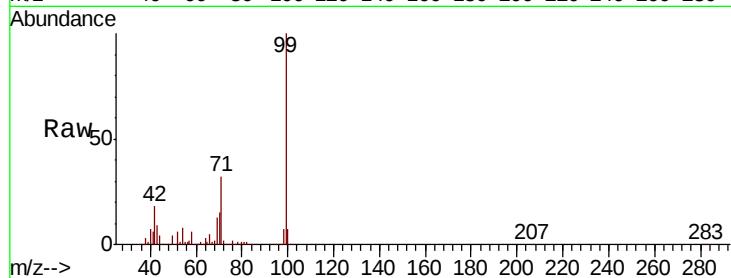
Tot Ion: 99 Resp: 2757132

Ion Ratio Lower Upper

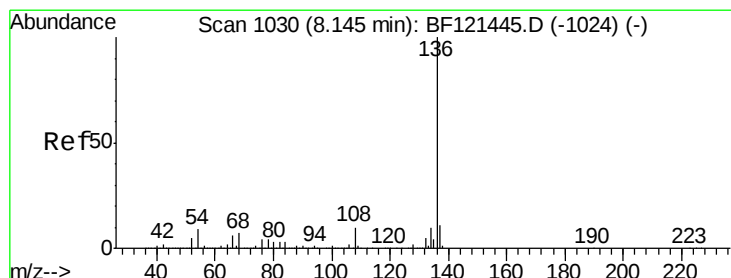
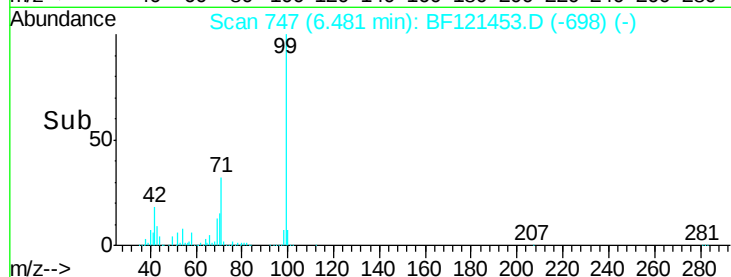
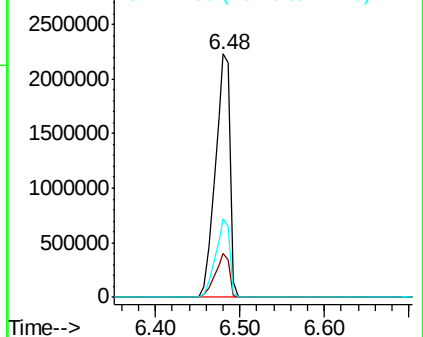
99 100

42 17.8 13.5 20.3

71 32.3 24.6 37.0



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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Tgt Ion: 136 Resp: 1158302

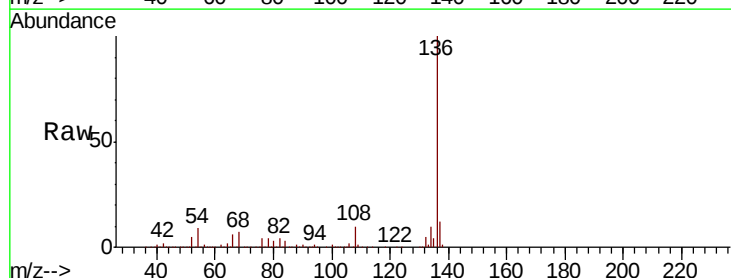
Ion Ratio Lower Upper

136 100

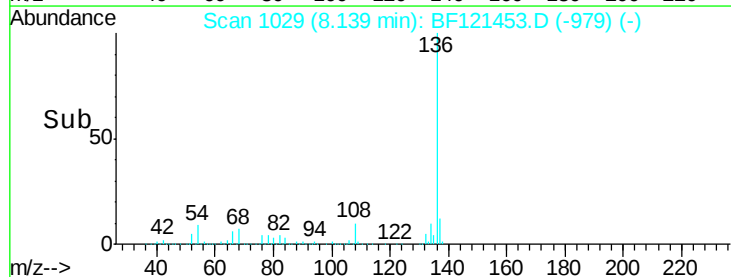
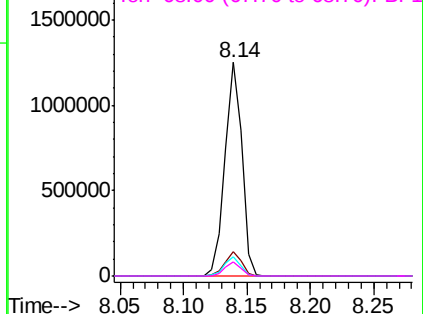
137 11.7 9.1 13.7

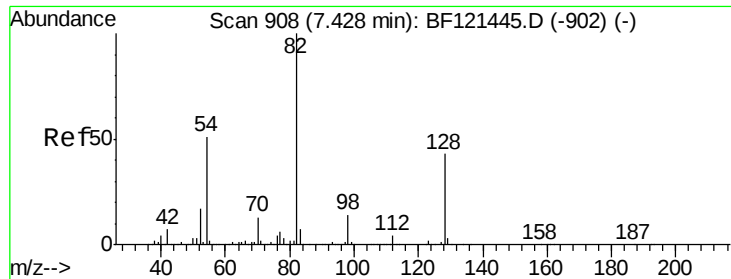
54 8.9 7.0 10.4

68 6.8 5.5 8.3



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

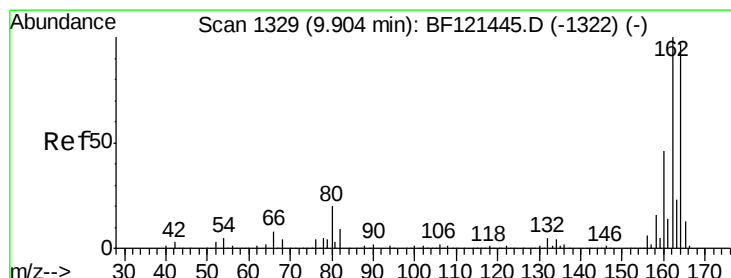
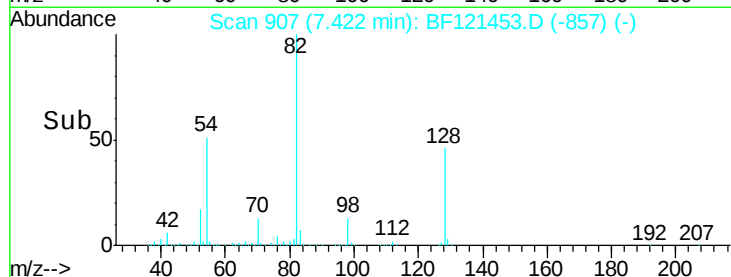
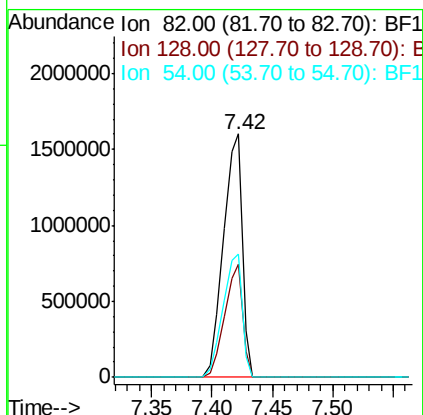
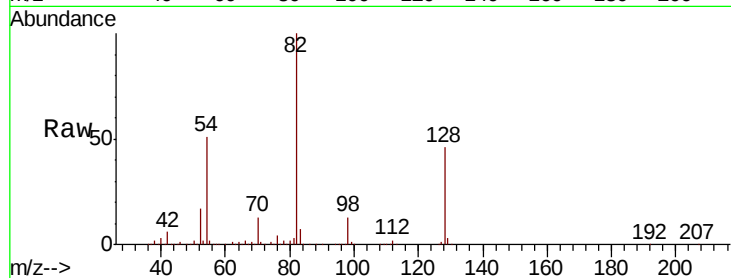




#23  
 Nitrobenzene-d5  
 Concen: 101.925 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

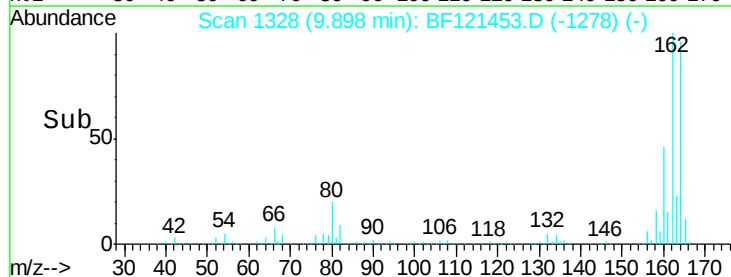
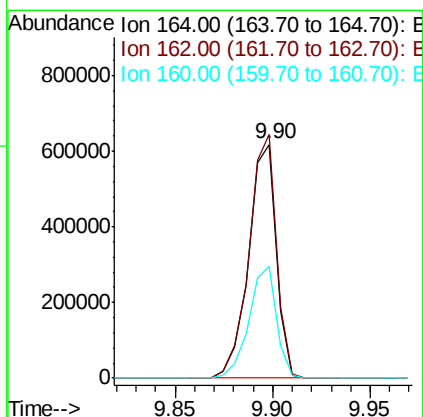
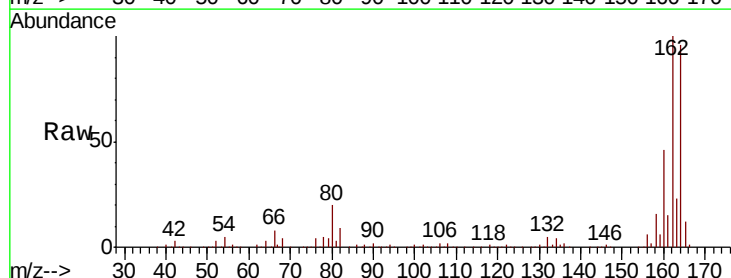
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131187BL

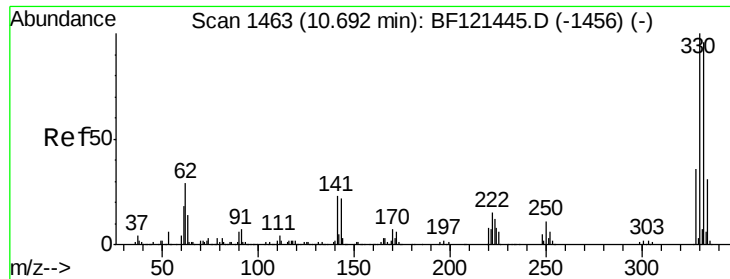
Tot Ion: 82 Resp: 1726886  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 34.1 51.1  
 54 50.8 41.0 61.6



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

Tgt Ion:164 Resp: 606725  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 82.4 123.6  
 160 47.9 37.6 56.4

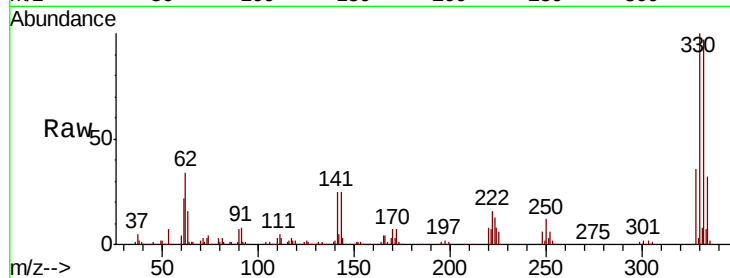




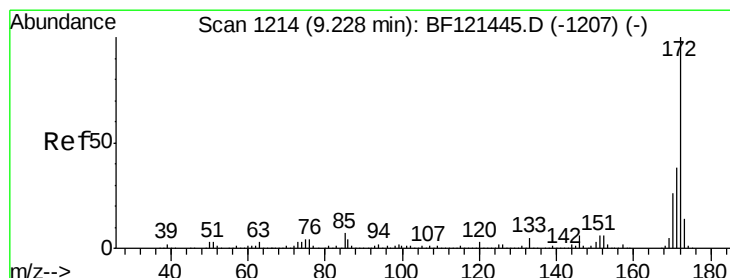
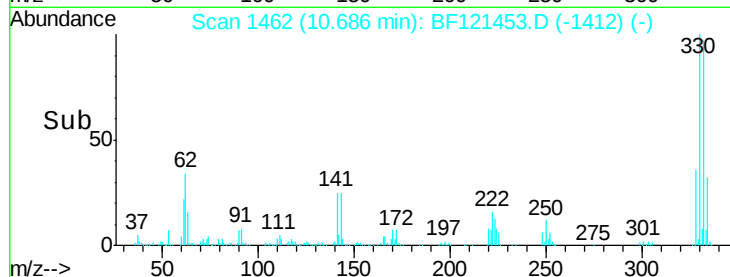
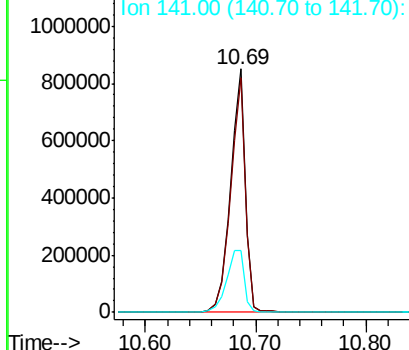
#42  
 2,4,6-Tribromophenol  
 Concen: 131.601 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB131187BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.2  | 114.2 |
| 141     | 30.3  | 24.6  | 36.8  |

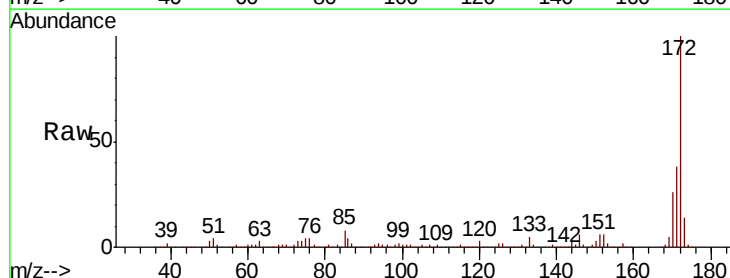


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

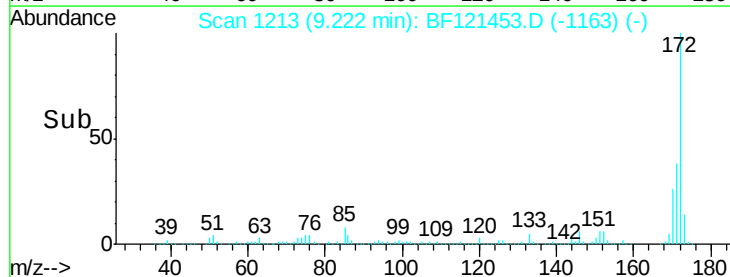
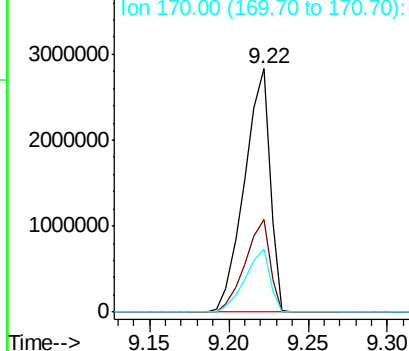


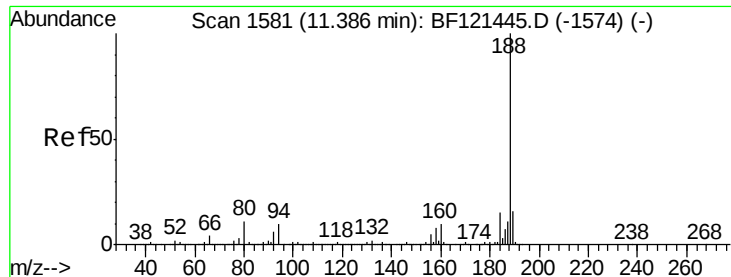
#45  
 2-Fluorobiphenyl  
 Concen: 84.233 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 30.6  | 45.8  |
| 170     | 26.1  | 20.6  | 31.0  |



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: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA\_F

ClientSampleId :

PB131187BL

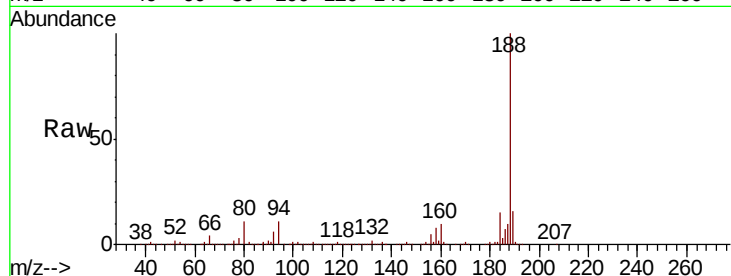
Tot Ion:188 Resp: 1203106

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

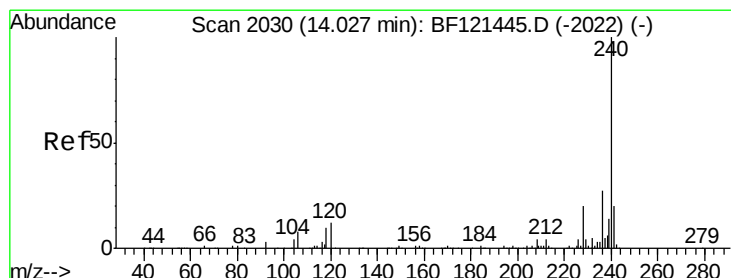
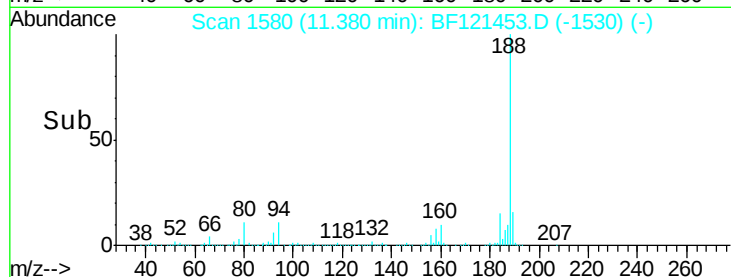
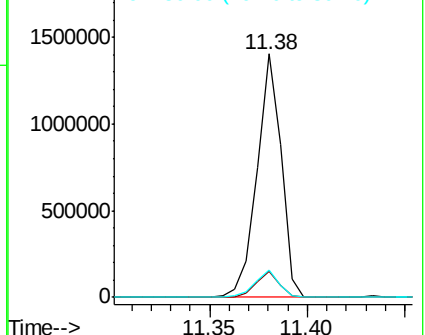
80 11.2 8.6 13.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

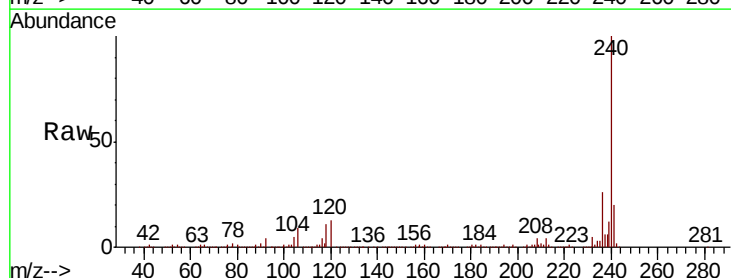
Tgt Ion:240 Resp: 1019125

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

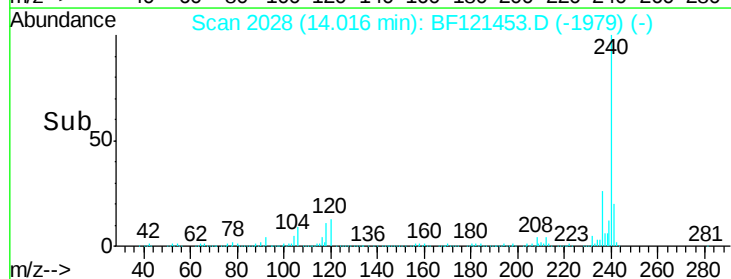
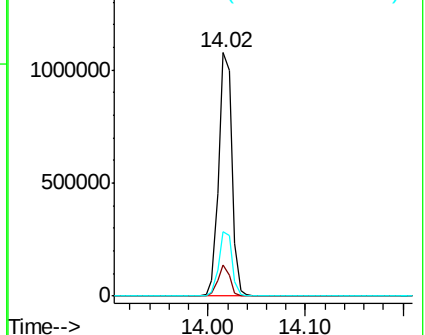
236 26.5 21.8 32.6

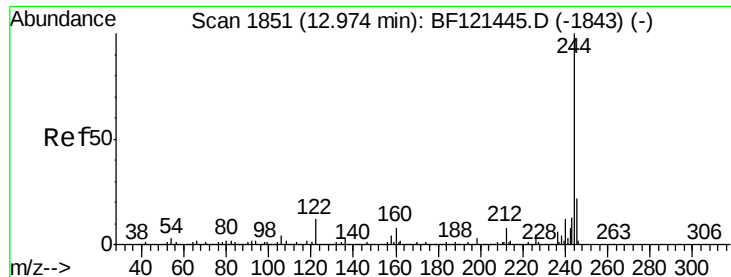


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

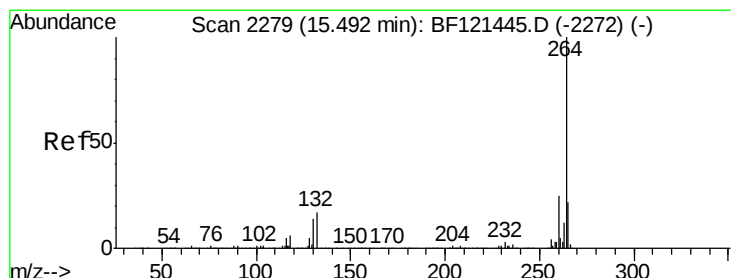
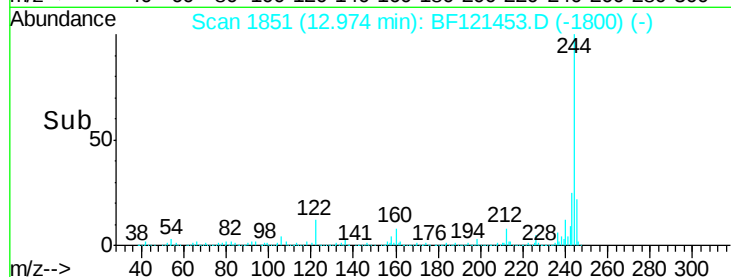
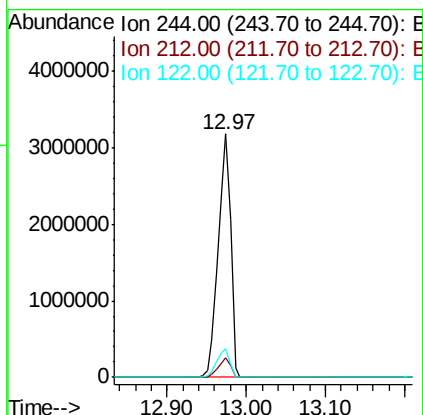
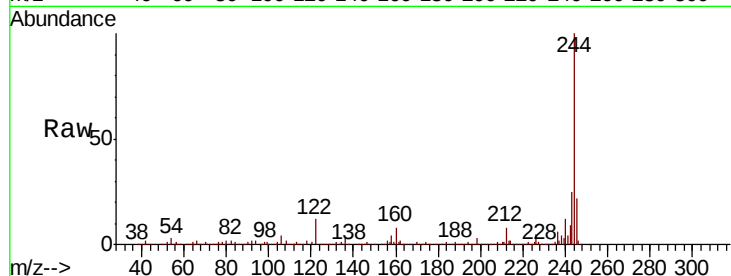




#79  
 Terphenyl-d14  
 Concen: 71.637 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB131187BL

Tot Ion:244 Resp: 3468356  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.3 9.5  
 122 11.7 9.5 14.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. -0.01 min  
 Lab File: BF121453.D  
 Acq: 28 Aug 2020 11:11

Tgt Ion:264 Resp: 979312  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.6 29.4  
 265 22.0 17.8 26.6

