

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\  
 Data File : BF118384.D  
 Acq On : 30 Dec 2019 16:45  
 Operator : JU  
 Sample : K6456-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04

Quant Time: Dec 31 01:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 15:58:52 2019  
 Response via : Initial Calibration

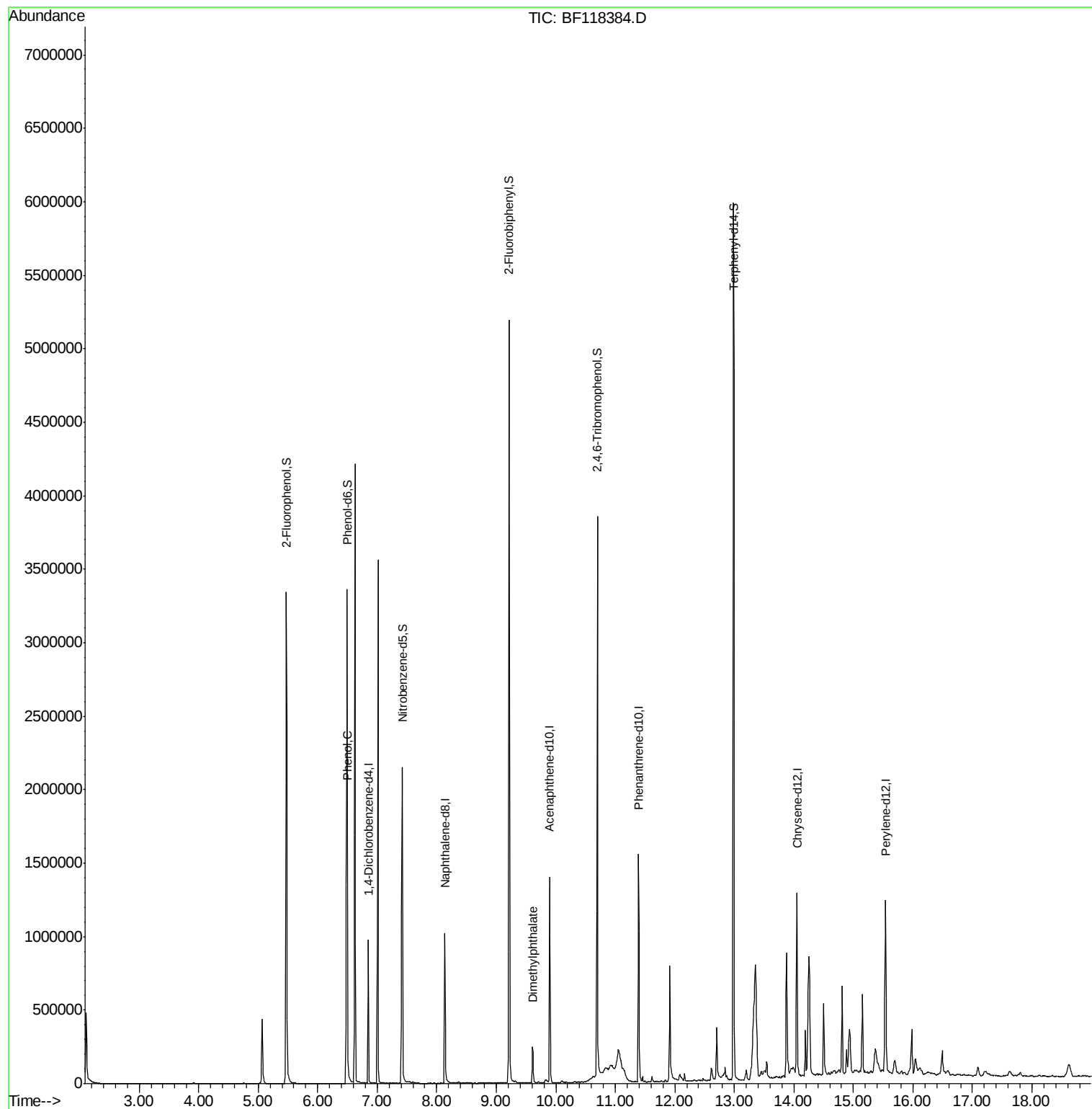
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 136398   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 536559   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.90  | 164  | 292501   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.39 | 188  | 561004   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.05 | 240  | 421608   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.54 | 264  | 389205   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1033883  | 129.39 | ng    | 0.01     |
| 7) Phenol-d6                | 6.49  | 99   | 1309822  | 132.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 797337   | 84.99  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.70 | 330  | 483413   | 133.83 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 1681523  | 87.75  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.99 | 244  | 2190809  | 86.21  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.50  | 94   | 23294    | 2.091  | ng    | 85       |
| 50) Dimethylphthalate       | 9.61  | 163  | 113123   | 5.152  | ng    | 98       |

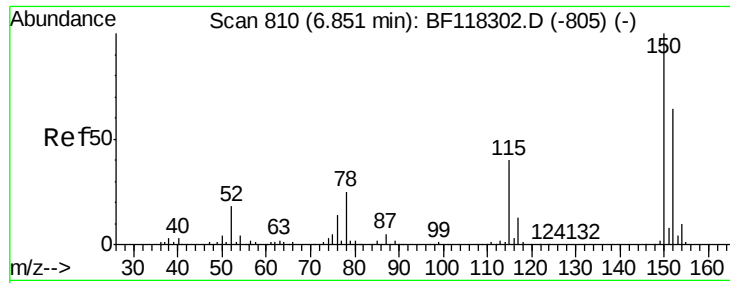
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Quant Time: Dec 31 01:16:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 24 15:58:52 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

SB-04

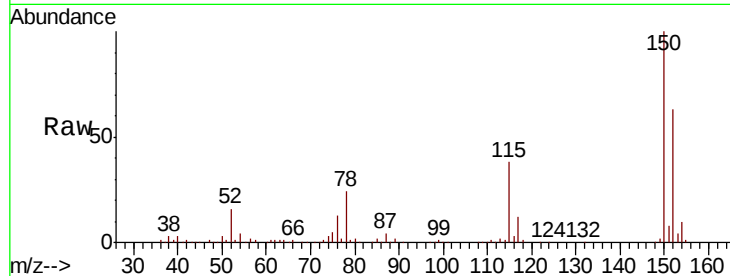
Tot Ion:152 Resp: 136398

Ion Ratio Lower Upper

152 100

150 158.6 125.4 188.2

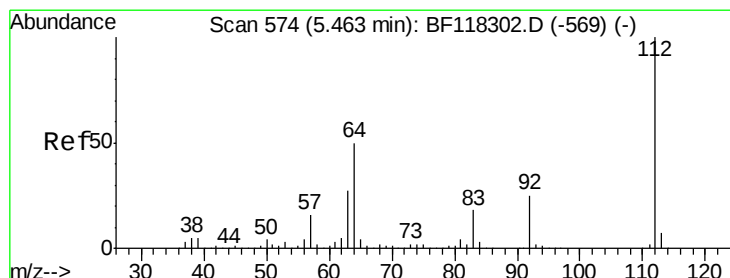
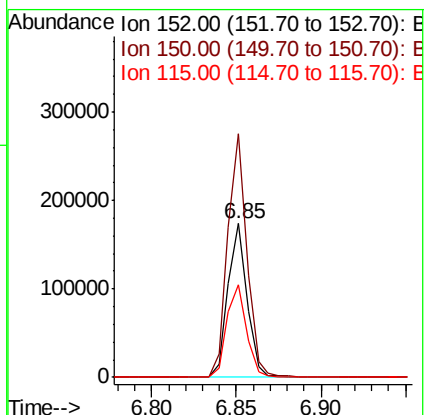
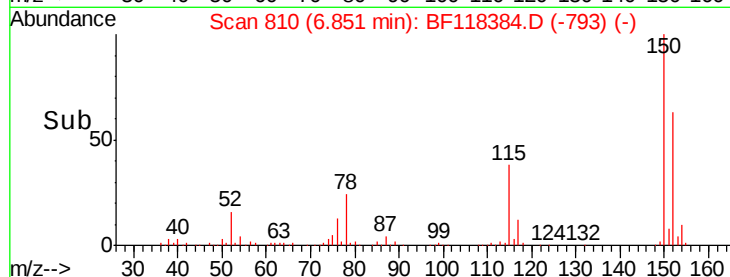
115 60.7 50.2 75.4



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: 129.388 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

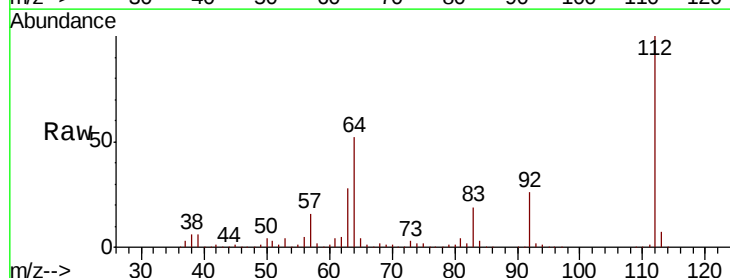
Tgt Ion:112 Resp: 1033883

Ion Ratio Lower Upper

112 100

64 52.3 39.7 59.5

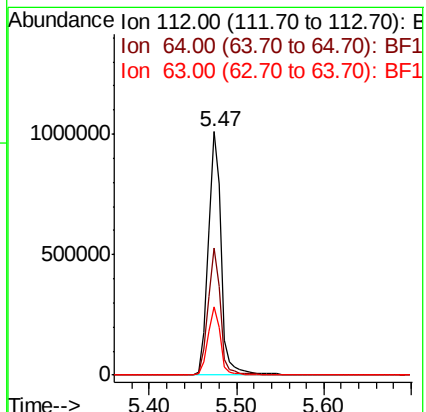
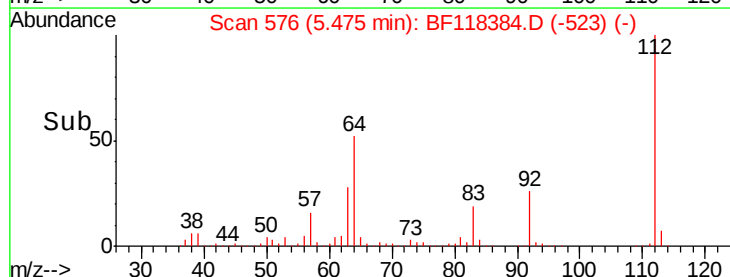
63 28.1 21.7 32.5

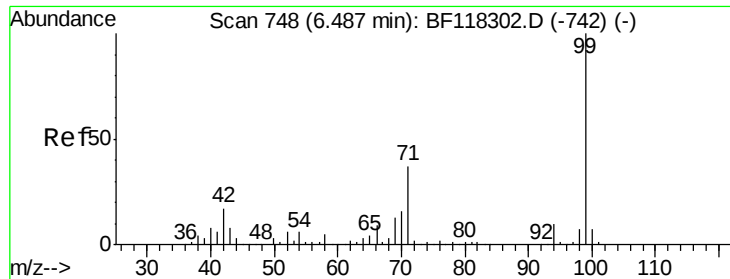


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 132.138 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

SB-04

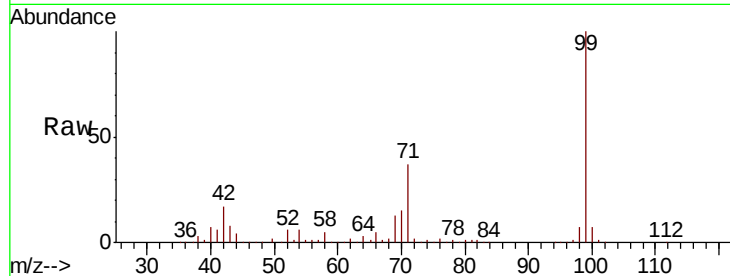
Tot Ion: 99 Resp: 1309822

Ion Ratio Lower Upper

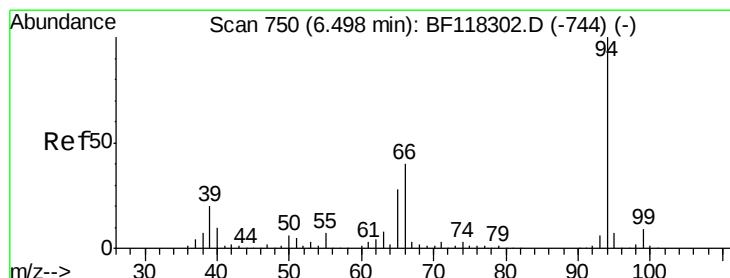
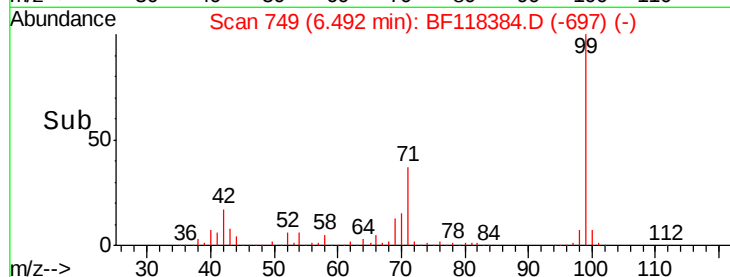
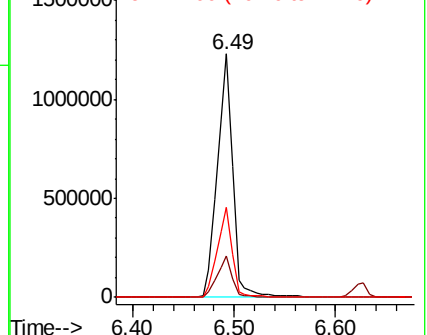
99 100

42 16.8 13.5 20.3

71 37.1 29.4 44.2



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: 2.091 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

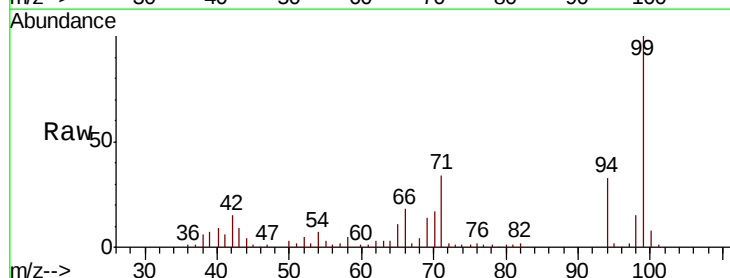
Tgt Ion: 94 Resp: 23294

Ion Ratio Lower Upper

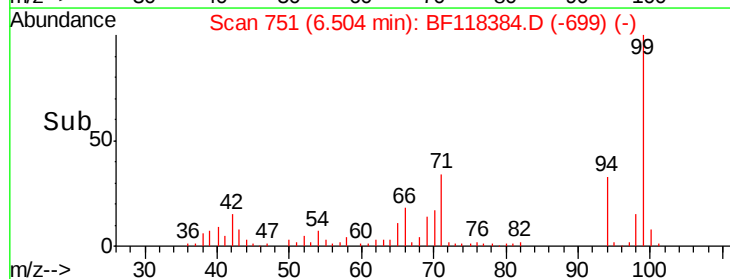
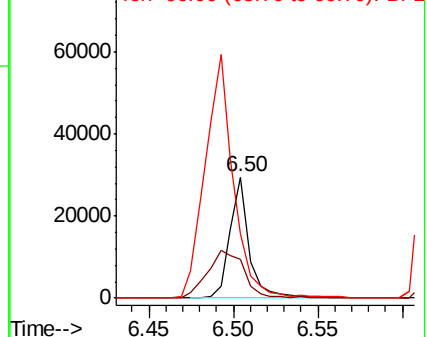
94 100

65 32.3 7.8 47.8

66 52.6 20.4 60.4



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

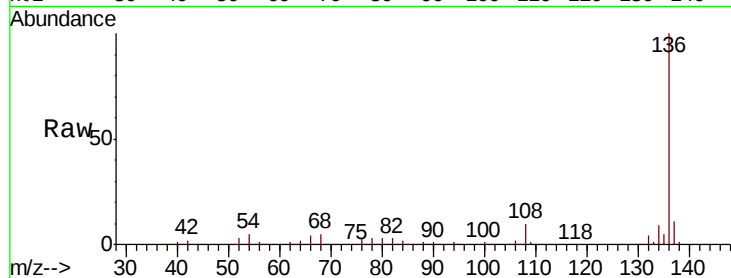




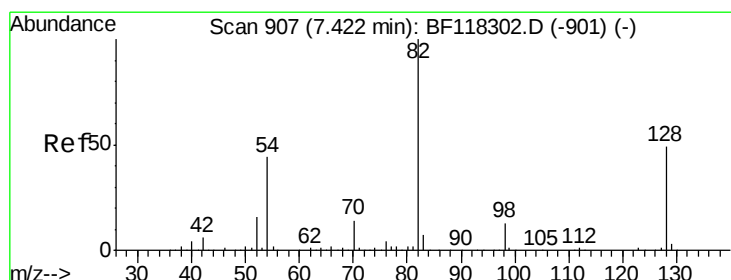
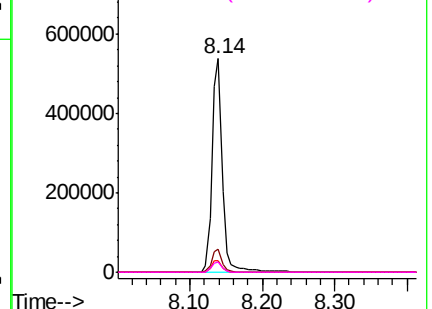
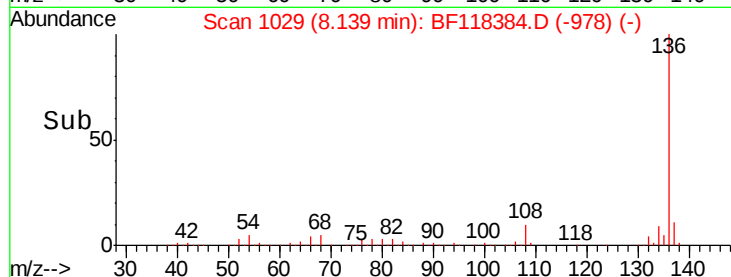
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 536559      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.6  | 8.9 13.3    |
| 54          | 5.2   | 4.2 6.4     |
| 68          | 4.6   | 3.5 5.3     |

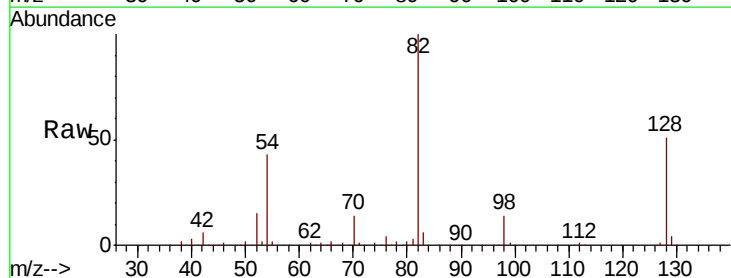


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

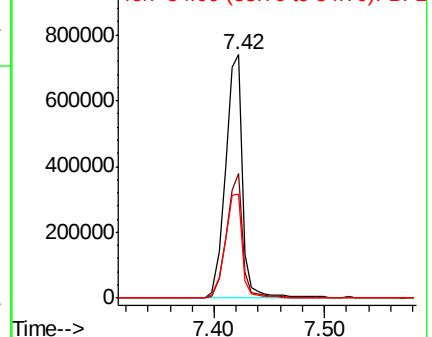
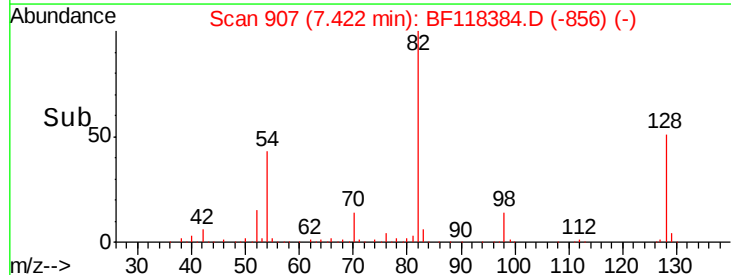


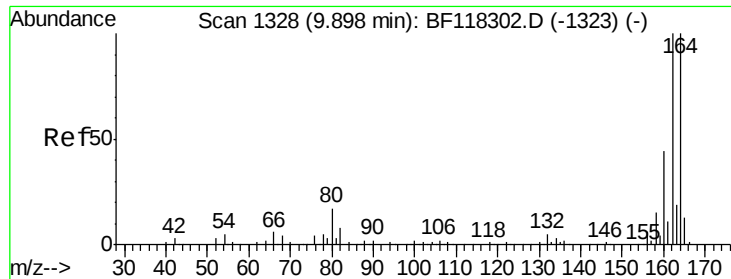
#23  
Nitrobenzene-d5  
Concen: 84.993 ng  
RT: 7.42 min Scan# 907  
Delta R.T. 0.00 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 797337      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 51.1  | 39.6 59.4   |
| 54          | 42.5  | 34.9 52.3   |



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

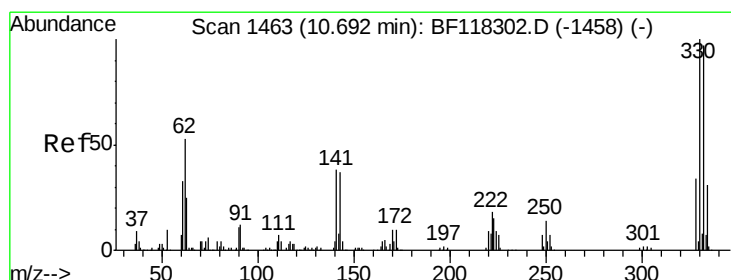
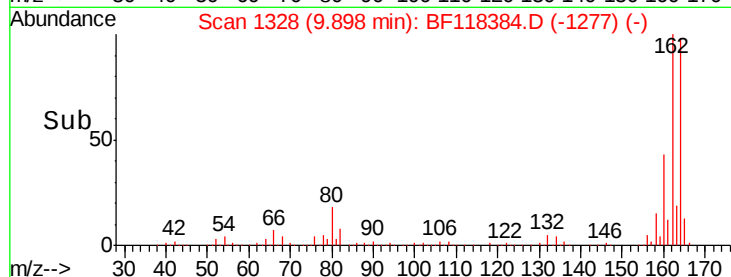
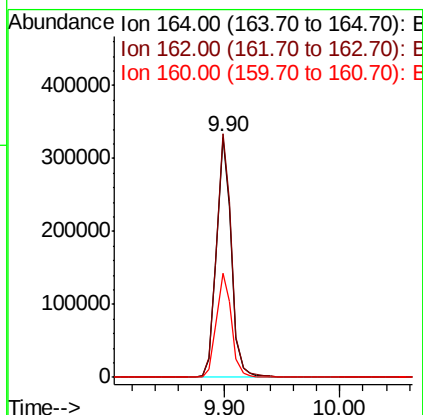
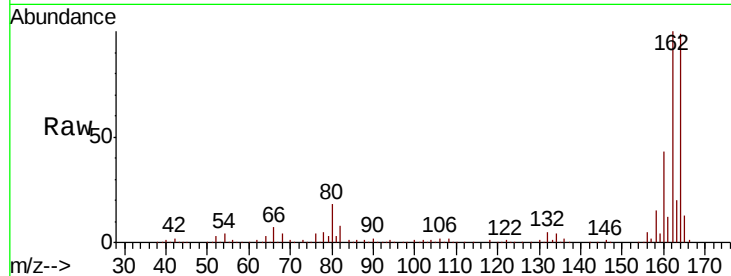




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. 0.00 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

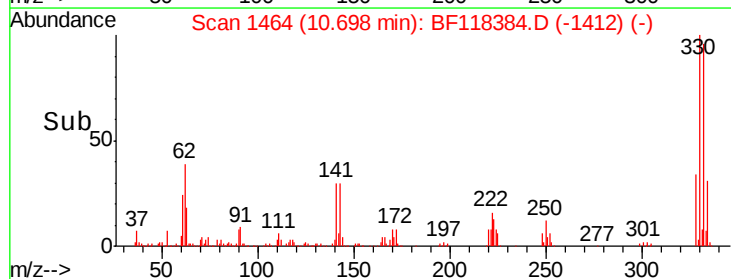
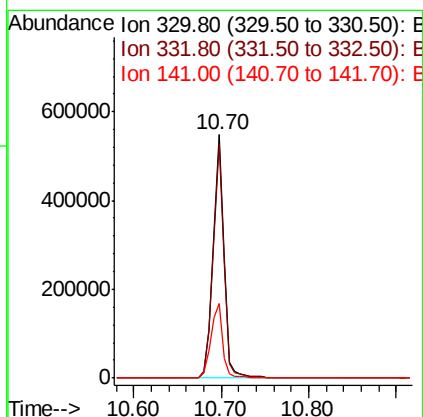
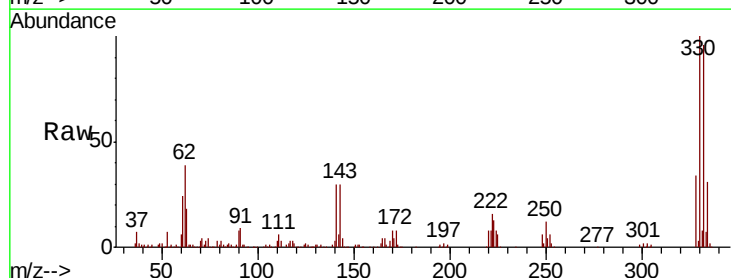
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04

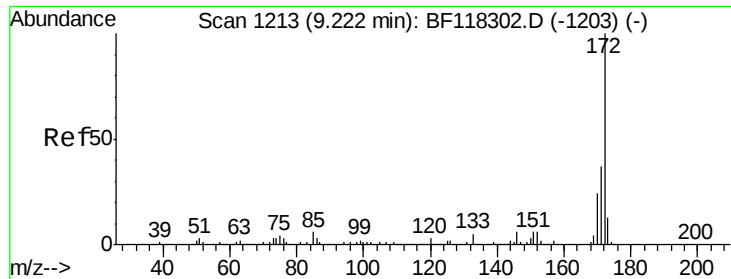
Tot Ion:164 Resp: 292501  
Ion Ratio Lower Upper  
164 100  
162 101.5 80.0 120.0  
160 43.2 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 133.829 ng  
RT: 10.70 min Scan# 1464  
Delta R.T. 0.01 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

Tgt Ion:330 Resp: 483413  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.6 114.8  
141 32.4 26.0 39.0

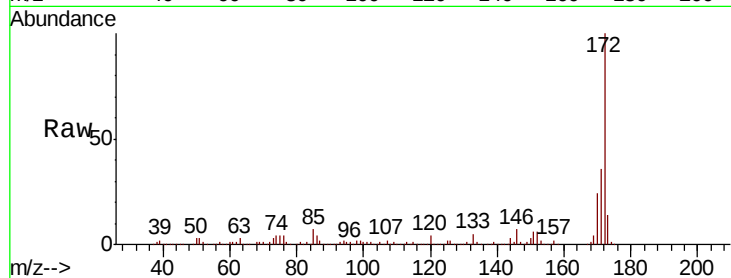




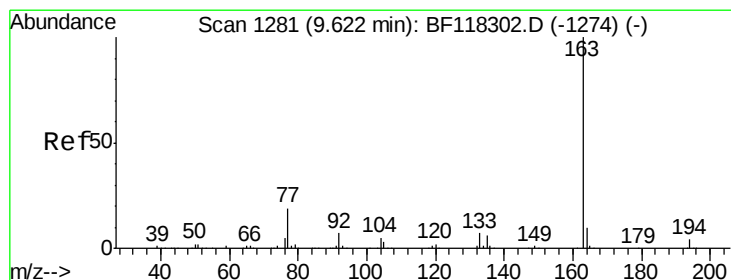
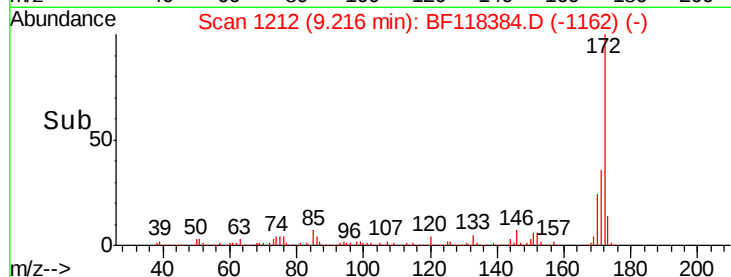
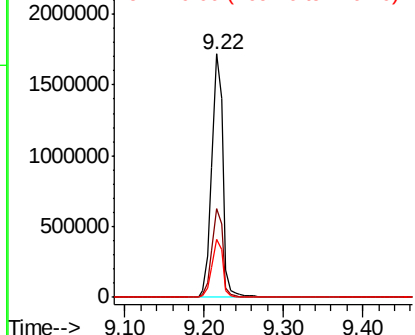
#45  
2-Fluorobiphenyl  
Concen: 87.753 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.01 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04

Tot Ion:172 Resp: 1681523  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.3 43.9  
170 23.8 19.2 28.8

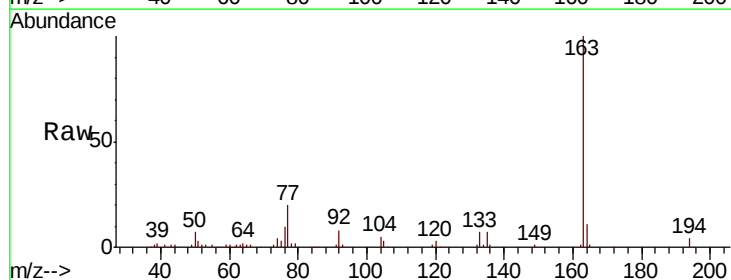


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

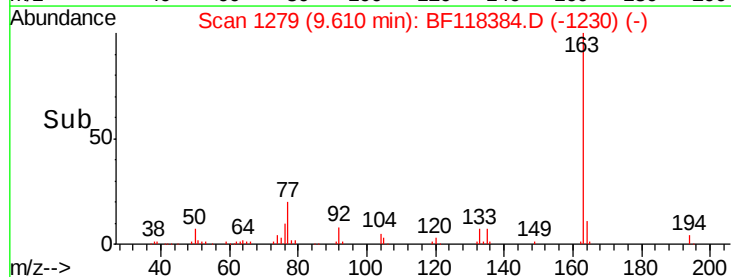
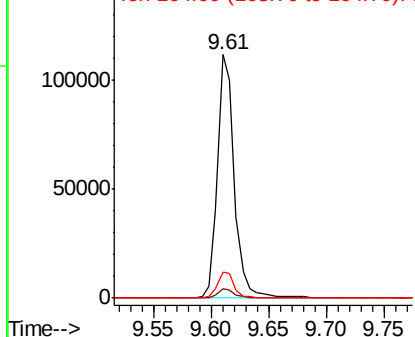


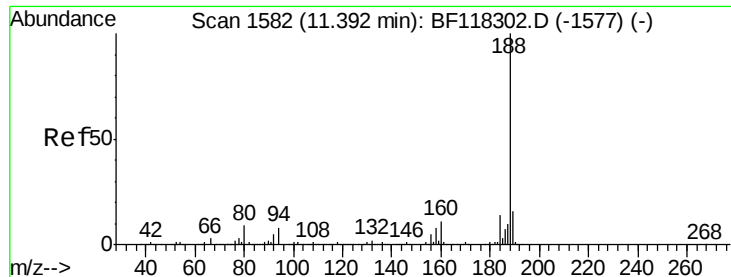
#50  
Dimethylphthalate  
Concen: 5.152 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

Tgt Ion:163 Resp: 113123  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 10.6 7.9 11.9



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

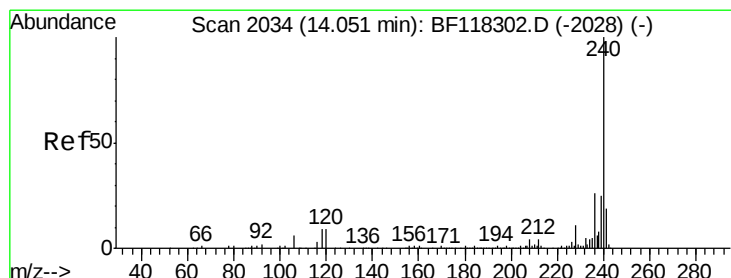
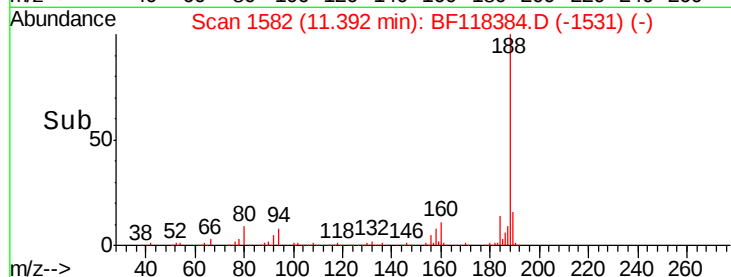
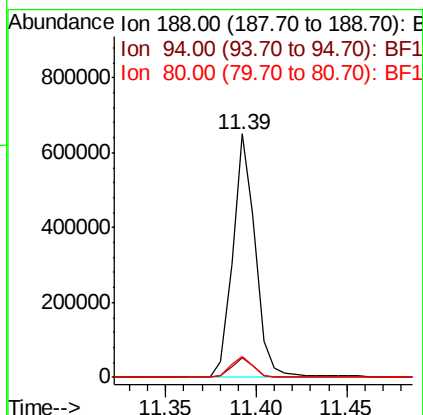
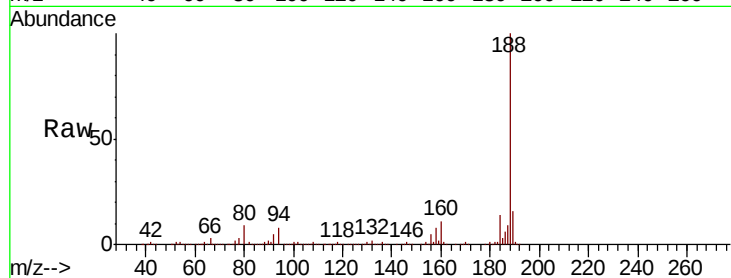




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

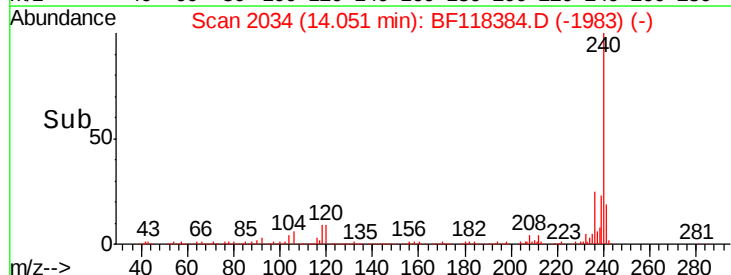
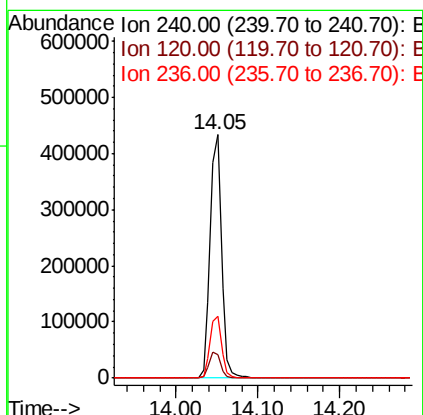
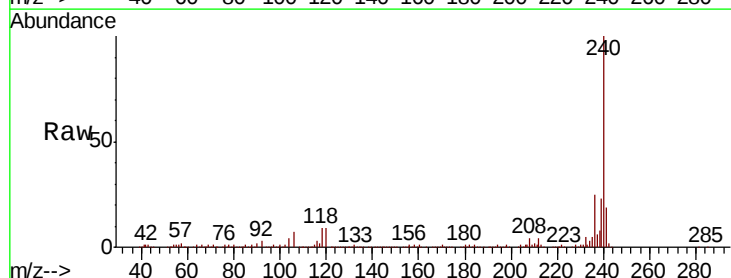
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04

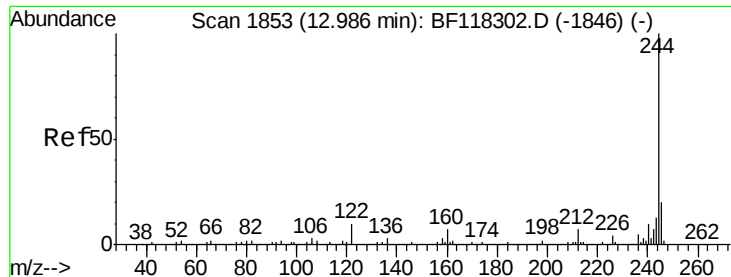
Tot Ion:188 Resp: 561004  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.7 10.1  
80 8.8 7.2 10.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: BF118384.D  
Acq: 30 Dec 2019 16:45

Tgt Ion:240 Resp: 421608  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.1 10.7  
236 25.2 21.0 31.6





#79

Terphenyl-d14

Concen: 86.208 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

Instrument :

BNA\_F

ClientSampled :

SB-04

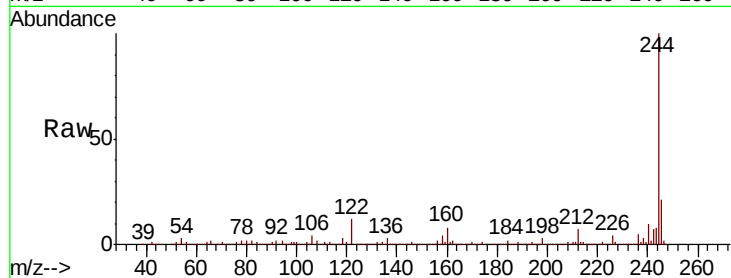
Tot Ion:244 Resp: 2190809

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

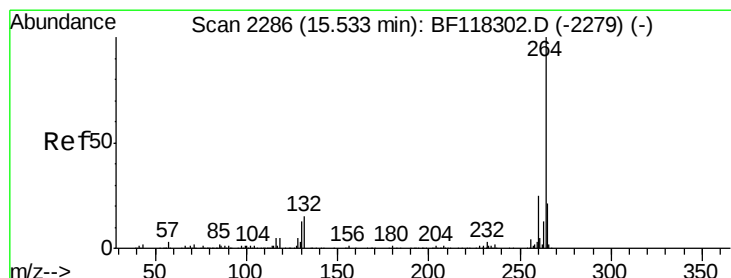
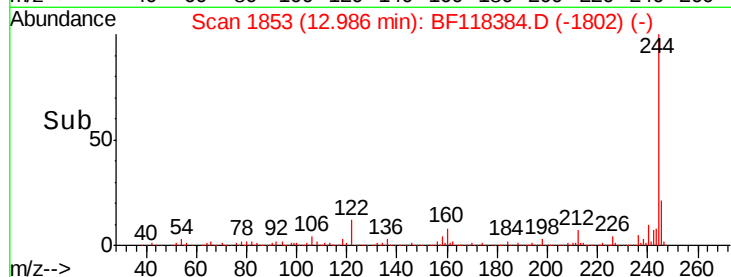
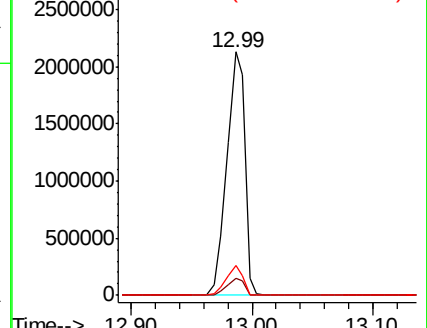
122 12.4 7.8 11.8#



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

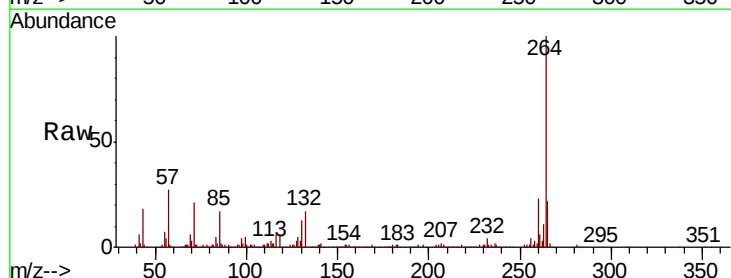
Tgt Ion:264 Resp: 389205

Ion Ratio Lower Upper

264 100

260 23.3 19.8 29.6

265 22.4 17.0 25.4



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

