

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\  
 Data File : BF120292.D  
 Acq On : 14 May 2020 15:58  
 Operator : MA/SJ  
 Sample : PB128874BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128874BL

Quant Time: May 14 16:43:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 12:47:38 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 363210   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.90  | 136  | 1513085  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.66  | 164  | 809161   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.15 | 188  | 1651309  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.78 | 240  | 1323936  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.17 | 264  | 1140453  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 1991222  | 106.67 | ng    | 0.00     |
| 7) Phenol-d6                | 6.27  | 99   | 2609582  | 110.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 1667048  | 75.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.45 | 330  | 744763   | 112.89 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 8.99  | 172  | 3101984  | 78.76  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.73 | 244  | 3825309  | 63.83  | ng    | 0.00     |

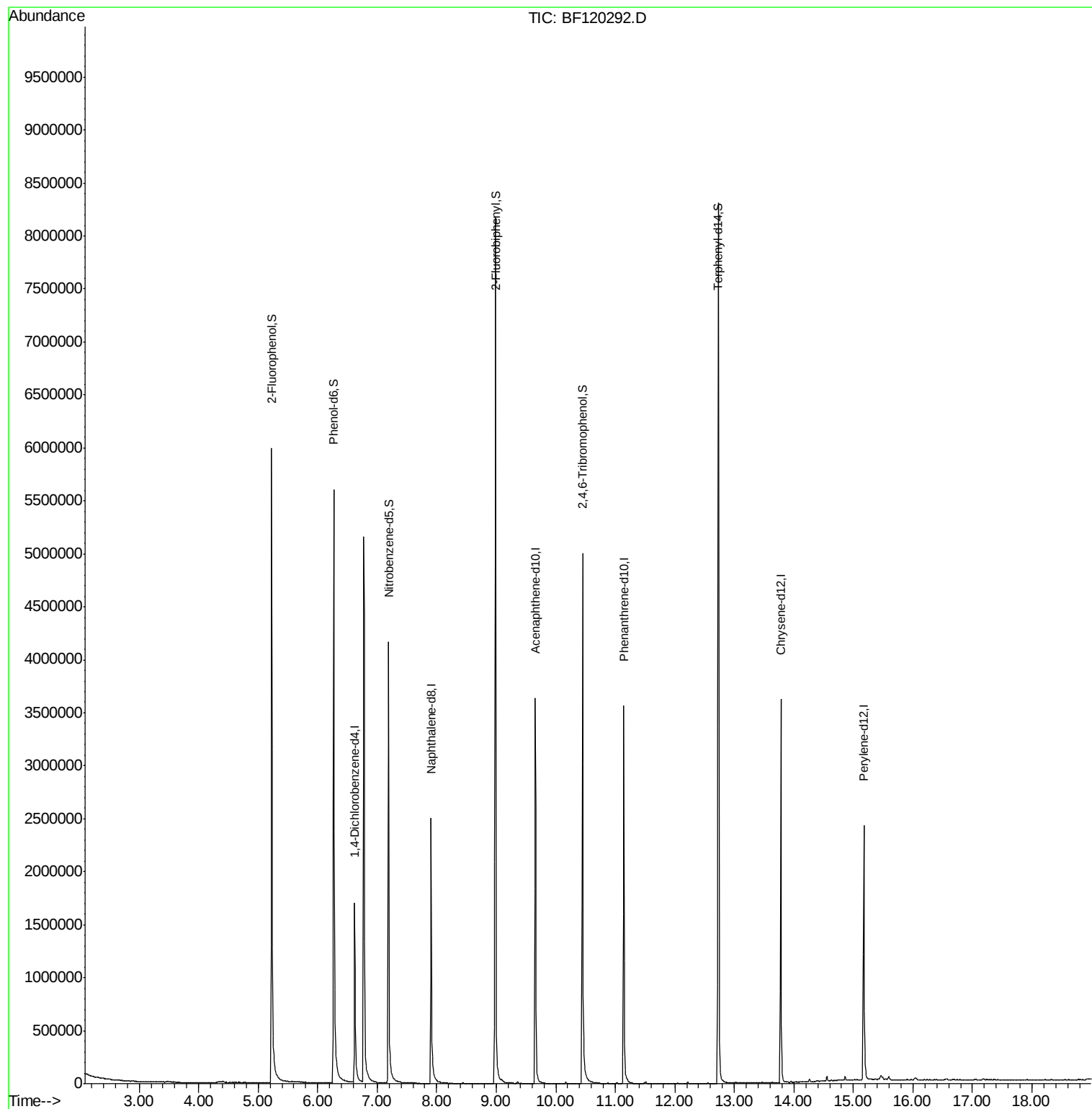
Target Compounds Qvalue

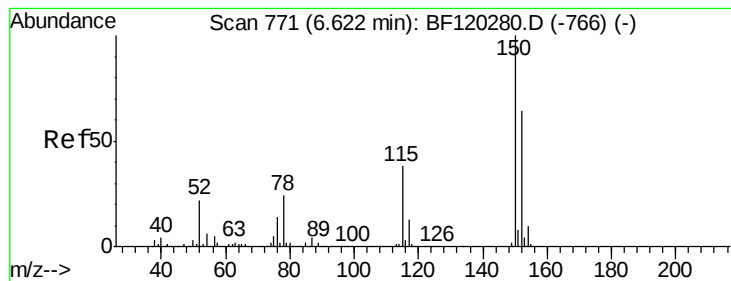
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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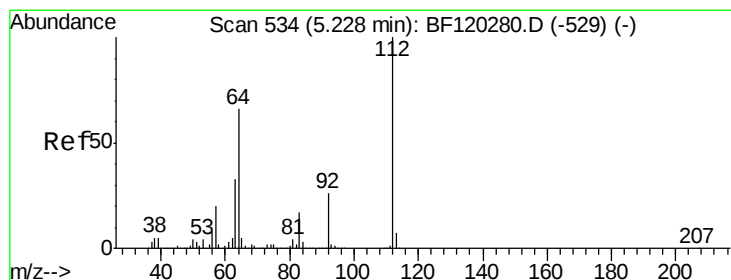
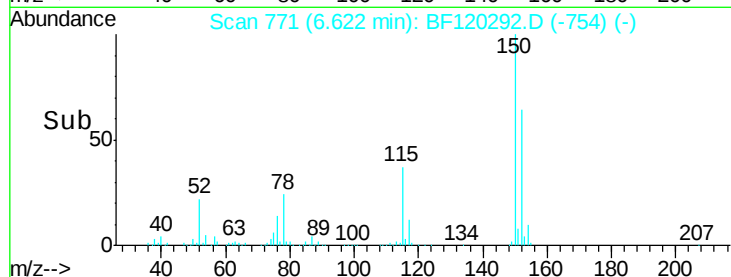
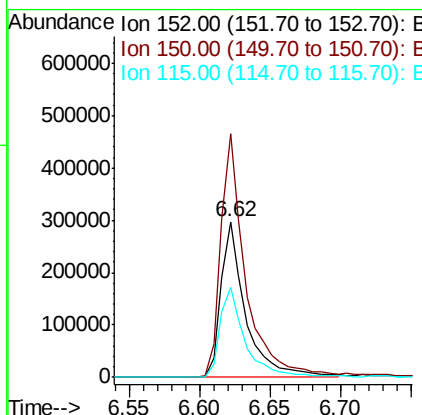
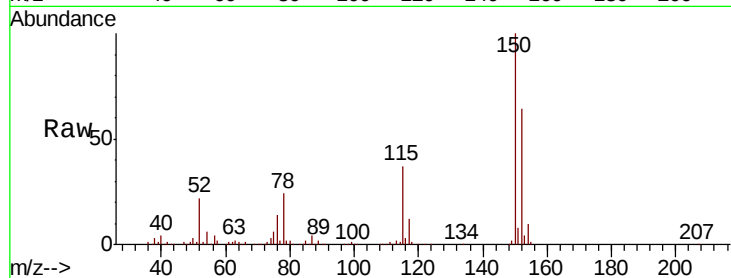


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.62 min Scan# 771  
Delta R.T. -0.00 min  
Lab File: BF120292.D  
Acq: 14 May 2020 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB128874BL

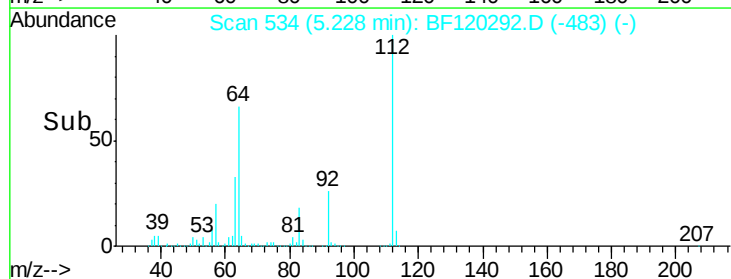
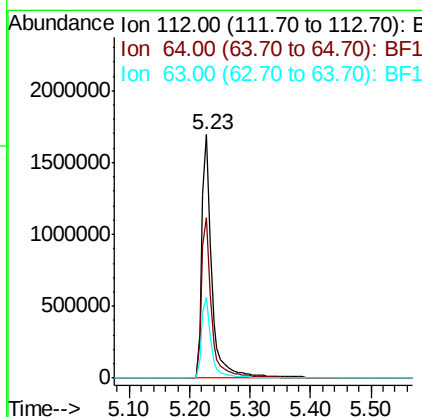
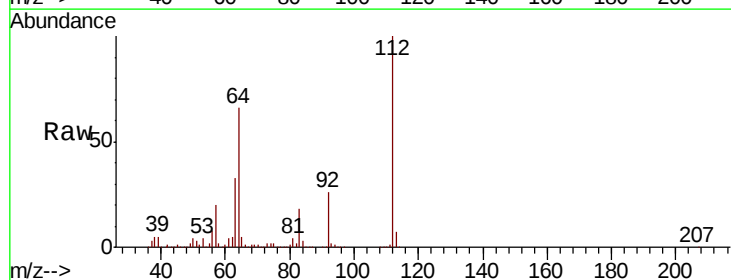
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 126.2 | 189.2 |
| 115     | 57.9  | 47.9  | 71.9  |

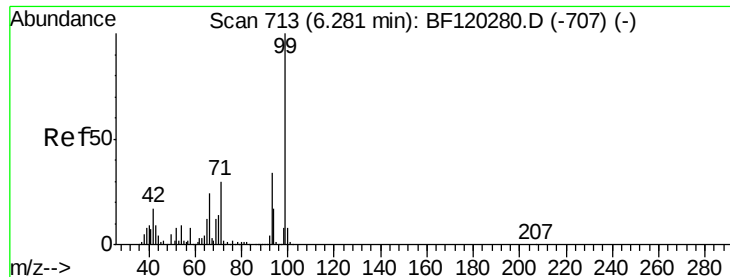


#5

2-Fluorophenol  
Concen: 106.669 ng  
RT: 5.23 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: BF120292.D  
Acq: 14 May 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.7  | 52.7  | 79.1  |
| 63      | 33.3  | 26.2  | 39.4  |





#7

Phenol-d6

Concen: 110.545 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF120292.D

Acq: 14 May 2020 15:58

Instrument :

BNA\_F

ClientSampleId :

PB128874BL

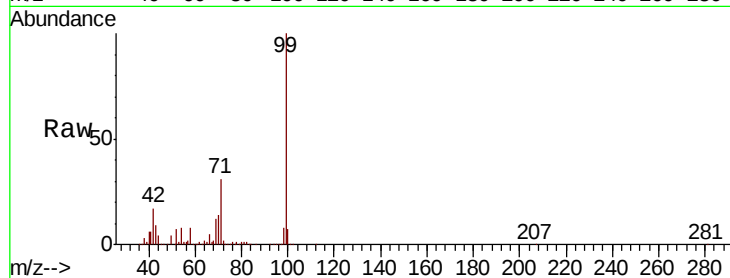
Tot Ion: 99 Resp: 2609582

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

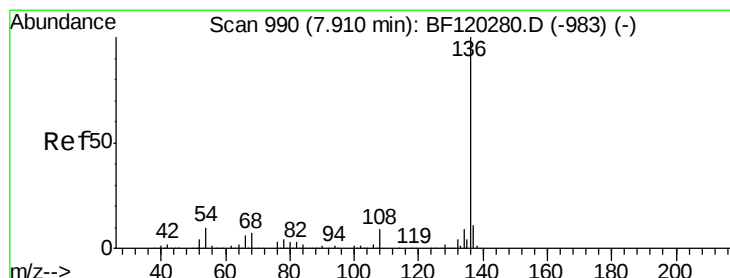
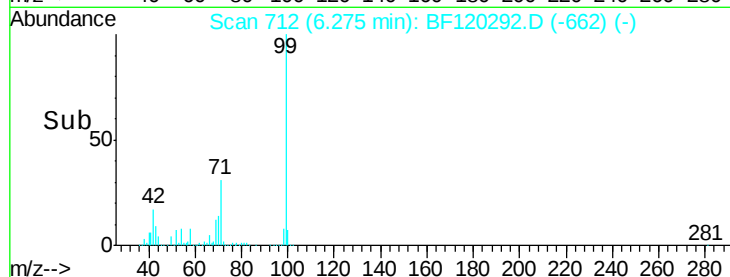
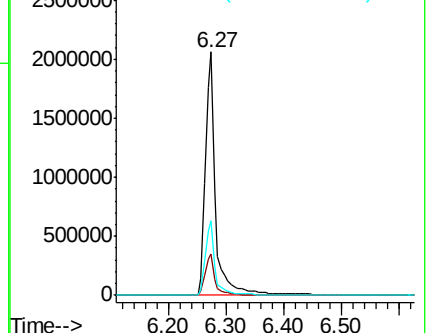
71 30.6 24.2 36.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF120292.D

Acq: 14 May 2020 15:58

Tgt Ion: 136 Resp: 1513085

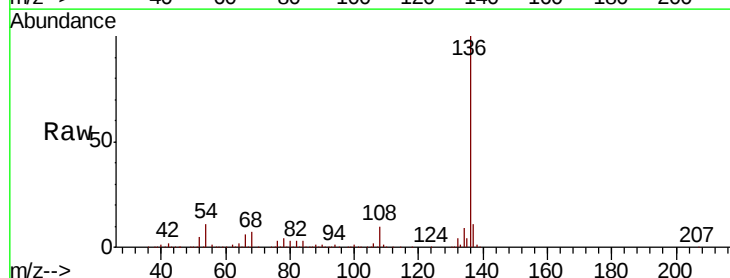
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.6 7.9 11.9

68 7.2 5.4 8.2

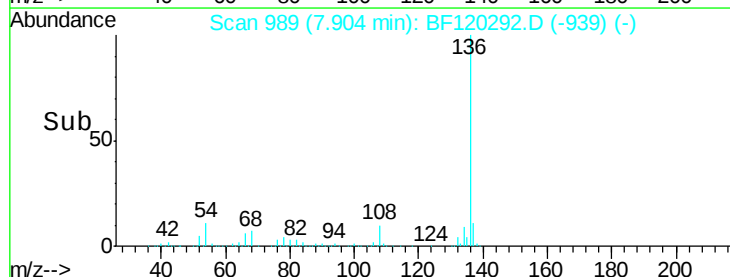
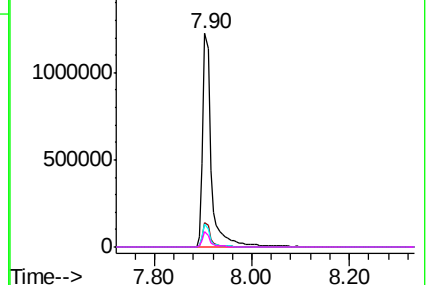


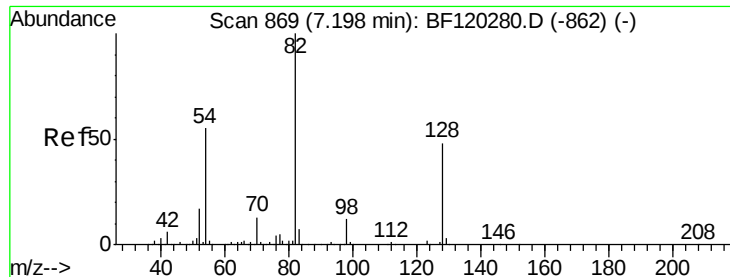
Abundance Ion 136.00 (135.70 to 136.70): E

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

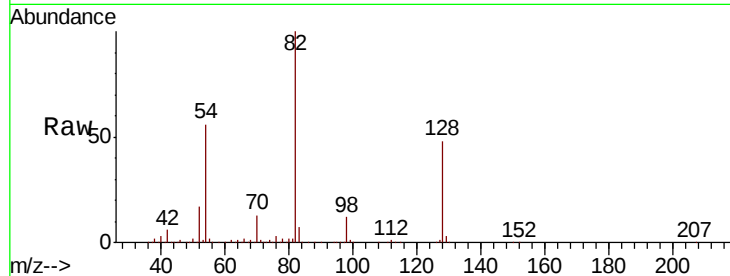




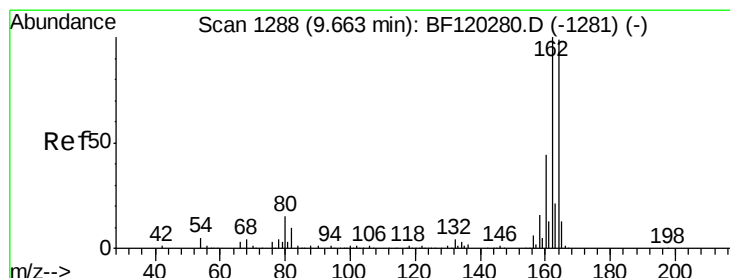
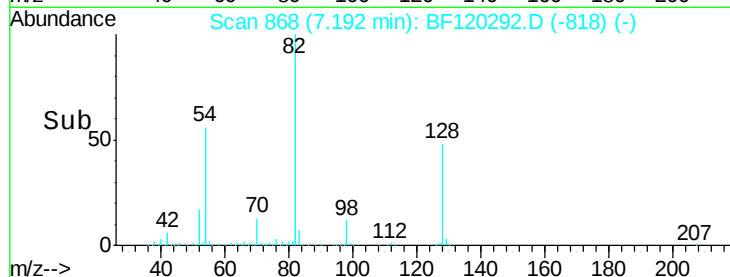
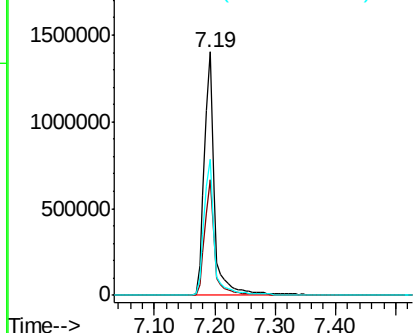
#23  
Nitrobenzene-d5  
Concen: 75.433 ng  
RT: 7.19 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: BF120292.D  
Acq: 14 May 2020 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB128874BL

Tot Ion: 82 Resp: 1667048  
Ion Ratio Lower Upper  
82 100  
128 47.5 38.3 57.5  
54 56.0 43.9 65.9

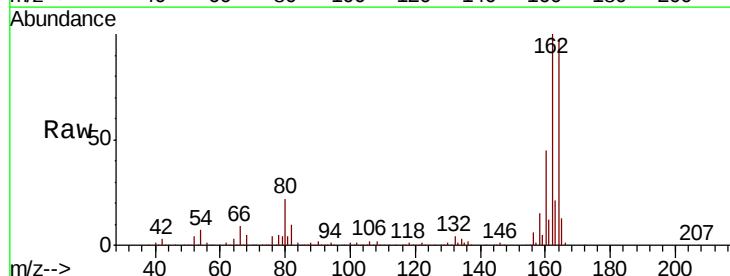


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

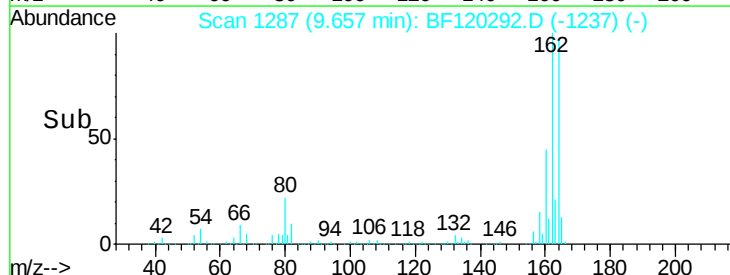
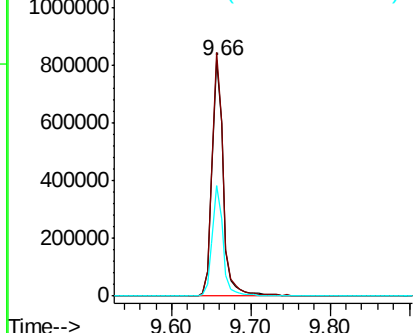


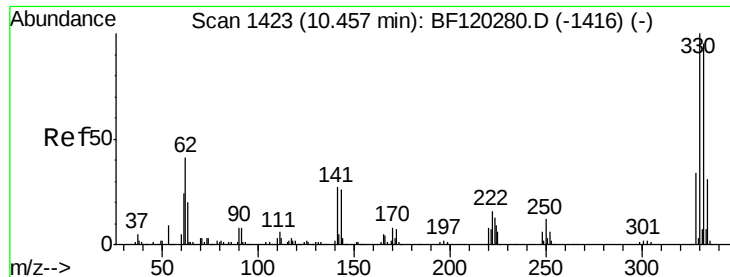
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.66 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BF120292.D  
Acq: 14 May 2020 15:58

Tgt Ion:164 Resp: 809161  
Ion Ratio Lower Upper  
164 100  
162 103.4 81.2 121.8  
160 46.7 35.8 53.6



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

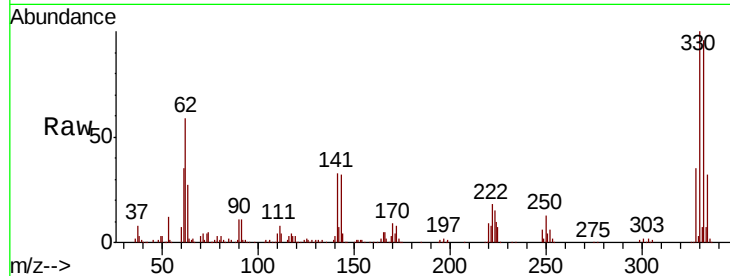




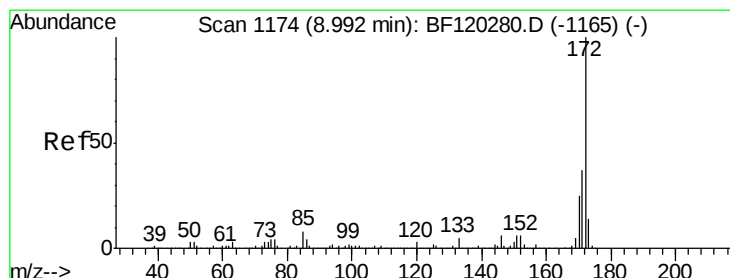
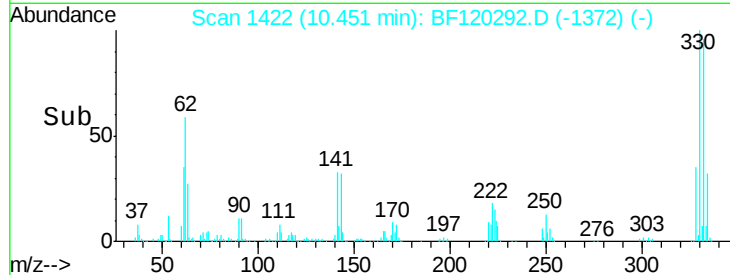
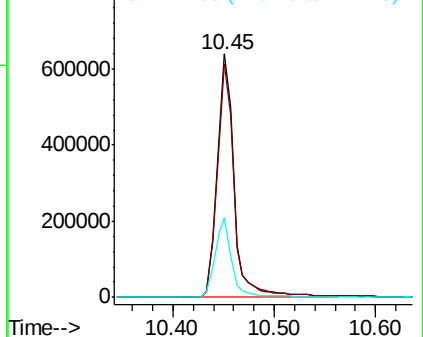
#42  
 2,4,6-Tribromophenol  
 Concen: 112.886 ng  
 RT: 10.45 min Scan# 1422  
 Delta R.T. -0.01 min  
 Lab File: BF120292.D  
 Acq: 14 May 2020 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128874BL

Tot Ion:330 Resp: 744763  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.5 114.7  
 141 33.0 25.4 38.0

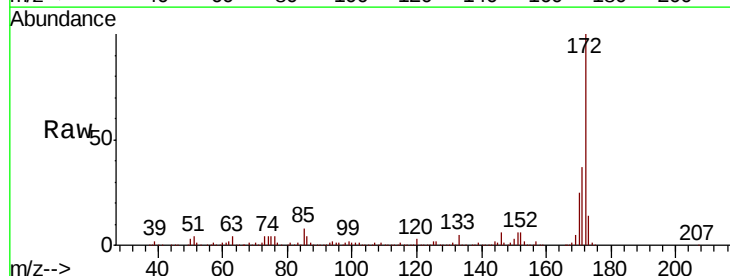


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

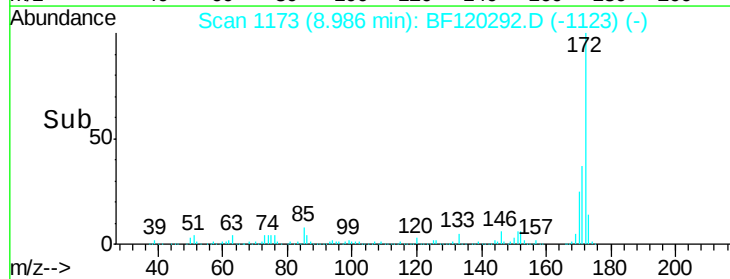
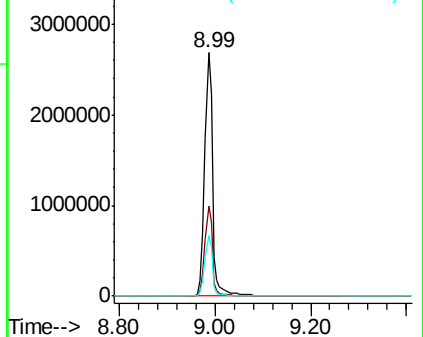


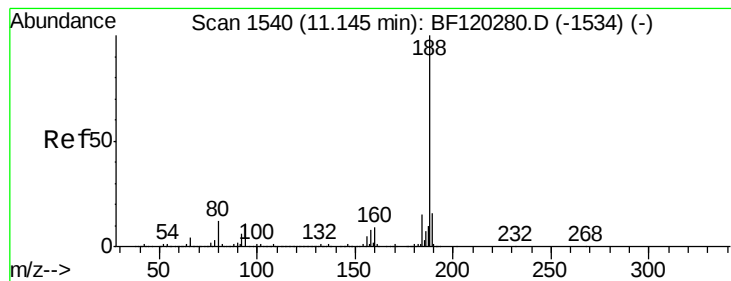
#45  
 2-Fluorobiphenyl  
 Concen: 78.760 ng  
 RT: 8.99 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF120292.D  
 Acq: 14 May 2020 15:58

Tgt Ion:172 Resp: 3101984  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.7 44.5  
 170 25.0 19.9 29.9



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: 11.15 min Scan# 1540

Delta R.T. 0.00 min

Lab File: BF120292.D

Acq: 14 May 2020 15:58

Instrument :

BNA\_F

ClientSampleId :

PB128874BL

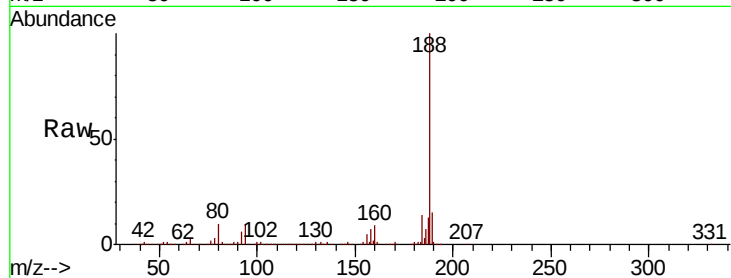
Tot Ion:188 Resp: 1651309

Ion Ratio Lower Upper

188 100

94 9.6 8.6 13.0

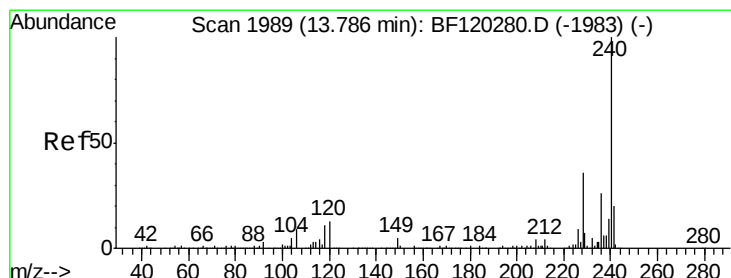
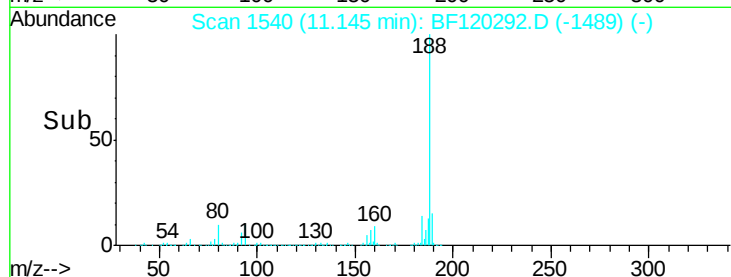
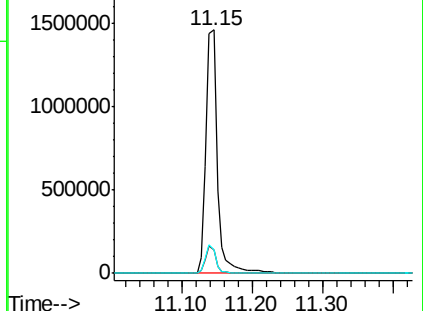
80 9.7 9.2 13.8



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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF120292.D

Acq: 14 May 2020 15:58

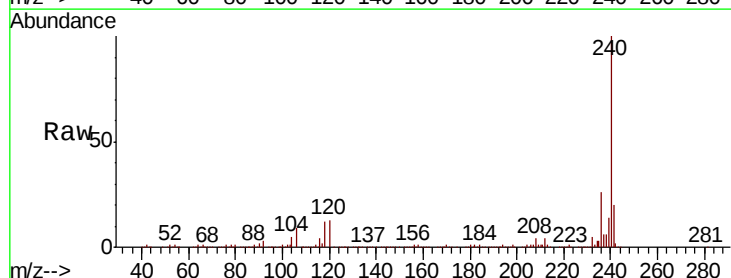
Tgt Ion:240 Resp: 1323936

Ion Ratio Lower Upper

240 100

120 13.3 10.4 15.6

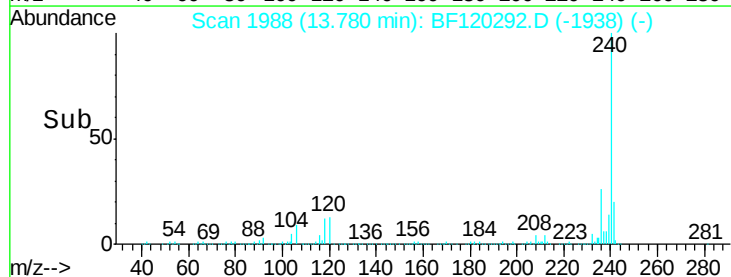
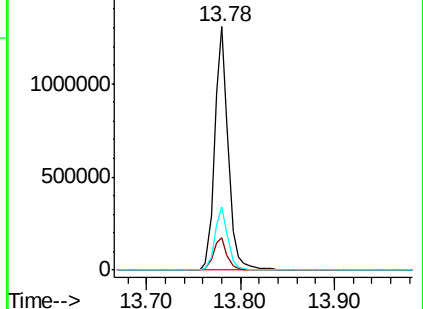
236 26.0 21.0 31.6

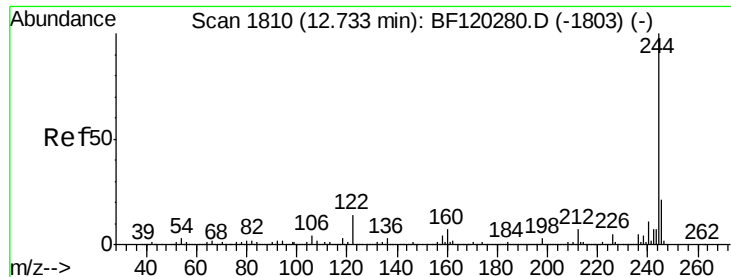


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

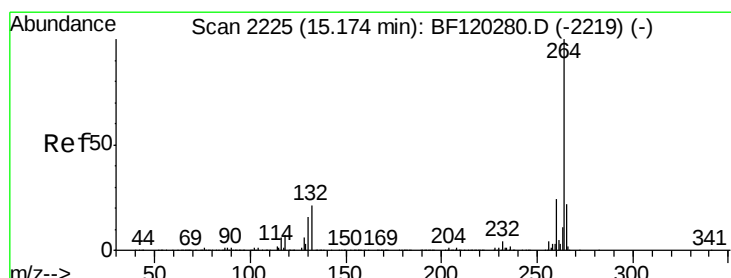
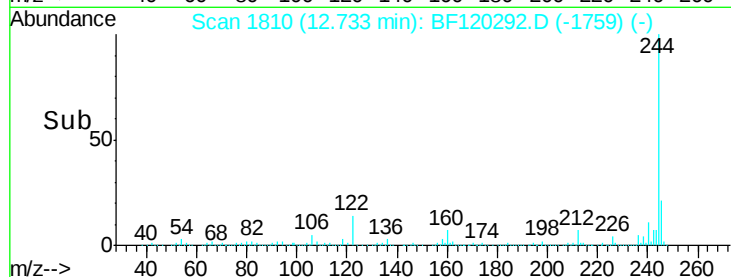
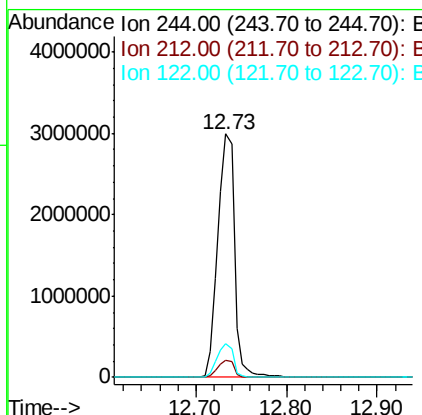
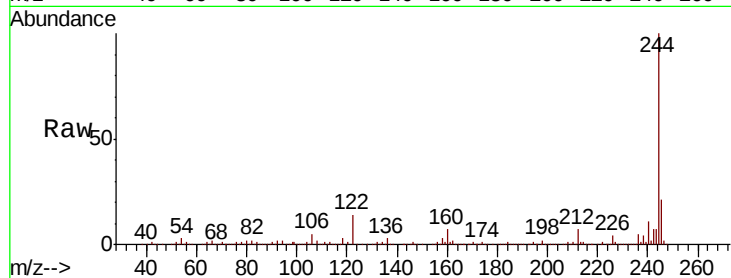




#79  
 Terphenyl-d14  
 Concen: 63.832 ng  
 RT: 12.73 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: BF120292.D  
 Acq: 14 May 2020 15:58

Instrument :  
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Tot Ion:244 Resp: 3825309  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.6  
 122 13.8 10.8 16.2



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.17 min Scan# 2225  
 Delta R.T. 0.00 min  
 Lab File: BF120292.D  
 Acq: 14 May 2020 15:58

Tgt Ion:264 Resp: 1140453  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.6  
 265 22.1 17.5 26.3

