

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\  
 Data File : BF117486.D  
 Acq On : 23 Oct 2019 16:45  
 Operator : JU  
 Sample : K5494-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-6FT

Quant Time: Oct 24 08:39:23 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

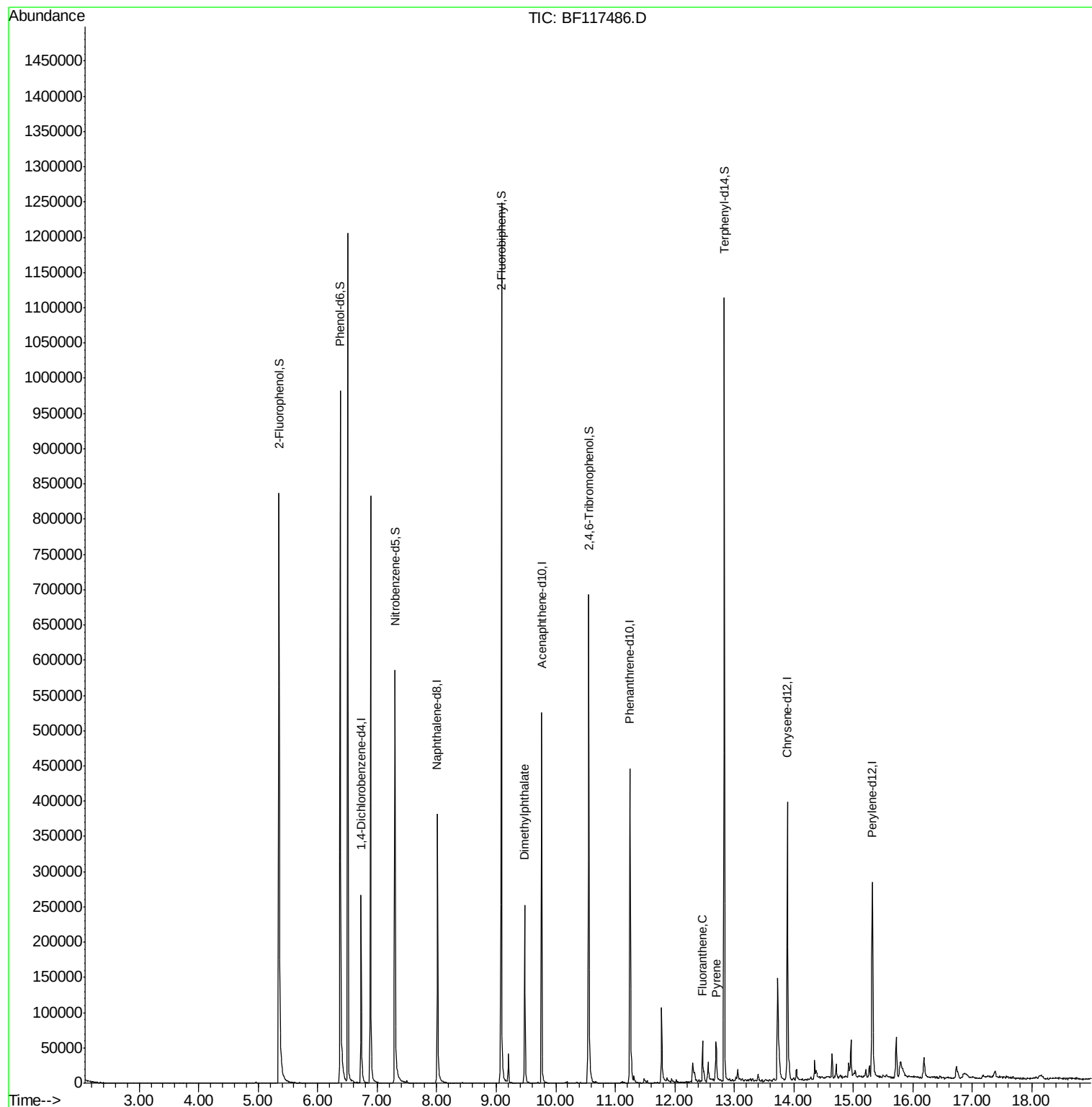
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 47433    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 194743   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 105099   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.25 | 188  | 176773   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.89 | 240  | 136076   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.32 | 264  | 122908   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 270893   | 84.96  | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 377347   | 88.12  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 235128   | 59.61  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 77946    | 85.71  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 375506   | 50.34  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.83 | 244  | 379535   | 45.49  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 9.48  | 163  | 96558    | 12.887 | ng    | 99       |
| 75) Fluoranthene            | 12.46 | 202  | 27542    | 2.680  | ng    | 99       |
| 78) Pyrene                  | 12.69 | 202  | 24028    | 2.056  | ng    | 97       |

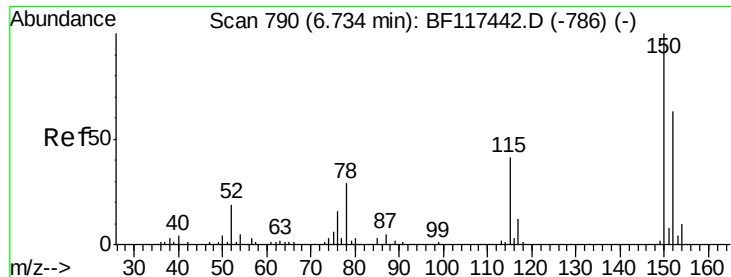
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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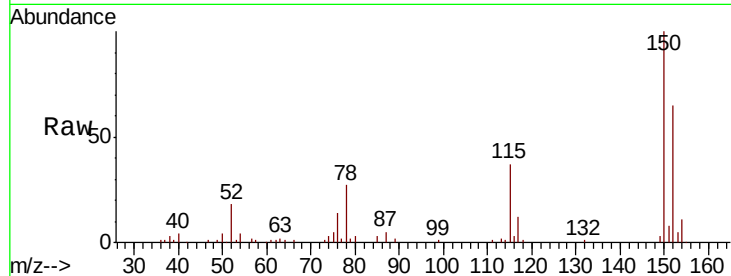


#1

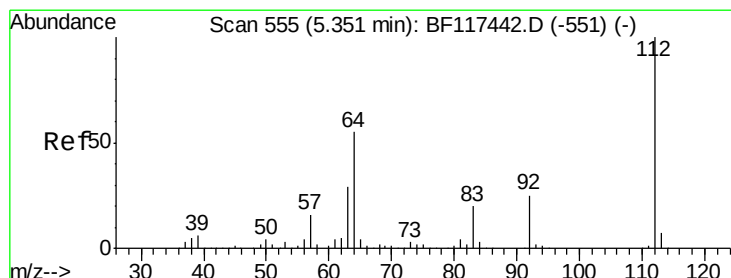
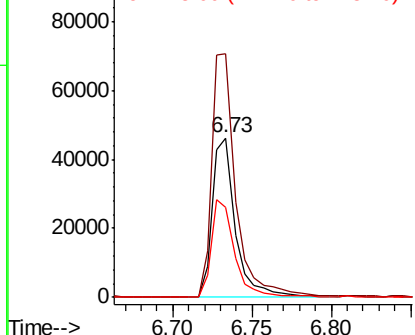
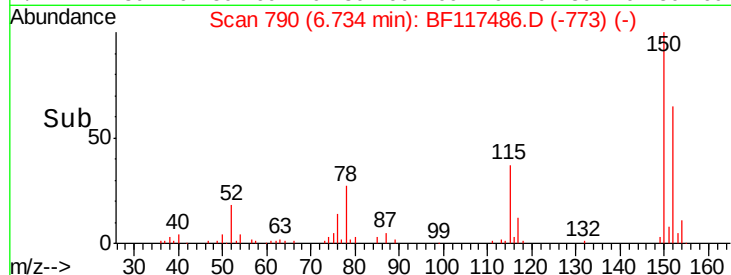
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
TP1-6FT

Tot Ion:152 Resp: 47433  
Ion Ratio Lower Upper  
152 100  
150 152.9 126.8 190.2  
115 56.5 51.6 77.4



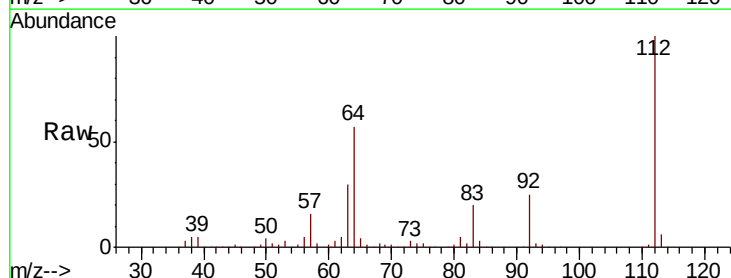
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



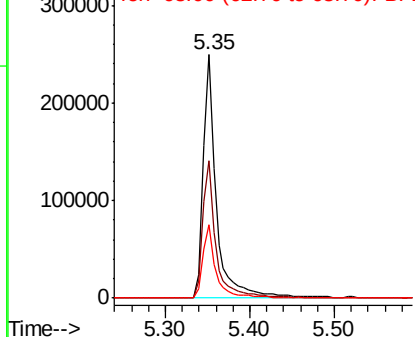
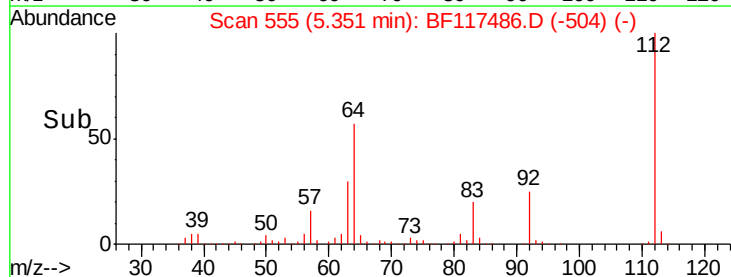
#5

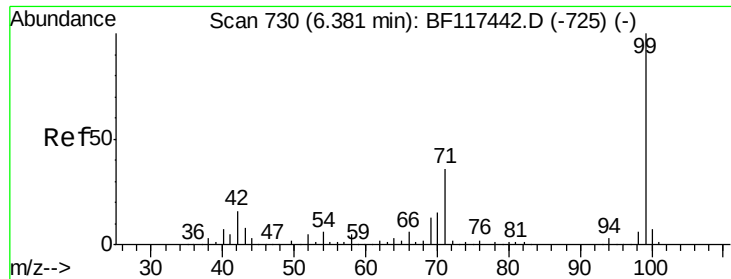
2-Fluorophenol  
Concen: 84.964 ng  
RT: 5.35 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

Tgt Ion:112 Resp: 270893  
Ion Ratio Lower Upper  
112 100  
64 56.6 44.1 66.1  
63 30.3 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: 88.118 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA\_F

ClientSampleID :

TP1-6FT

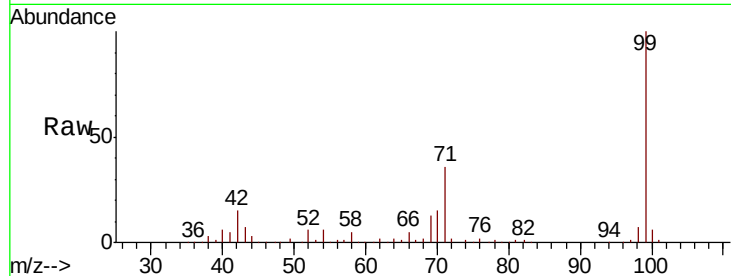
Tot Ion: 99 Resp: 377347

Ion Ratio Lower Upper

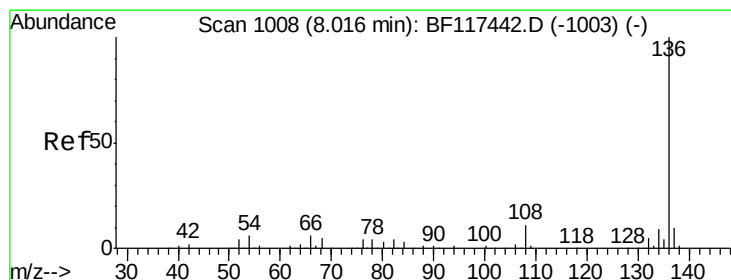
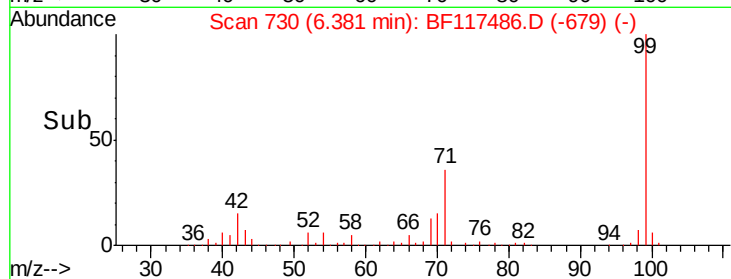
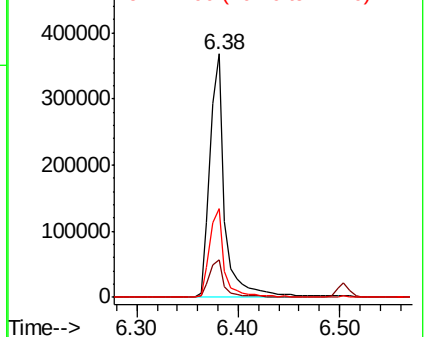
99 100

42 15.3 12.8 19.2

71 36.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Tgt Ion: 136 Resp: 194743

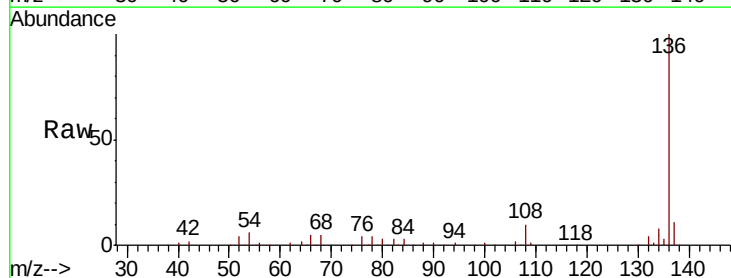
Ion Ratio Lower Upper

136 100

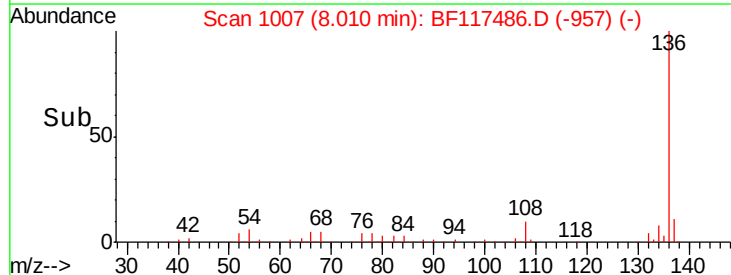
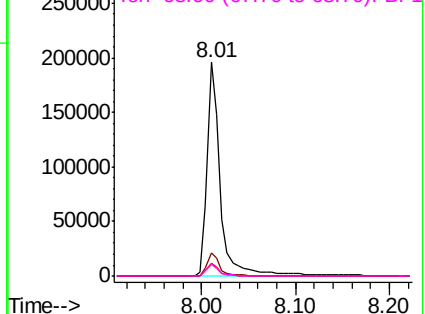
137 11.1 8.2 12.4

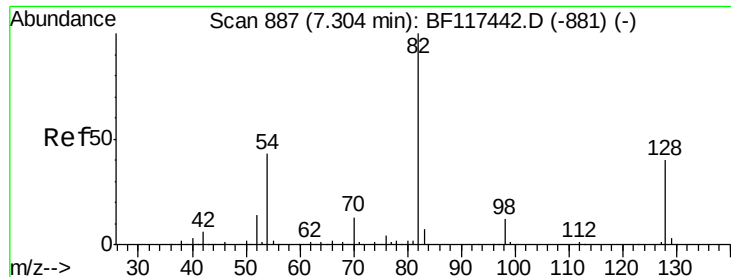
54 5.8 4.5 6.7

68 5.2 4.3 6.5



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

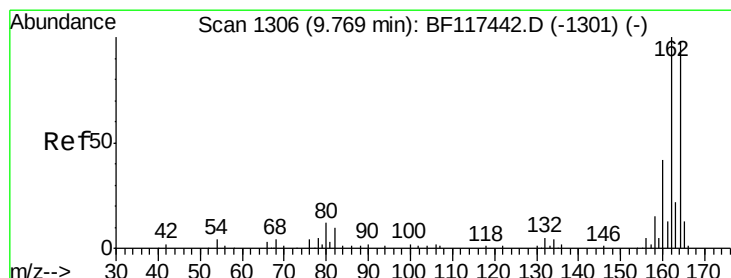
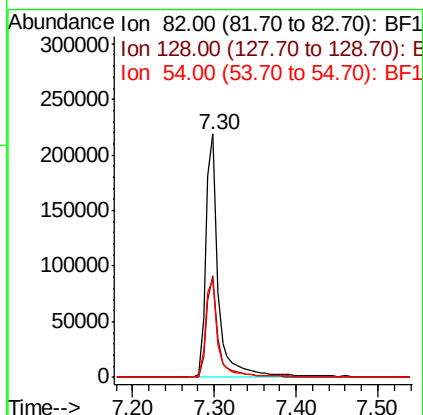
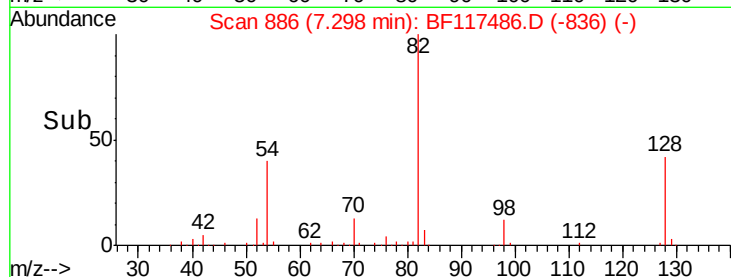
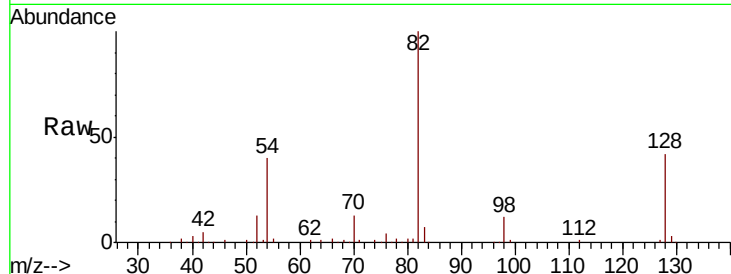




#23  
Nitrobenzene-d5  
Concen: 59.606 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

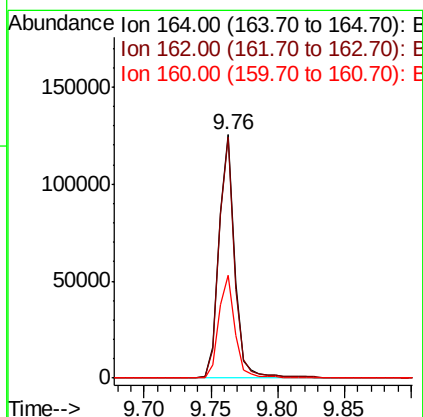
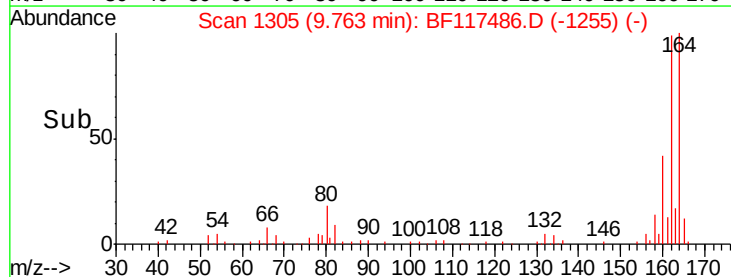
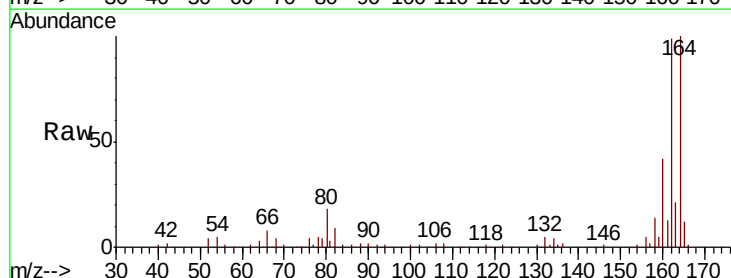
Instrument :  
BNA\_F  
ClientSampled :  
TP1-6FT

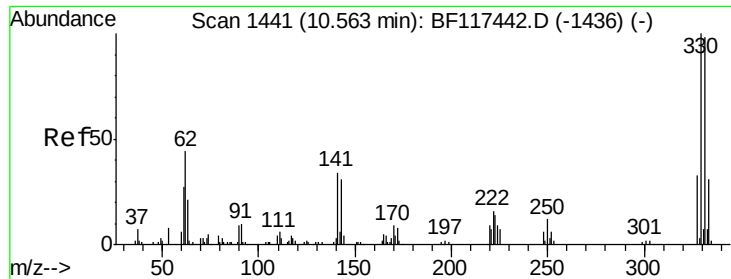
Tot Ion: 82 Resp: 235128  
Ion Ratio Lower Upper  
82 100  
128 41.9 32.2 48.2  
54 39.9 34.2 51.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

Tgt Ion: 164 Resp: 105099  
Ion Ratio Lower Upper  
164 100  
162 98.8 81.8 122.6  
160 42.1 34.4 51.6

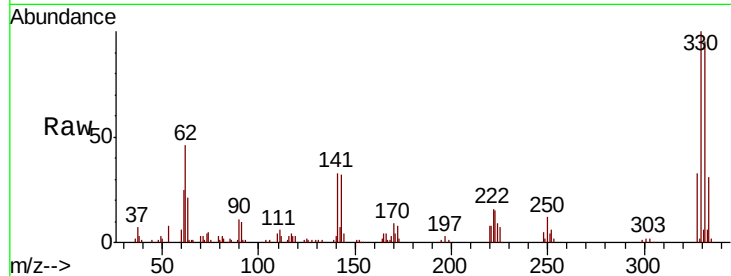




#42  
 2,4,6-Tribromophenol  
 Concen: 85.714 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: BF117486.D  
 Acq: 23 Oct 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleID :  
 TP1-6FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 78.5  | 117.7 |
| 141     | 44.8  | 37.0  | 55.6  |

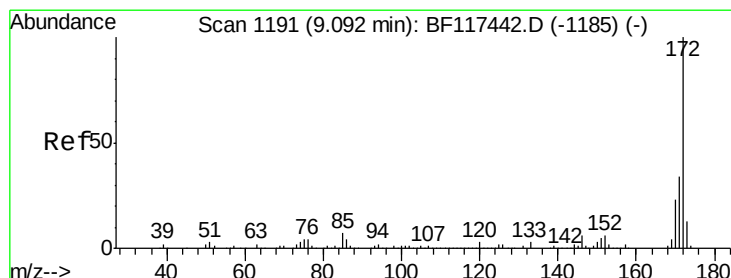
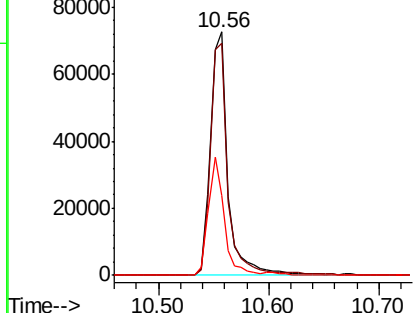
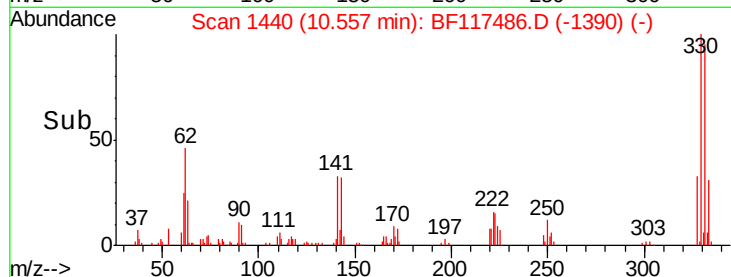


Abundance

Ion 329.80 (329.50 to 330.50): E

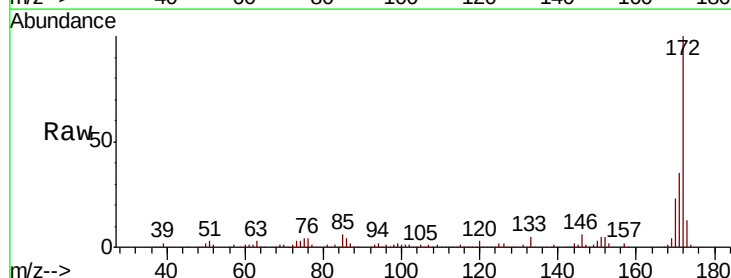
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 50.341 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF117486.D  
 Acq: 23 Oct 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 27.5  | 41.3  |
| 170     | 23.3  | 18.6  | 27.8  |

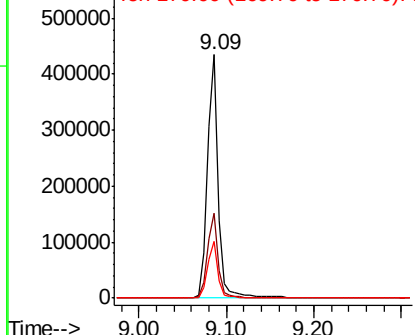
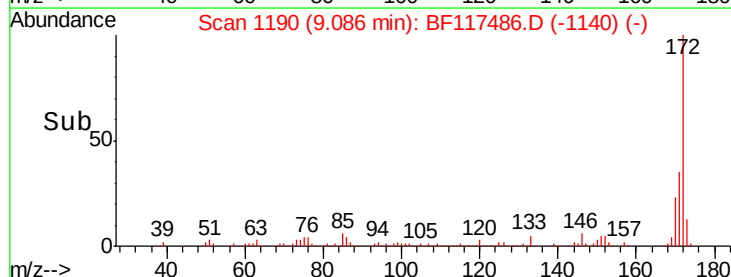


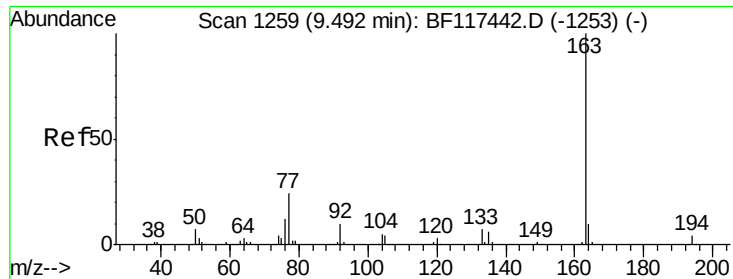
Abundance

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: 12.887 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

TP1-6FT

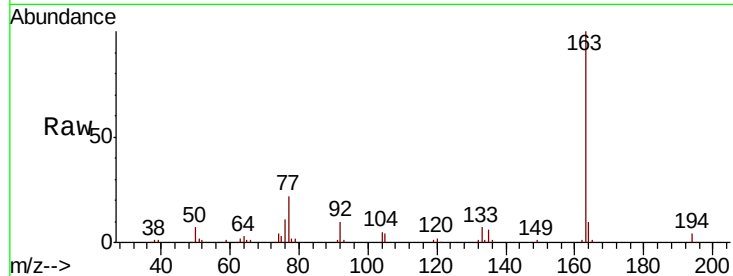
Tot Ion:163 Resp: 96558

Ion Ratio Lower Upper

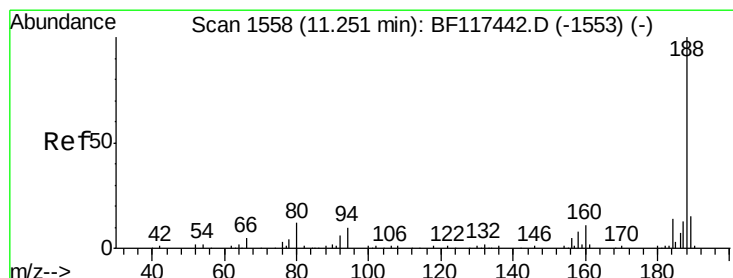
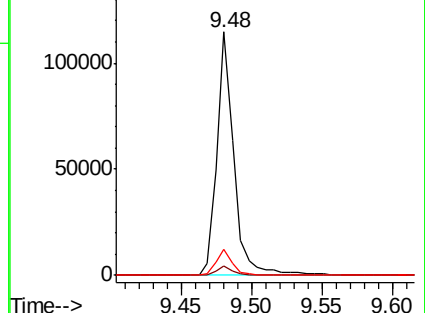
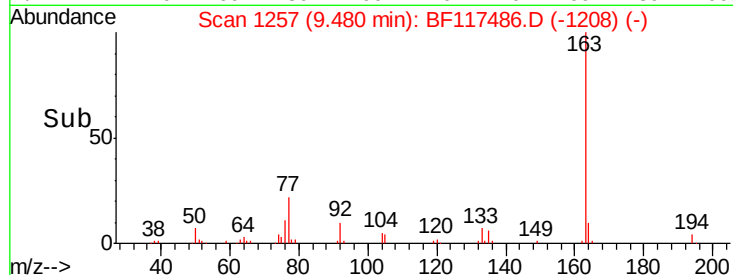
163 100

194 3.6 2.9 4.3

164 10.5 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: BF117486.D

Acq: 23 Oct 2019 16:45

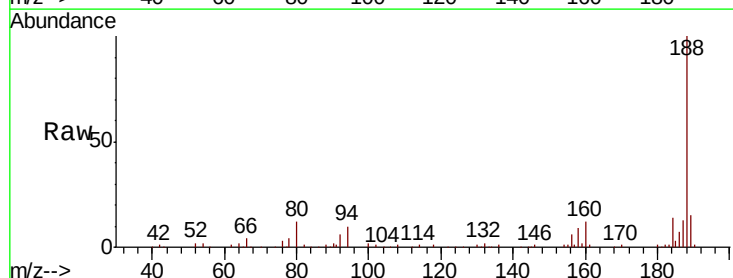
Tgt Ion:188 Resp: 176773

Ion Ratio Lower Upper

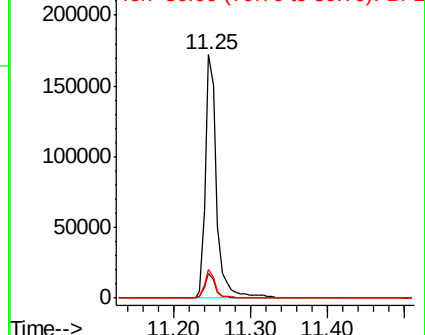
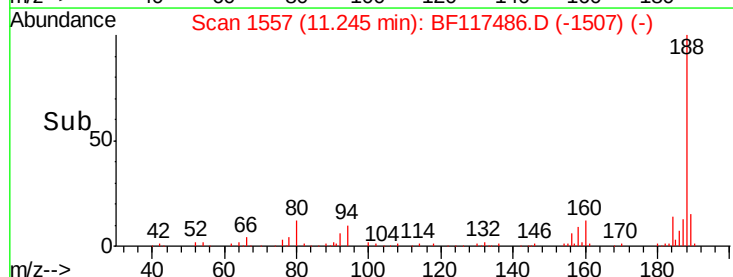
188 100

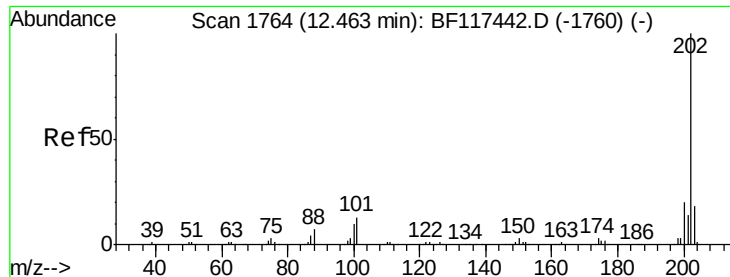
94 10.4 8.0 12.0

80 12.0 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

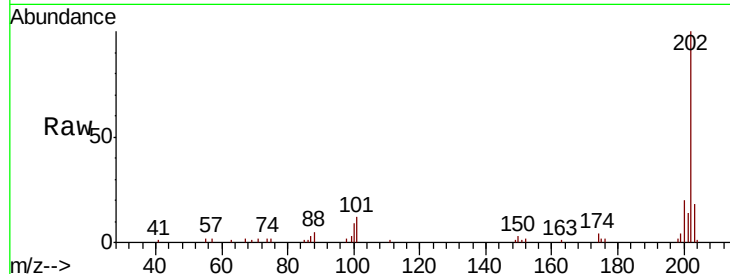




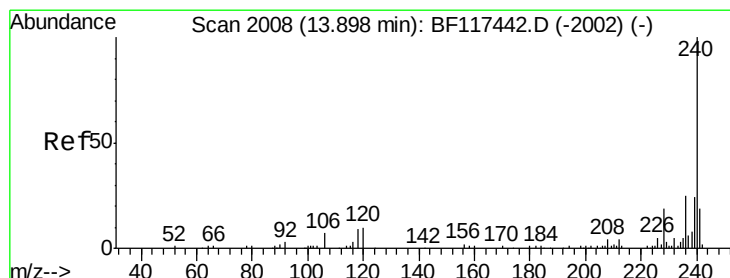
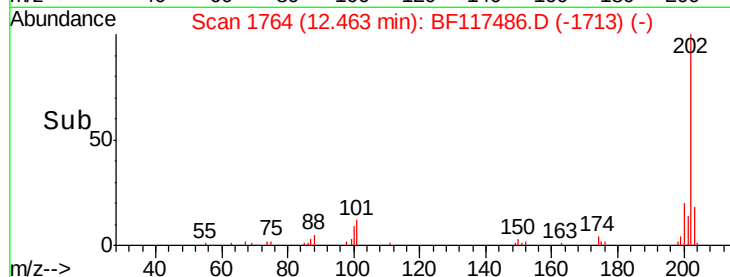
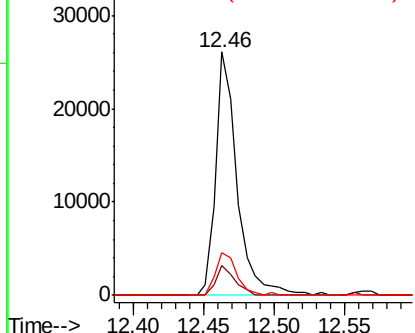
#75  
 Fluoranthene  
 Concen: 2.680 ng  
 RT: 12.46 min Scan# 1764  
 Delta R.T. -0.00 min  
 Lab File: BF117486.D  
 Acq: 23 Oct 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-6FT

Tot Ion:202 Resp: 27542  
 Ion Ratio Lower Upper  
 202 100  
 101 12.1 0.0 32.7  
 203 17.8 0.0 37.6

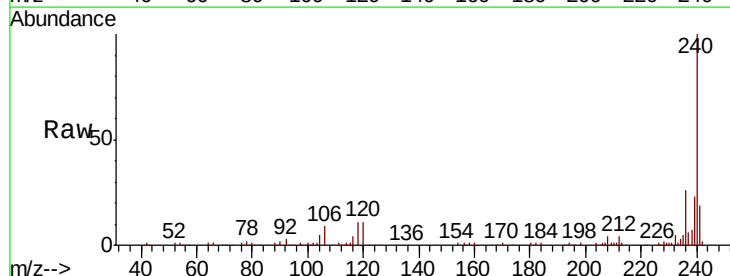


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

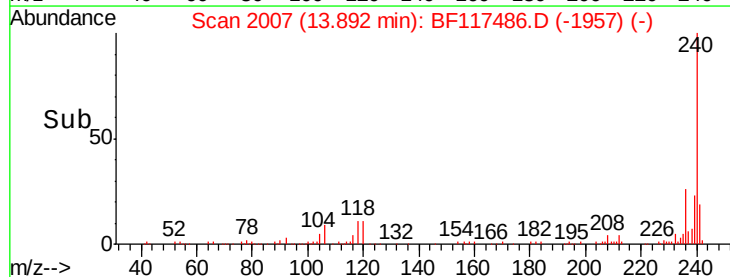
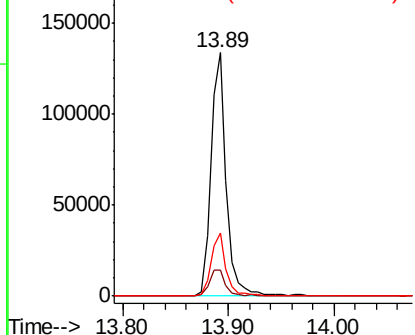


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.89 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF117486.D  
 Acq: 23 Oct 2019 16:45

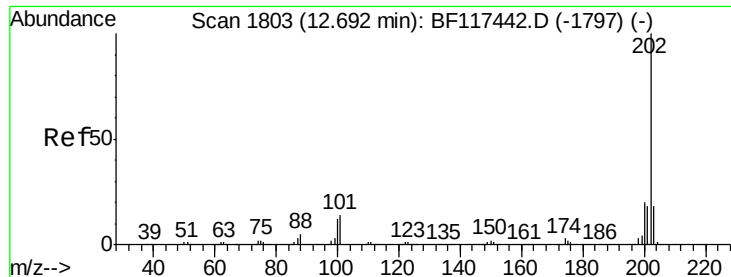
Tgt Ion:240 Resp: 136076  
 Ion Ratio Lower Upper  
 240 100  
 120 10.7 8.4 12.6  
 236 26.0 20.0 30.0



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



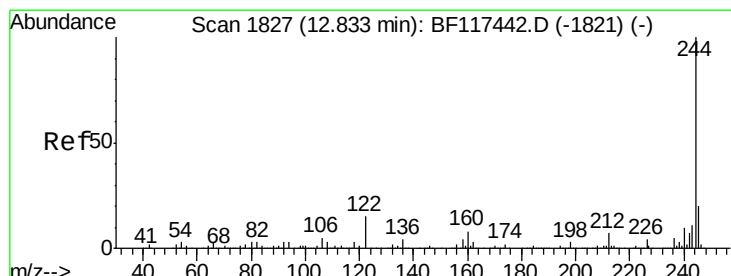
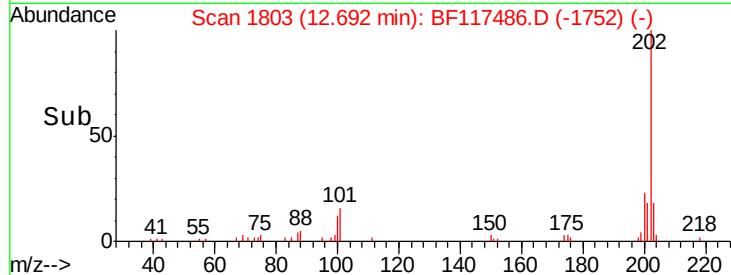
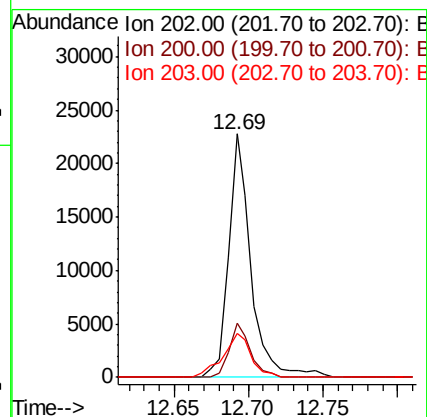
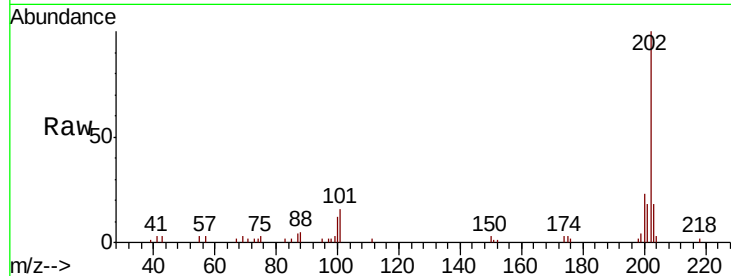




#78  
Pvrene  
Concen: 2.056 ng  
RT: 12.69 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

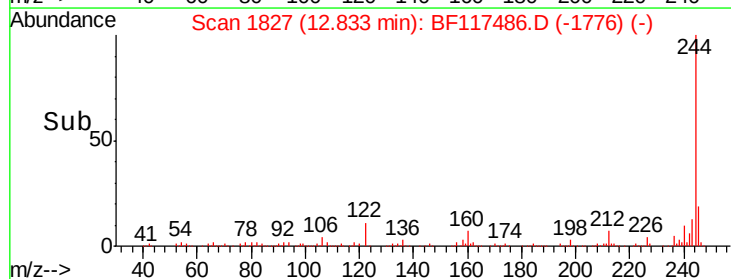
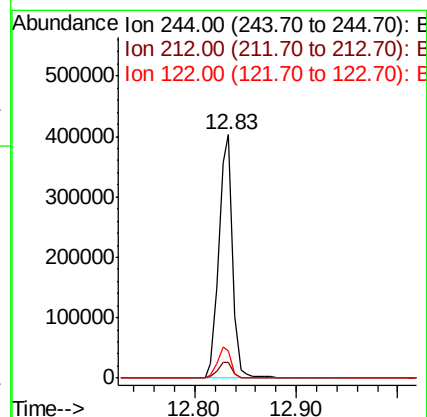
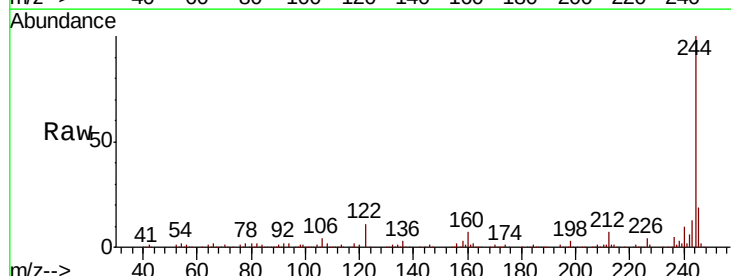
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-6FT

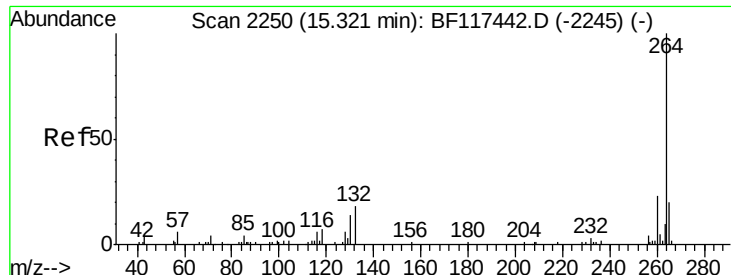
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.5  | 16.2  | 24.2  |
| 203     | 17.9  | 14.0  | 21.0  |



#79  
Terphenyl-d14  
Concen: 45.494 ng  
RT: 12.83 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.8   | 8.6   |
| 122     | 11.0  | 11.8  | 17.8# |





#87  
Pervlone-d12  
Concen: 20.000 ng  
RT: 15.32 min Scan# 2250  
Delta R.T. -0.00 min  
Lab File: BF117486.D  
Acq: 23 Oct 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
TP1-6FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 18.4  | 27.6  |
| 265     | 21.7  | 16.1  | 24.1  |

