

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\  
 Data File : BF117558.D  
 Acq On : 28 Oct 2019 13:50  
 Operator : JU  
 Sample : K5502-11  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 179-18-(0-2.1)

Quant Time: Oct 29 15:29:19 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

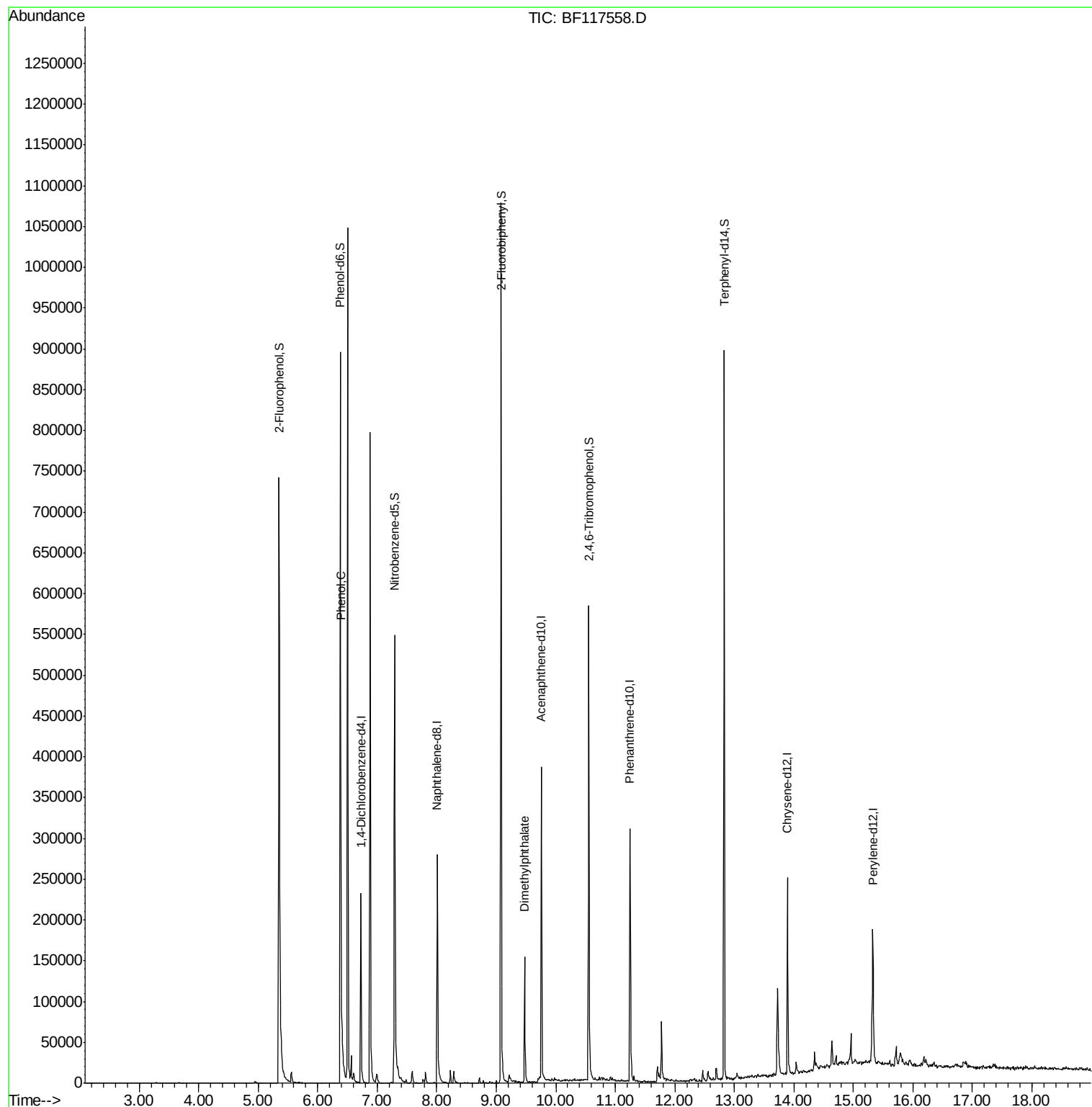
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 38676    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 159165   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 80888    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.25 | 188  | 126990   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.89 | 240  | 77156    | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.33 | 264  | 77021    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 268772   | 103.39 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 371965   | 106.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 227059   | 70.43  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 67333    | 96.21  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 326393   | 56.85  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.83 | 244  | 264550   | 55.93  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.39  | 94   | 9620     | 2.699  | ng    | 85       |
| 50) Dimethylphthalate       | 9.48  | 163  | 69263    | 12.011 | ng    | 99       |

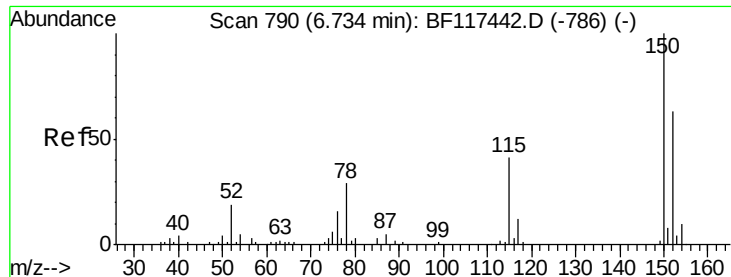
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\  
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ClientSampleId :  
179-18-(0-2.1)

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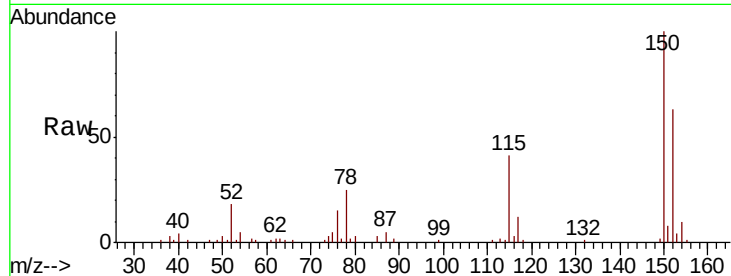


#1

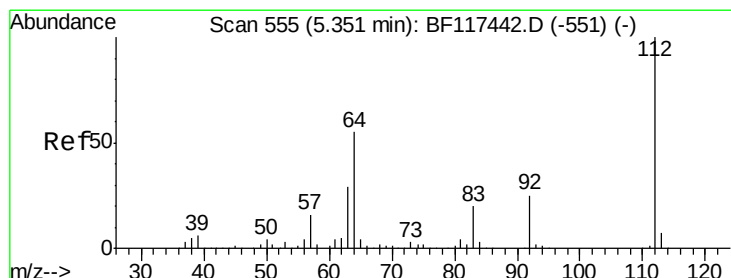
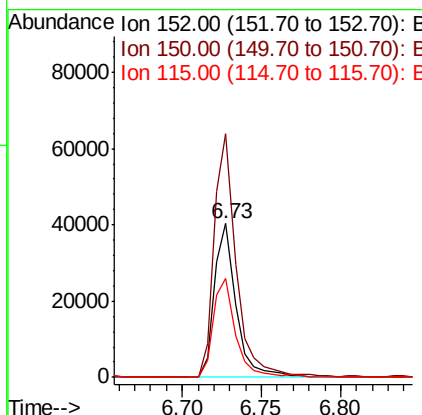
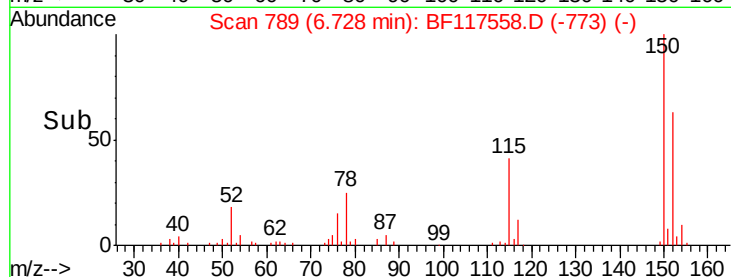
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.73 min Scan# 789  
 Delta R.T. -0.01 min  
 Lab File: BF117558.D  
 Acq: 28 Oct 2019 13:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 179-18-(0-2.1)

Tot Ion:152 Resp: 38676  
 Ion Ratio Lower Upper  
 152 100  
 150 158.4 126.8 190.2  
 115 64.5 51.6 77.4



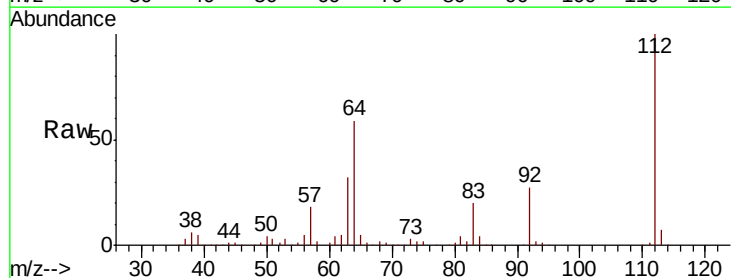
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



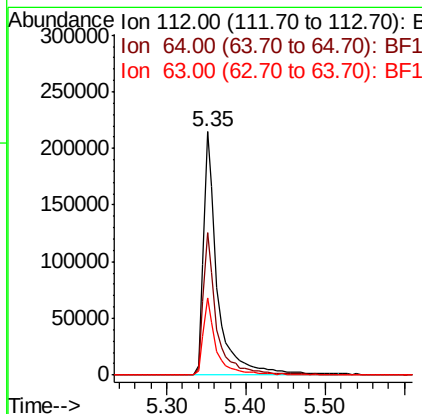
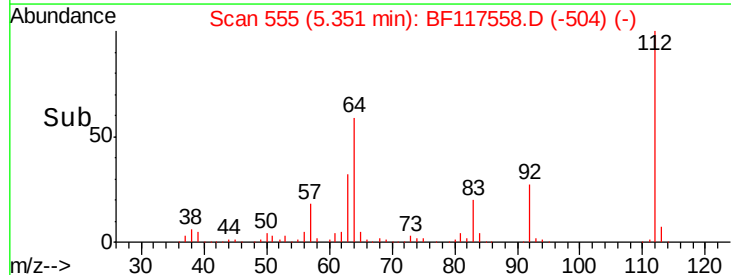
#5

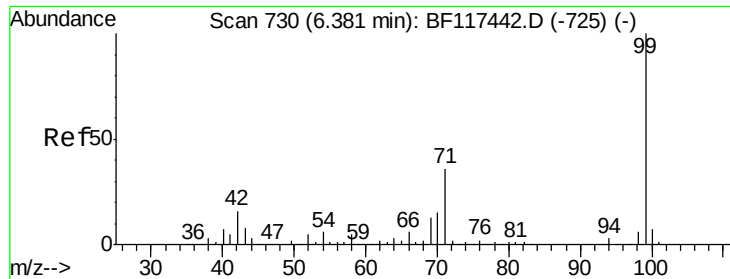
2-Fluorophenol  
 Concen: 103.385 ng  
 RT: 5.35 min Scan# 555  
 Delta R.T. -0.00 min  
 Lab File: BF117558.D  
 Acq: 28 Oct 2019 13:50

Tgt Ion:112 Resp: 268772  
 Ion Ratio Lower Upper  
 112 100  
 64 58.6 44.1 66.1  
 63 31.6 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: 106.528 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117558.D

Acq: 28 Oct 2019 13:50

Instrument :

BNA\_F

ClientSampleId :

179-18-(0-2.1)

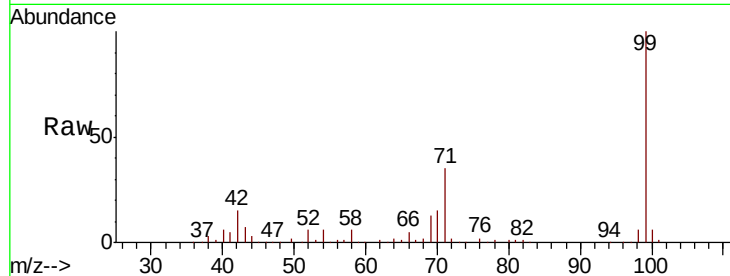
Tot Ion: 99 Resp: 371965

Ion Ratio Lower Upper

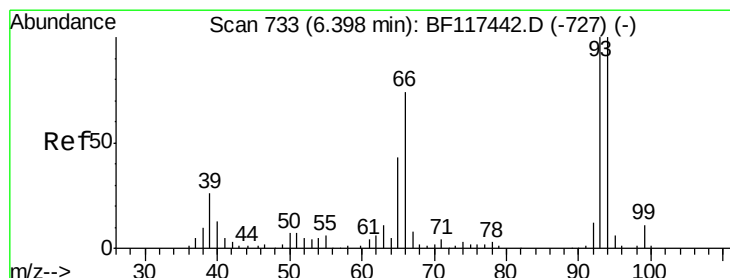
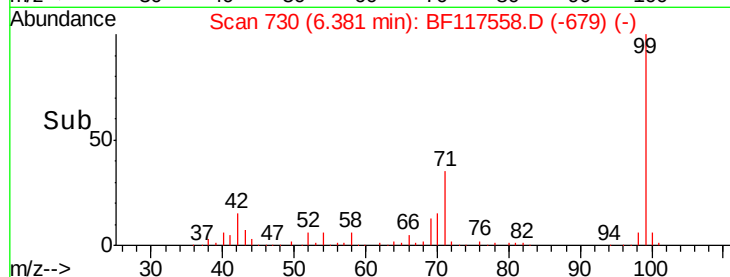
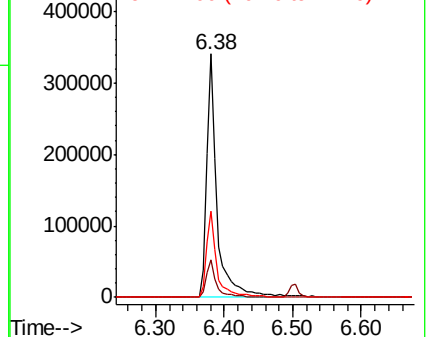
99 100

42 15.4 12.8 19.2

71 35.1 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: 2.699 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117558.D

Acq: 28 Oct 2019 13:50

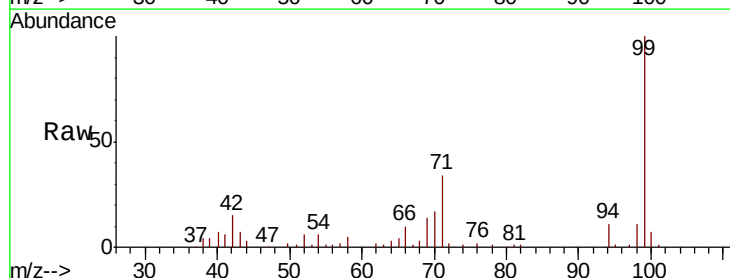
Tgt Ion: 94 Resp: 9620

Ion Ratio Lower Upper

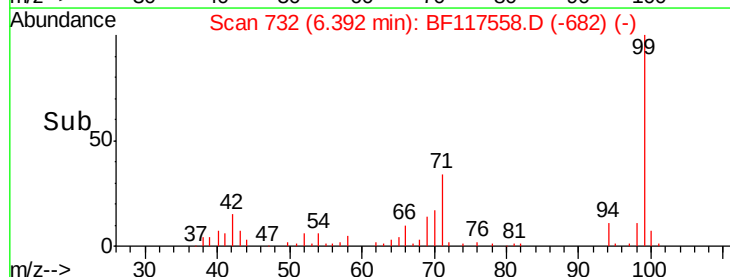
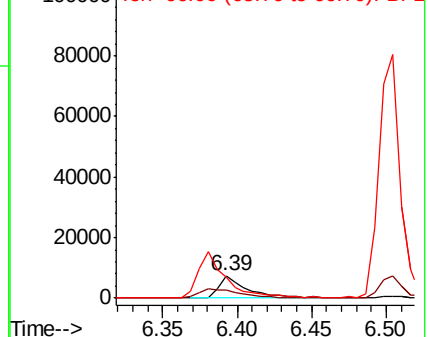
94 100

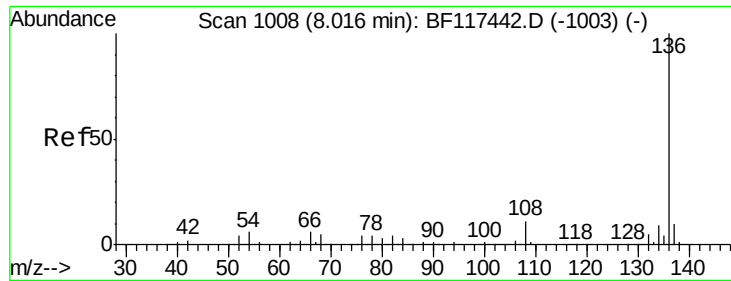
65 38.3 23.4 63.4

66 91.1 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

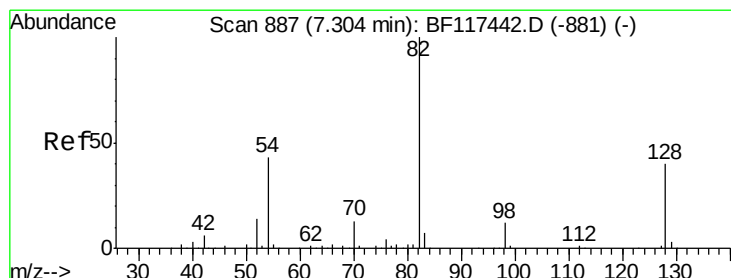
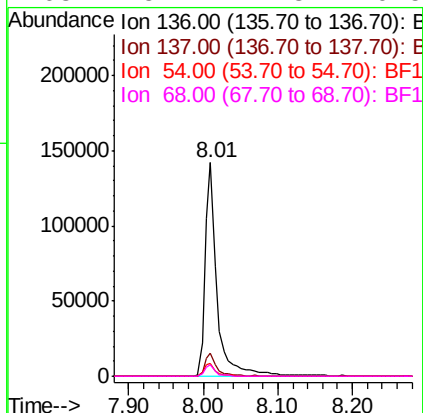
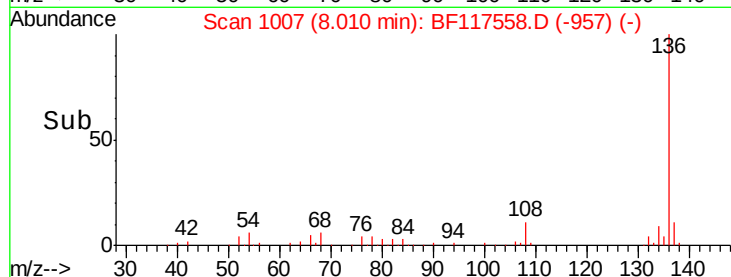
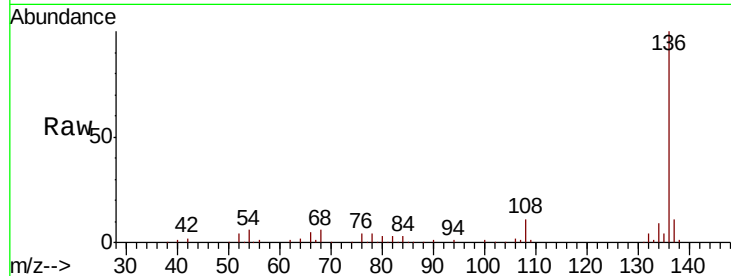




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

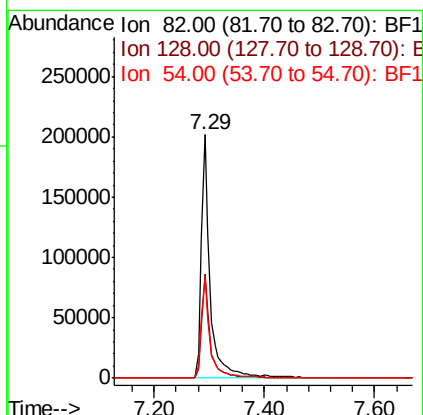
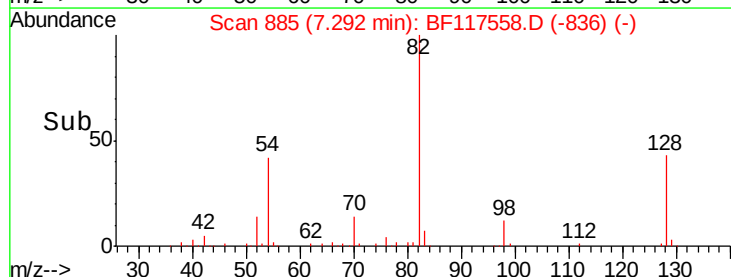
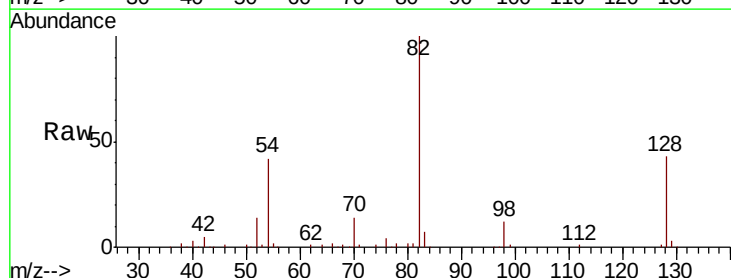
Instrument :  
BNA\_F  
ClientSampleId :  
179-18-(0-2.1)

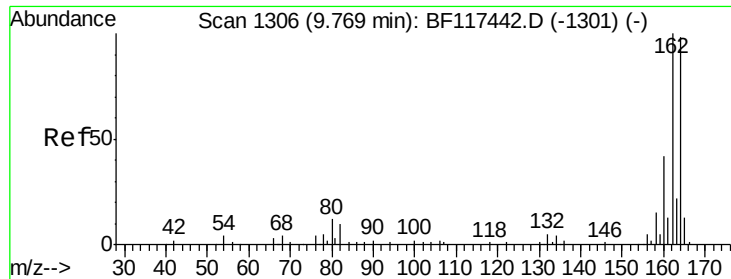
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 159165   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.2 12.4 |
| 54          | 6.1   | 4.5 6.7  |
| 68          | 5.7   | 4.3 6.5  |



#23  
Nitrobenzene-d5  
Concen: 70.426 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 227059    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.6  | 32.2 48.2 |
| 54          | 41.5  | 34.2 51.2 |

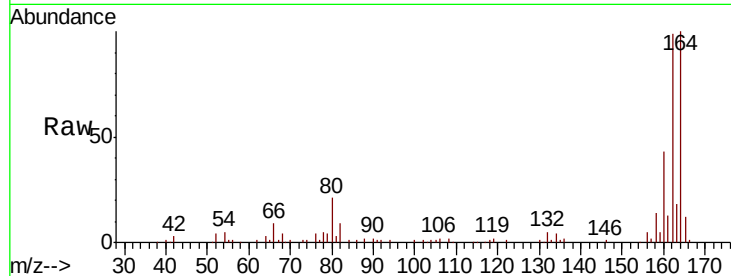




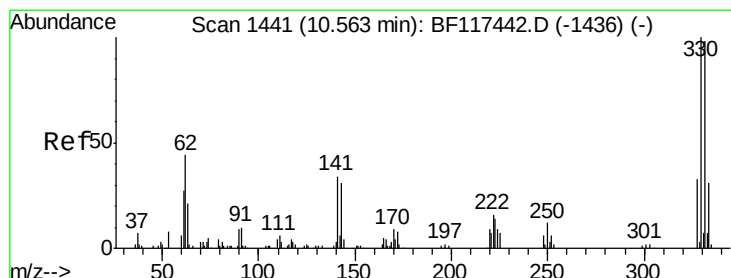
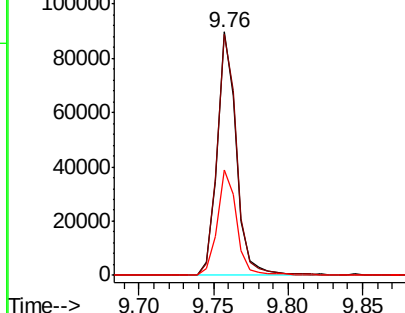
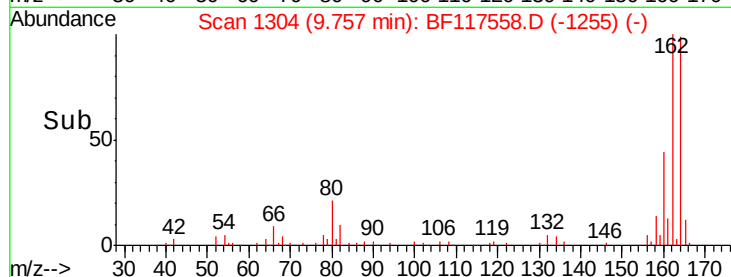
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

Instrument :  
BNA\_F  
ClientSampleId :  
179-18-(0-2.1)

Tot Ion:164 Resp: 80888  
Ion Ratio Lower Upper  
164 100  
162 98.9 81.8 122.6  
160 43.3 34.4 51.6

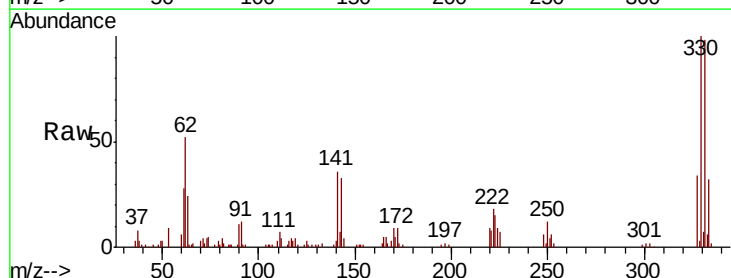


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

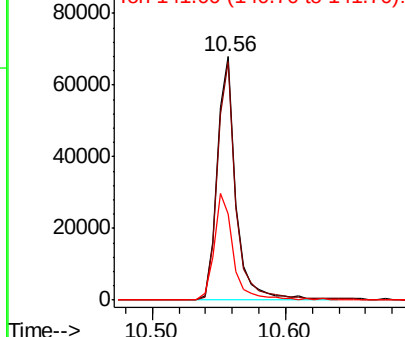
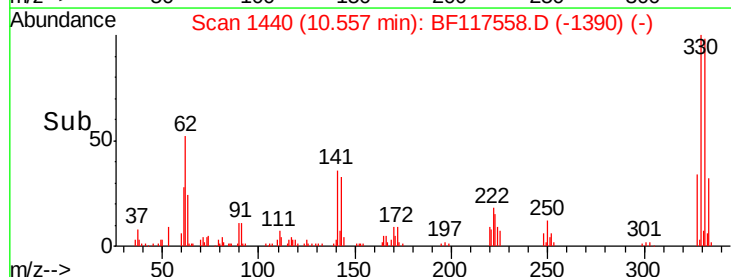


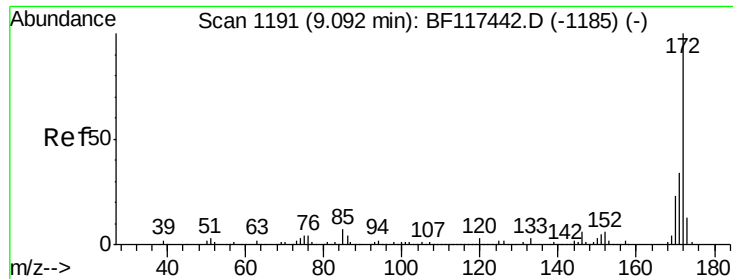
#42  
2,4,6-Tribromophenol  
Concen: 96.205 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

Tgt Ion:330 Resp: 67333  
Ion Ratio Lower Upper  
330 100  
332 97.5 78.5 117.7  
141 44.3 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

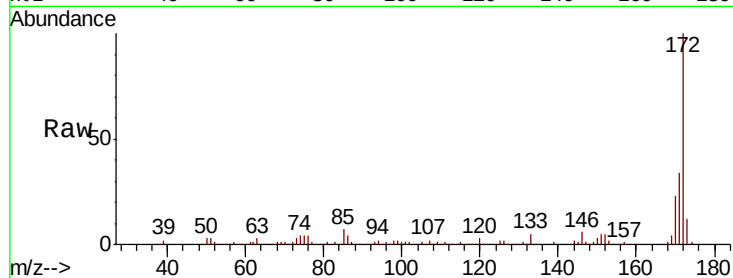




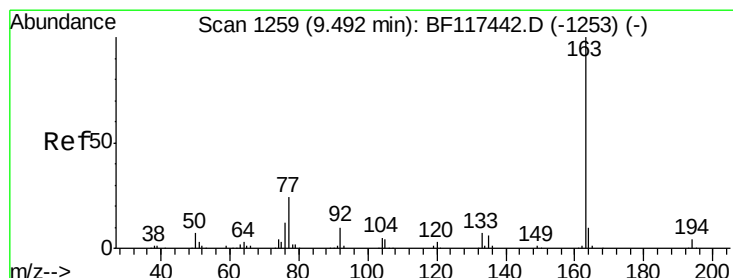
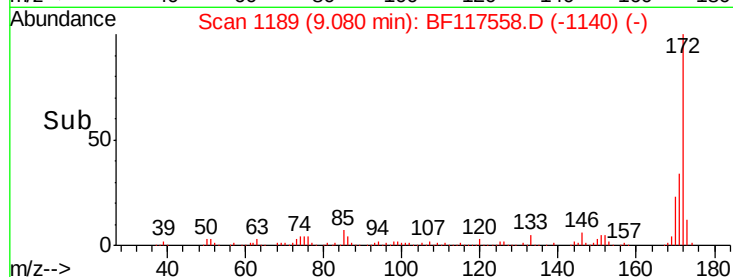
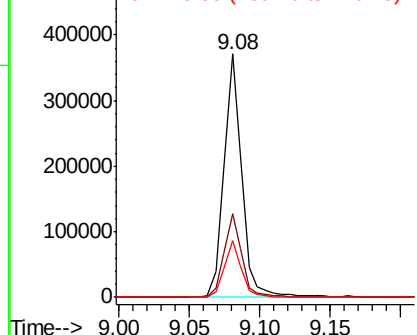
#45  
2-Fluorobiphenyl  
Concen: 56.854 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

Instrument :  
BNA\_F  
ClientSampleId :  
179-18-(0-2.1)

Tot Ion:172 Resp: 326393  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.5 41.3  
170 23.2 18.6 27.8

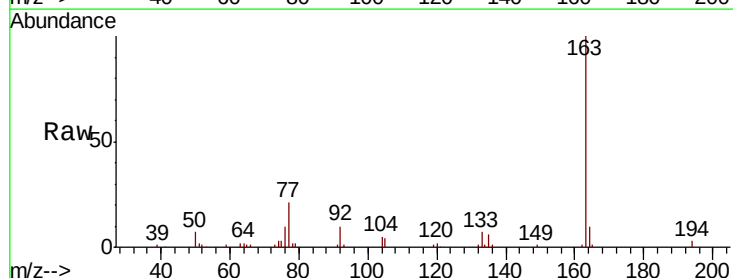


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

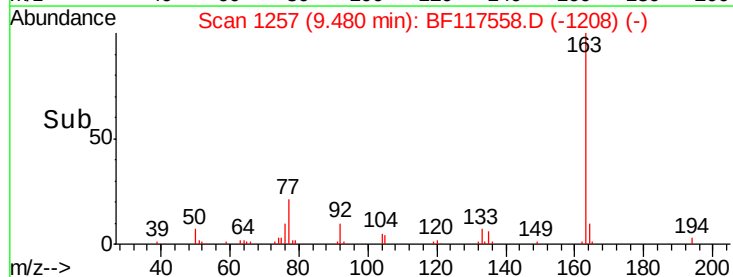
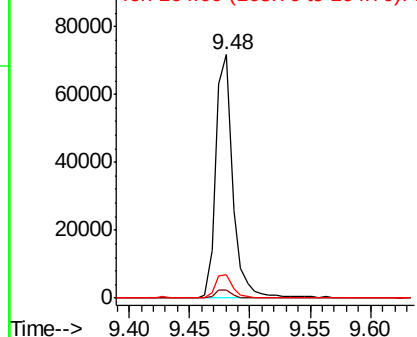


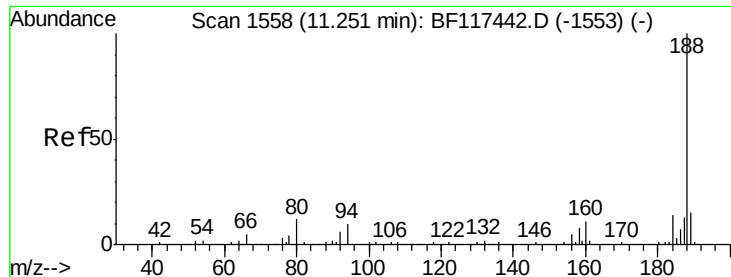
#50  
Dimethylphthalate  
Concen: 12.011 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF117558.D  
Acq: 28 Oct 2019 13:50

Tgt Ion:163 Resp: 69263  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.9 4.3  
164 9.8 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# 1557

Delta R.T. -0.01 min

Lab File: BF117558.D

Acq: 28 Oct 2019 13:50

Instrument :

BNA\_F

ClientSampleId :

179-18-(0-2.1)

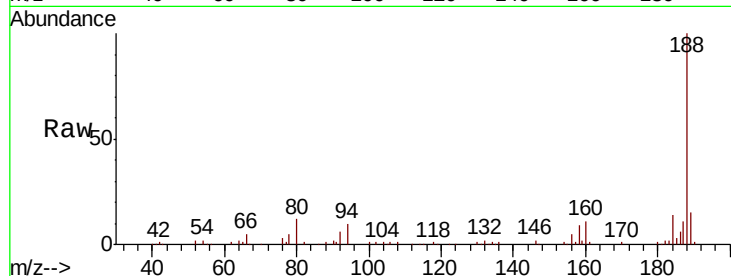
Tot Ion:188 Resp: 126990

Ion Ratio Lower Upper

188 100

94 10.3 8.0 12.0

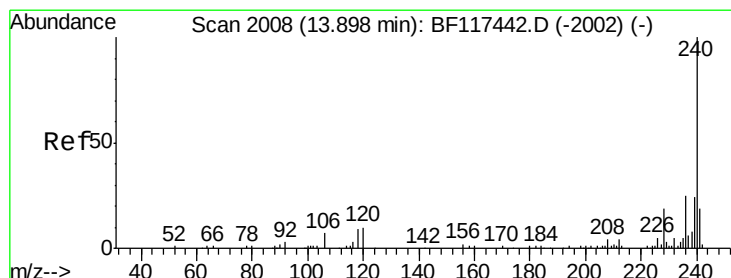
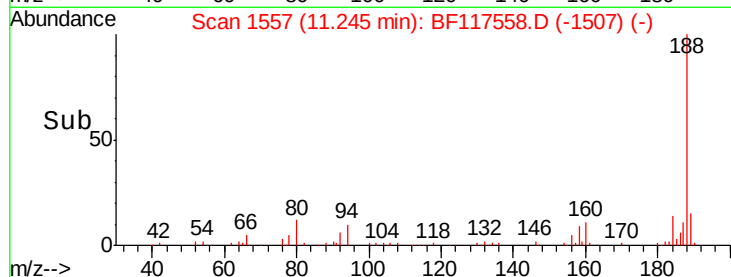
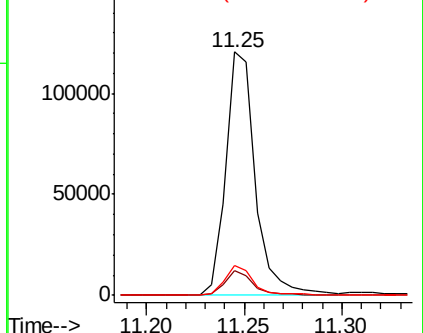
80 12.2 9.5 14.3



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: BF117558.D

Acq: 28 Oct 2019 13:50

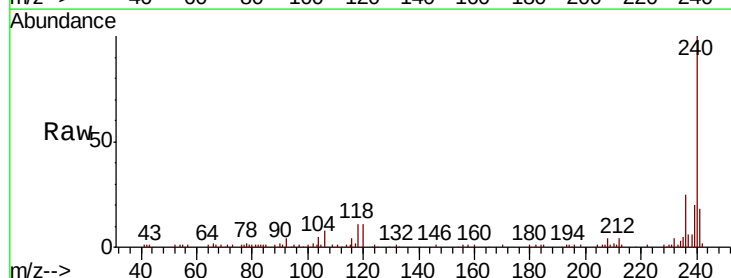
Tgt Ion:240 Resp: 77156

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

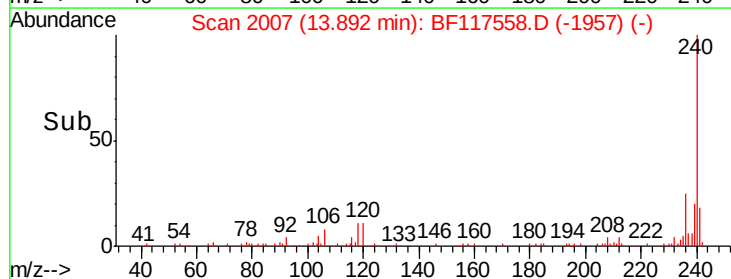
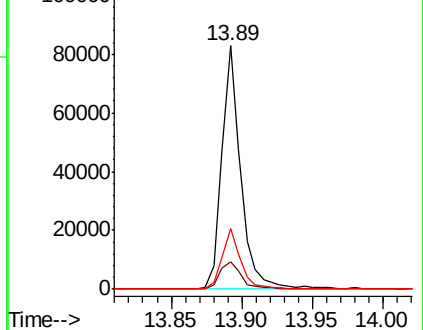
236 24.9 20.0 30.0



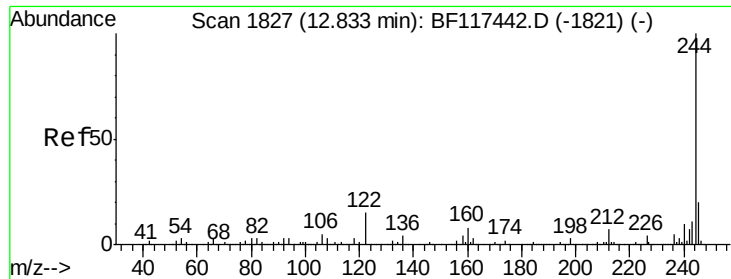
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



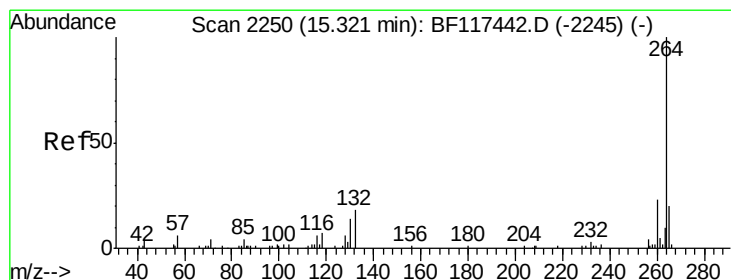
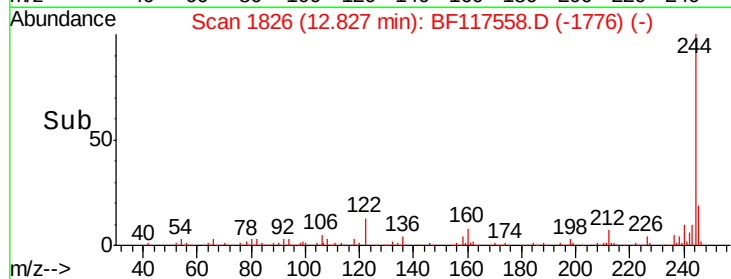
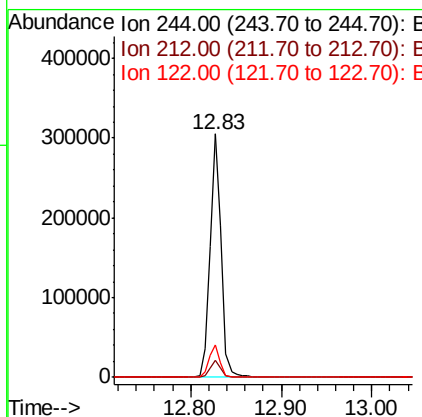
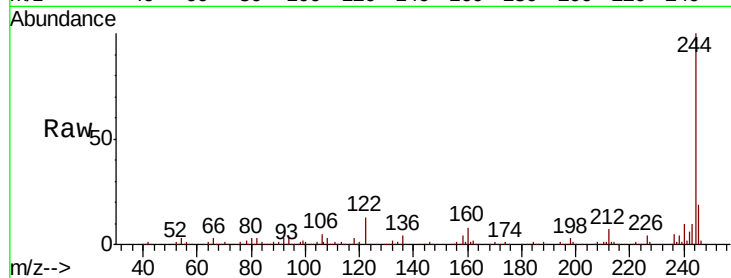




#79  
 Terphenyl-d14  
 Concen: 55.927 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF117558.D  
 Acq: 28 Oct 2019 13:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 179-18-(0-2.1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.6   |
| 122     | 13.4  | 11.8  | 17.8  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. 0.01 min  
 Lab File: BF117558.D  
 Acq: 28 Oct 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.4  | 27.6  |
| 265     | 21.6  | 16.1  | 24.1  |

