

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\  
 Data File : BF115725.D  
 Acq On : 23 Jul 2019 18:10  
 Operator : HP/JU  
 Sample : K3908-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PWU-3

Quant Time: Jul 24 05:37:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 170363   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.15  | 136  | 633617   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.90  | 164  | 360175   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.39 | 188  | 668275   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12            | 14.03 | 240  | 520954   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 15.50 | 264  | 485060   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 423448   | 40.66 | ng    | -0.01    |
| 7) Phenol-d6                | 6.49  | 99   | 333642   | 25.25 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 1026812  | 94.23 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 309496   | 73.62 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.23  | 172  | 1791735  | 87.07 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.98 | 244  | 2028844  | 71.86 | ng    | -0.02    |

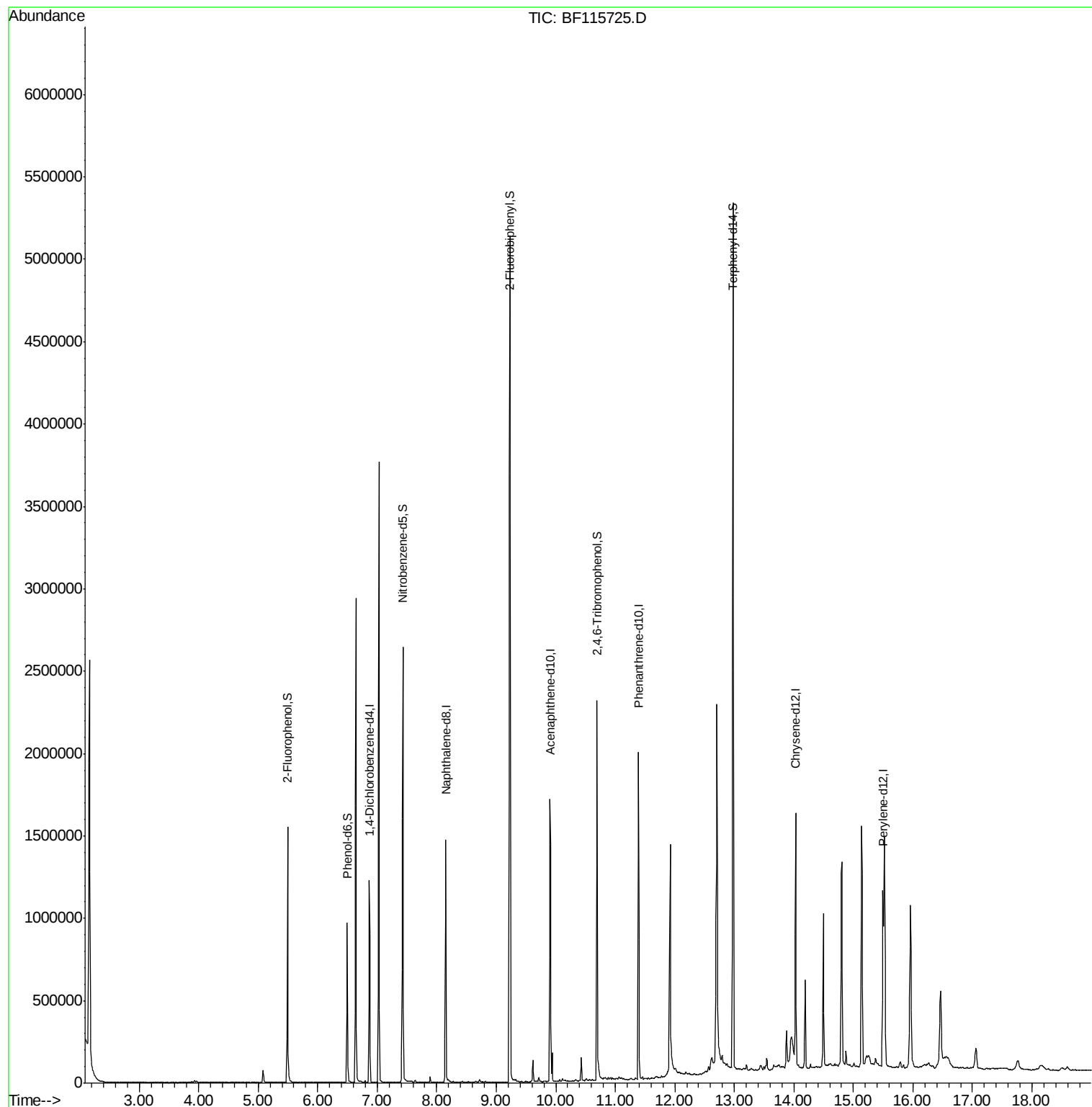
Target Compounds Qvalue

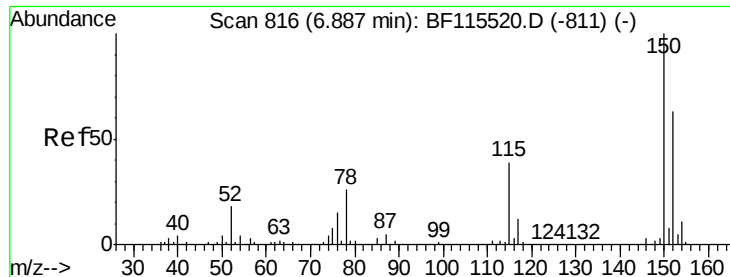
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 24 05:37:58 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 14:03:52 2019  
Response via : Initial Calibration



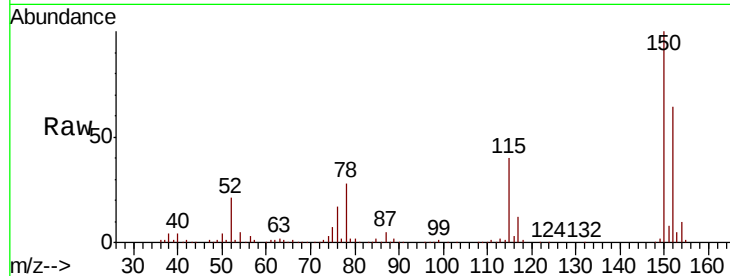


#1

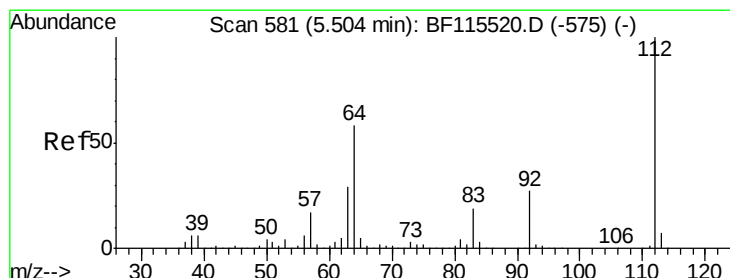
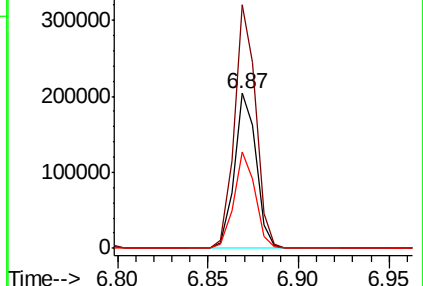
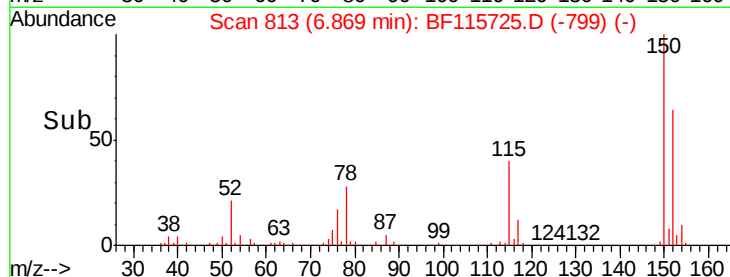
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.02 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PWU-3

Tot Ion:152 Resp: 170363  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 129.7 194.5  
 115 62.7 48.2 72.4



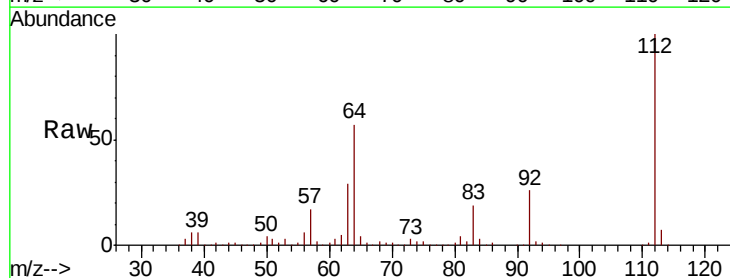
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



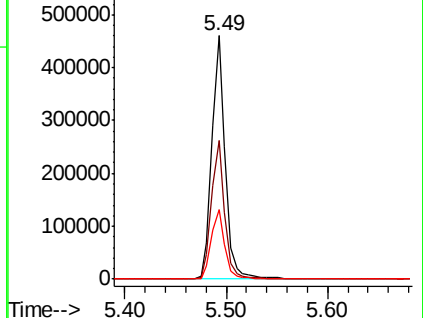
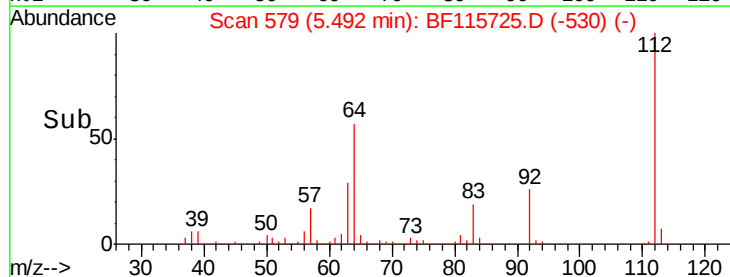
#5

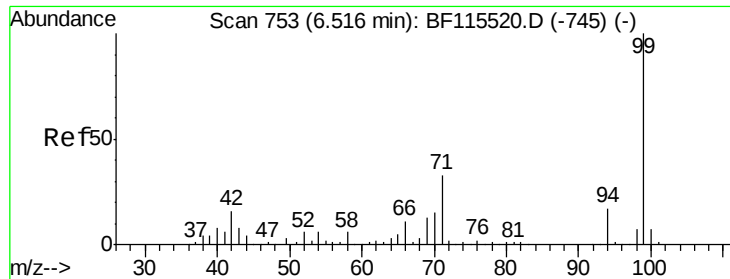
2-Fluorophenol  
 Concen: 40.657 ng  
 RT: 5.49 min Scan# 579  
 Delta R.T. -0.01 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

Tgt Ion:112 Resp: 423448  
 Ion Ratio Lower Upper  
 112 100  
 64 57.0 46.8 70.2  
 63 28.7 24.1 36.1



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: 25.246 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Instrument :

BNA\_F

ClientSampleId :

PWU-3

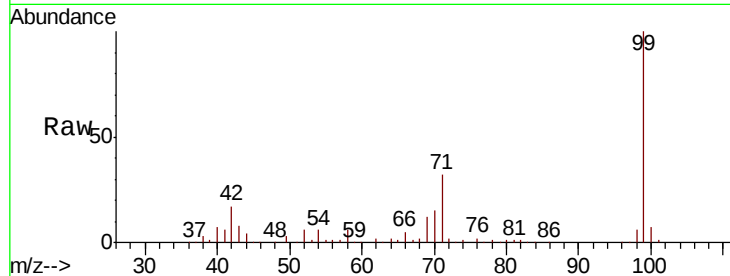
Tot Ion: 99 Resp: 333642

Ion Ratio Lower Upper

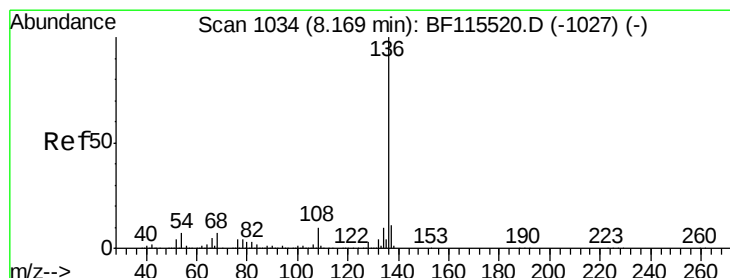
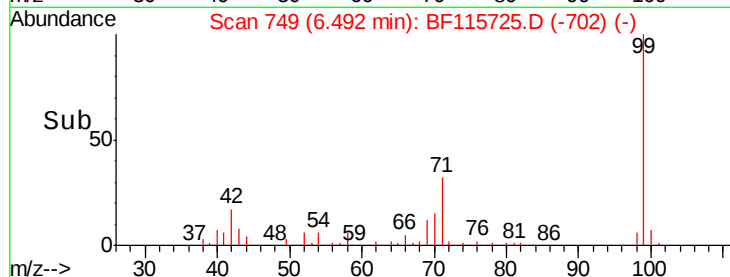
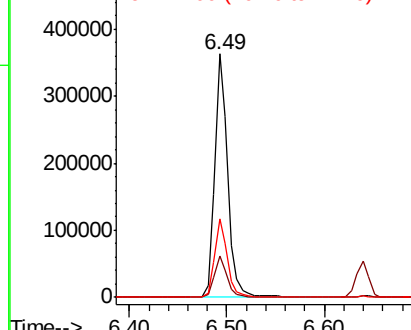
99 100

42 16.9 13.6 20.4

71 32.0 28.5 42.7



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# 1031

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Tgt Ion: 136 Resp: 633617

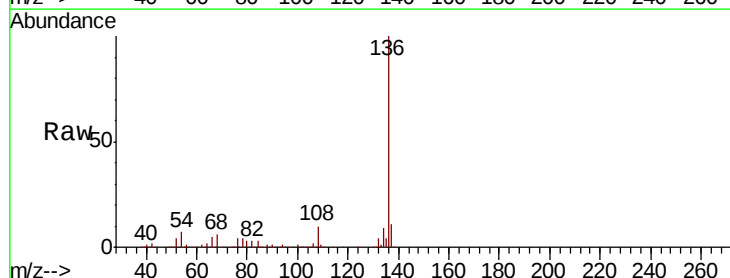
Ion Ratio Lower Upper

136 100

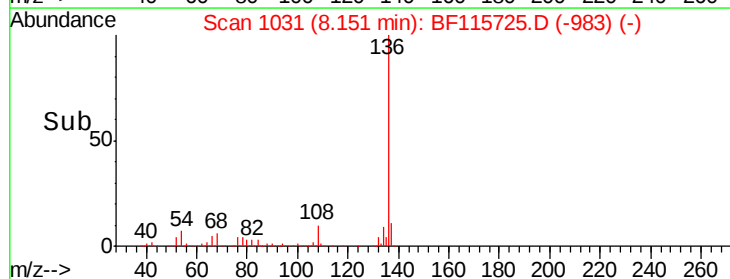
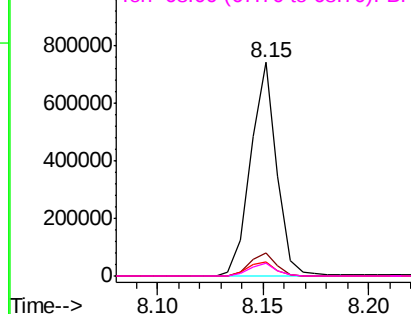
137 11.0 9.0 13.4

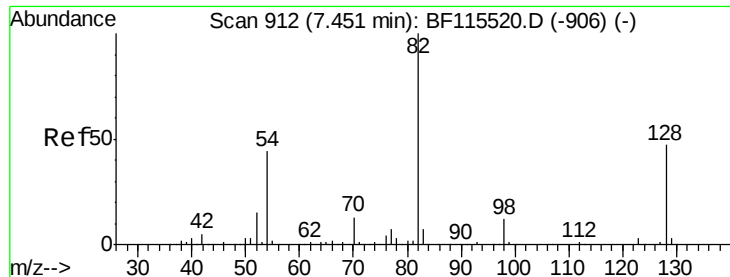
54 6.8 5.6 8.4

68 6.2 5.0 7.6



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

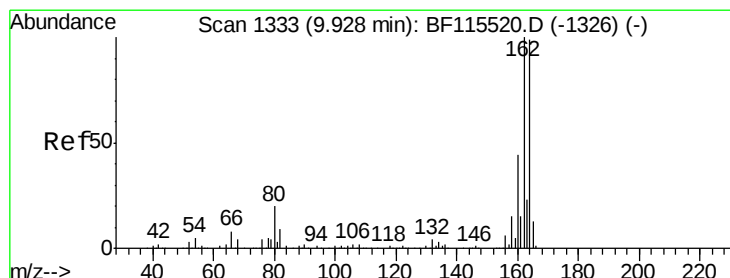
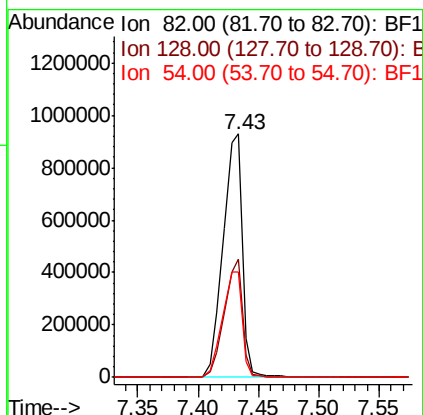
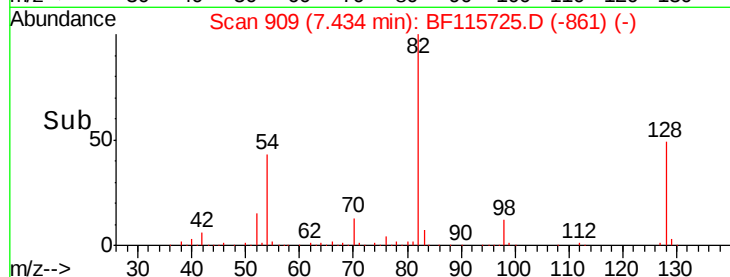
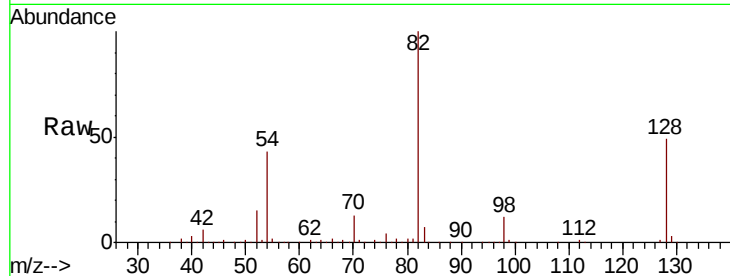




#23  
 Nitrobenzene-d5  
 Concen: 94.230 ng  
 RT: 7.43 min Scan# 909  
 Delta R.T. -0.02 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

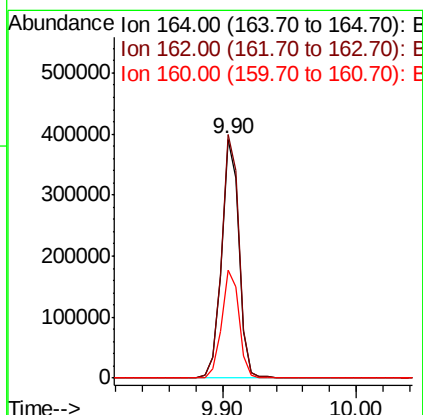
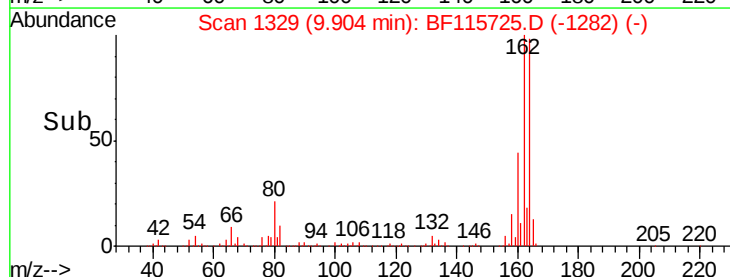
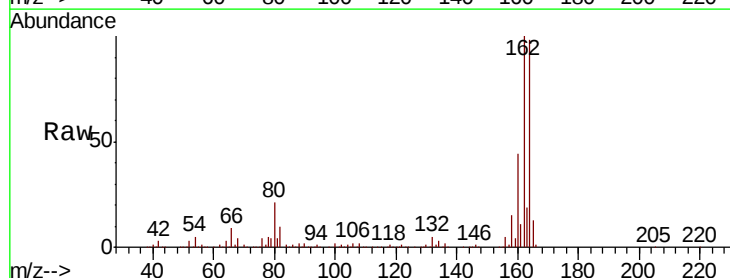
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PWU-3

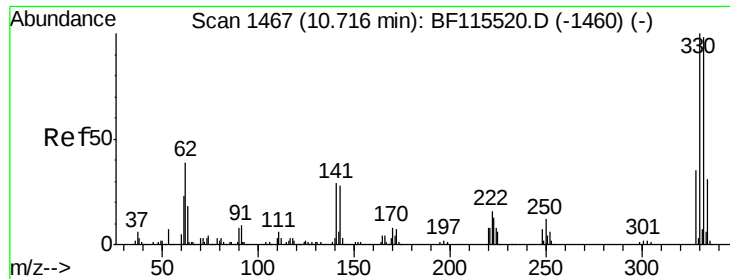
Tot Ion: 82 Resp: 1026812  
 Ion Ratio Lower Upper  
 82 100  
 128 48.6 38.6 57.8  
 54 43.3 35.6 53.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

Tgt Ion: 164 Resp: 360175  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 82.9 124.3  
 160 45.1 36.8 55.2





#42

2,4,6-Tribromophenol

Concen: 73.617 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Instrument :

BNA\_F

ClientSampleId :

PWU-3

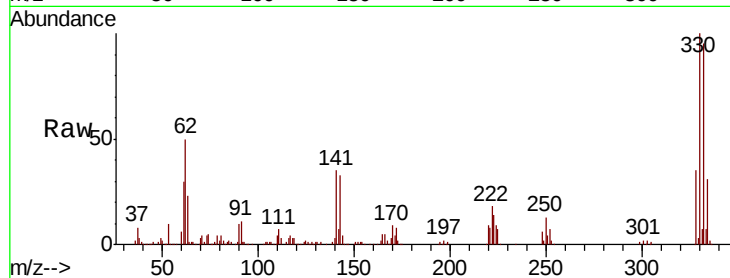
Tot Ion:330 Resp: 309496

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

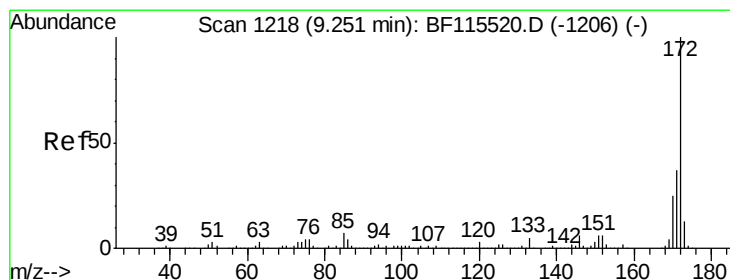
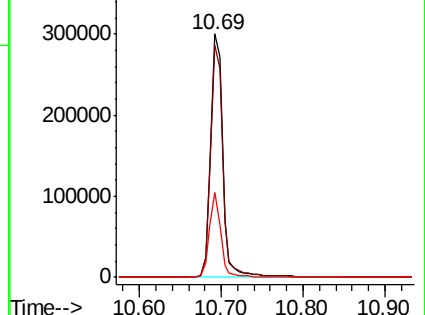
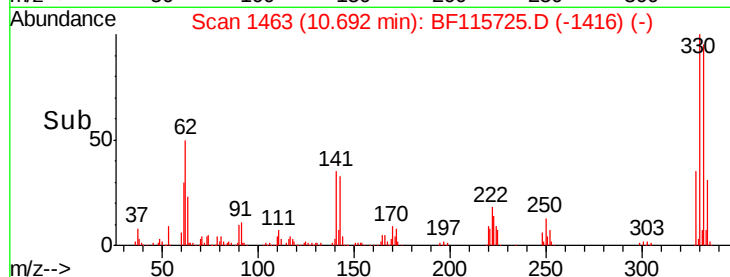
141 33.1 22.4 33.6



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: 87.070 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

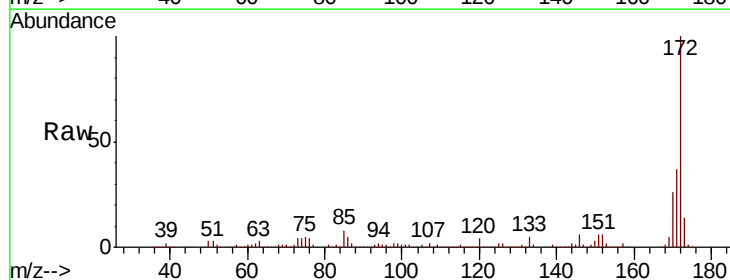
Tgt Ion:172 Resp: 1791735

Ion Ratio Lower Upper

172 100

171 36.9 30.6 46.0

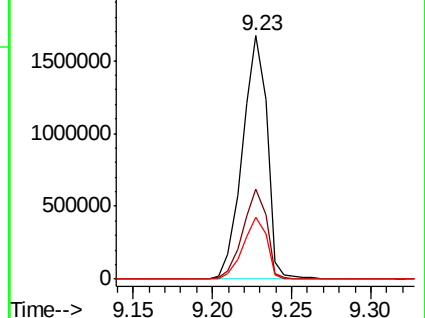
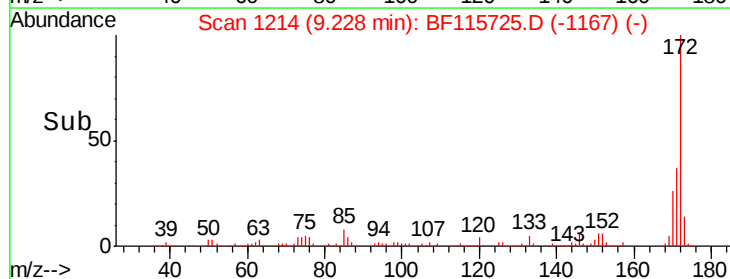
170 25.6 20.5 30.7

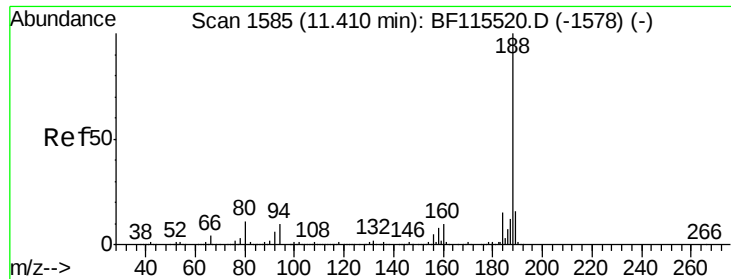


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

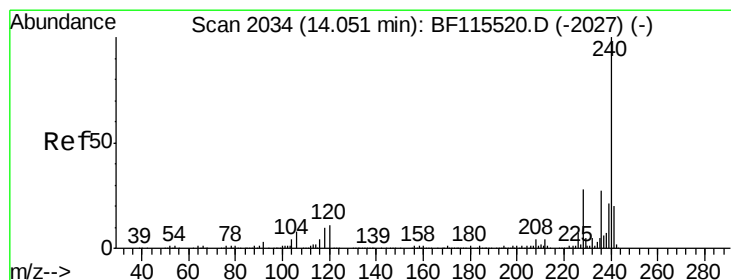
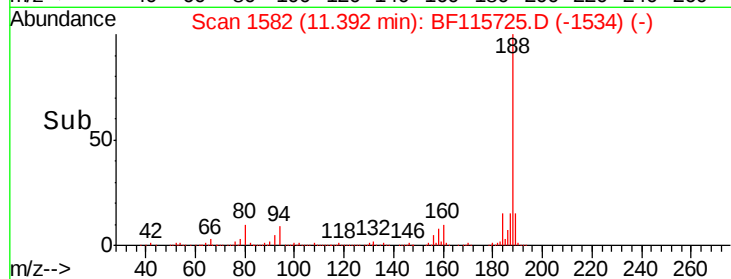
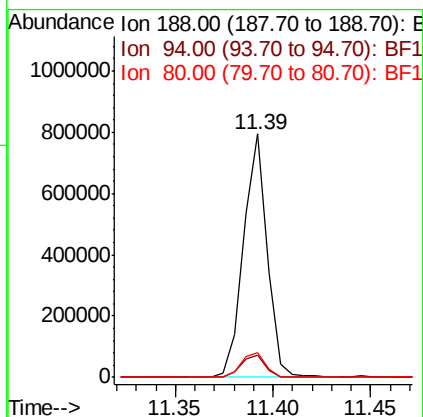
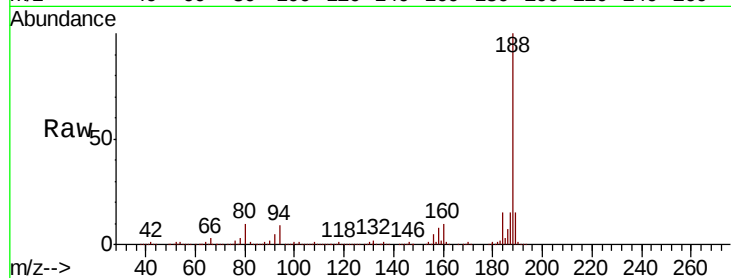




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

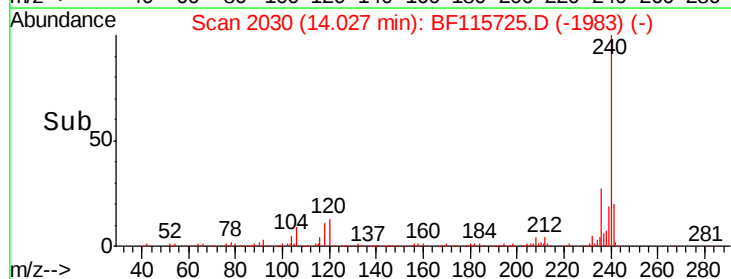
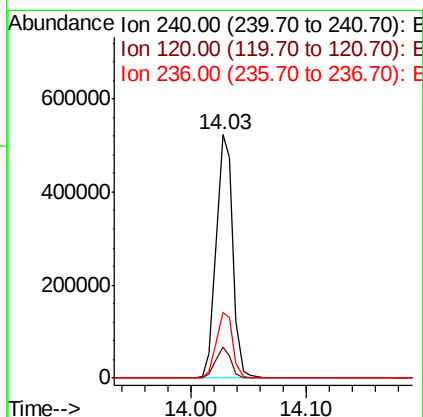
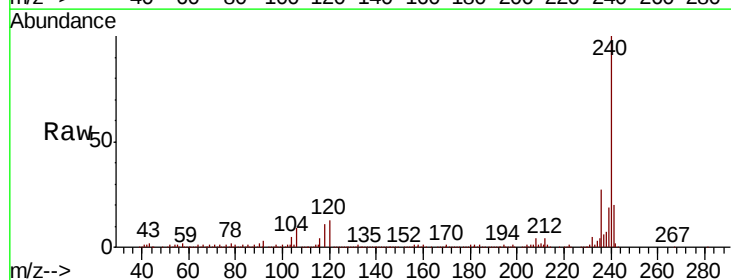
Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

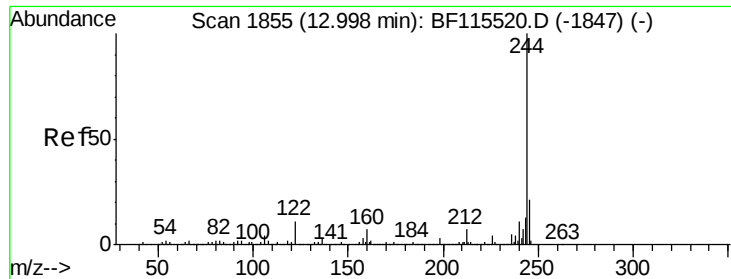
Tot Ion:188 Resp: 668275  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.8 11.6  
80 10.4 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

Tgt Ion:240 Resp: 520954  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.6 13.0  
236 27.2 21.3 31.9





#79

Terphenyl-d14

Concen: 71.860 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Instrument :

BNA\_F

ClientSampleId :

PWU-3

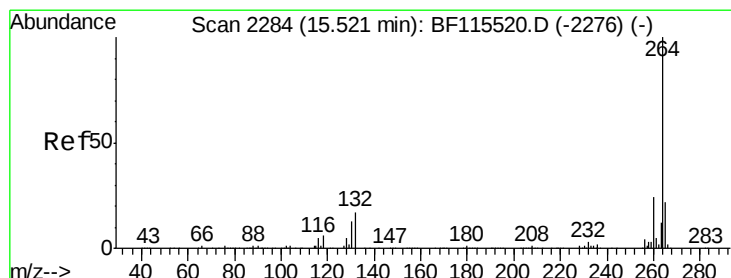
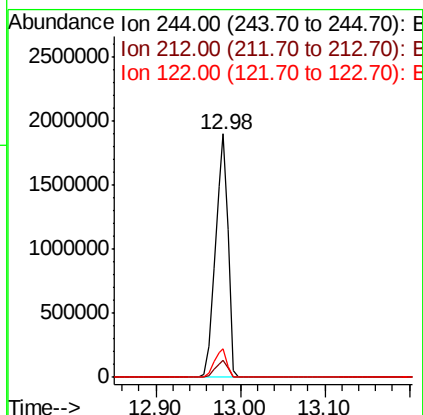
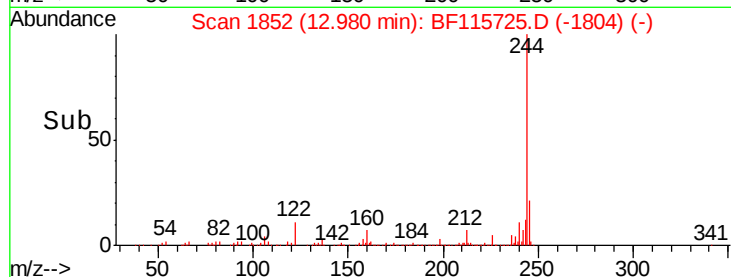
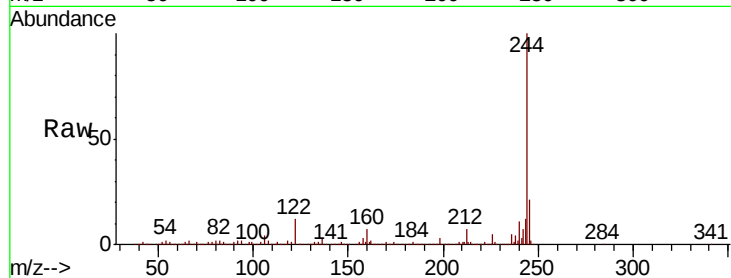
Tot Ion:244 Resp: 2028844

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.5 8.6 12.8



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Tgt Ion:264 Resp: 485060

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.8

265 21.9 17.7 26.5

