

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
 Data File : BF118244.D  
 Acq On : 17 Dec 2019 23:36  
 Operator : JU  
 Sample : K6118-06 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-121319

Quant Time: Dec 18 10:32:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 126068   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.15  | 136  | 472039   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.91  | 164  | 215641   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.40 | 188  | 330301   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.06 | 240  | 251233   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 15.55 | 264  | 202430   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 293685   | 40.80 | ng    | -0.01    |
| 7) Phenol-d6                | 6.49  | 99   | 372182   | 42.75 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 202786   | 24.17 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.70 | 330  | 82064    | 31.33 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 380606   | 26.86 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.99 | 244  | 339013   | 23.20 | ng    | -0.01    |

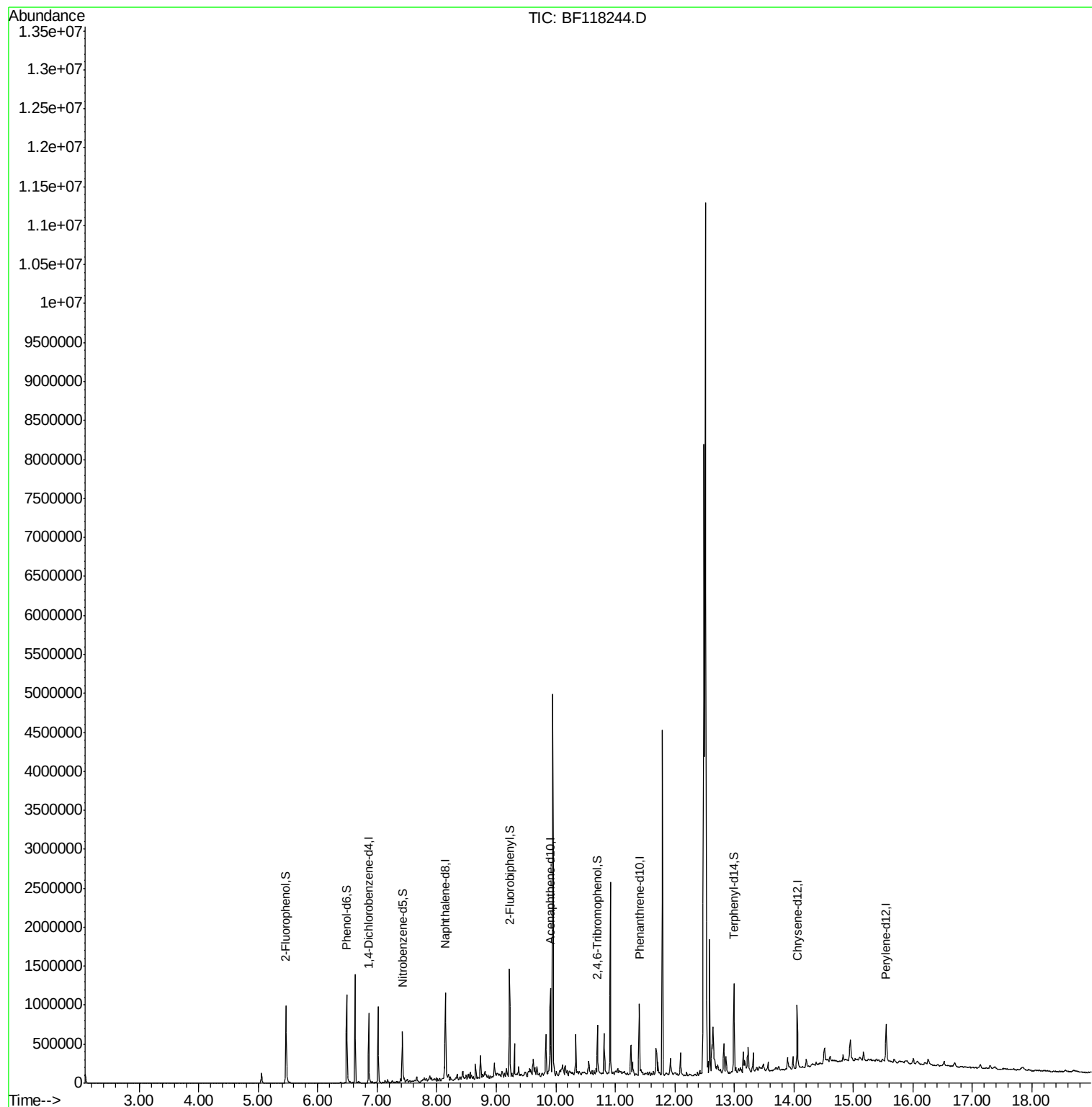
Target Compounds Qvalue

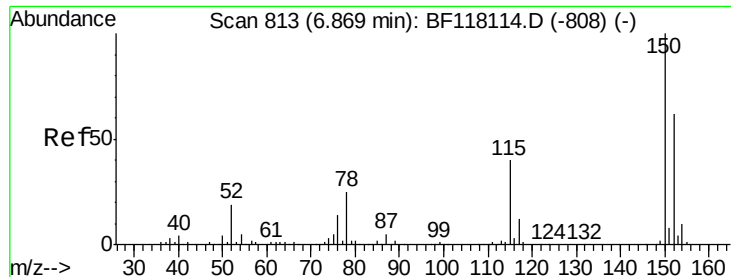
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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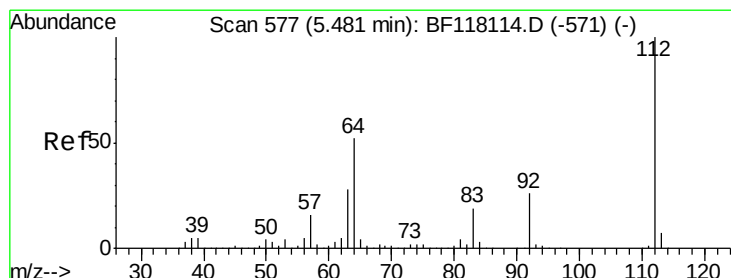
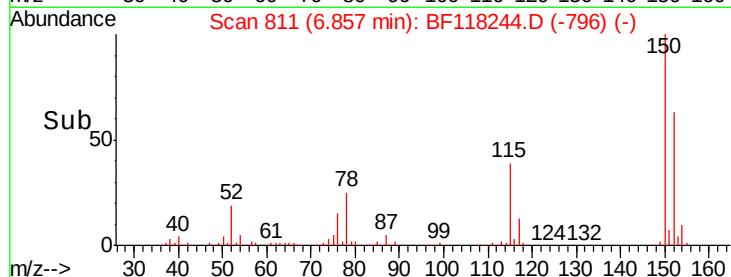
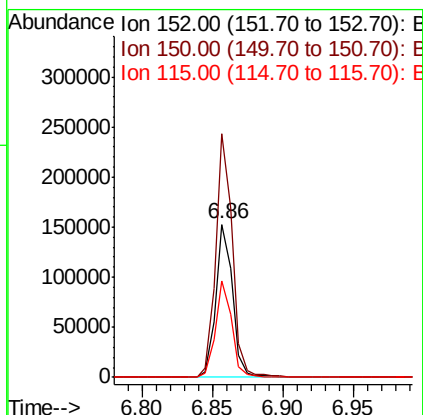
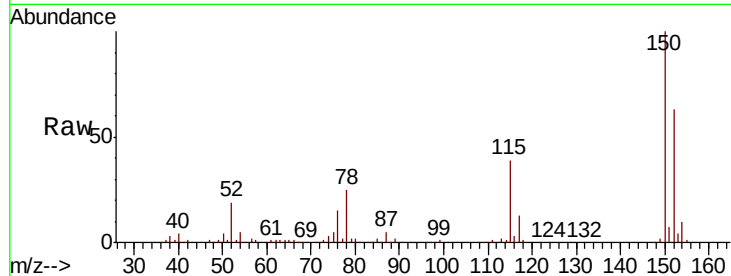


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BF118244.D  
Acq: 17 Dec 2019 23:36

Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-121319

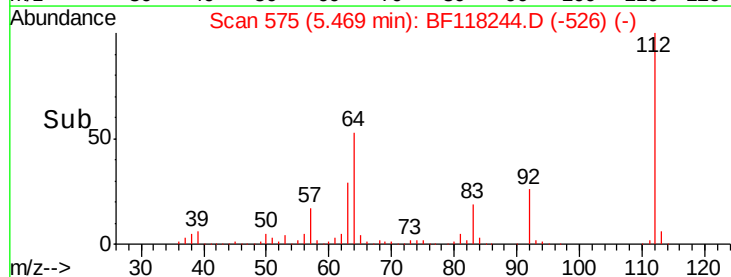
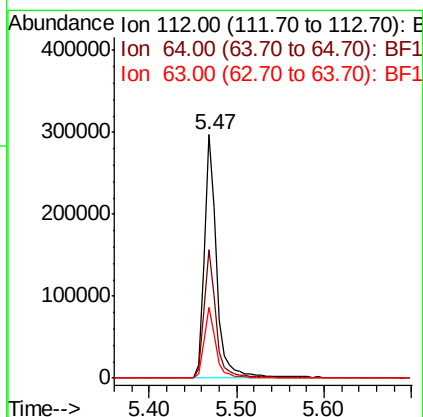
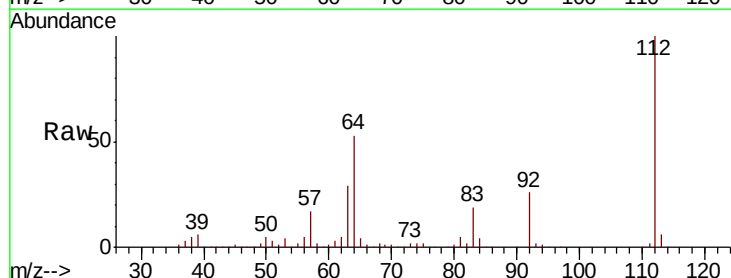
Tot Ion:152 Resp: 126068  
Ion Ratio Lower Upper  
152 100  
150 159.4 128.3 192.5  
115 62.8 51.1 76.7

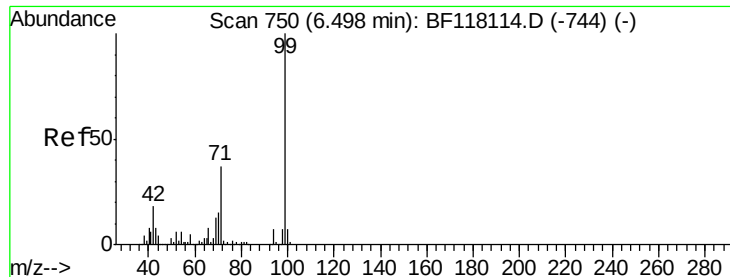


#5

2-Fluorophenol  
Concen: 40.802 ng  
RT: 5.47 min Scan# 575  
Delta R.T. -0.01 min  
Lab File: BF118244.D  
Acq: 17 Dec 2019 23:36

Tgt Ion:112 Resp: 293685  
Ion Ratio Lower Upper  
112 100  
64 52.9 41.3 61.9  
63 29.0 22.4 33.6





#7

Phenol-d6

Concen: 42.750 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118244.D

Acq: 17 Dec 2019 23:36

Instrument :

BNA\_F

ClientSampled :

SU-03-121319

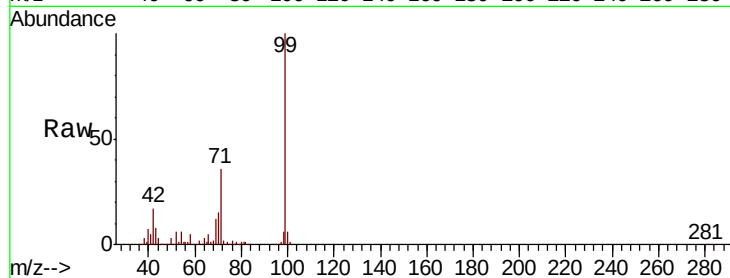
Tot Ion: 99 Resp: 372182

Ion Ratio Lower Upper

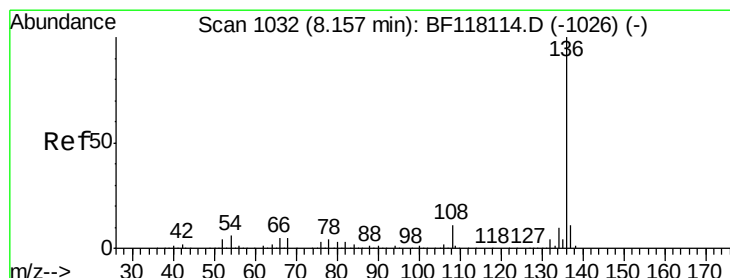
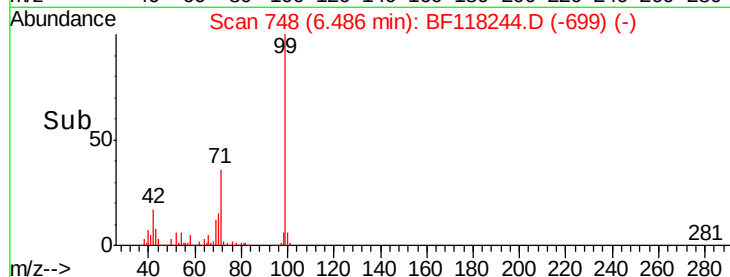
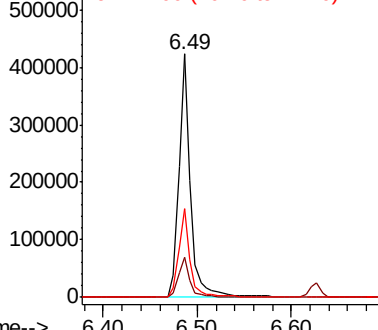
99 100

42 16.6 14.1 21.1

71 36.3 29.7 44.5



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118244.D

Acq: 17 Dec 2019 23:36

Tgt Ion: 136 Resp: 472039

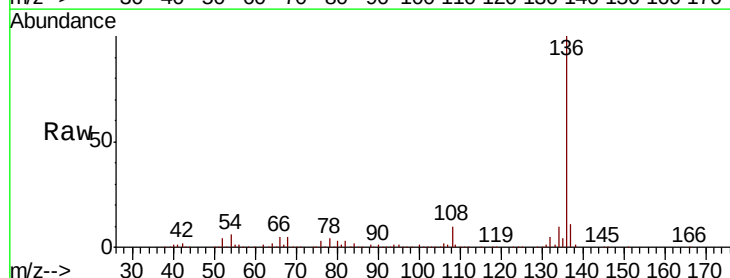
Ion Ratio Lower Upper

136 100

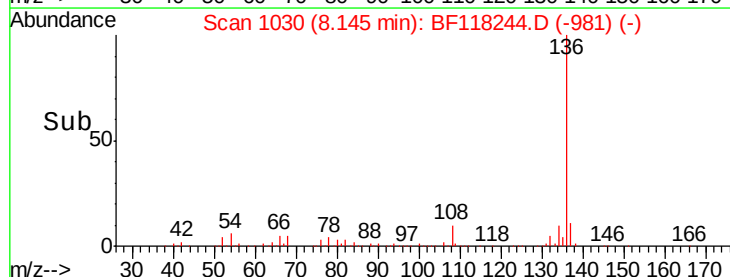
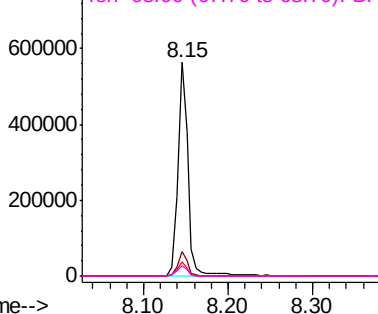
137 11.3 9.0 13.6

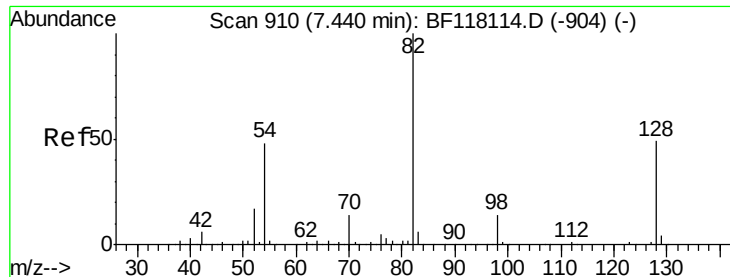
54 6.3 5.0 7.6

68 4.9 3.8 5.8



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

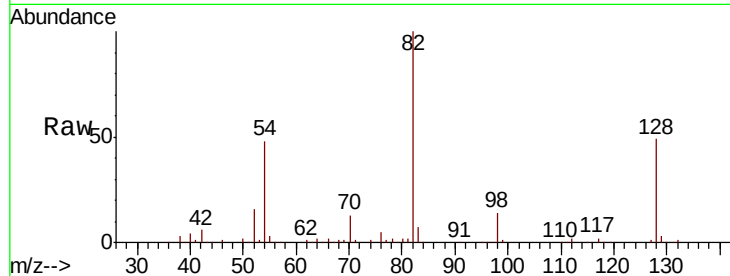




#23  
 Nitrobenzene-d5  
 Concen: 24.168 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.02 min  
 Lab File: BF118244.D  
 Acq: 17 Dec 2019 23:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-121319

| Tot Ion   | 82   | Resp  | 202786 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 48.9 | 39.1  | 58.7   |
| 54        | 47.8 | 38.2  | 57.2   |

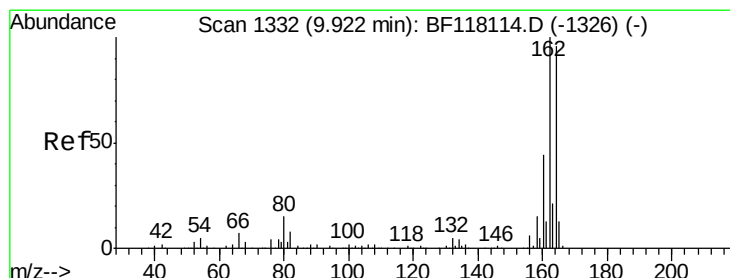
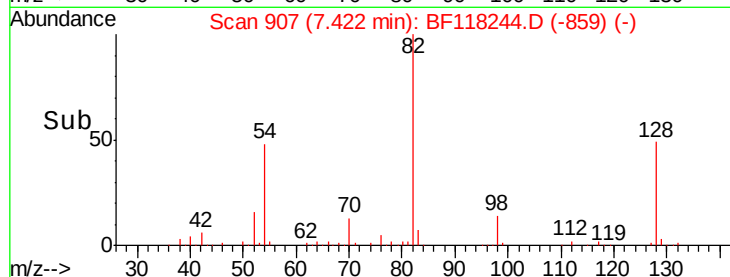
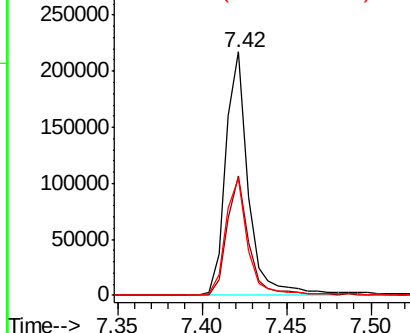


Abundance

Ion 82.00 (81.70 to 82.70): BF1

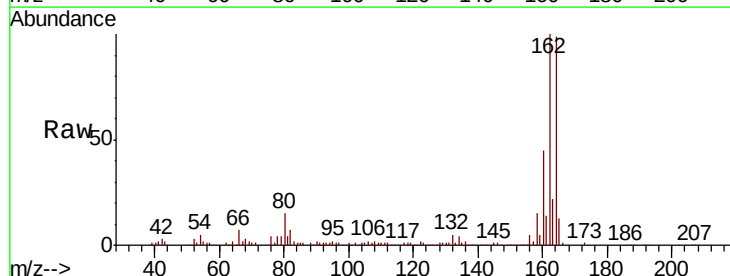
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.01 min  
 Lab File: BF118244.D  
 Acq: 17 Dec 2019 23:36

| Tgt Ion   | 164   | Resp  | 215641 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 100.7 | 83.4  | 125.0  |
| 160       | 44.8  | 36.6  | 54.8   |

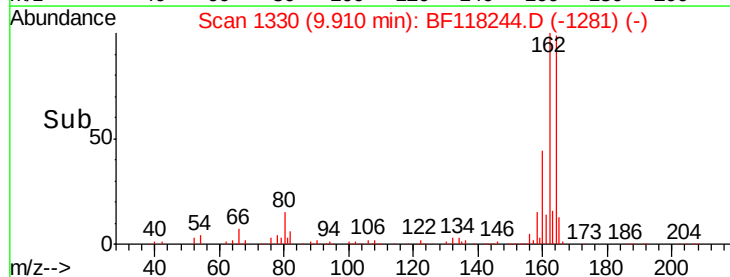
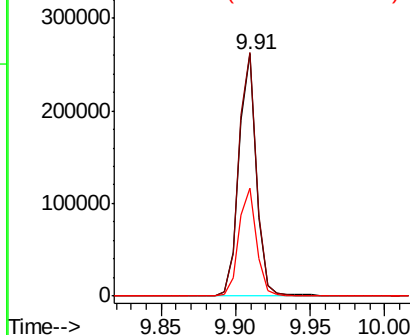


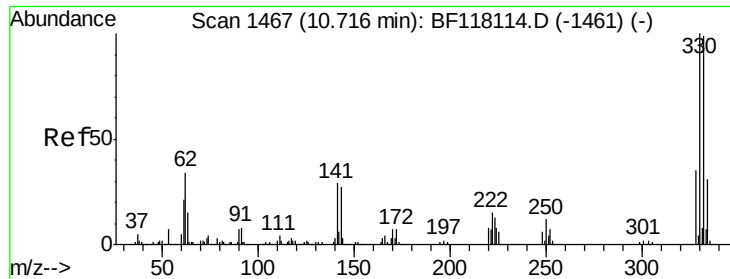
Abundance

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

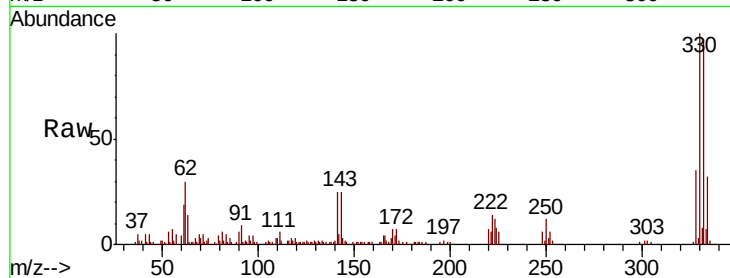




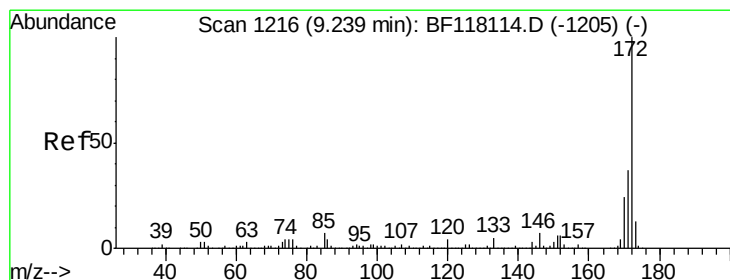
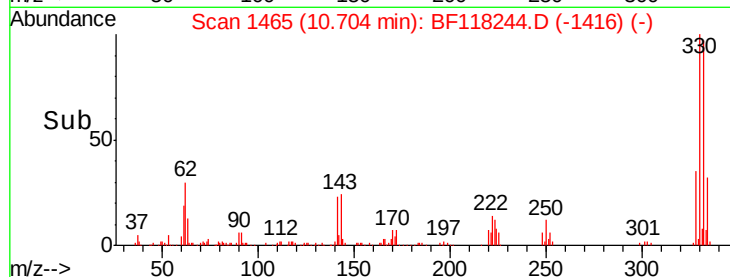
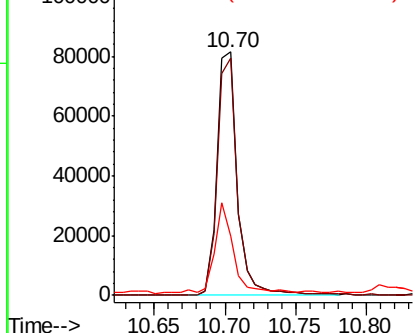
#42  
 2,4,6-Tribromophenol  
 Concen: 31.326 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BF118244.D  
 Acq: 17 Dec 2019 23:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-121319

Tot Ion:330 Resp: 82064  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.1 117.1  
 141 34.2 26.9 40.3

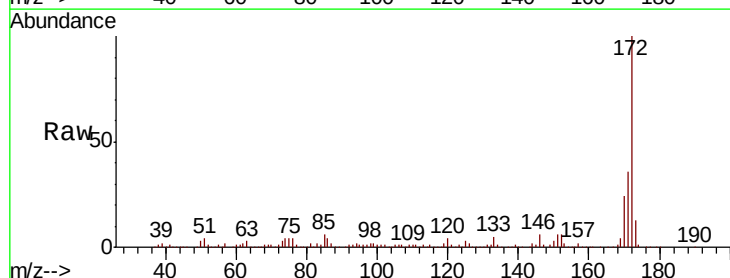


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

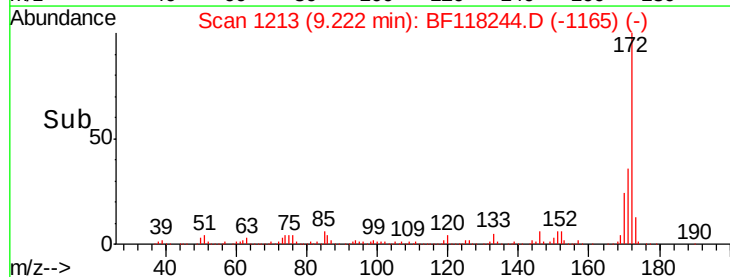
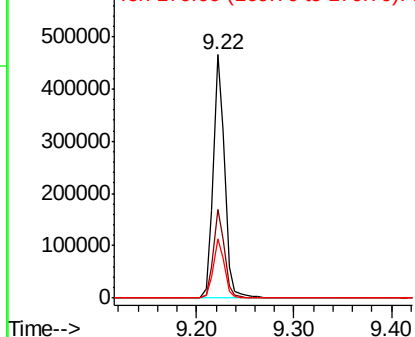


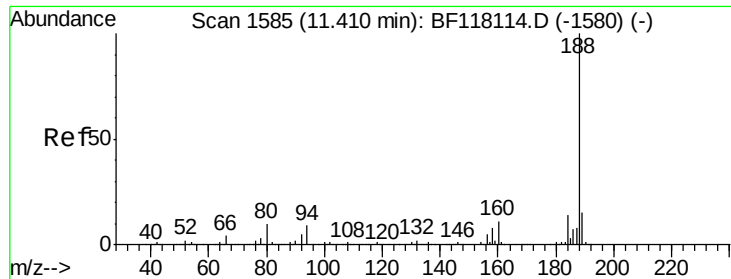
#45  
 2-Fluorobiphenyl  
 Concen: 26.857 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.02 min  
 Lab File: BF118244.D  
 Acq: 17 Dec 2019 23:36

Tgt Ion:172 Resp: 380606  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.2 43.8  
 170 24.1 19.4 29.2



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

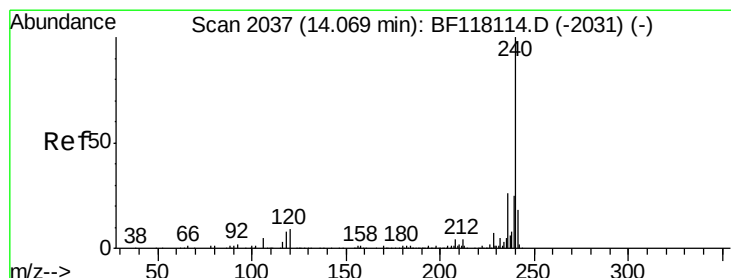
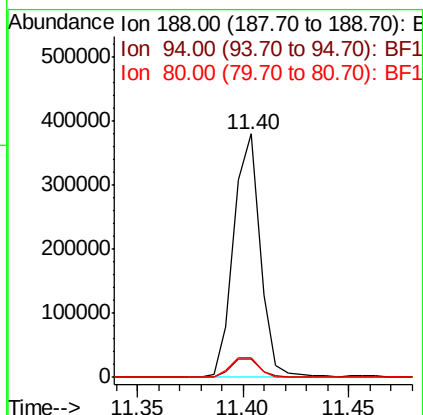
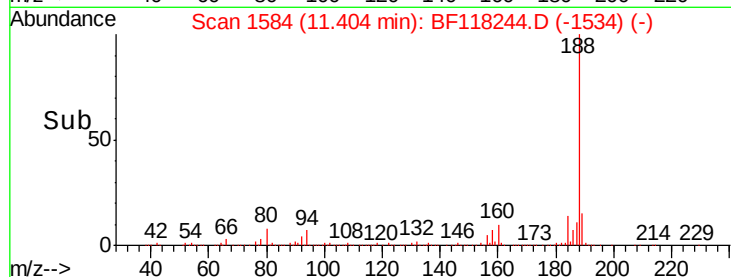
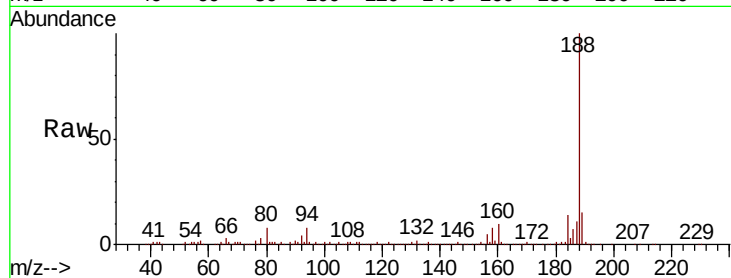




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF118244.D  
Acq: 17 Dec 2019 23:36

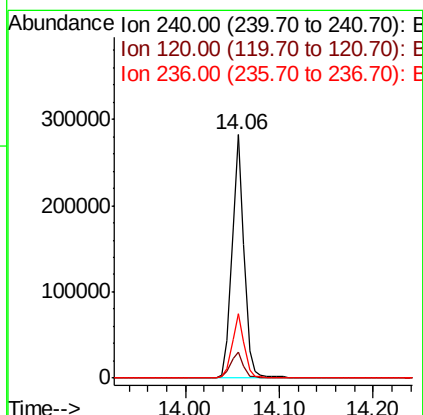
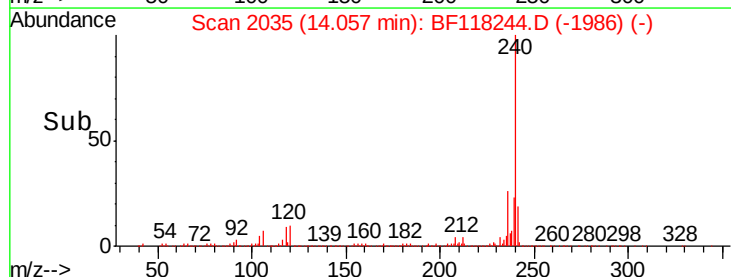
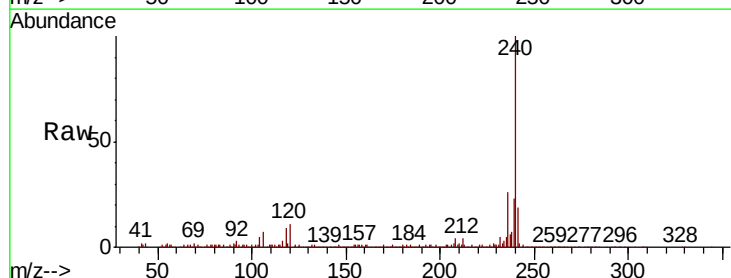
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-121319

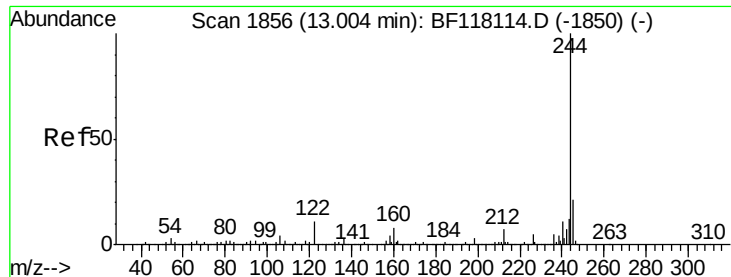
Tot Ion:188 Resp: 330301  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.1 10.7  
80 7.9 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. -0.01 min  
Lab File: BF118244.D  
Acq: 17 Dec 2019 23:36

Tgt Ion:240 Resp: 251233  
Ion Ratio Lower Upper  
240 100  
120 10.5 7.1 10.7  
236 26.4 21.0 31.6





#79

Terphenyl-d14

Concen: 23.205 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118244.D

Acq: 17 Dec 2019 23:36

Instrument :

BNA\_F

ClientSampleId :

SU-03-121319

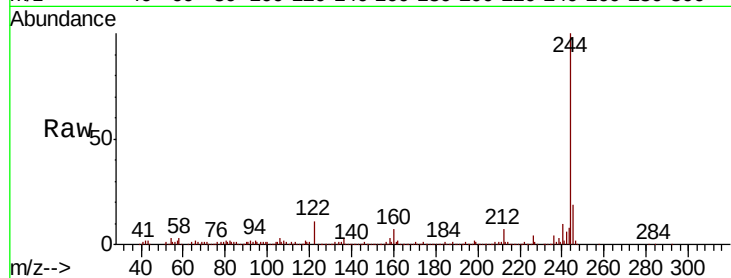
Tot Ion:244 Resp: 339013

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

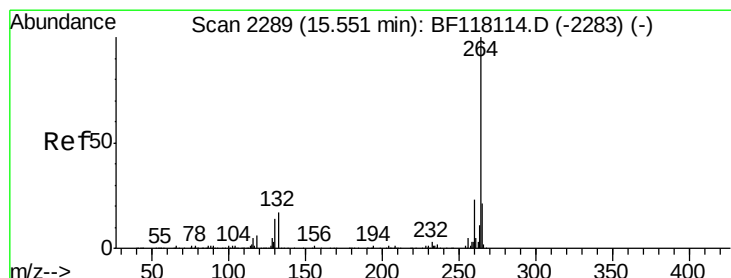
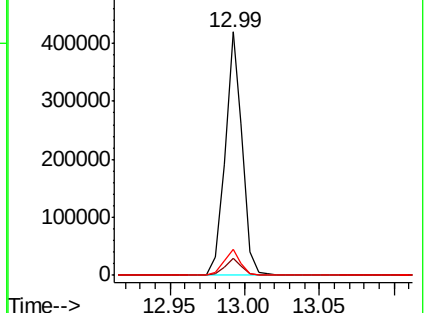
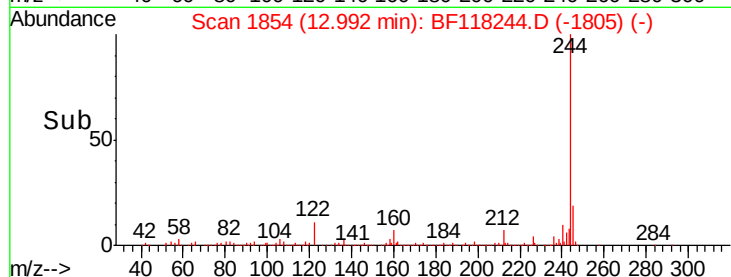
122 10.8 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118244.D

Acq: 17 Dec 2019 23:36

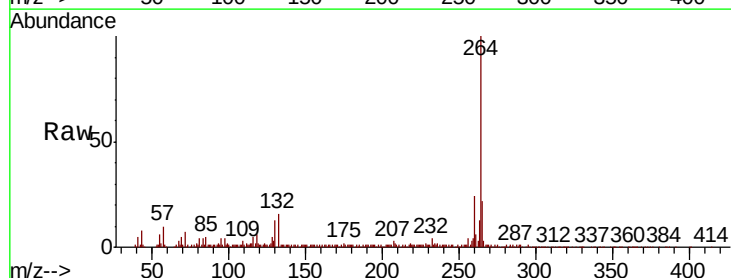
Tgt Ion:264 Resp: 202430

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.5 16.8 25.2



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

