

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
 Data File : BF117551.D  
 Acq On : 25 Oct 2019 22:00  
 Operator : JU  
 Sample : K5501-19 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 182-66-(0-2)

Quant Time: Oct 26 03:25:31 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  | 35071    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 133998   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.77  | 164  | 58575    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.26 | 188  | 93602    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.90 | 240  | 60981    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.34 | 264  | 46675    | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 33718    | 14.30 | ng    | 0.02     |
| 7) Phenol-d6                | 6.40  | 99   | 45926    | 14.50 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 22723    | 8.37  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 7029     | 13.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 48652    | 11.70 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.83 | 244  | 42556    | 11.38 | ng    | 0.00     |

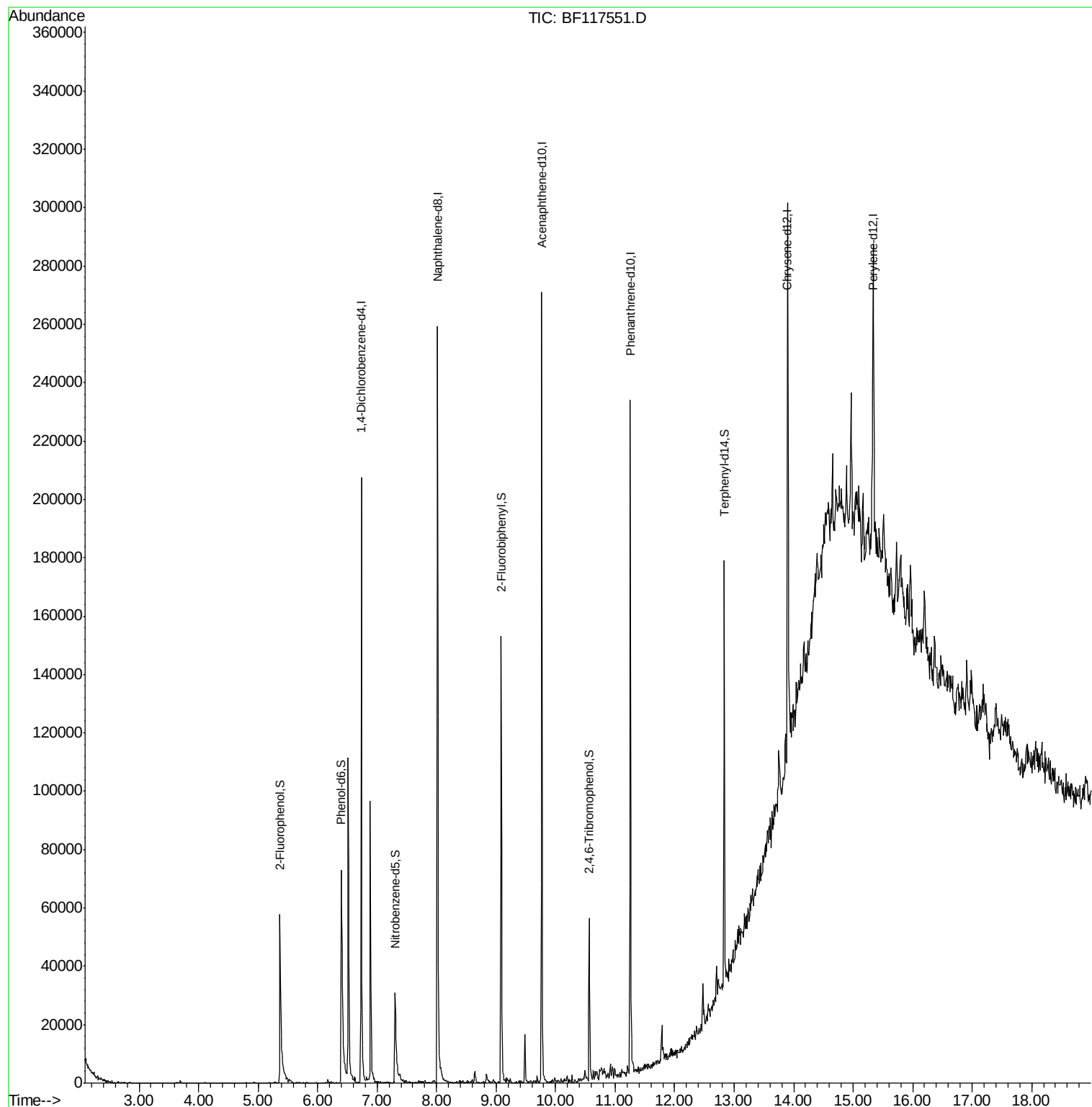
Target Compounds Qvalue

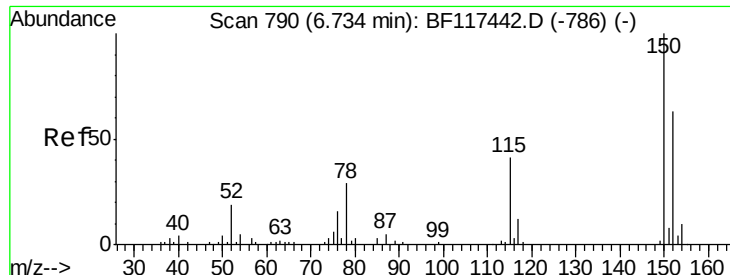
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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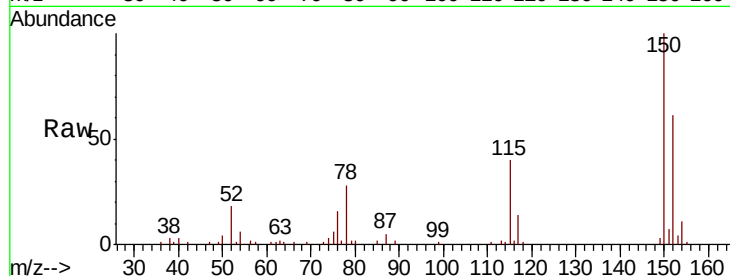


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF117551.D  
Acq: 25 Oct 2019 22:00

Instrument :  
BNA\_F  
ClientSampleId :  
182-66-(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.8 | 126.8 | 190.2 |
| 115     | 66.3  | 51.6  | 77.4  |

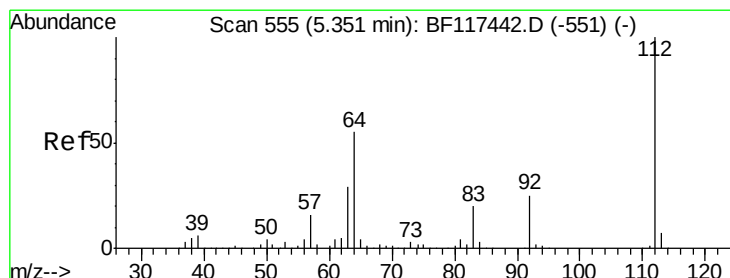
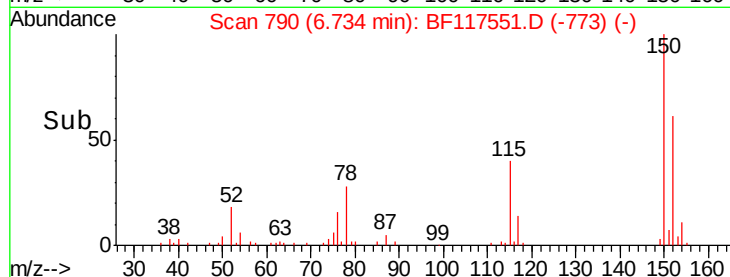
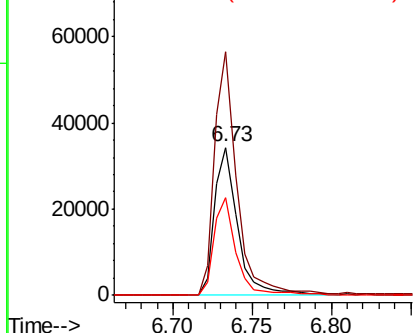


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

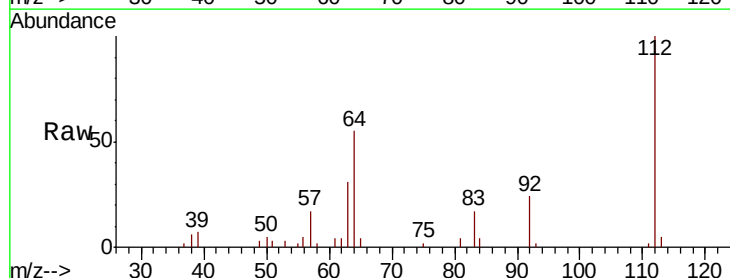
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 14.303 ng  
RT: 5.37 min Scan# 558  
Delta R.T. 0.02 min  
Lab File: BF117551.D  
Acq: 25 Oct 2019 22:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 44.1  | 66.1  |
| 63      | 31.1  | 23.4  | 35.2  |

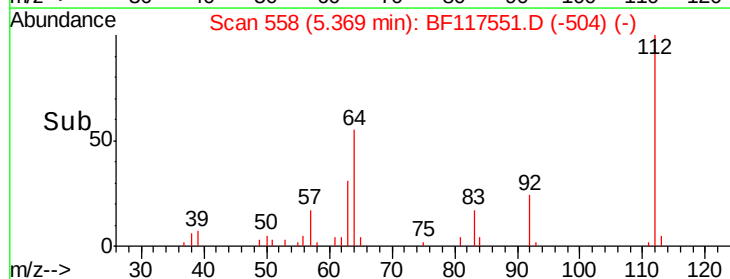
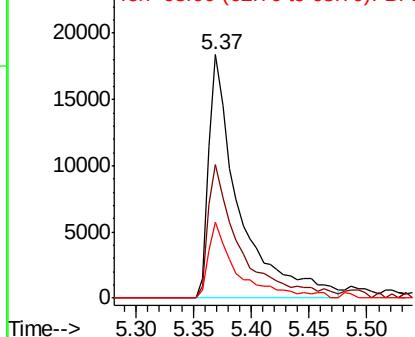


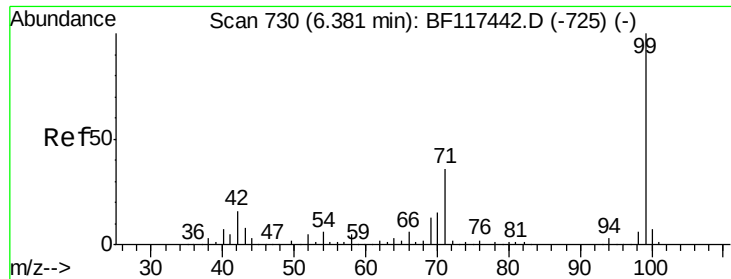
Abundance

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: 14.505 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

Instrument :

BNA\_F

ClientSampleId :

182-66-(0-2)

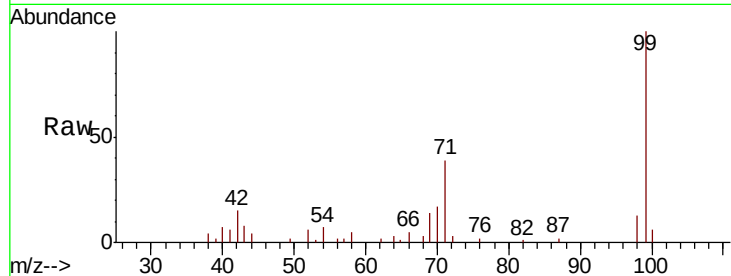
Tot Ion: 99 Resp: 45926

Ion Ratio Lower Upper

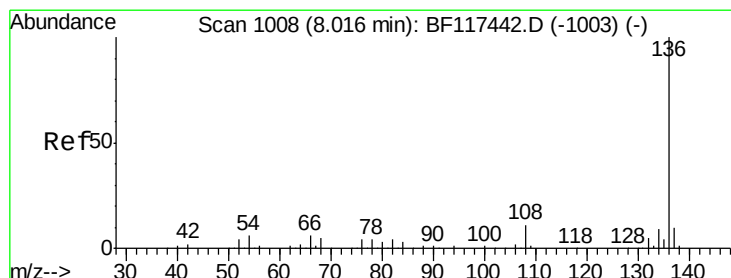
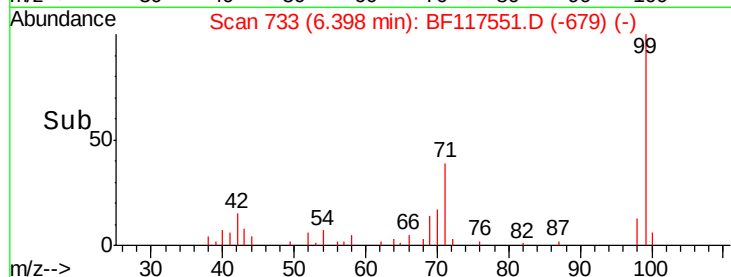
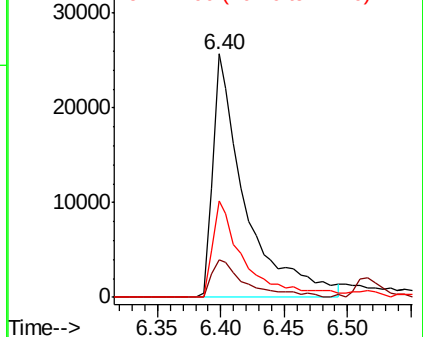
99 100

42 15.2 12.8 19.2

71 39.4 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: 8.02 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

Tgt Ion: 136 Resp: 133998

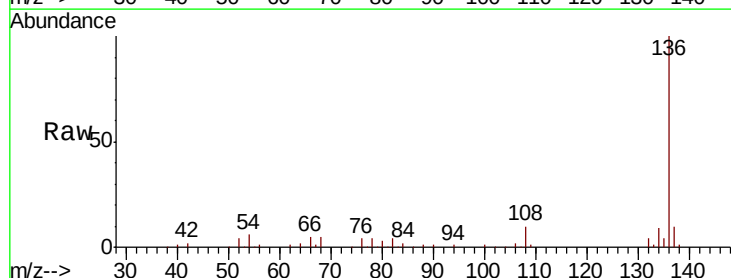
Ion Ratio Lower Upper

136 100

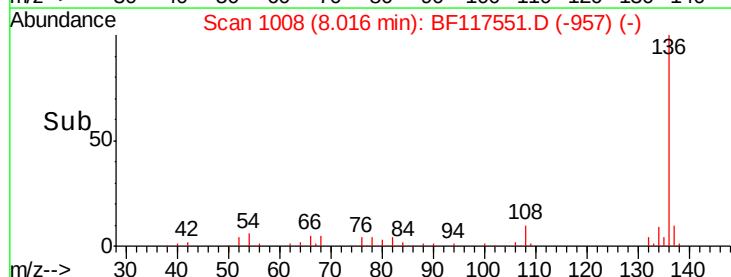
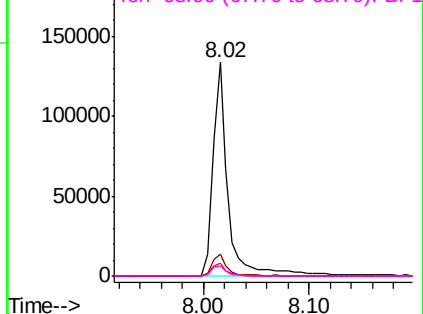
137 10.4 8.2 12.4

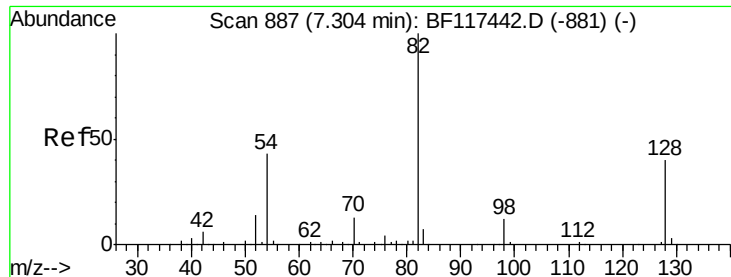
54 6.1 4.5 6.7

68 5.1 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

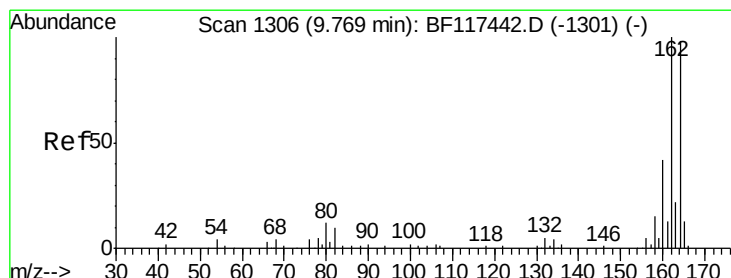
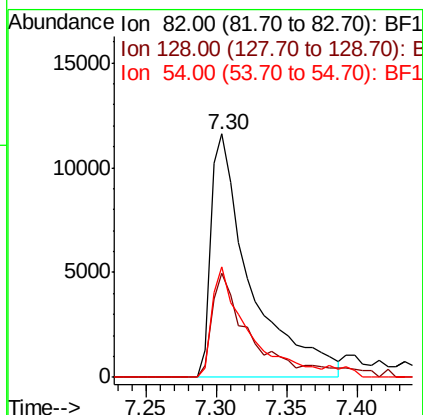
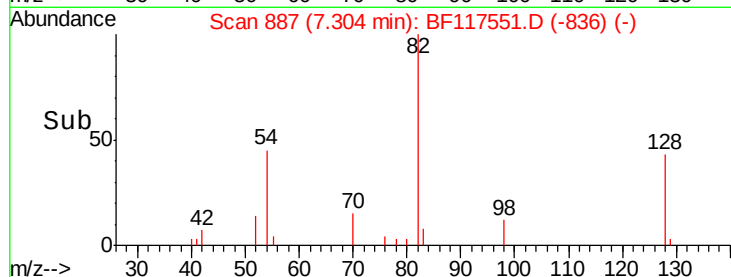
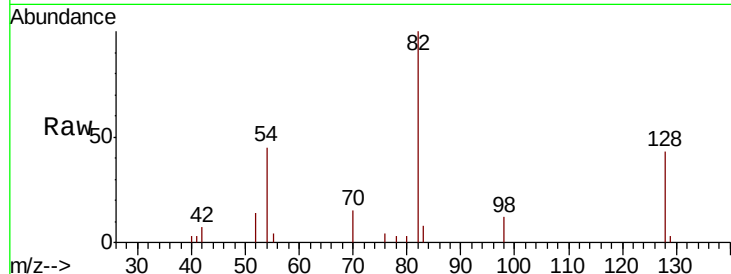




#23  
Nitrobenzene-d5  
Concen: 8.372 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.00 min  
Lab File: BF117551.D  
Acq: 25 Oct 2019 22:00

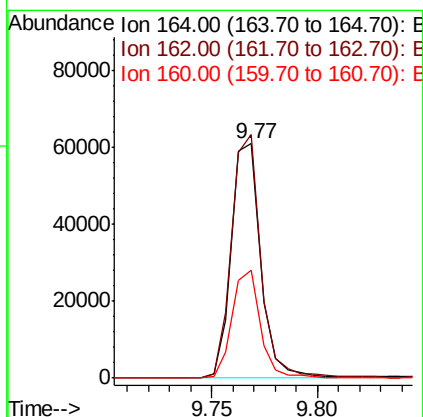
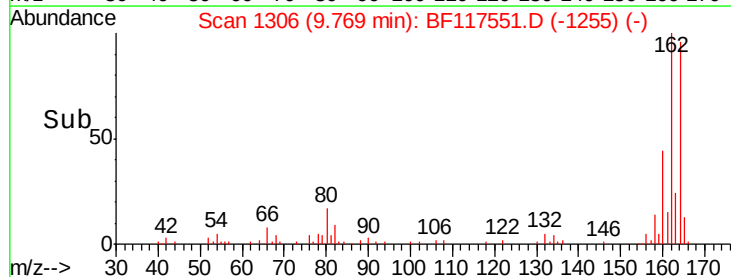
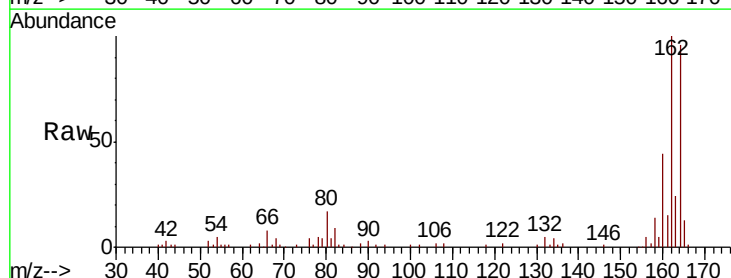
Instrument :  
BNA\_F  
ClientSampleId :  
182-66-(0-2)

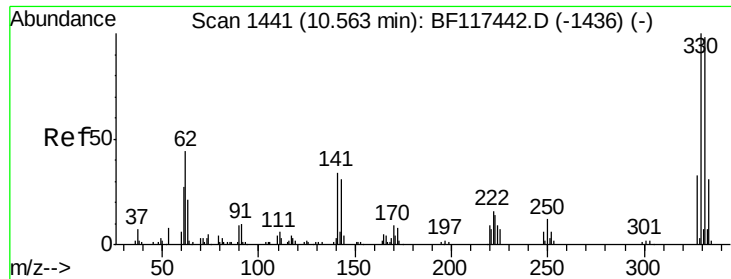
Tot Ion: 82 Resp: 22723  
Ion Ratio Lower Upper  
82 100  
128 42.8 32.2 48.2  
54 45.2 34.2 51.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF117551.D  
Acq: 25 Oct 2019 22:00

Tgt Ion:164 Resp: 58575  
Ion Ratio Lower Upper  
164 100  
162 103.8 81.8 122.6  
160 46.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 13.869 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

Instrument :

BNA\_F

ClientSampleId :

182-66-(0-2)

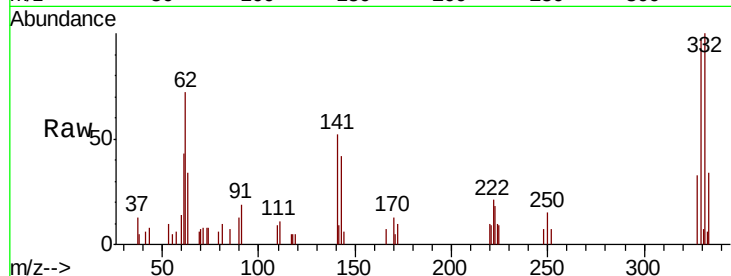
Tot Ion:330 Resp: 7029

Ion Ratio Lower Upper

330 100

332 94.9 78.5 117.7

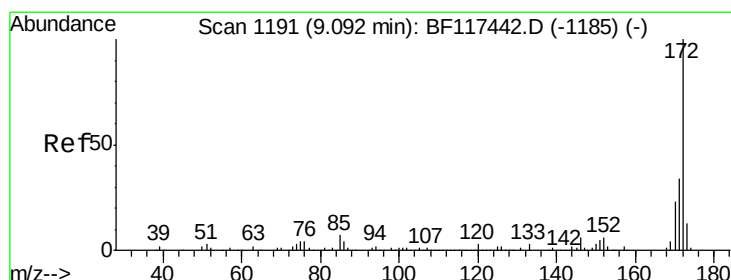
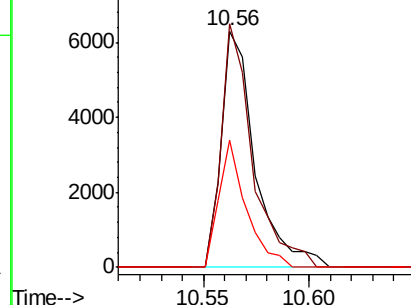
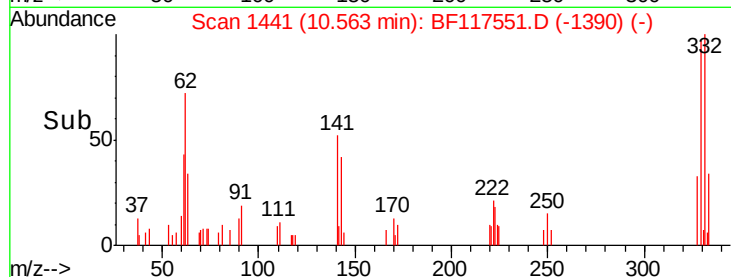
141 43.5 37.0 55.6



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: 11.703 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

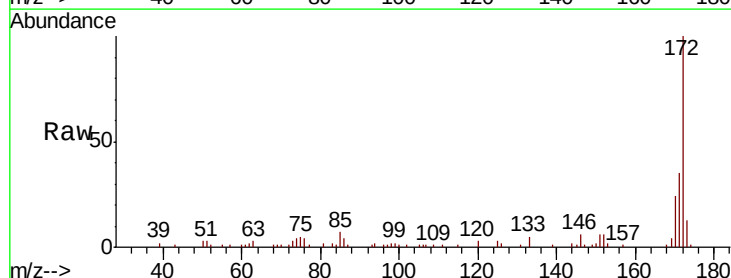
Tgt Ion:172 Resp: 48652

Ion Ratio Lower Upper

172 100

171 35.5 27.5 41.3

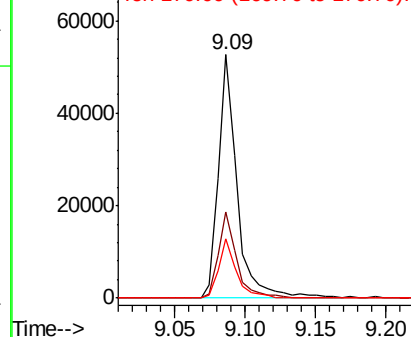
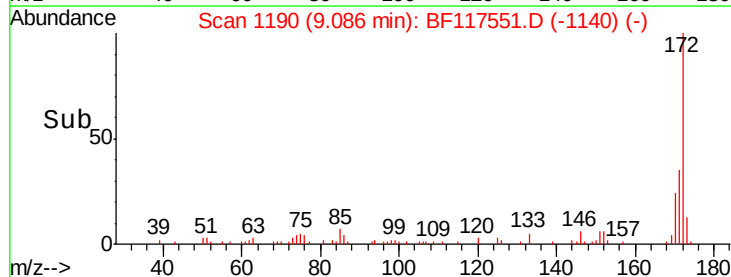
170 24.1 18.6 27.8

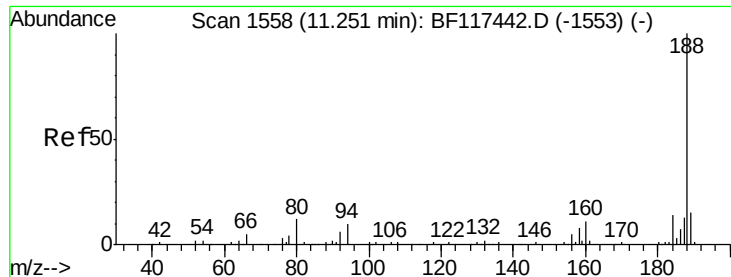


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

Instrument :

BNA\_F

ClientSampleId :

182-66-(0-2)

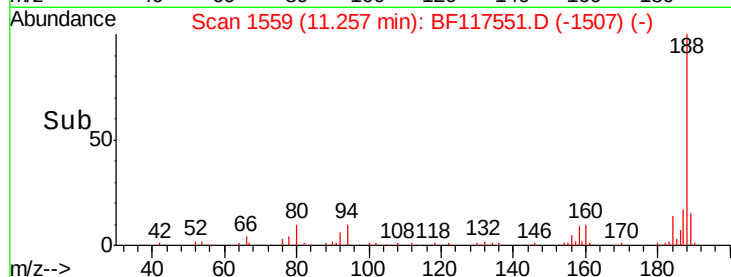
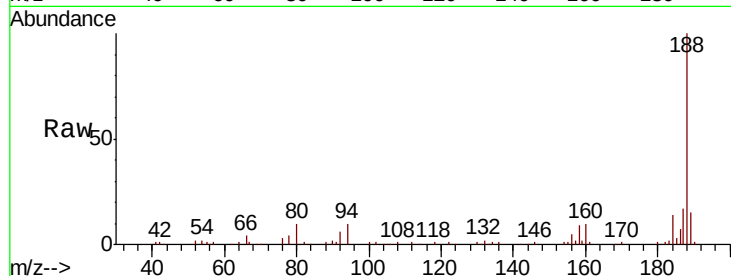
Tot Ion:188 Resp: 93602

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

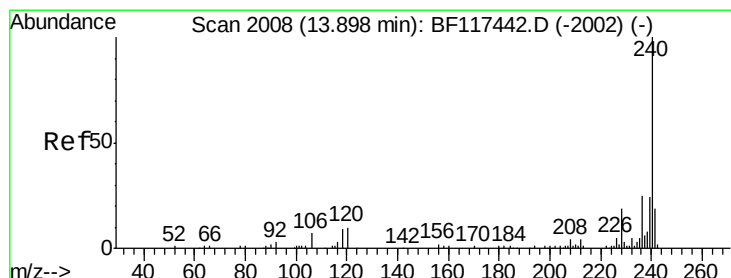
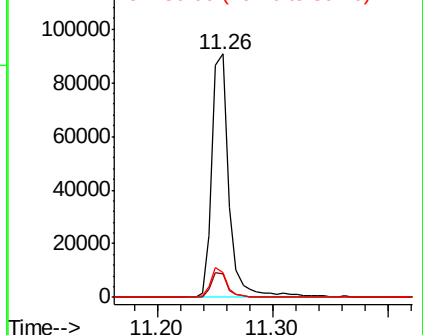
80 10.0 9.5 14.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

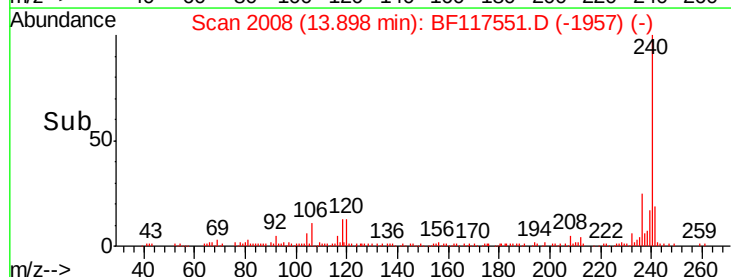
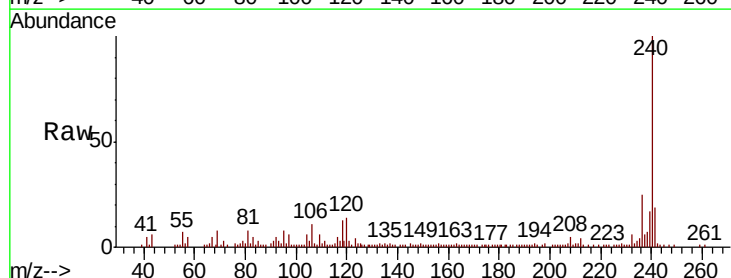
Tgt Ion:240 Resp: 60981

Ion Ratio Lower Upper

240 100

120 13.5 8.4 12.6#

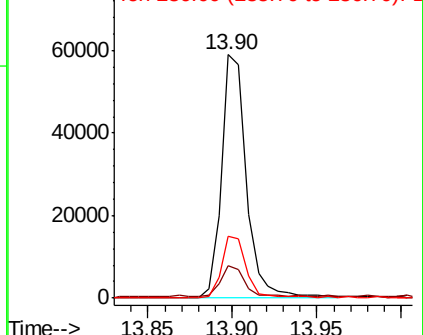
236 25.2 20.0 30.0

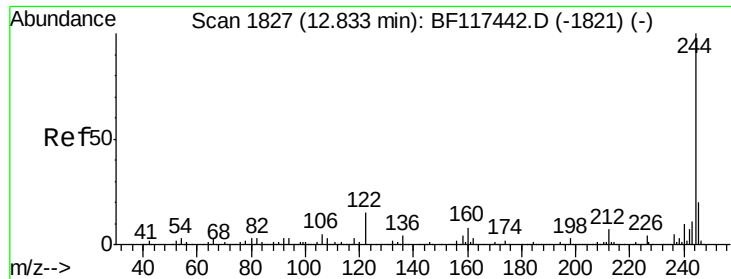


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 11.383 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

Instrument :

BNA\_F

ClientSampleId :

182-66-(0-2)

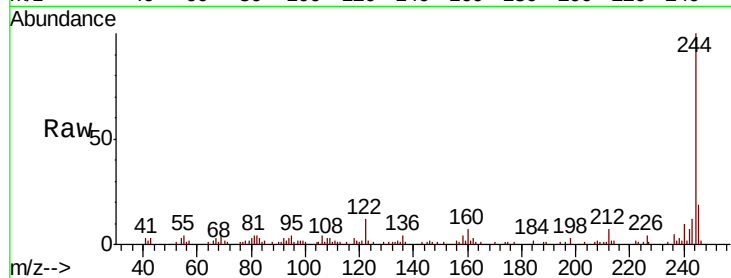
Tot Ion:244 Resp: 42556

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

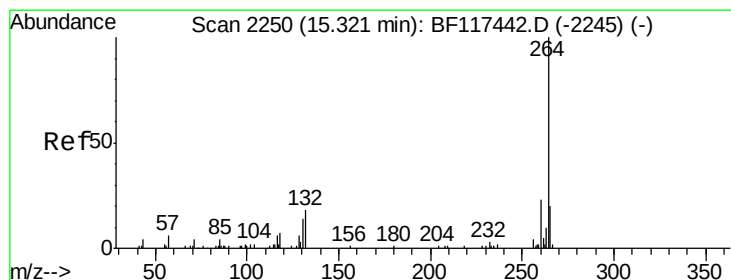
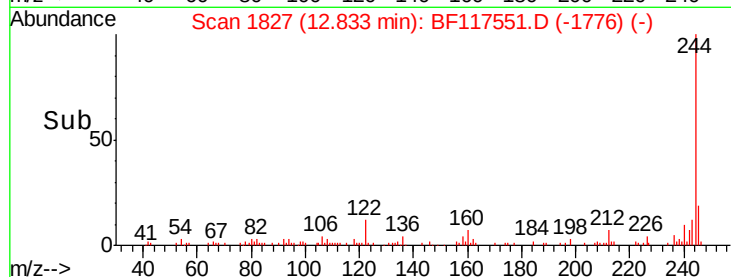
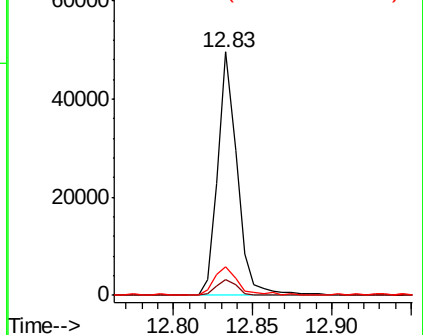
122 11.6 11.8 17.8#



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: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117551.D

Acq: 25 Oct 2019 22:00

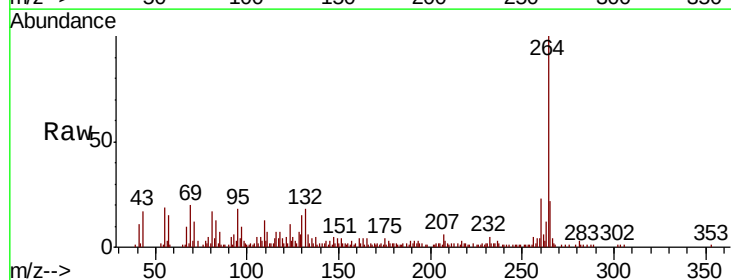
Tgt Ion:264 Resp: 46675

Ion Ratio Lower Upper

264 100

260 22.9 18.4 27.6

265 22.3 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

