

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
 Data File : BF117589.D  
 Acq On : 29 Oct 2019 14:31  
 Operator : JU  
 Sample : K5503-17  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 171-64-(0-1.8)

Quant Time: Oct 30 03:25:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

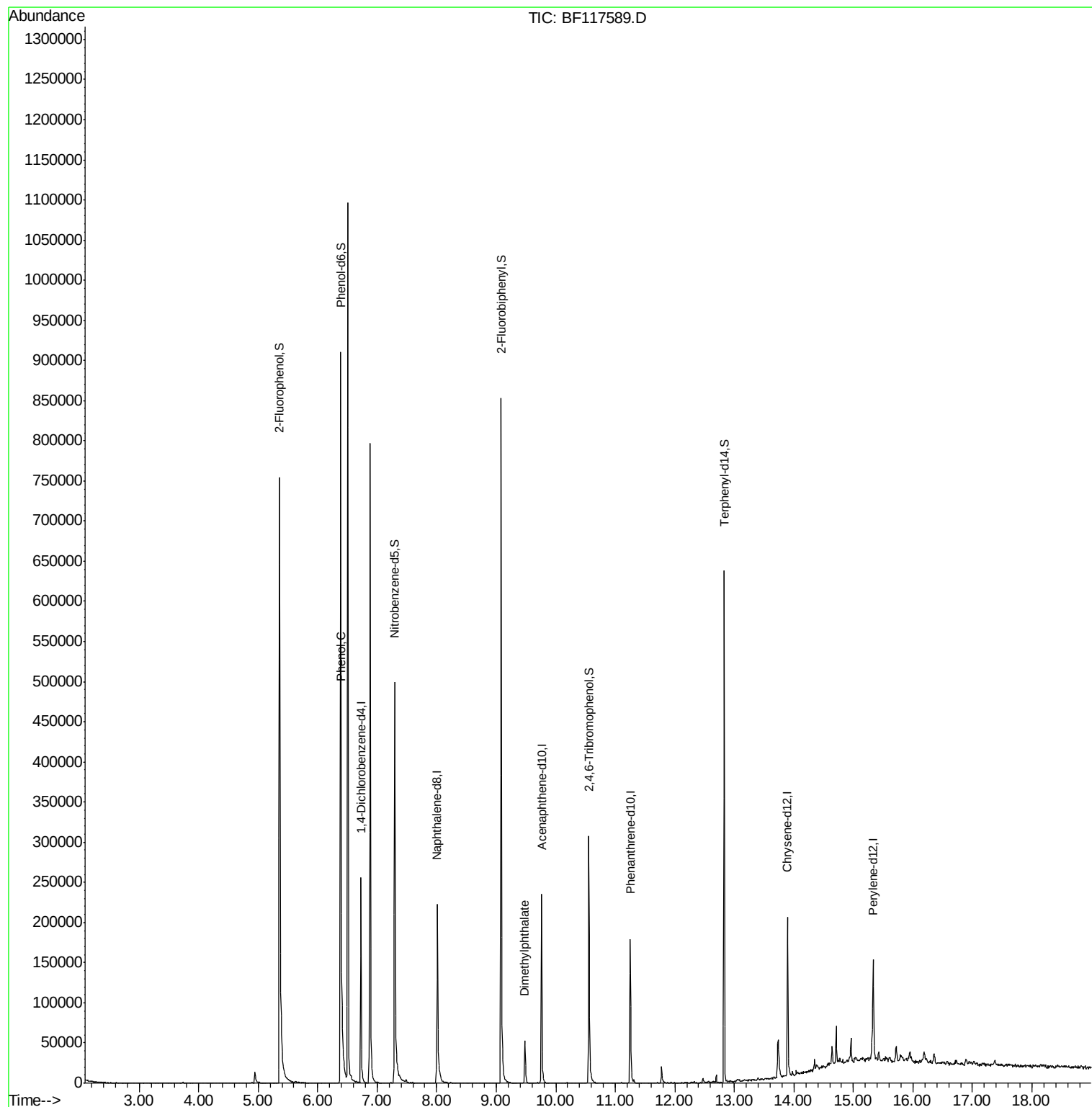
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 39982    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 144654   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 59645    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.25 | 188  | 80132    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.89 | 240  | 70844    | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.33 | 264  | 60144    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 289850   | 107.85 | ng    | 0.00     |
| 7) Phenol-d6                | 6.39  | 99   | 389737   | 107.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 228919   | 78.13  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 42299    | 81.96  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 296333   | 70.00  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.83 | 244  | 197738   | 45.53  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.40  | 94   | 10731    | 2.913  | ng    | 91       |
| 50) Dimethylphthalate       | 9.48  | 163  | 30024    | 7.061  | ng    | 97       |

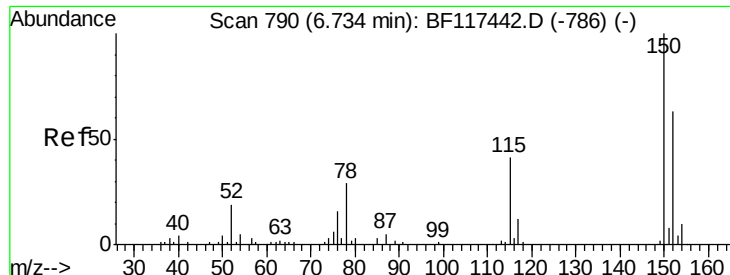
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
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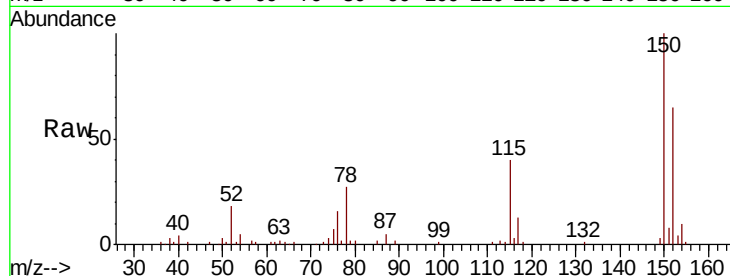


#1

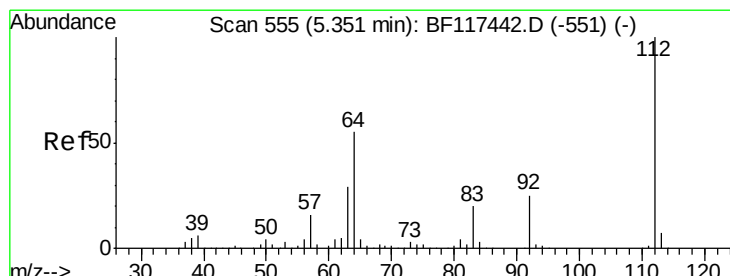
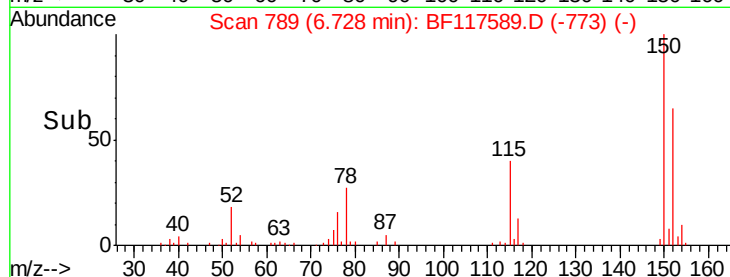
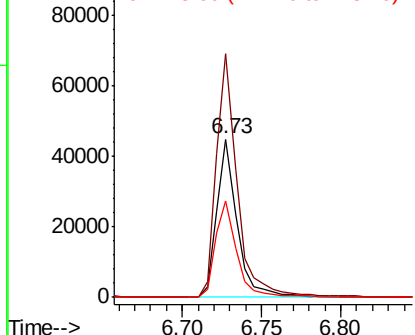
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

Instrument :  
BNA\_F  
ClientSampleId :  
171-64-(0-1.8)

Tot Ion:152 Resp: 39982  
Ion Ratio Lower Upper  
152 100  
150 154.2 126.8 190.2  
115 61.4 51.6 77.4



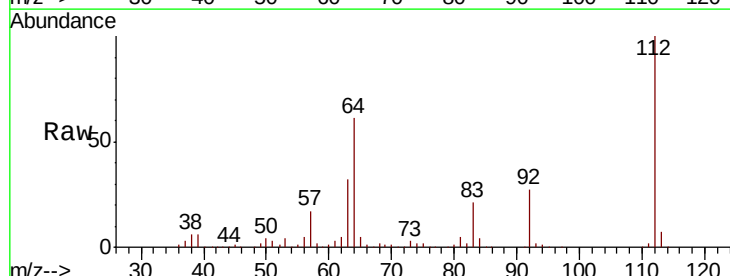
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



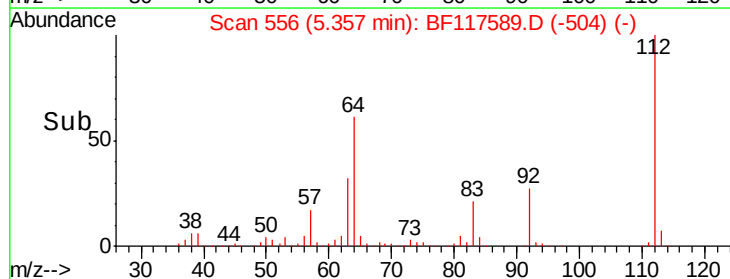
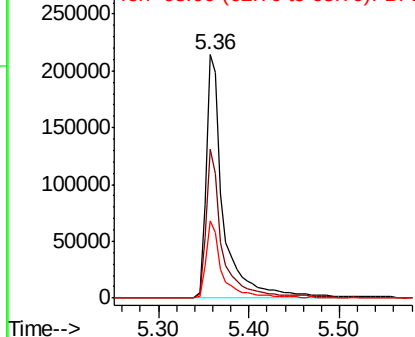
#5

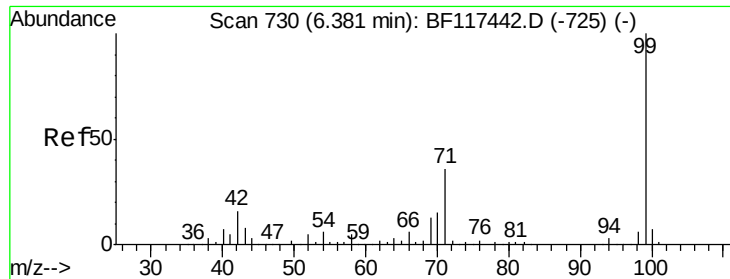
2-Fluorophenol  
Concen: 107.851 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

Tgt Ion:112 Resp: 289850  
Ion Ratio Lower Upper  
112 100  
64 61.3 44.1 66.1  
63 31.5 23.4 35.2



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: 107.972 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

Instrument :

BNA\_F

ClientSampleId :

171-64-(0-1.8)

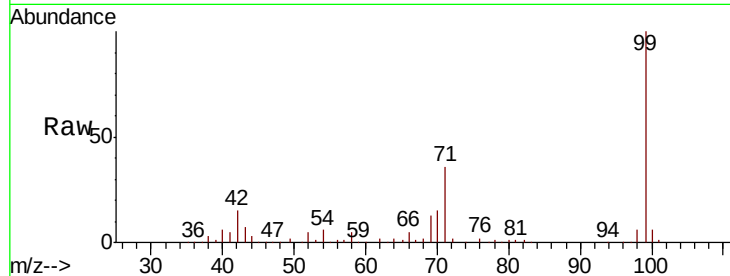
Tot Ion: 99 Resp: 389737

Ion Ratio Lower Upper

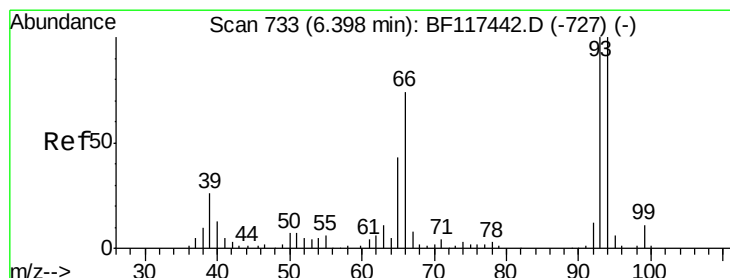
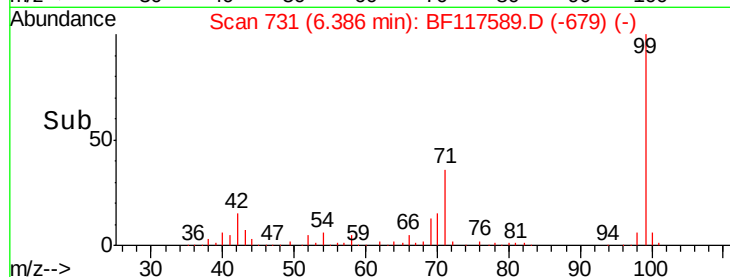
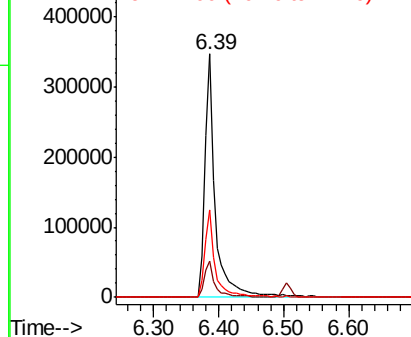
99 100

42 15.1 12.8 19.2

71 35.8 28.6 43.0



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



#10

Phenol

Concen: 2.913 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

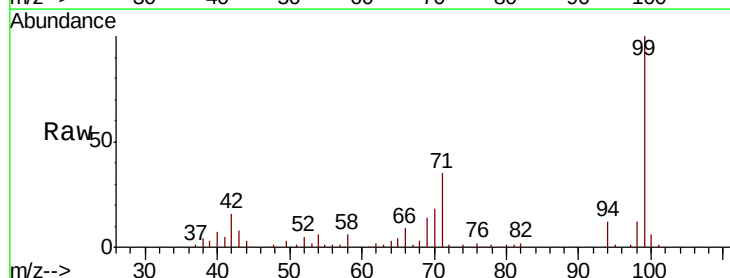
Tgt Ion: 94 Resp: 10731

Ion Ratio Lower Upper

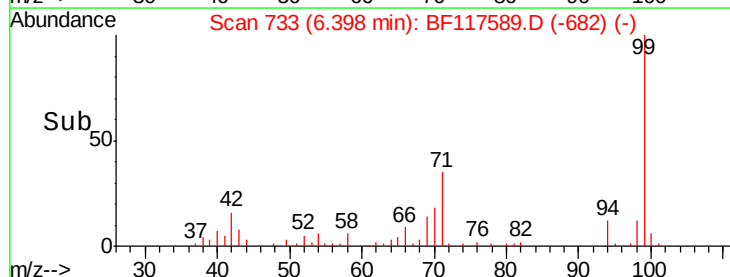
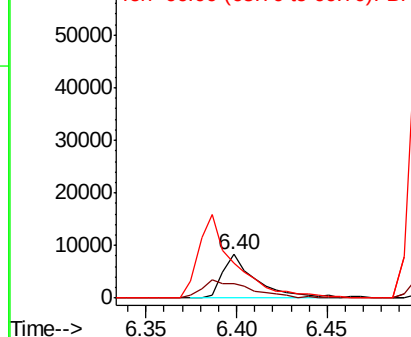
94 100

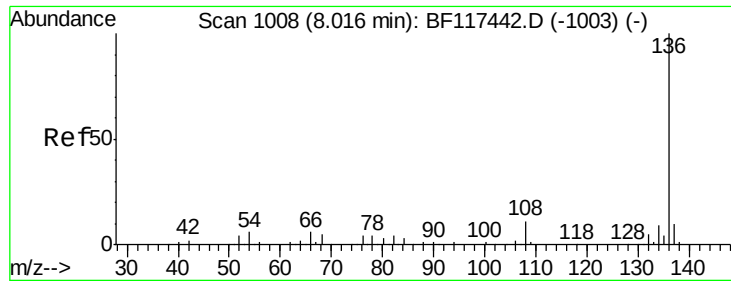
65 33.6 23.4 63.4

66 79.3 54.7 94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

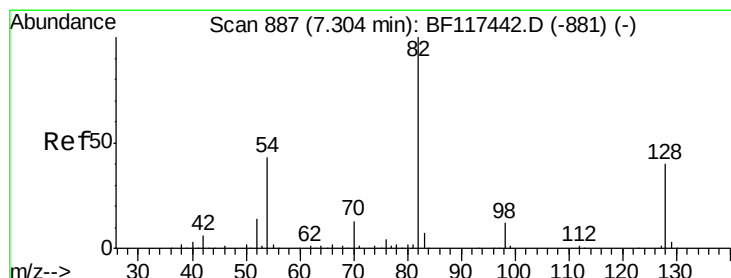
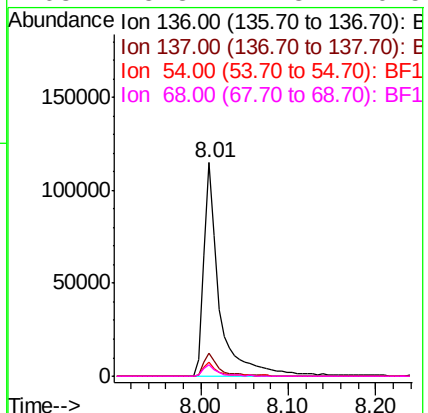
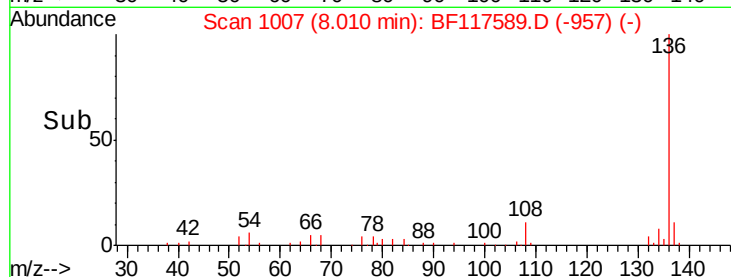
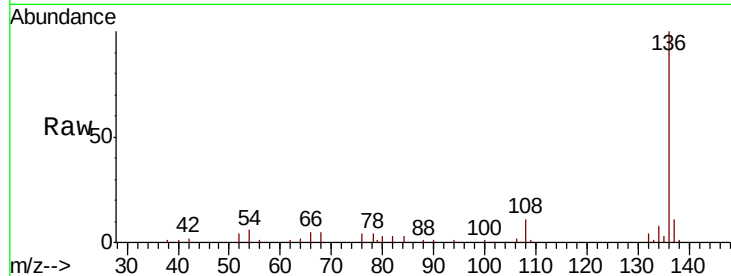




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

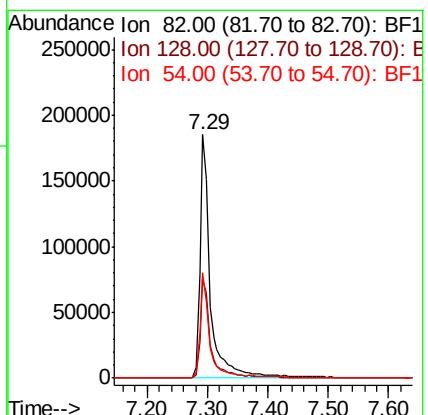
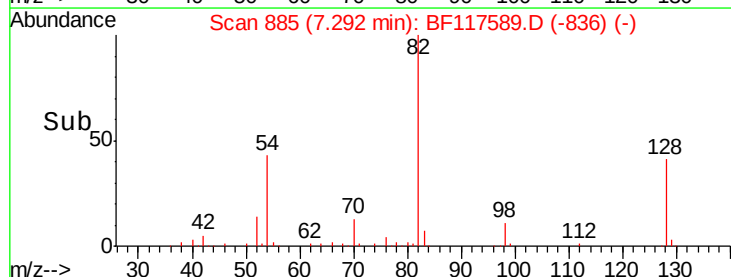
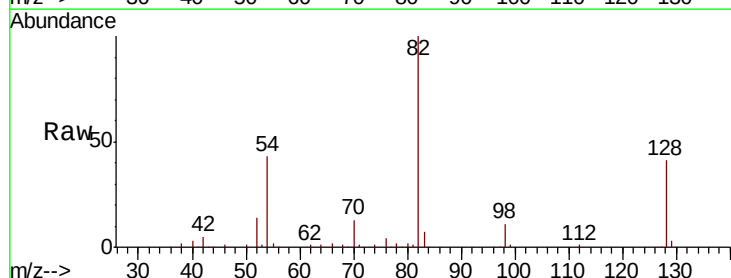
Instrument :  
BNA\_F  
ClientSampleId :  
171-64-(0-1.8)

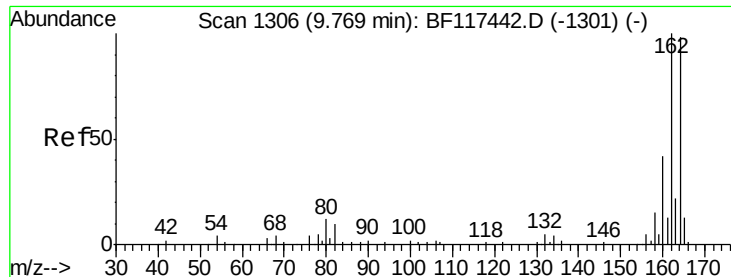
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 144654      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 8.2 12.4    |
| 54          | 6.5   | 4.5 6.7     |
| 68          | 5.3   | 4.3 6.5     |



#23  
Nitrobenzene-d5  
Concen: 78.126 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 228919      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.7  | 32.2 48.2   |
| 54          | 43.4  | 34.2 51.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

Instrument :

BNA\_F

ClientSampleId :

171-64-(0-1.8)

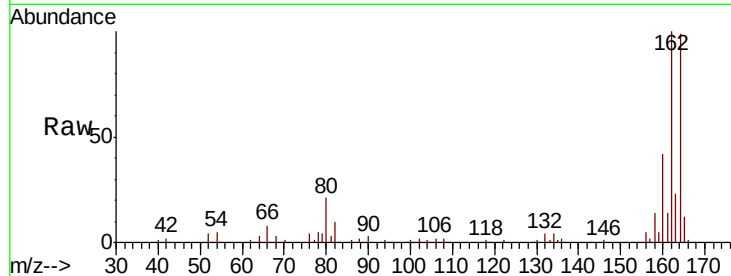
Tot Ion:164 Resp: 59645

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.6

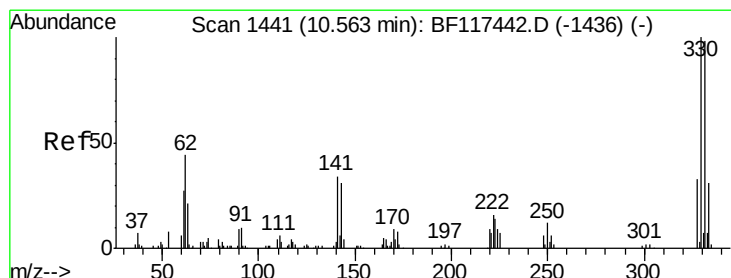
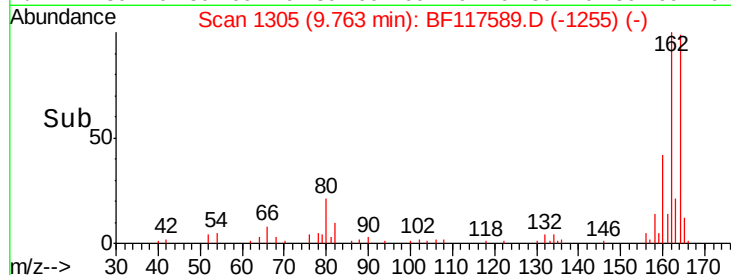
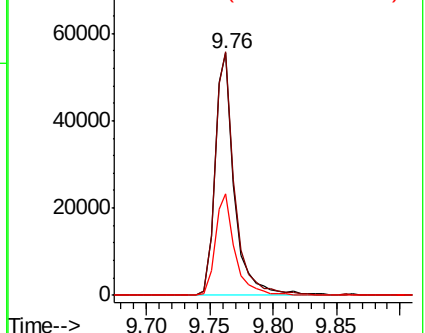
160 42.0 34.4 51.6



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: 81.962 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

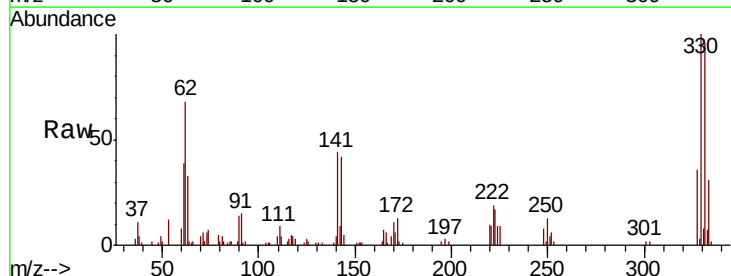
Tgt Ion:330 Resp: 42299

Ion Ratio Lower Upper

330 100

332 93.8 78.5 117.7

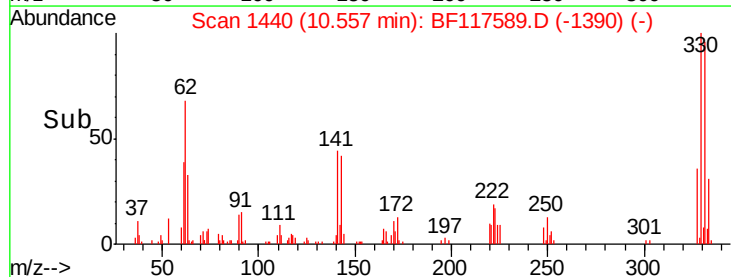
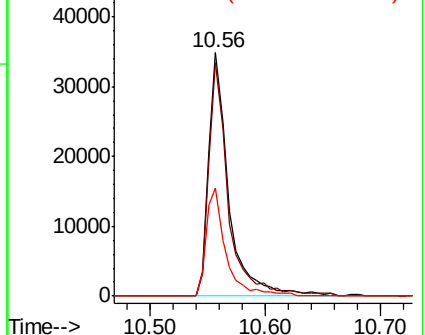
141 43.6 37.0 55.6

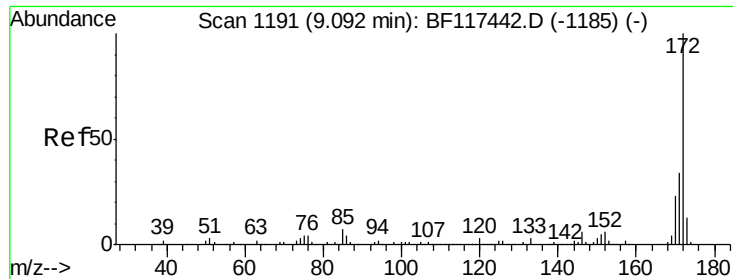


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

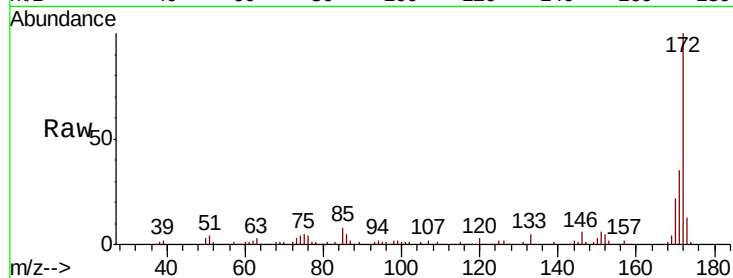




#45  
2-Fluorobiphenyl  
Concen: 70.003 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

Instrument :  
BNA\_F  
ClientSampleId :  
171-64-(0-1.8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 27.5  | 41.3  |
| 170     | 22.4  | 18.6  | 27.8  |

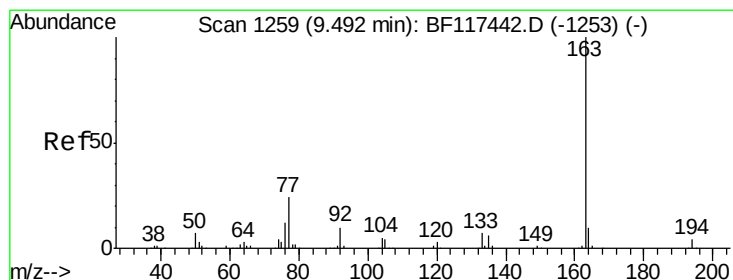
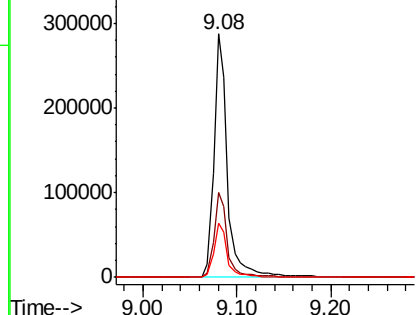
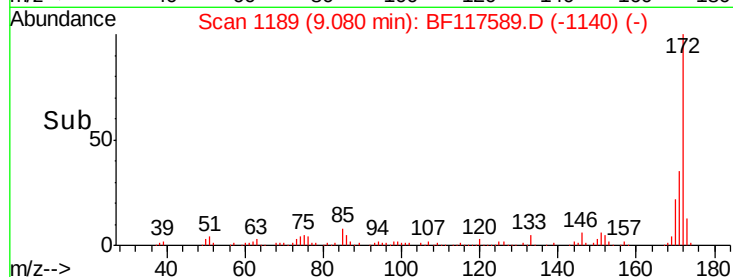


Abundance

Ion 172.00 (171.70 to 172.70): E

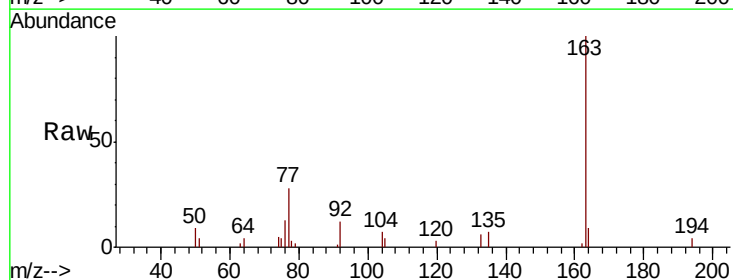
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50  
Dimethylphthalate  
Concen: 7.061 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 2.9   | 4.3   |
| 164     | 8.9   | 8.2   | 12.2  |

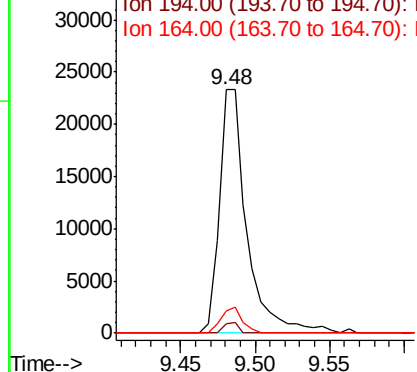
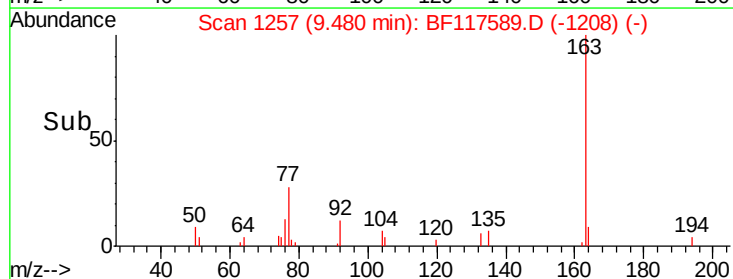


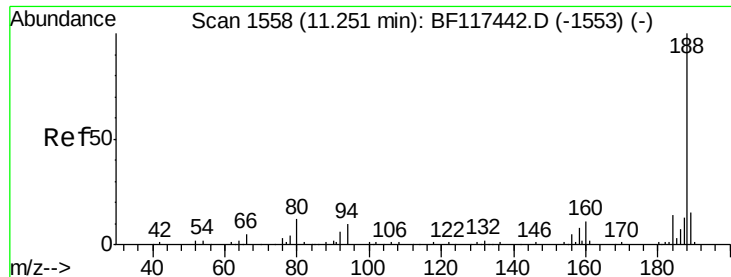
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

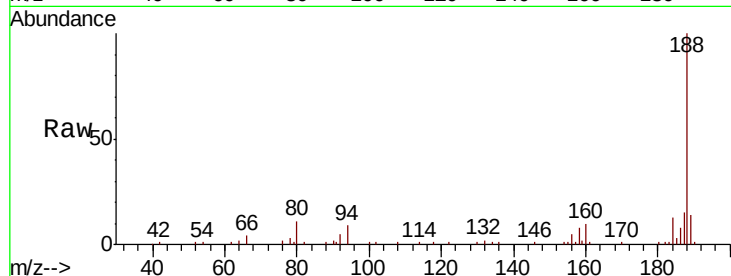




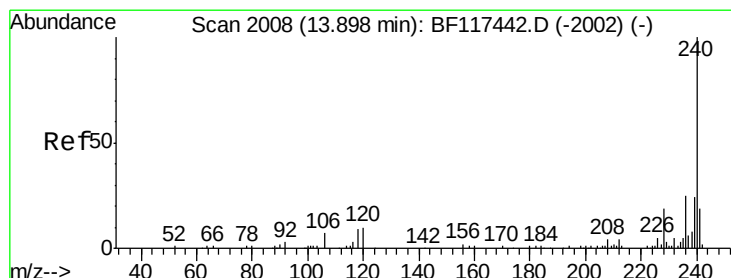
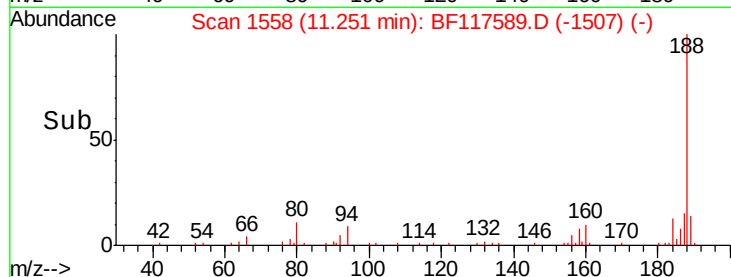
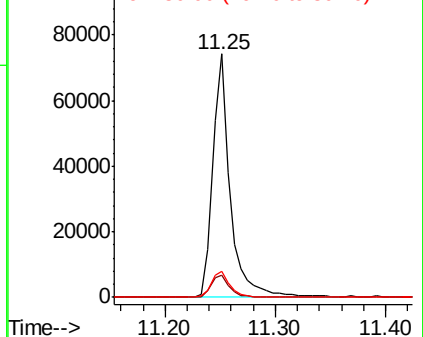
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

Instrument :  
BNA\_F  
ClientSampleId :  
171-64-(0-1.8)

Tot Ion:188 Resp: 80132  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.0 12.0  
80 10.7 9.5 14.3

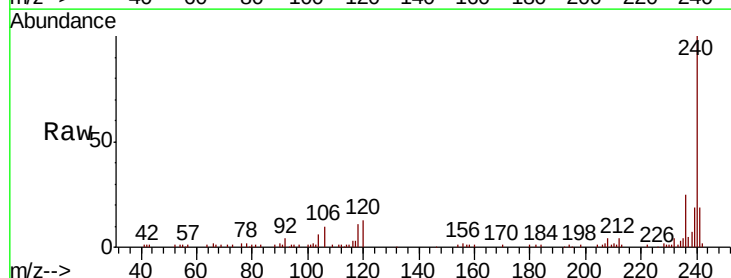


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

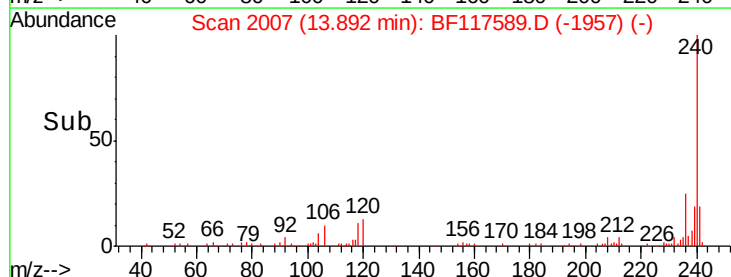
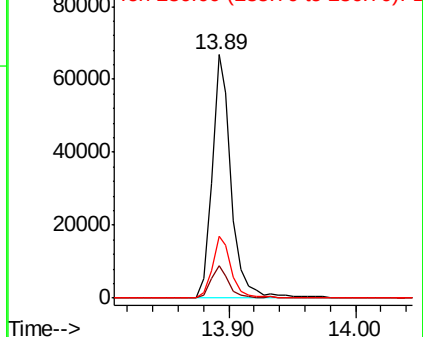


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF117589.D  
Acq: 29 Oct 2019 14:31

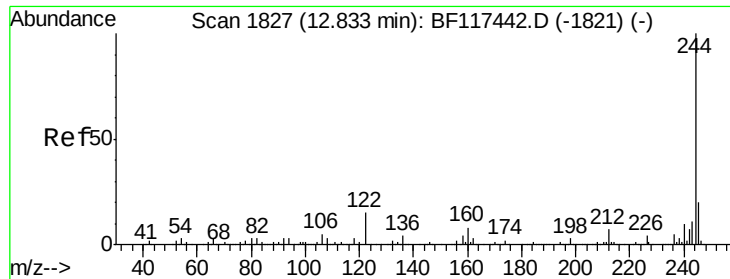
Tgt Ion:240 Resp: 70844  
Ion Ratio Lower Upper  
240 100  
120 13.1 8.4 12.6#  
236 25.2 20.0 30.0



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: 45.527 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

Instrument :

BNA\_F

ClientSampleId :

171-64-(0-1.8)

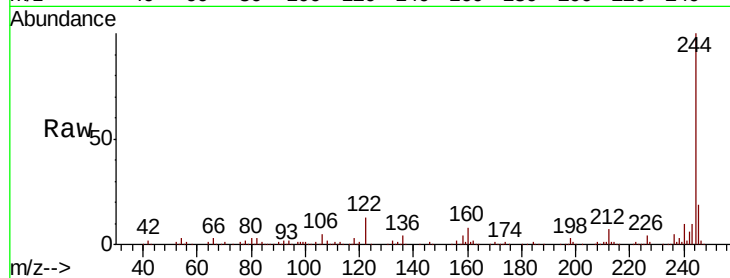
Tot Ion:244 Resp: 197738

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

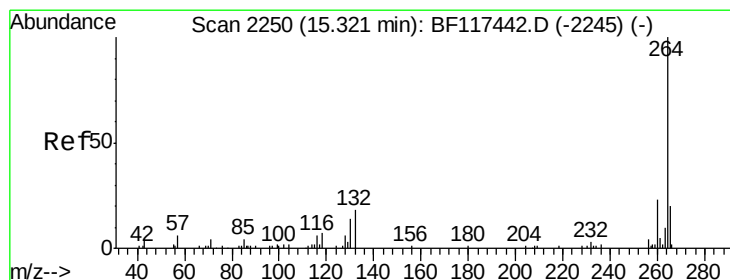
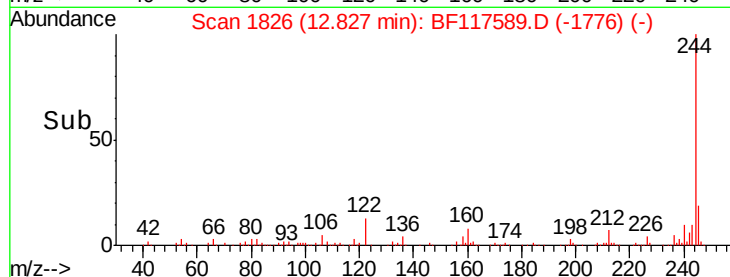
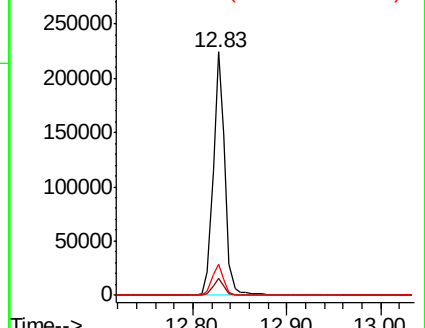
122 12.6 11.8 17.8



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: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

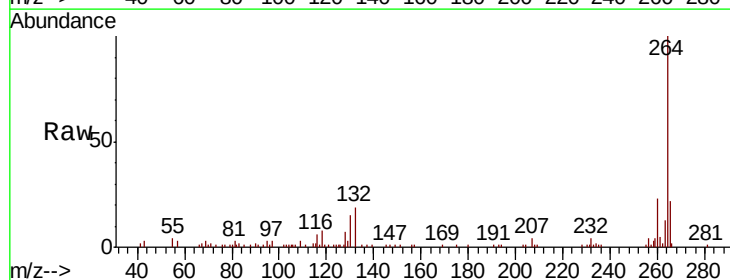
Tgt Ion:264 Resp: 60144

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 22.5 16.1 24.1



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

