

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 04:56:18 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

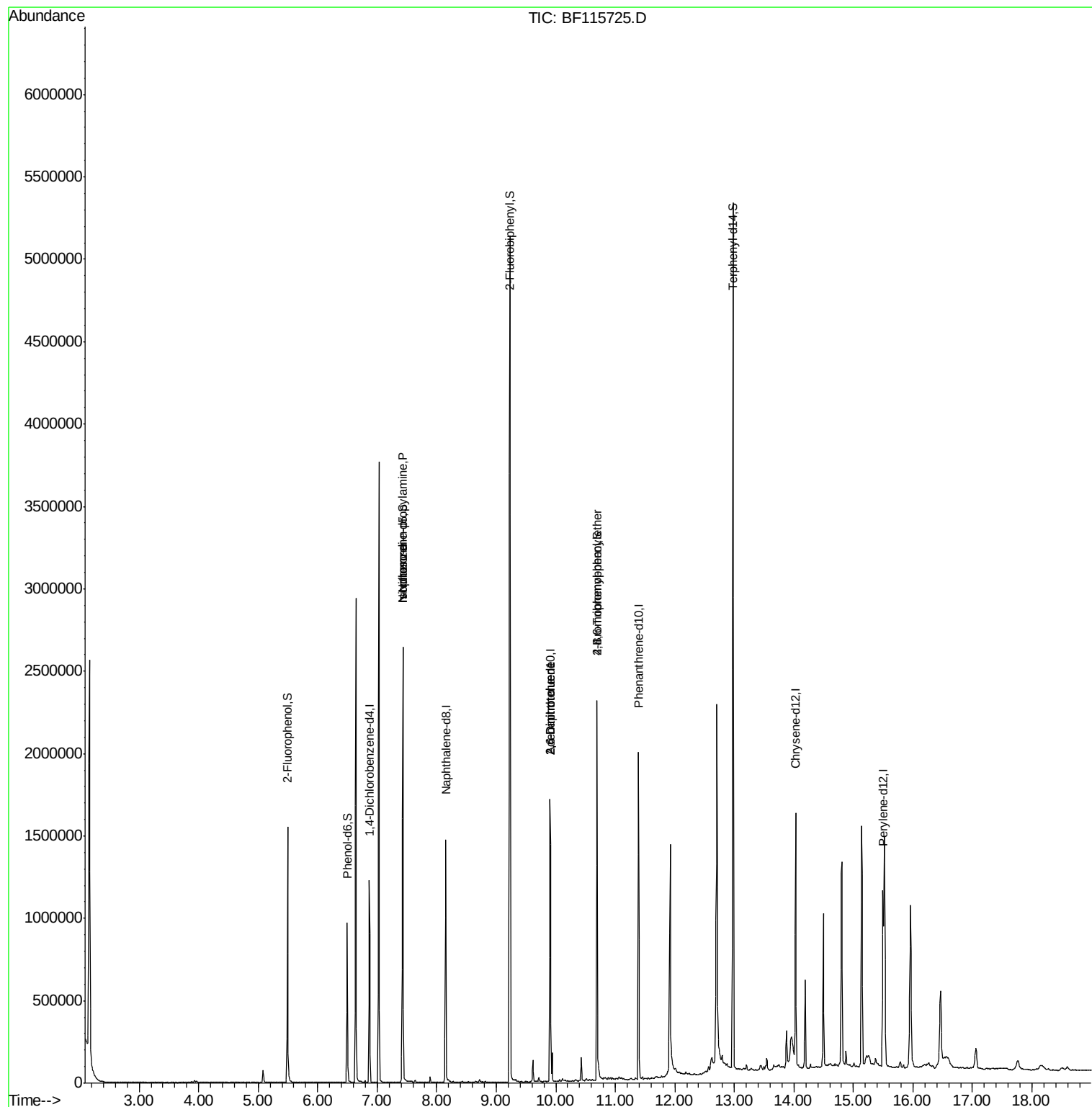
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 170363   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 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               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 137513   | 15.954 | ng    | # 78     |
| 25) Isophorone                 | 7.43  | 82   | 1012847  | 46.451 | ng    | # 64     |
| 51) 2,6-Dinitrotoluene         | 9.90  | 165  | 46731    | 7.588  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 46731    | 5.857  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether  | 10.69 | 248  | 18503    | 2.423  | ng    | # 1      |

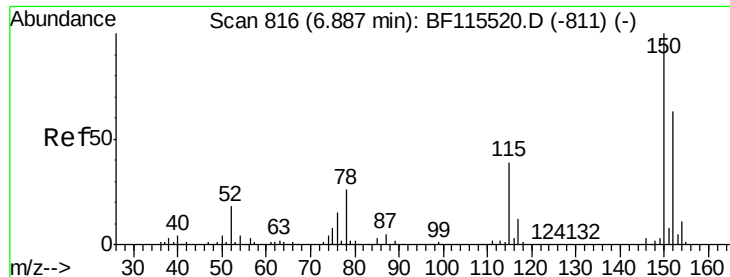
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072319\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

Quant Time: Jul 24 04:56:18 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



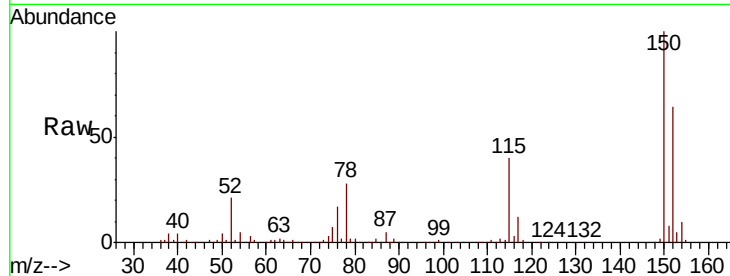


#1

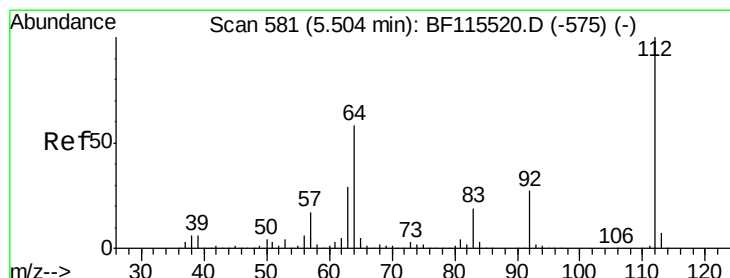
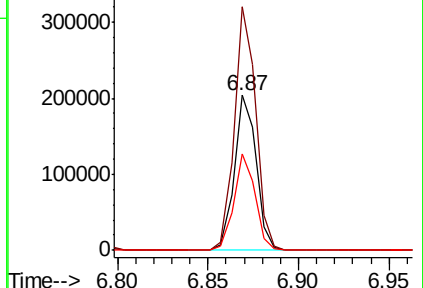
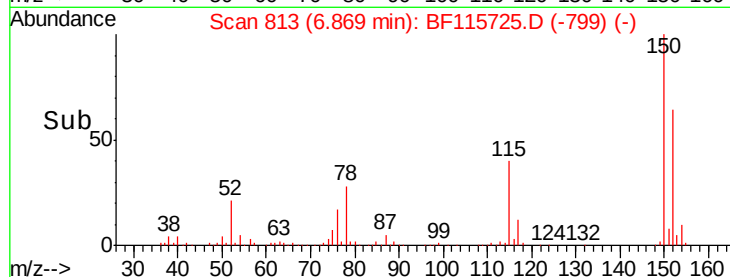
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

Instrument :  
BNA\_F  
ClientSampled :  
PWU-3

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



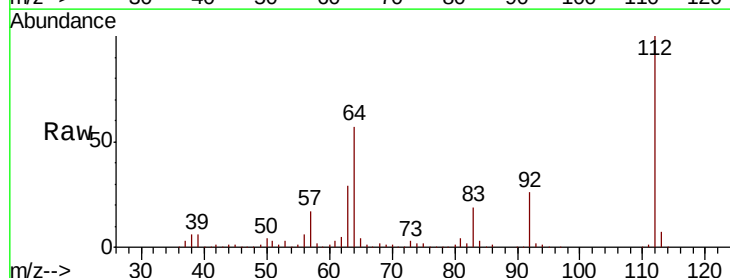
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



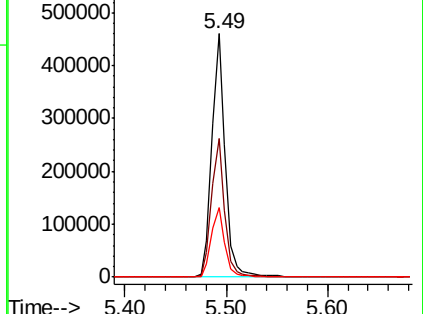
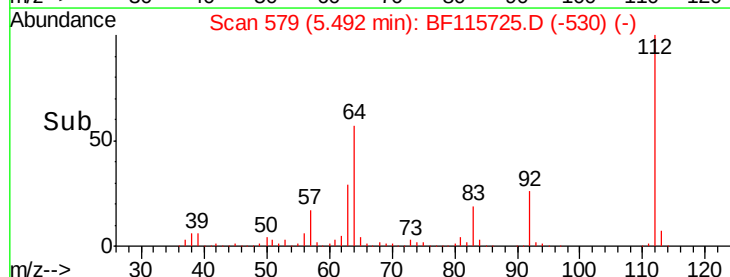
#5

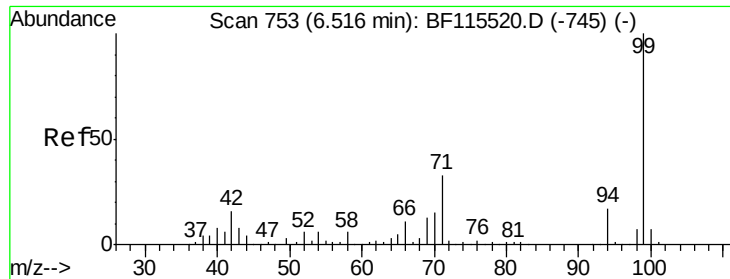
2-Fluorophenol  
Concen: 40.657 ng  
RT: 5.49 min Scan# 579  
Delta R.T. -0.01 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

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

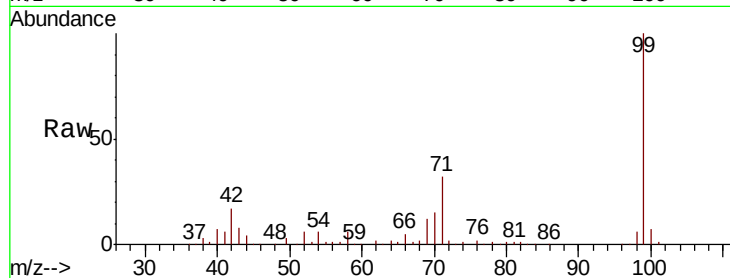
Tgt Ion: 99 Resp: 333642

Ion Ratio Lower Upper

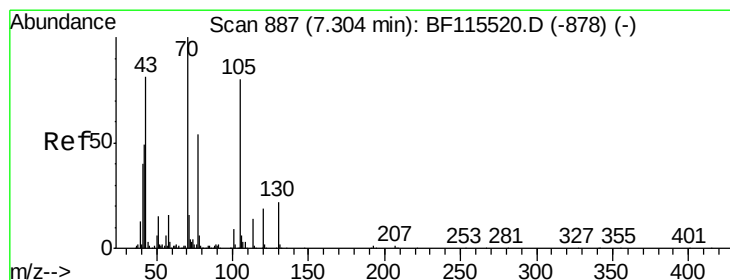
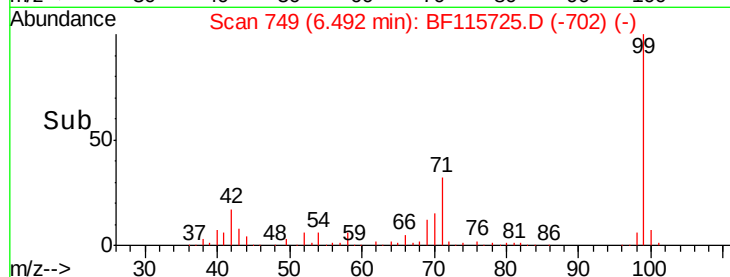
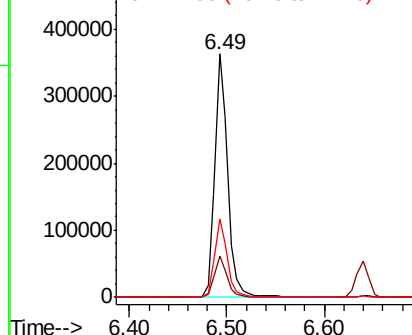
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 15.954 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115725.D

Acq: 23 Jul 2019 18:10

Tgt Ion: 70 Resp: 137513

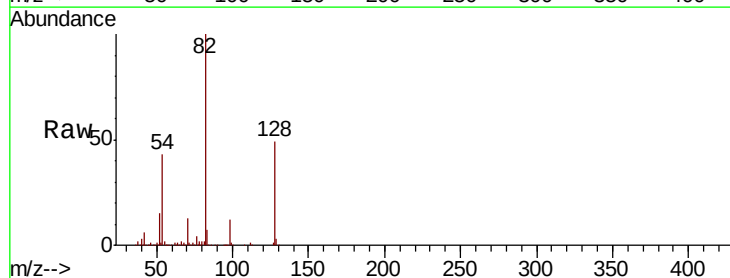
Ion Ratio Lower Upper

70 100

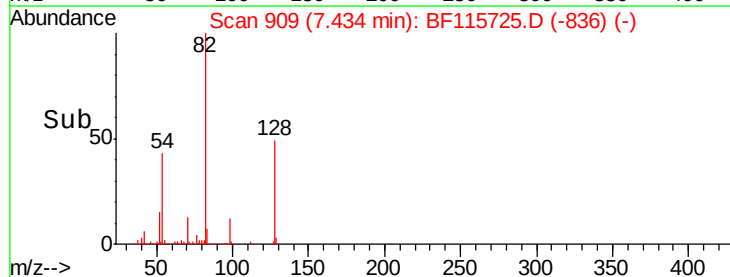
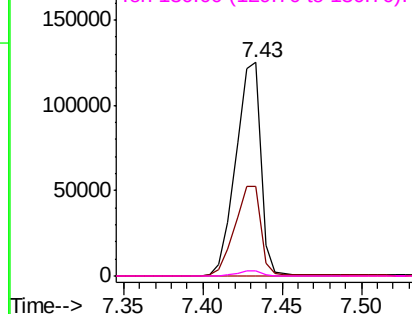
42 41.7 39.6 59.4

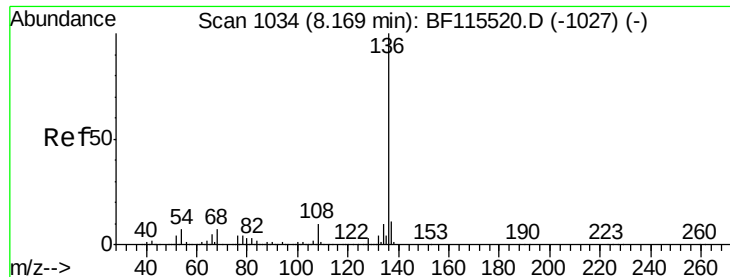
101 0.0 8.1 12.1#

130 2.3 18.2 27.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

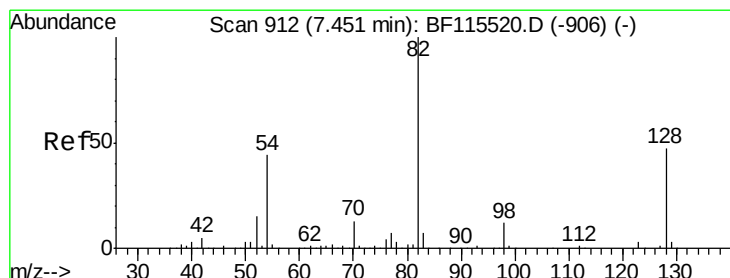
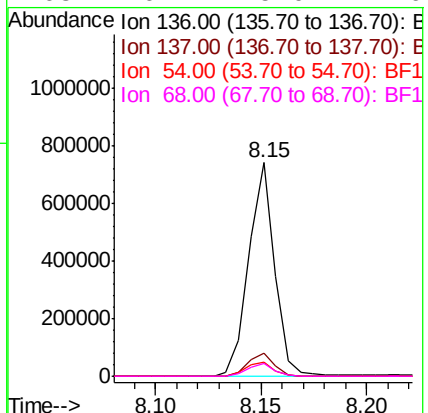
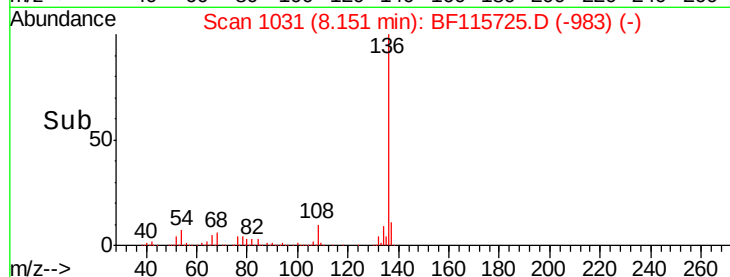
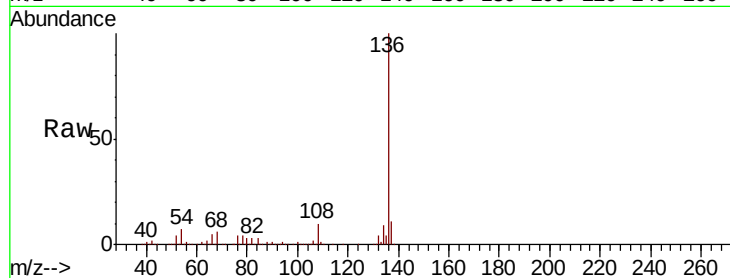




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

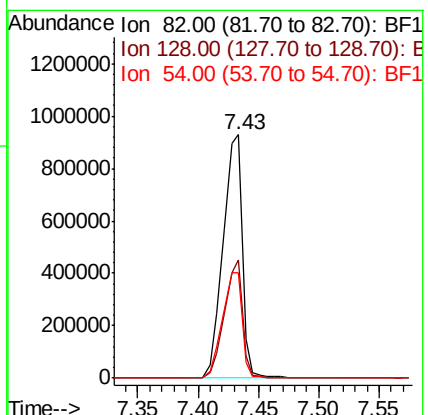
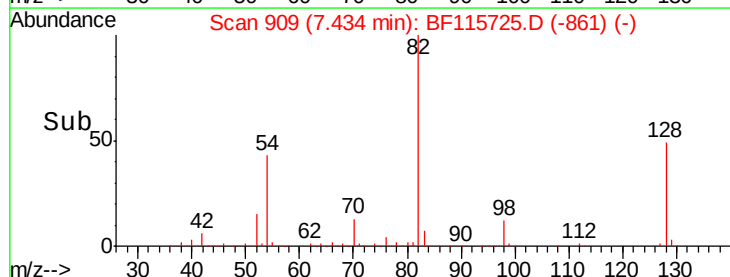
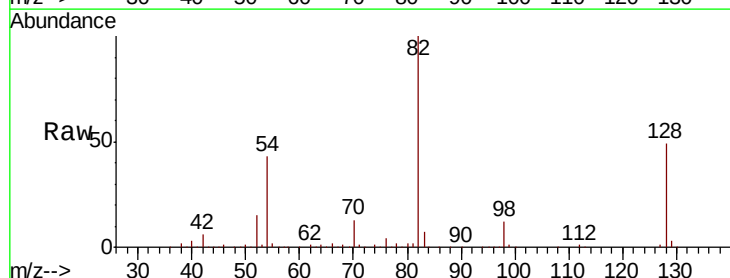
Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

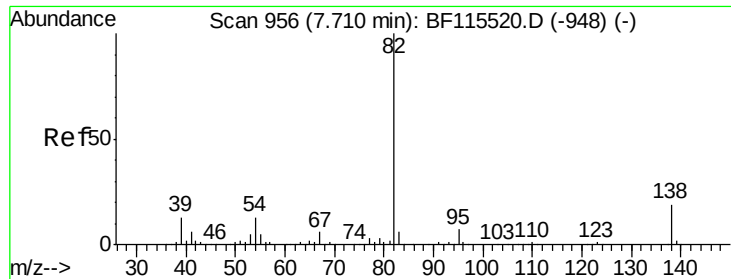
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 633617 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.0   | 13.4   |
| 54       | 6.8   | 5.6   | 8.4    |
| 68       | 6.2   | 5.0   | 7.6    |



#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

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

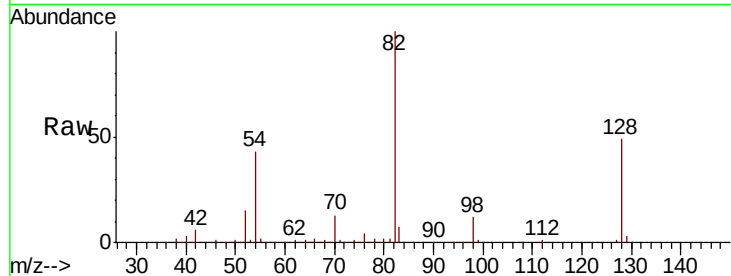




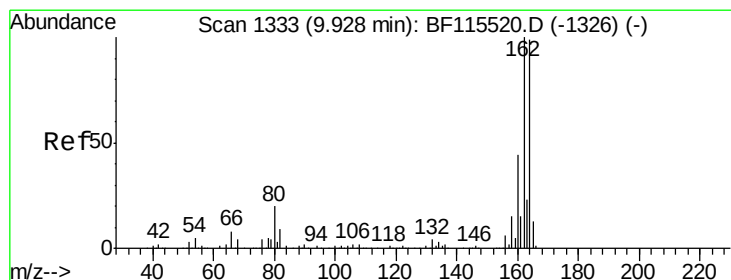
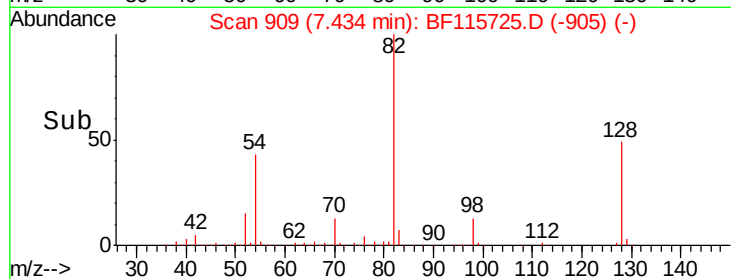
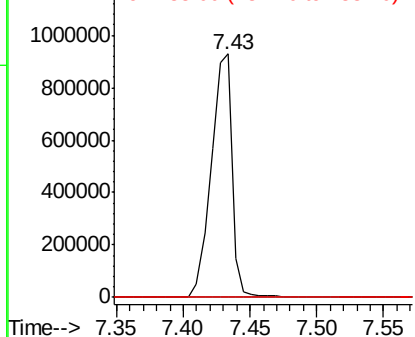
#25  
Isophorone  
Concen: 46.451 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.28 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

Tgt Ion: 82 Resp: 1012847  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.9 22.3#

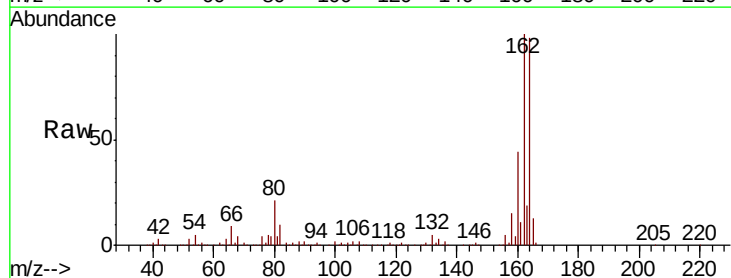


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

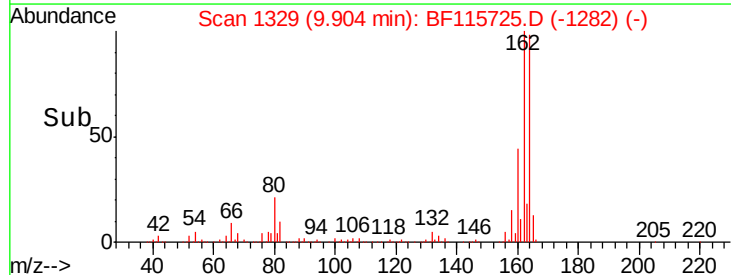
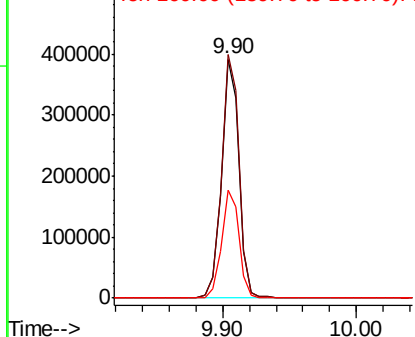


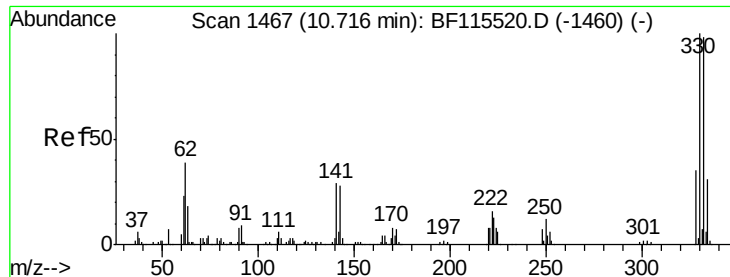
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.90 min Scan# 1329  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

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



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: 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

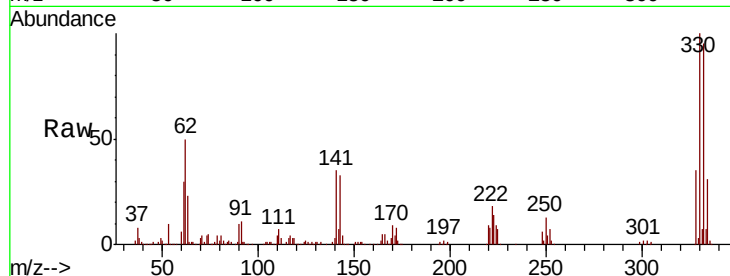
Tgt Ion:330 Resp: 309496

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

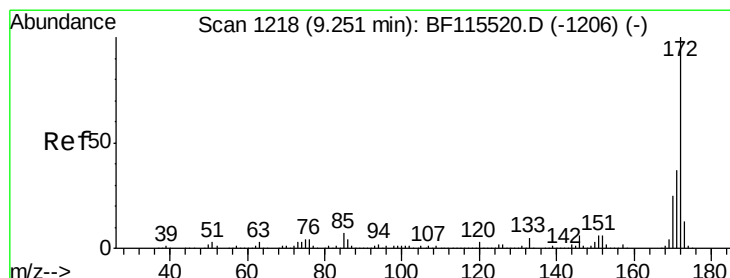
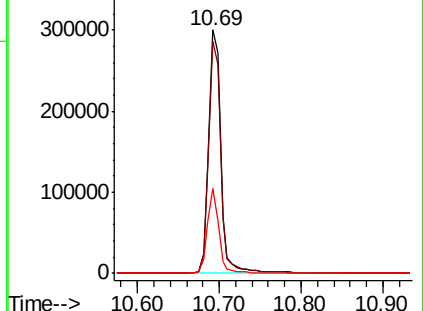
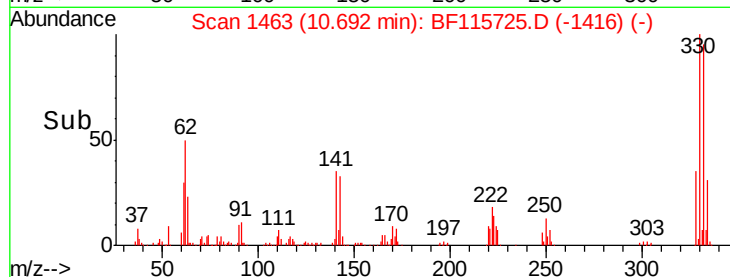
141 33.1 22.4 33.6



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

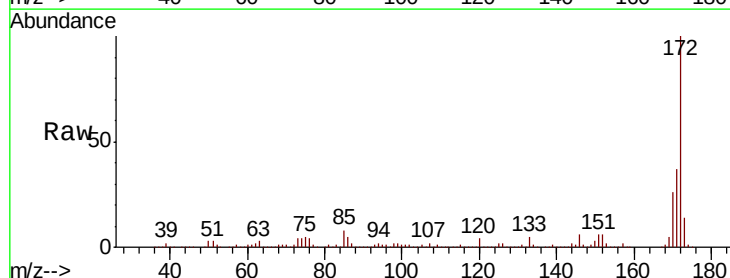
Tgt Ion:172 Resp: 1791735

Ion Ratio Lower Upper

172 100

171 36.9 30.6 46.0

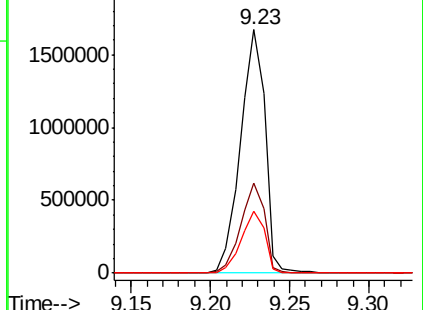
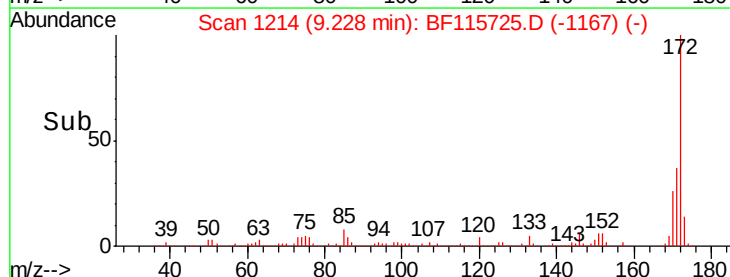
170 25.6 20.5 30.7

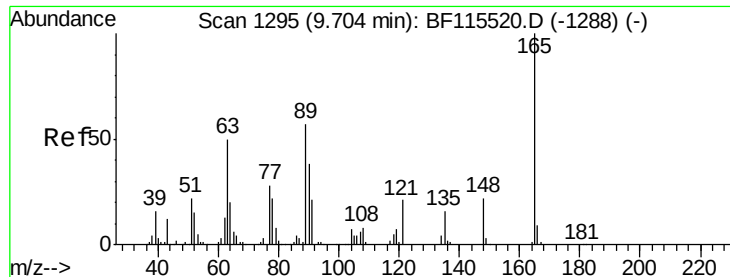


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

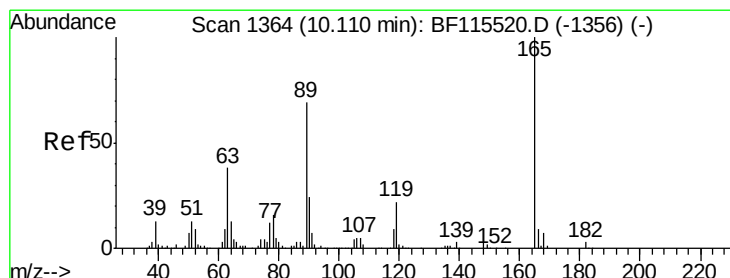
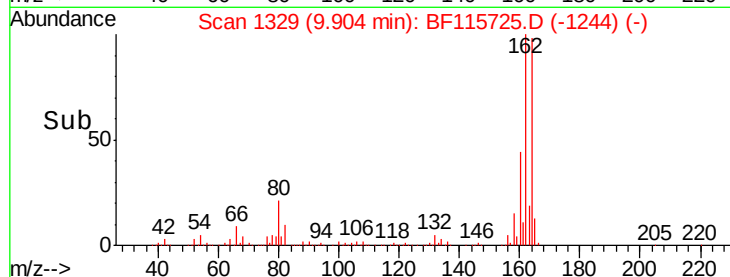
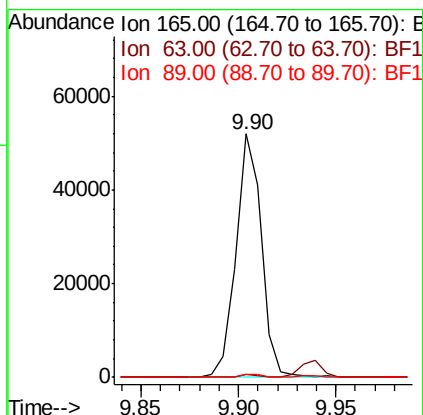
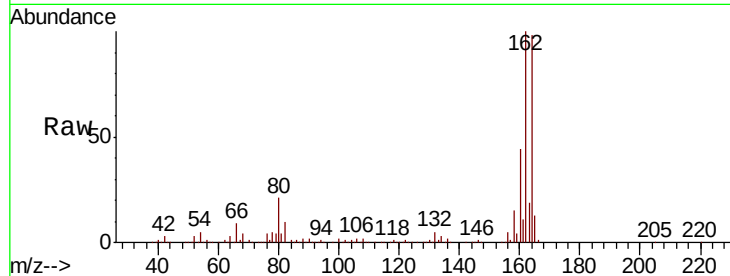




#51  
 2,6-Dinitrotoluene  
 Concen: 7.588 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. 0.20 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

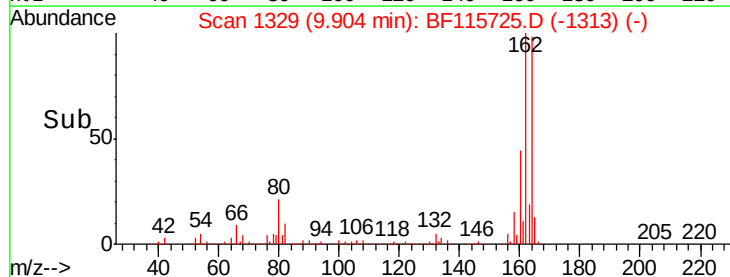
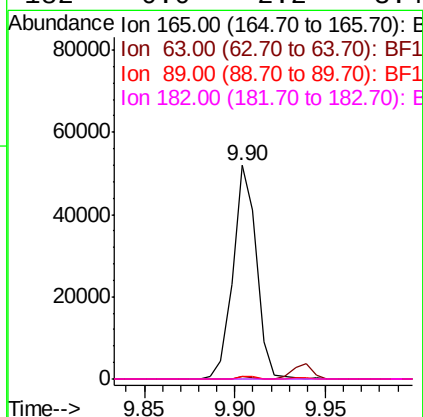
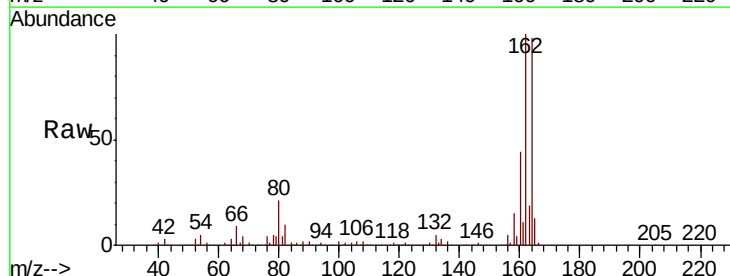
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PWU-3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 40.6  | 61.0# |
| 89      | 1.3   | 43.9  | 65.9# |

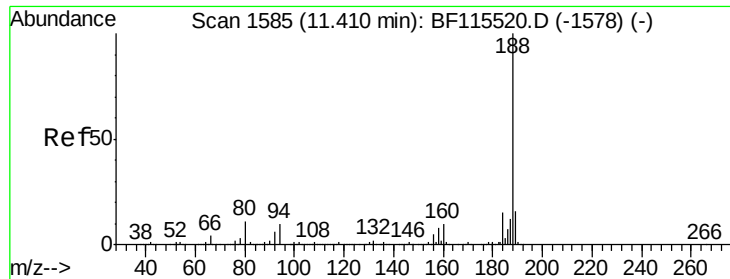


#57  
 2,4-Dinitrotoluene  
 Concen: 5.857 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.21 min  
 Lab File: BF115725.D  
 Acq: 23 Jul 2019 18:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 34.9  | 52.3# |
| 89      | 1.3   | 57.5  | 86.3# |
| 182     | 0.0   | 2.2   | 3.4#  |



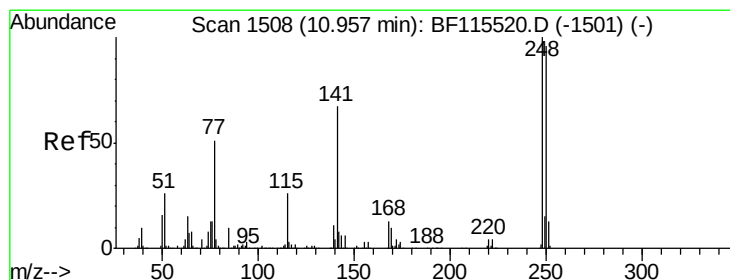
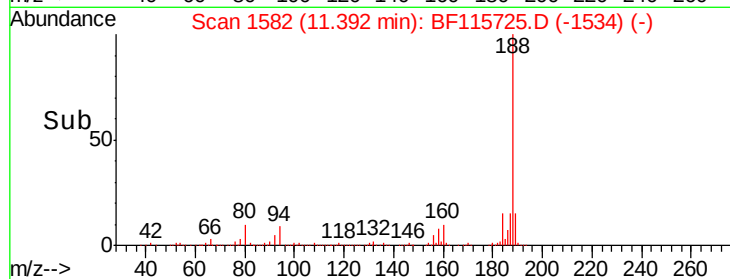
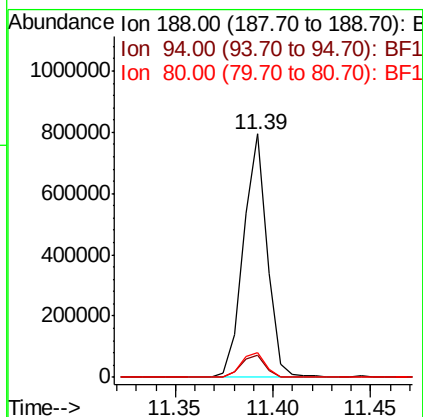
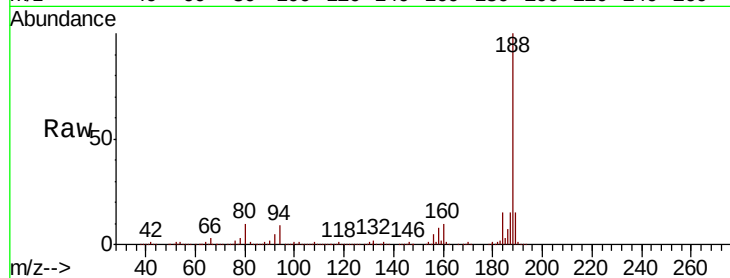




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

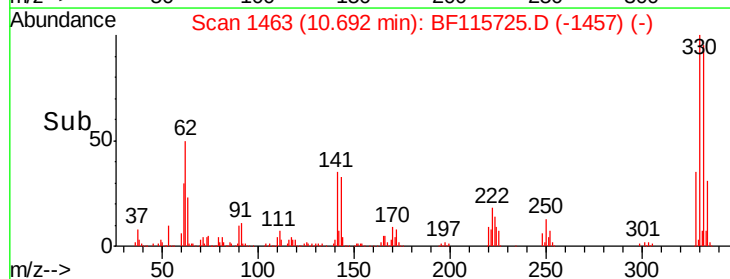
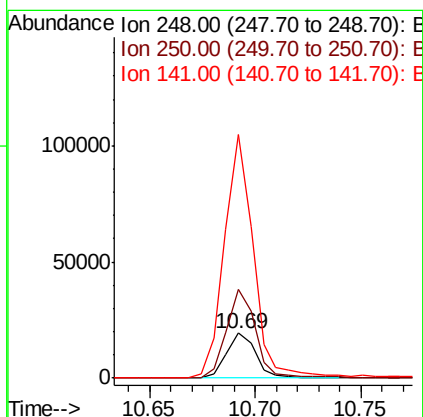
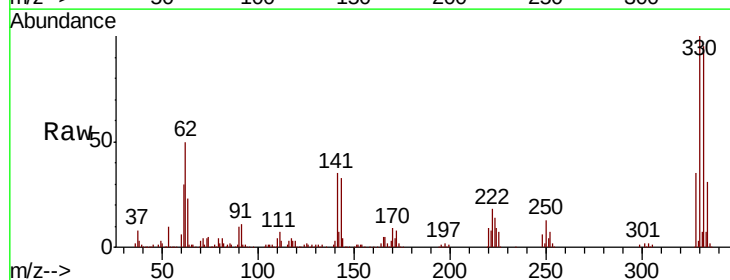
Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

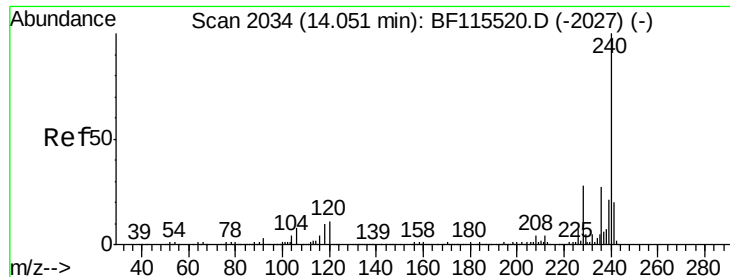
Tgt Ion:188 Resp: 668275  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.8 11.6  
80 10.4 8.6 13.0



#67  
4-Bromophenyl-phenylether  
Concen: 2.423 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. -0.26 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

Tgt Ion:248 Resp: 18503  
Ion Ratio Lower Upper  
248 100  
250 196.7 78.0 117.0#  
141 541.3 57.7 86.5#

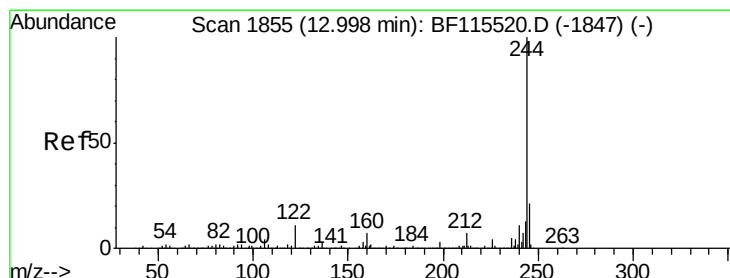
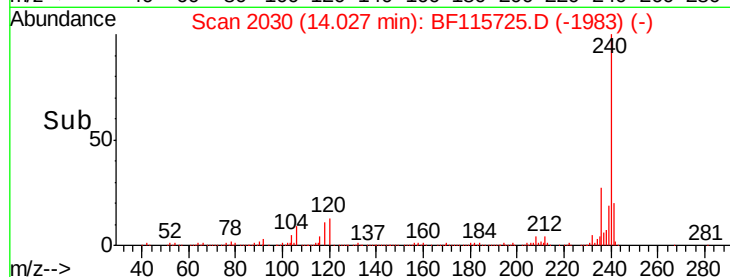
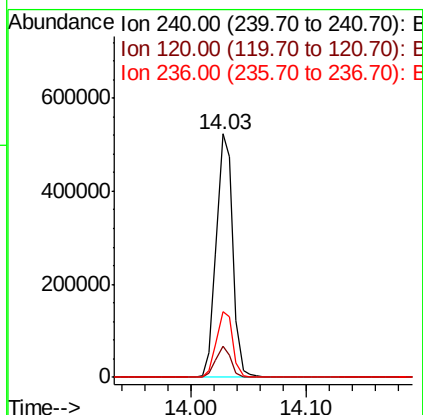
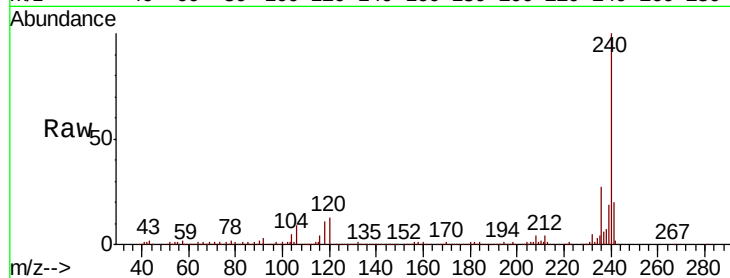




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.02 min  
Lab File: BF115725.D  
Acq: 23 Jul 2019 18:10

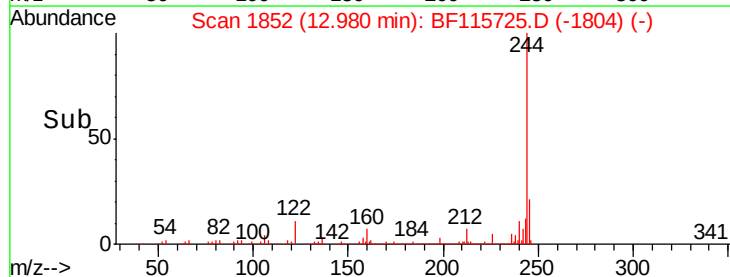
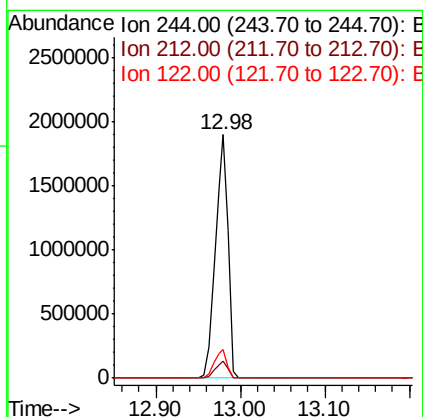
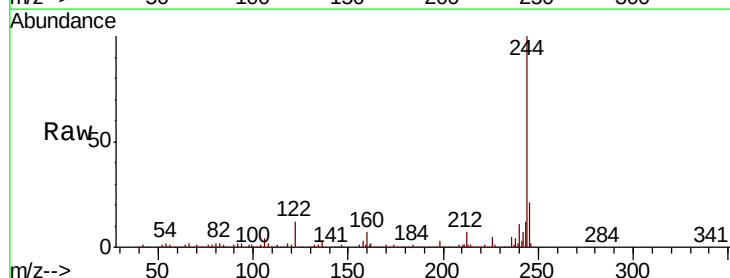
Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

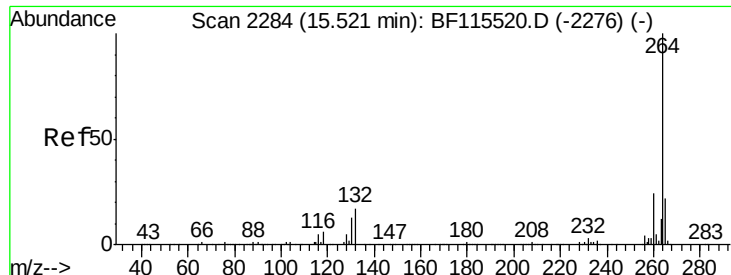
Tgt Ion:240 Resp: 520954  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.6 13.0  
236 27.2 21.3 31.9



#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

Tgt 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

Instrument :  
BNA\_F  
ClientSampleId :  
PWU-3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.8  | 29.8  |
| 265     | 21.9  | 17.7  | 26.5  |

