

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\  
 Data File : BF119278.D  
 Acq On : 7 Mar 2020 5:56  
 Operator : CG/JU  
 Sample : PB127331TB  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127331TB

Quant Time: Mar 09 04:30:01 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 107158   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 400607   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 210170   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.24 | 188  | 348942   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.88 | 240  | 284990   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.31 | 264  | 265337   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 805297   | 125.59 | ng    | 0.01     |
| 7) Phenol-d6                | 6.38  | 99   | 880371   | 112.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 692901   | 91.32  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 359981   | 130.93 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 1368483  | 95.92  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.83 | 244  | 1527906  | 92.30  | ng    | 0.00     |

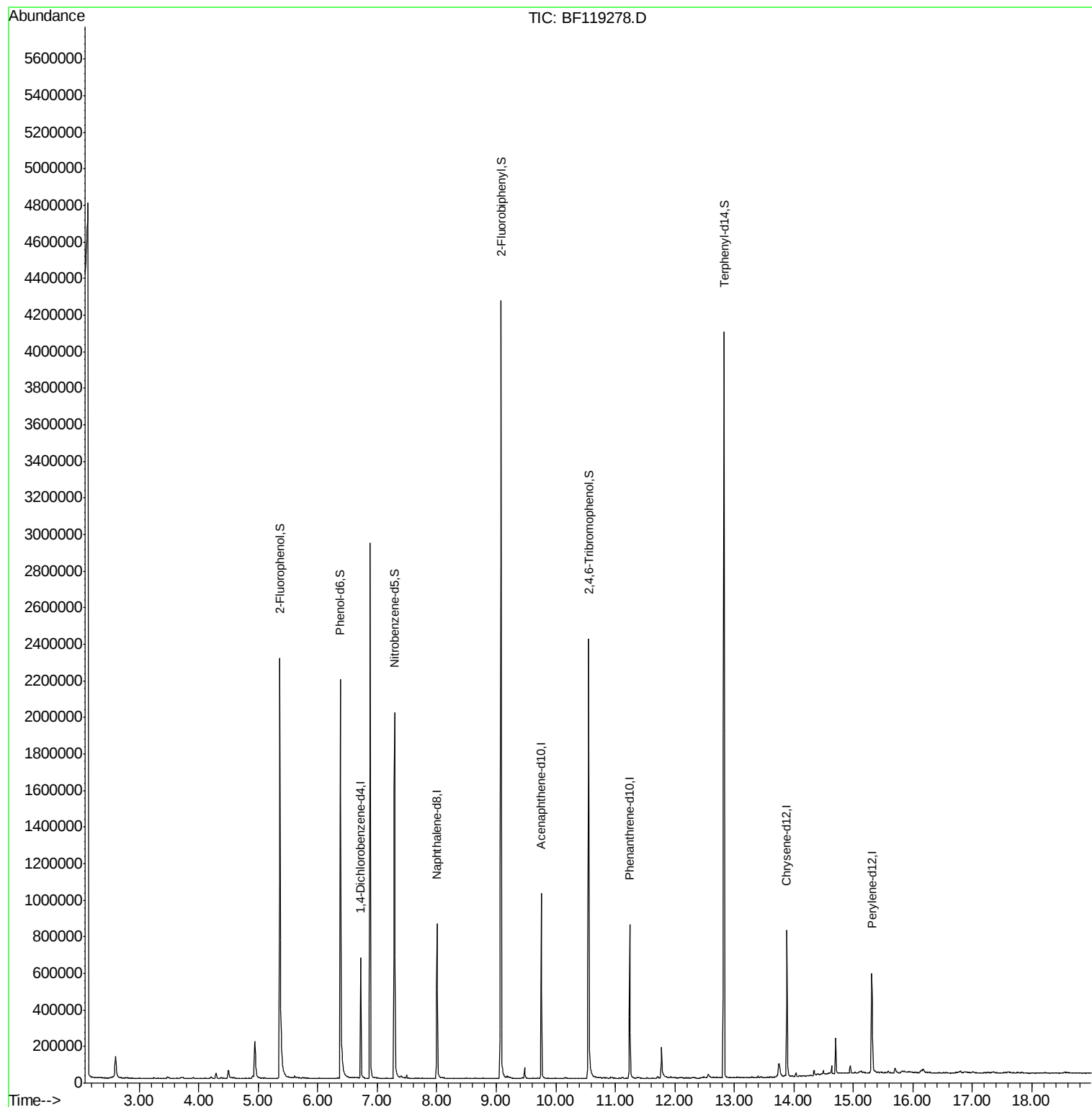
Target Compounds Qvalue

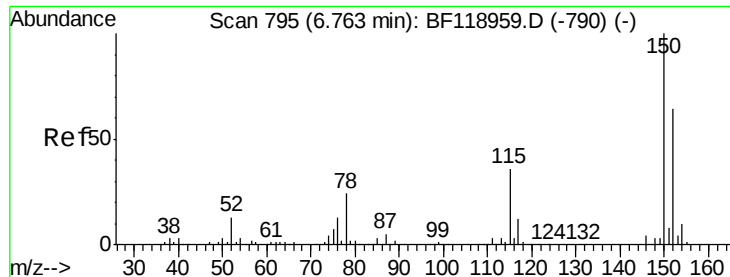
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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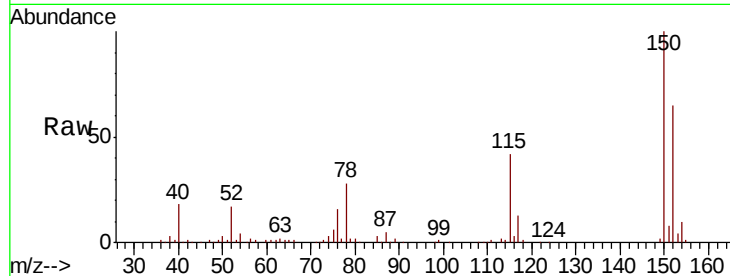


#1

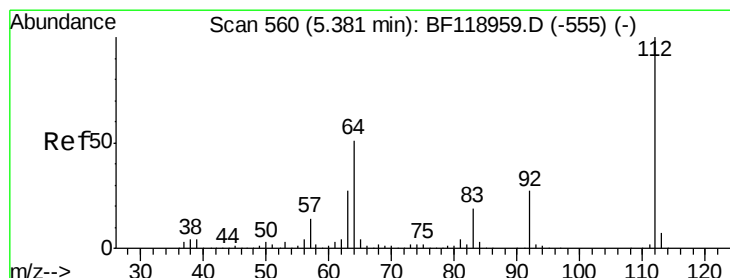
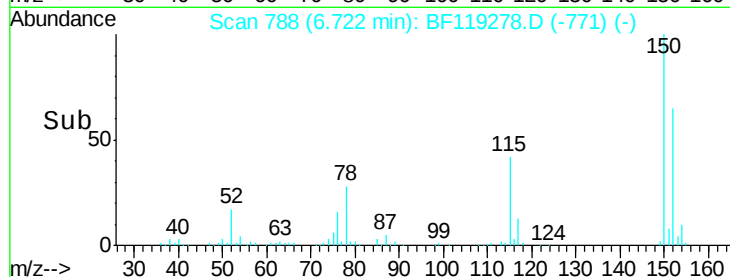
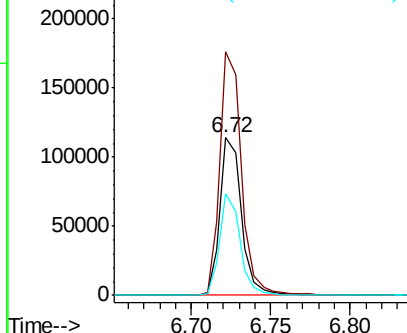
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF119278.D  
Acq: 7 Mar 2020 5:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB127331TB

Tot Ion:152 Resp: 107158  
Ion Ratio Lower Upper  
152 100  
150 154.6 123.0 184.6  
115 64.7 49.5 74.3



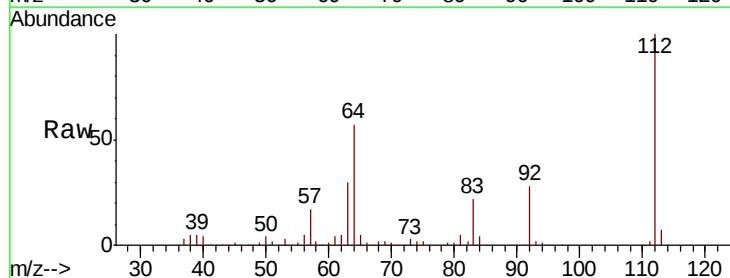
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



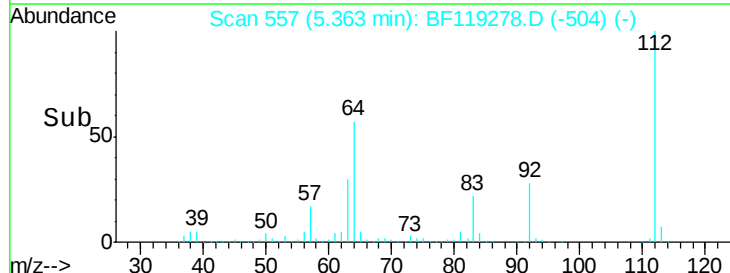
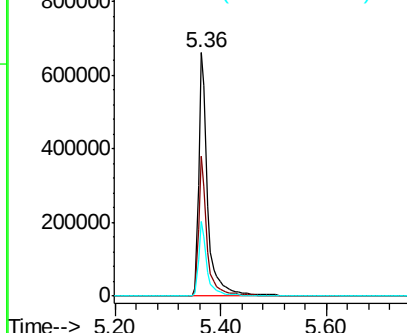
#5

2-Fluorophenol  
Concen: 125.590 ng  
RT: 5.36 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF119278.D  
Acq: 7 Mar 2020 5:56

Tgt Ion:112 Resp: 805297  
Ion Ratio Lower Upper  
112 100  
64 57.3 45.0 67.4  
63 30.4 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: 112.892 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119278.D

Acq: 7 Mar 2020 5:56

Instrument :

BNA\_F

ClientSampleId :

PB127331TB

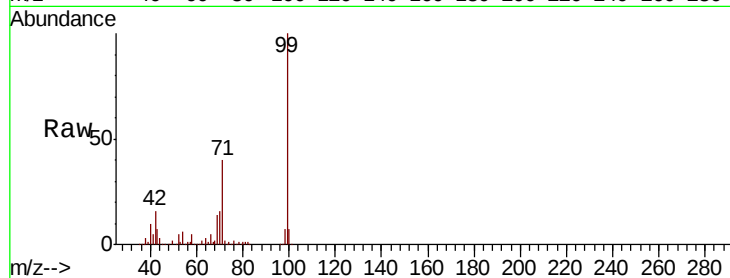
Tot Ion: 99 Resp: 880371

Ion Ratio Lower Upper

99 100

42 15.5 12.6 18.8

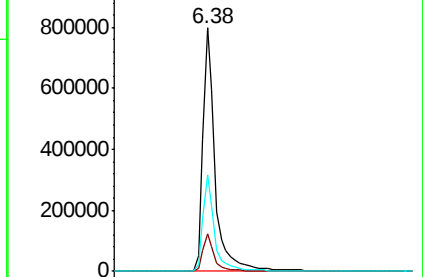
71 39.6 31.0 46.4



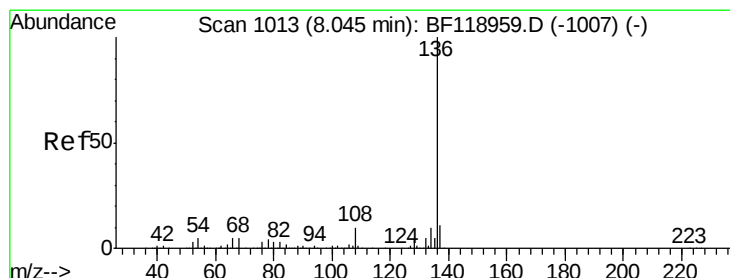
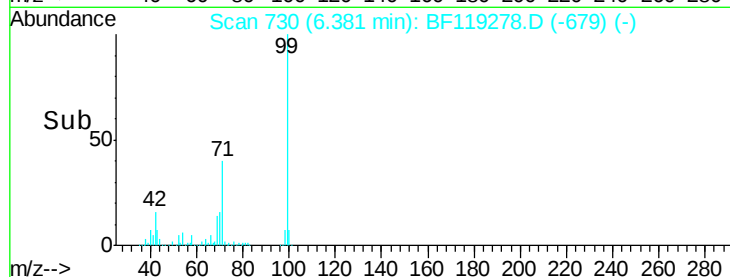
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119278.D

Acq: 7 Mar 2020 5:56

Tgt Ion: 136 Resp: 400607

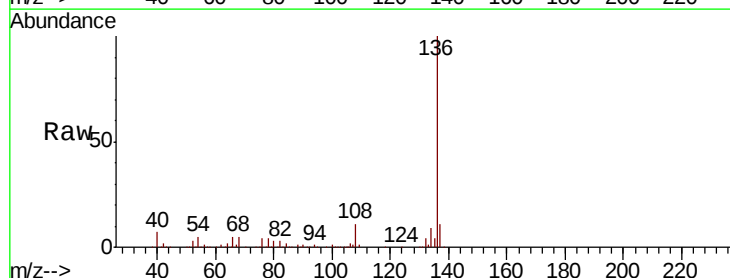
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 5.1 3.8 5.6

68 5.1 3.9 5.9

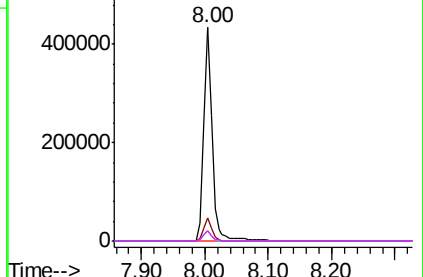


Abundance Ion 136.00 (135.70 to 136.70): E

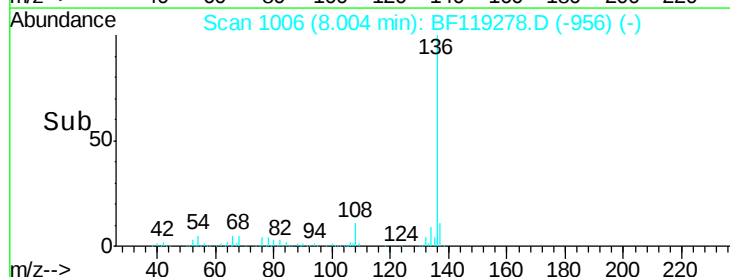
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

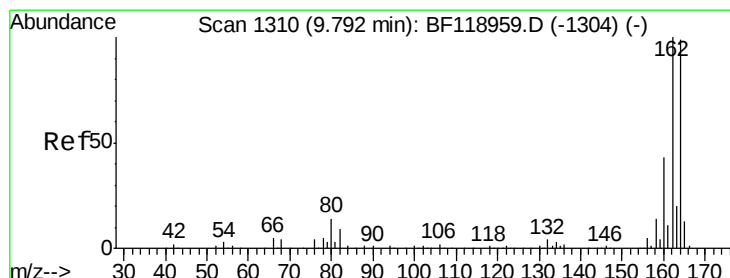
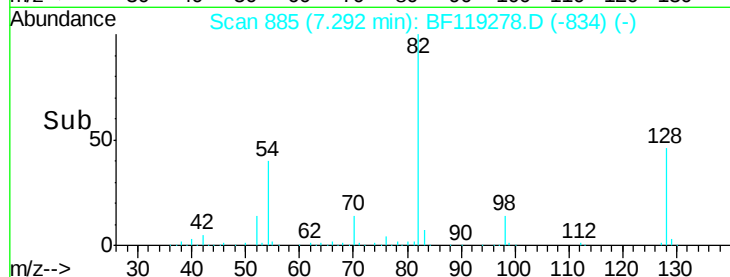
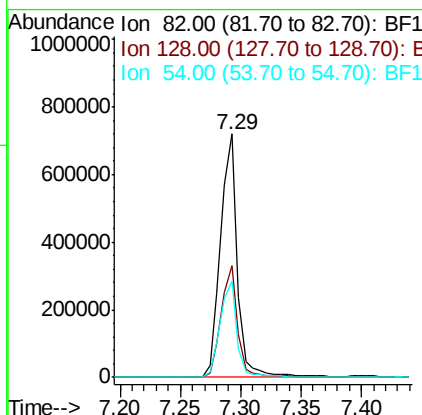
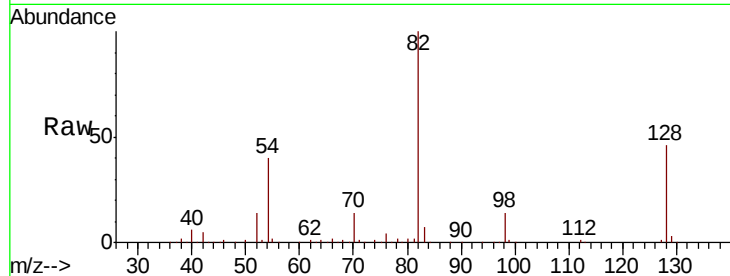




#23  
 Nitrobenzene-d5  
 Concen: 91.324 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: BF119278.D  
 Acq: 7 Mar 2020 5:56

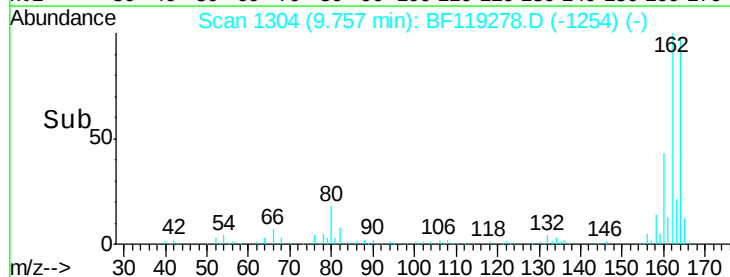
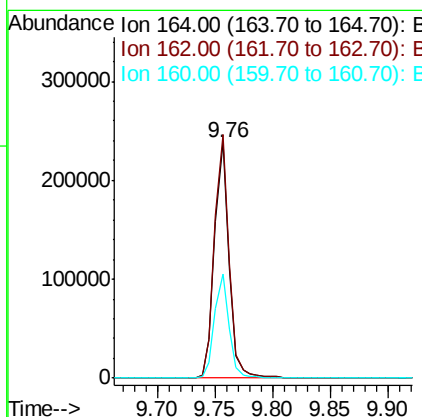
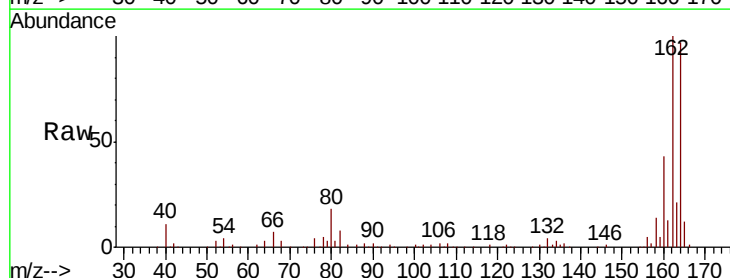
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127331TB

Tot Ion: 82 Resp: 692901  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 37.9 56.9  
 54 39.6 33.4 50.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF119278.D  
 Acq: 7 Mar 2020 5:56

Tgt Ion:164 Resp: 210170  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 81.8 122.8  
 160 44.4 36.0 54.0

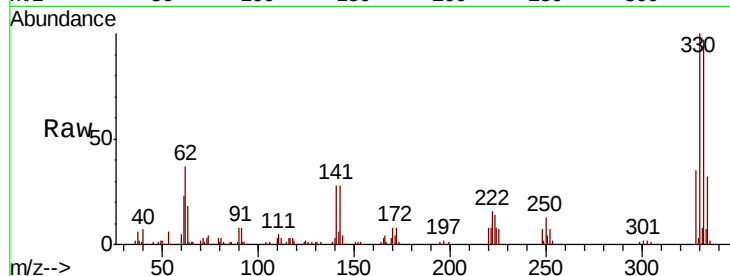




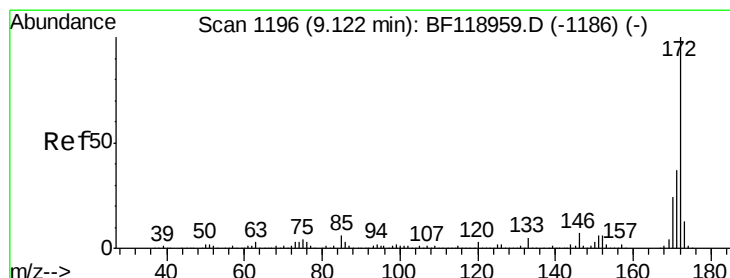
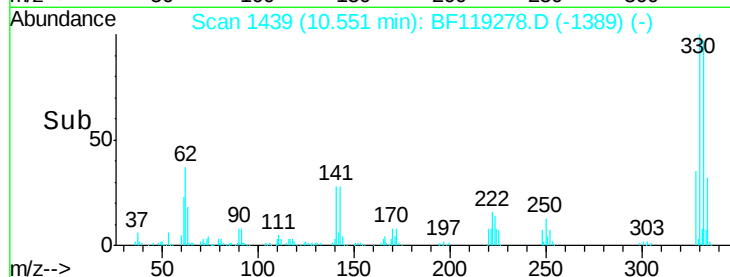
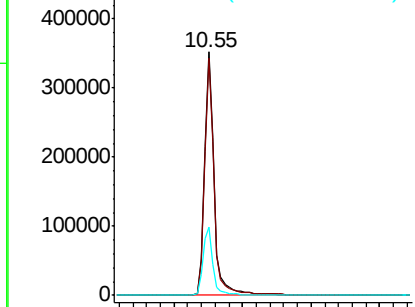
#42  
 2,4,6-Tribromophenol  
 Concen: 130.932 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF119278.D  
 Acq: 7 Mar 2020 5:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127331TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 76.0  | 114.0 |
| 141     | 29.4  | 22.9  | 34.3  |

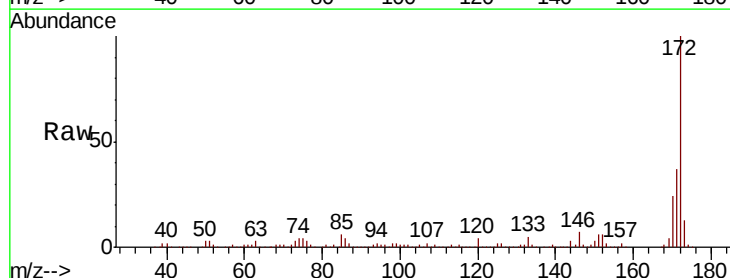


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

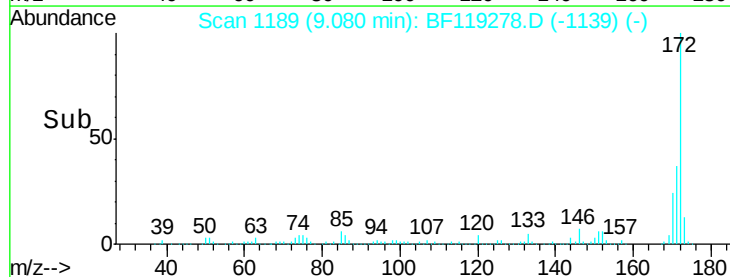
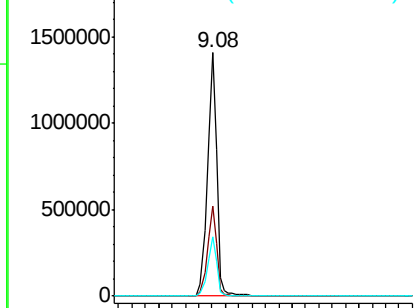


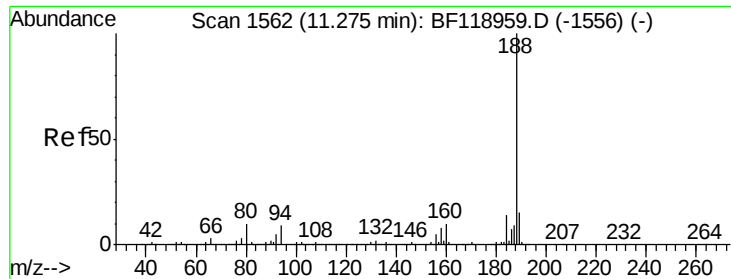
#45  
 2-Fluorobiphenyl  
 Concen: 95.923 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF119278.D  
 Acq: 7 Mar 2020 5:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 30.6  | 45.8  |
| 170     | 24.4  | 20.2  | 30.2  |



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

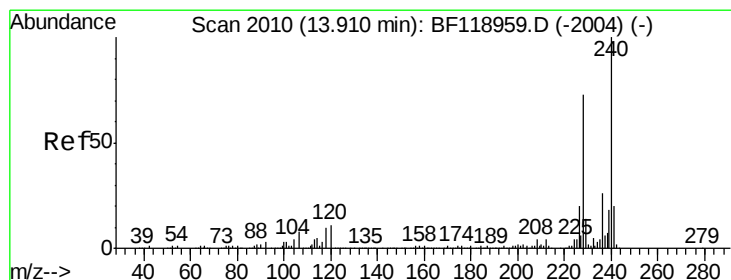
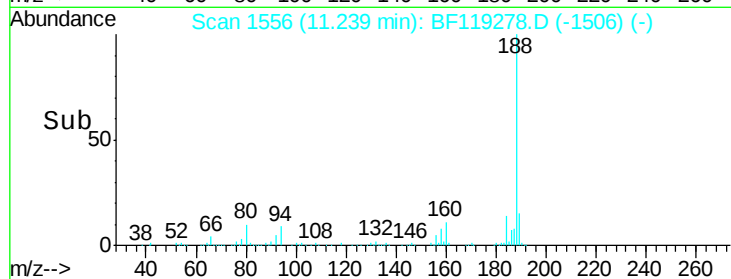
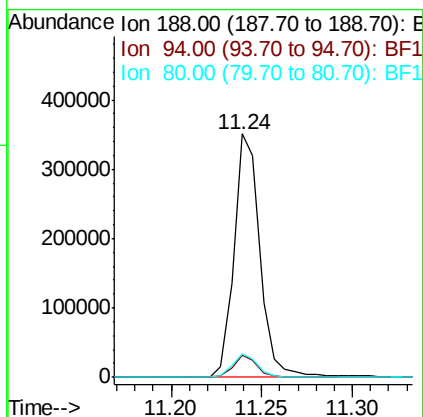
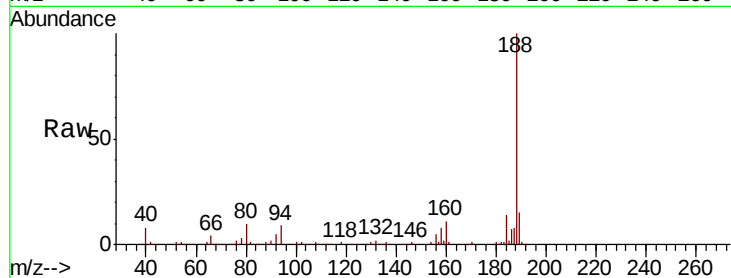




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF119278.D  
Acq: 7 Mar 2020 5:56

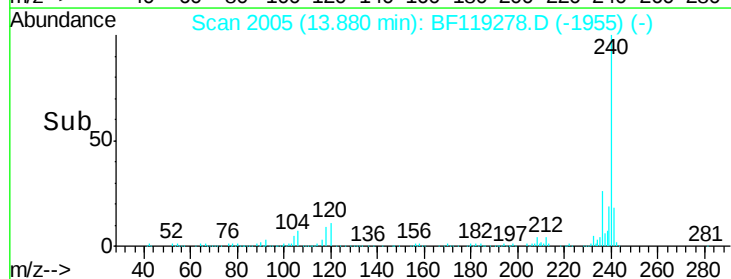
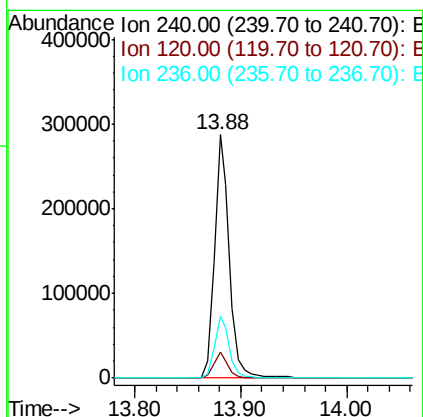
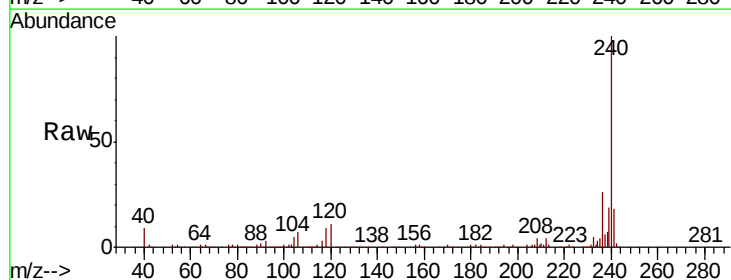
Instrument :  
BNA\_F  
ClientSampleId :  
PB127331TB

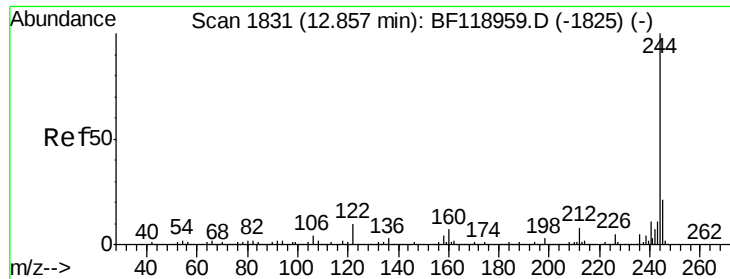
Tot Ion:188 Resp: 348942  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.1 10.7  
80 9.9 7.8 11.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.88 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BF119278.D  
Acq: 7 Mar 2020 5:56

Tgt Ion:240 Resp: 284990  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.4 12.6  
236 25.6 21.0 31.4





#79

Terphenyl-d14

Concen: 92.303 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF119278.D

Acq: 7 Mar 2020 5:56

Instrument :

BNA\_F

ClientSampleId :

PB127331TB

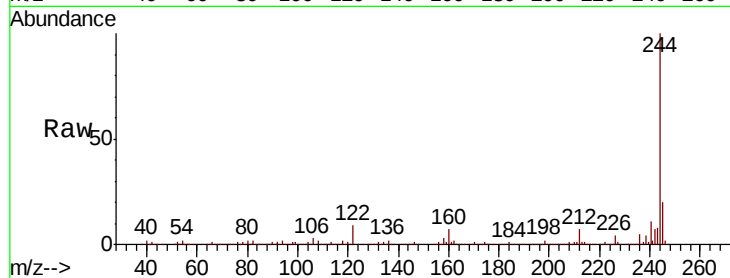
Tot Ion:244 Resp: 1527906

Ion Ratio Lower Upper

244 100

212 7.2 6.6 10.0

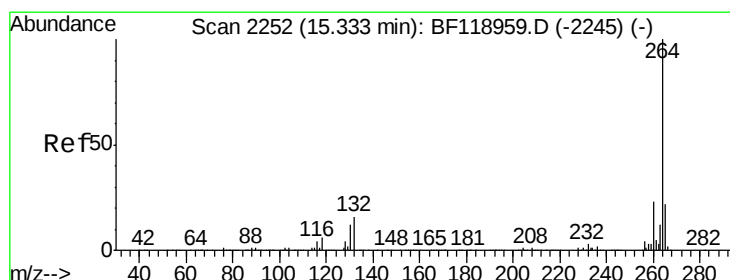
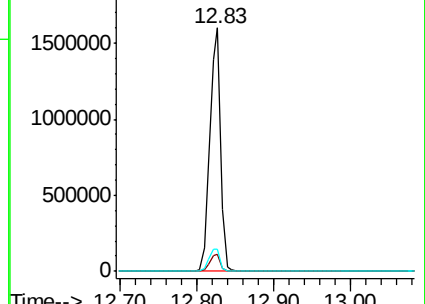
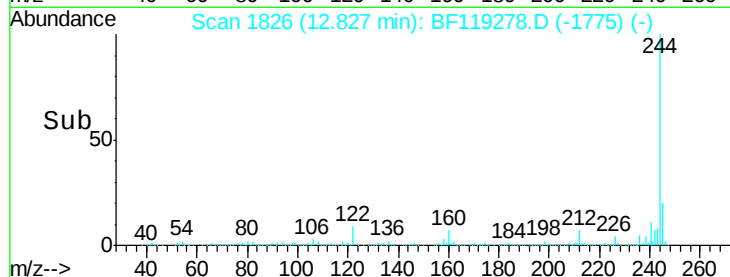
122 8.9 8.2 12.2



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: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF119278.D

Acq: 7 Mar 2020 5:56

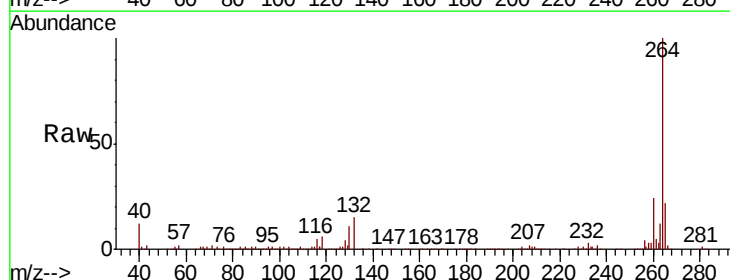
Tgt Ion:264 Resp: 265337

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.1 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

