

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112219\  
 Data File : BF117941.D  
 Acq On : 23 Nov 2019 1:51  
 Operator : JU  
 Sample : K5839-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PHIPPS-BH-SW-01

Quant Time: Nov 23 04:10:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 18:36:07 2019  
 Response via : Initial Calibration

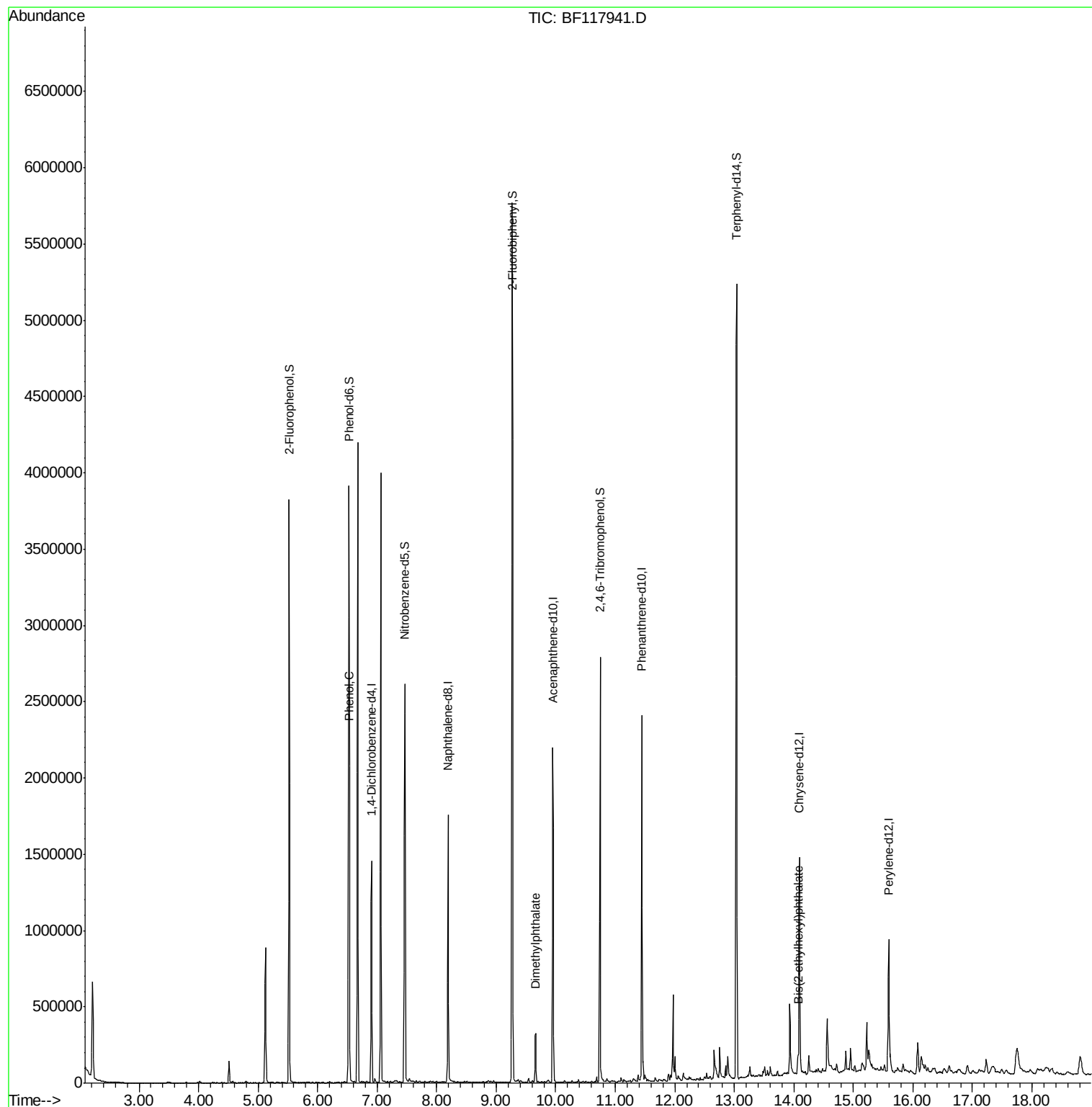
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 211191   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.19  | 136  | 869027   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.95  | 164  | 435117   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.45 | 188  | 801772   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 14.09 | 240  | 432038   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.59 | 264  | 412374   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 1068792  | 89.58  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.53  | 99   | 1495758  | 103.94 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.46  | 82   | 947793   | 64.83  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 10.75 | 330  | 361118   | 78.39  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.27  | 172  | 1857558  | 76.59  | ng    | -0.02    |
| 79) Terphenyl-d14              | 13.04 | 244  | 1904425  | 80.56  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.54  | 94   | 32908    | 2.201  | ng    | 96       |
| 50) Dimethylphthalate          | 9.66  | 163  | 137366   | 4.502  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.07 | 149  | 41812    | 2.300  | ng    | 95       |

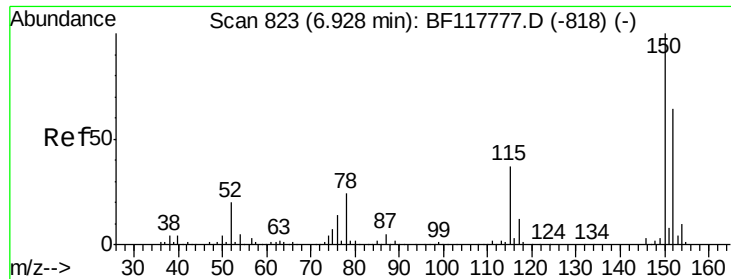
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PHIPPS-BH-SW-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 13 18:36:07 2019  
Response via : Initial Calibration



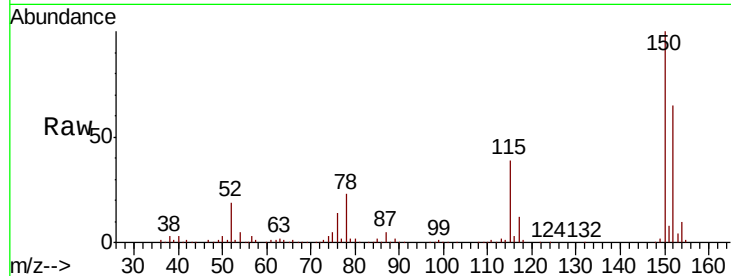


#1

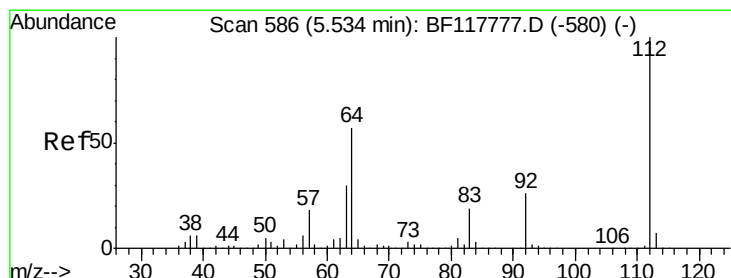
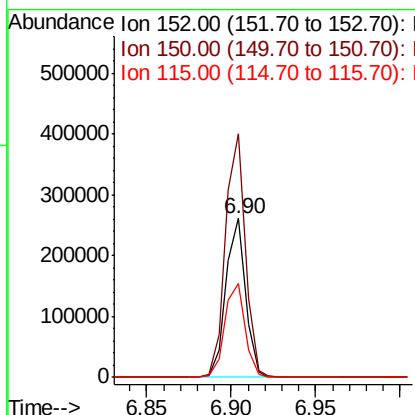
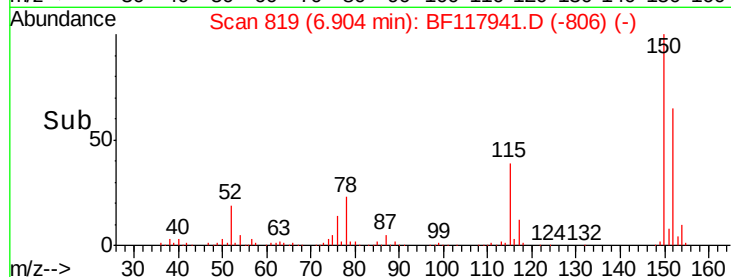
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Instrument :  
BNA\_F  
ClientSampleId :  
PHIPPS-BH-SW-01

Tot Ion:152 Resp: 211191  
Ion Ratio Lower Upper  
152 100  
150 153.5 125.3 187.9  
115 59.5 47.0 70.4



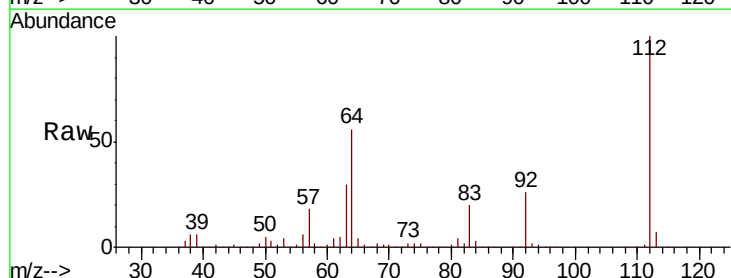
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



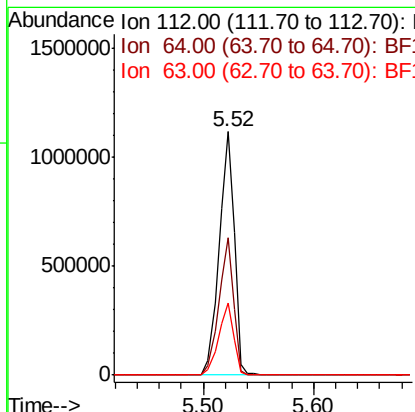
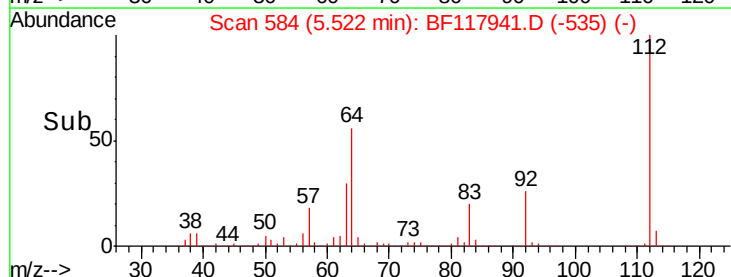
#5

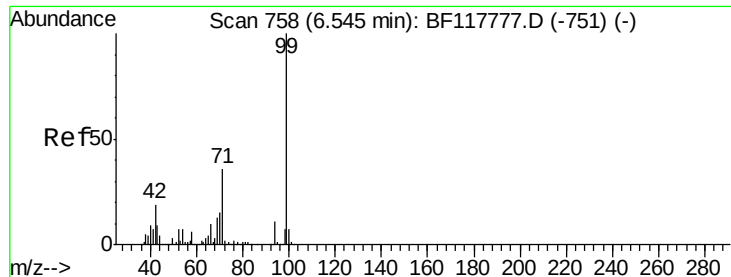
2-Fluorophenol  
Concen: 89.581 ng  
RT: 5.52 min Scan# 584  
Delta R.T. -0.01 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Tgt Ion:112 Resp: 1068792  
Ion Ratio Lower Upper  
112 100  
64 56.5 45.6 68.4  
63 29.9 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: 103.939 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117941.D

Acq: 23 Nov 2019 1:51

Instrument :

BNA\_F

ClientSampleId :

PHIPPS-BH-SW-01

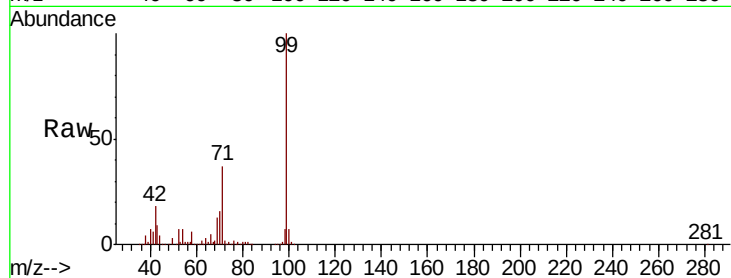
Tot Ion: 99 Resp: 1495758

Ion Ratio Lower Upper

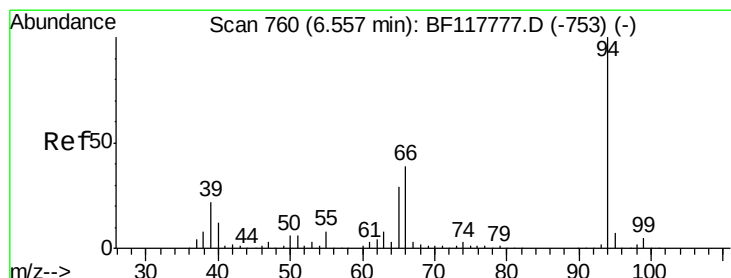
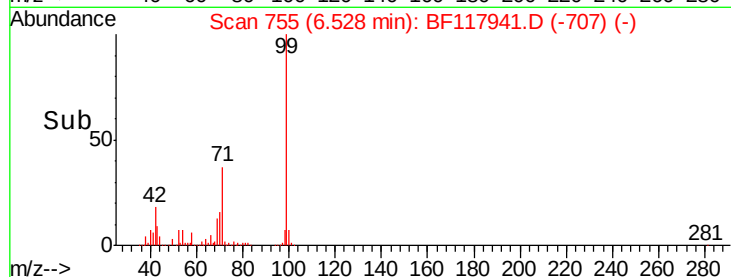
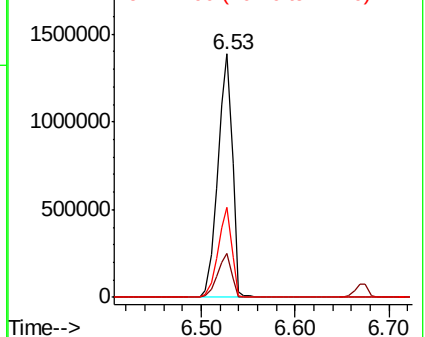
99 100

42 17.9 14.9 22.3

71 36.8 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



#10

Phenol

Concen: 2.201 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117941.D

Acq: 23 Nov 2019 1:51

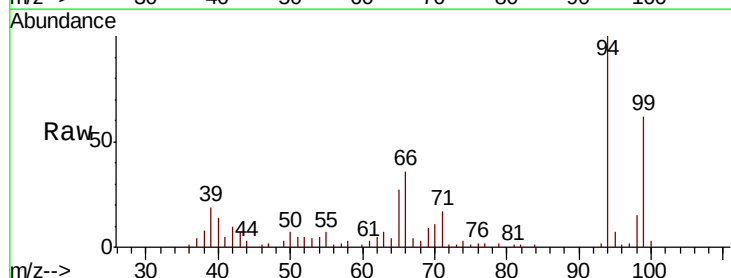
Tgt Ion: 94 Resp: 32908

Ion Ratio Lower Upper

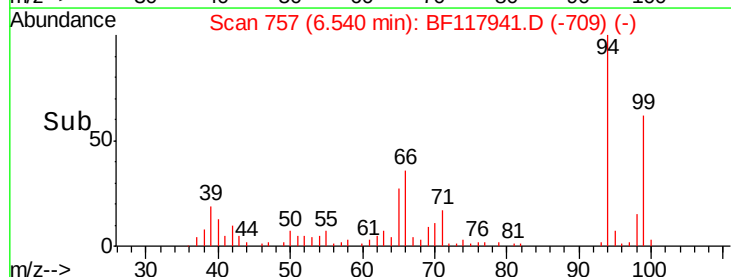
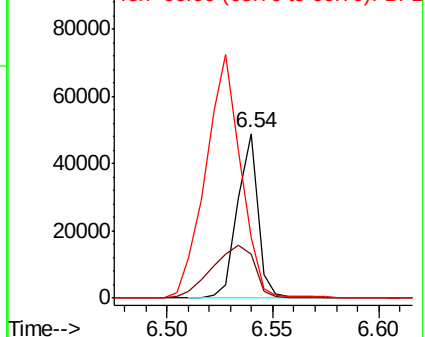
94 100

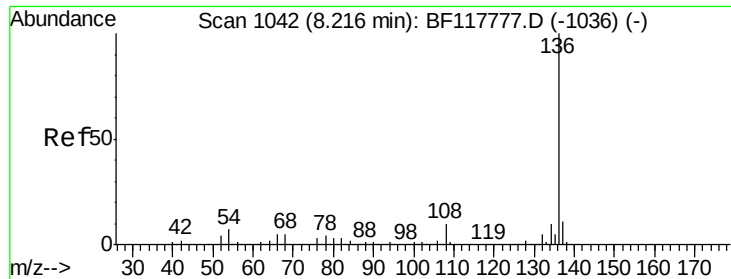
65 26.7 8.9 48.9

66 36.4 18.7 58.7



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

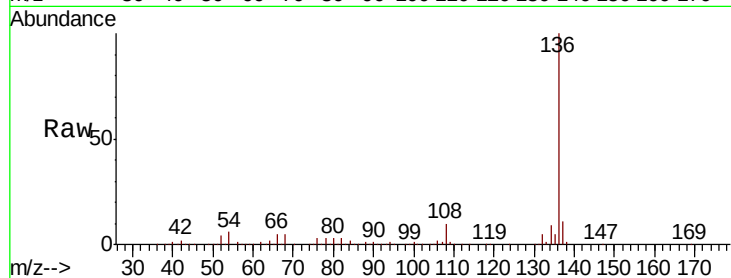




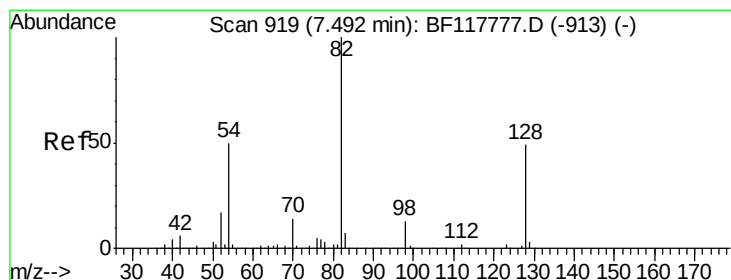
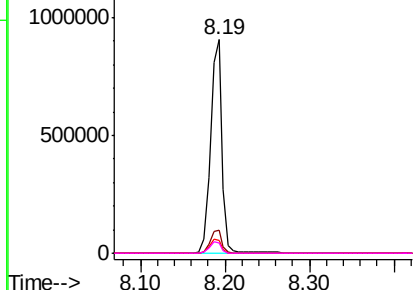
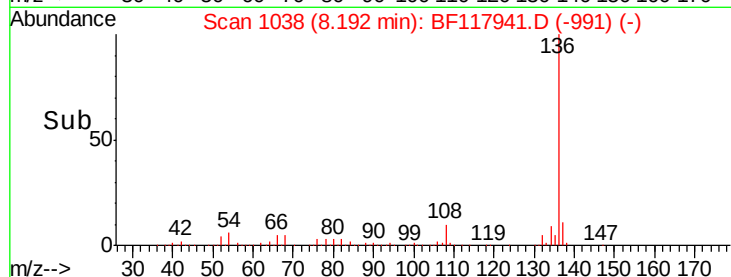
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Instrument :  
BNA\_F  
ClientSampleId :  
PHIPPS-BH-SW-01

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 869027 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.8    | 9.0   | 13.4   |  |
| 54 6.3      | 5.4   | 8.2    |  |
| 68 4.9      | 4.3   | 6.5    |  |

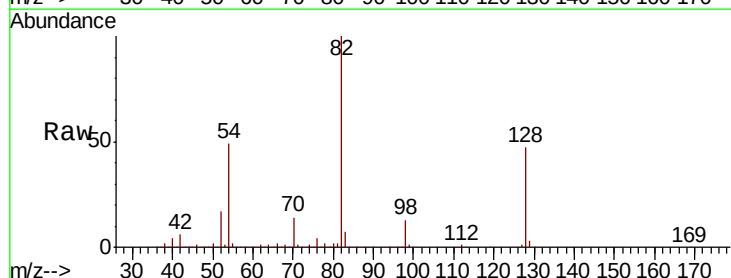


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

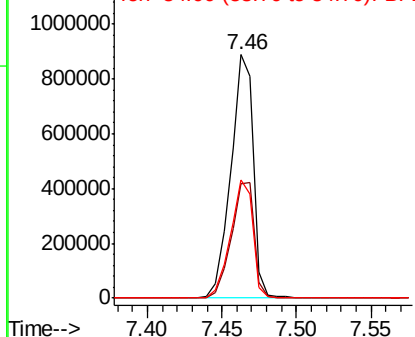
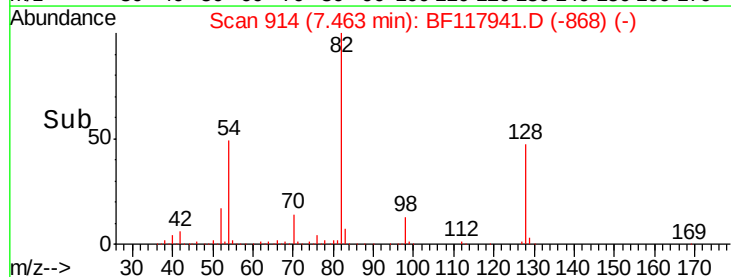


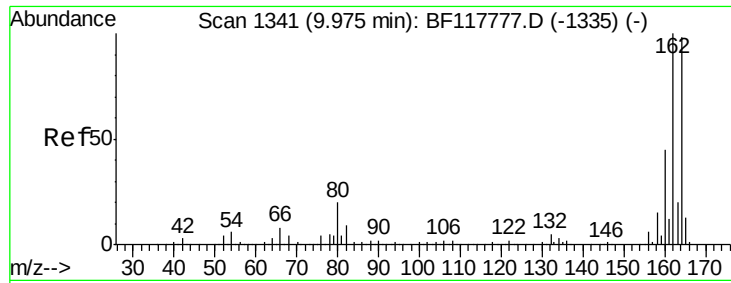
#23  
Nitrobenzene-d5  
Concen: 64.834 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.03 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 947793 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 47.1    | 38.9 58.3    |
| 54 48.8     | 39.8 59.6    |



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

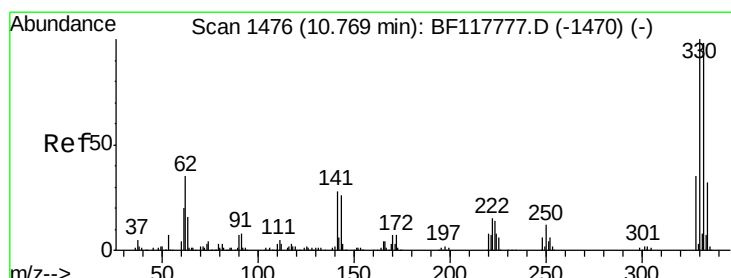
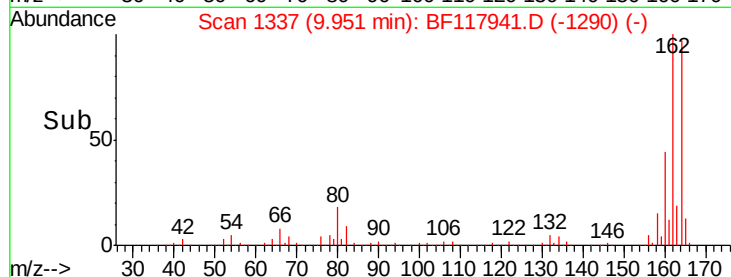
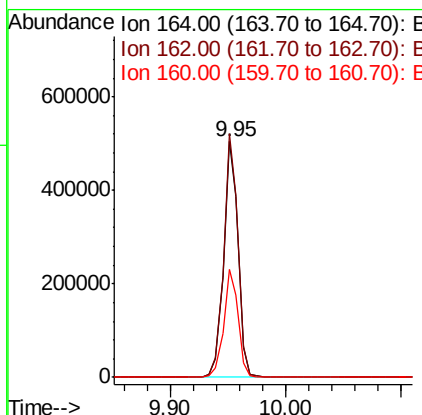
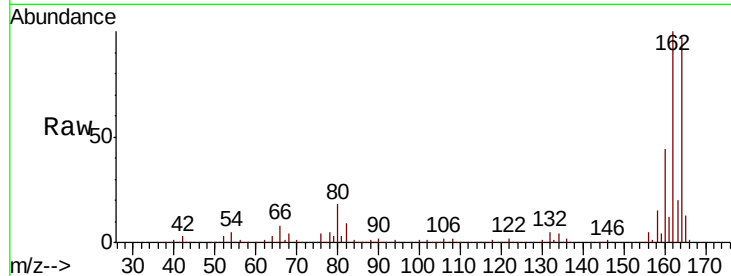




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.02 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

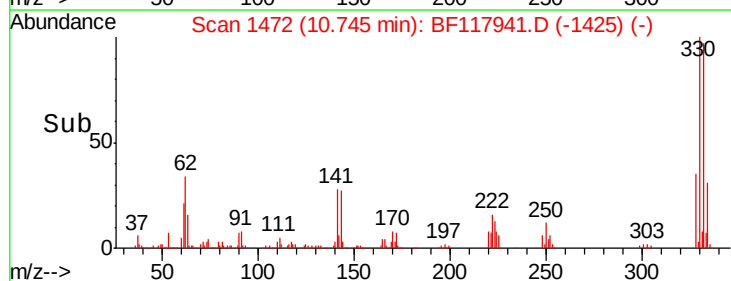
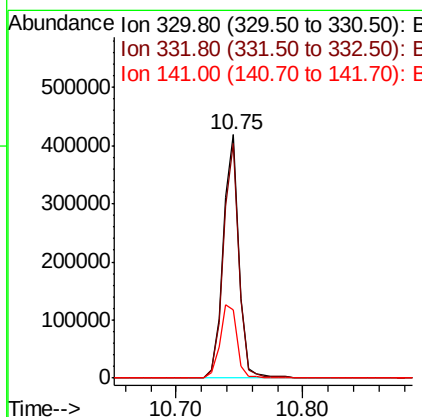
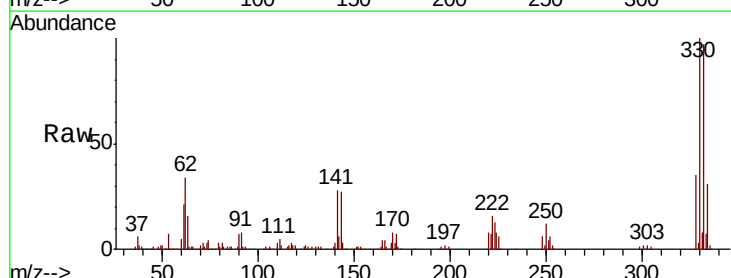
Instrument :  
BNA\_F  
ClientSampleId :  
PHIPPS-BH-SW-01

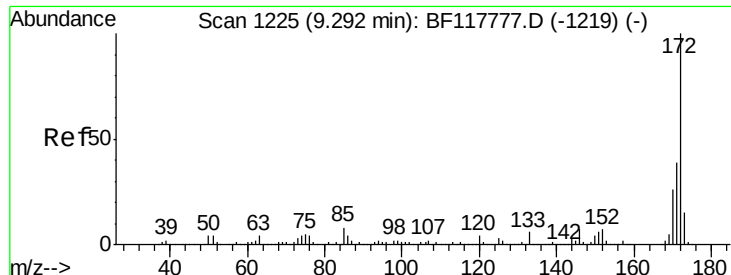
Tot Ion:164 Resp: 435117  
Ion Ratio Lower Upper  
164 100  
162 103.3 81.3 121.9  
160 45.8 36.6 55.0



#42  
2,4,6-Tribromophenol  
Concen: 78.393 ng  
RT: 10.75 min Scan# 1472  
Delta R.T. -0.02 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Tgt Ion:330 Resp: 361118  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.7 115.1  
141 33.5 27.7 41.5

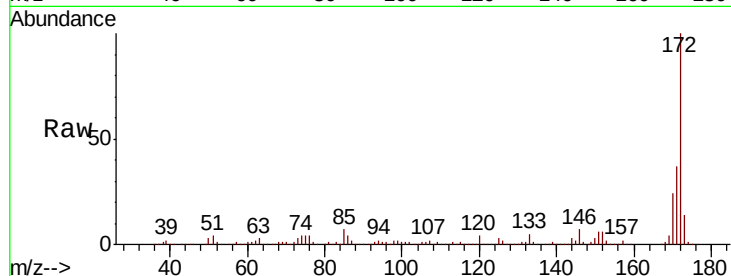




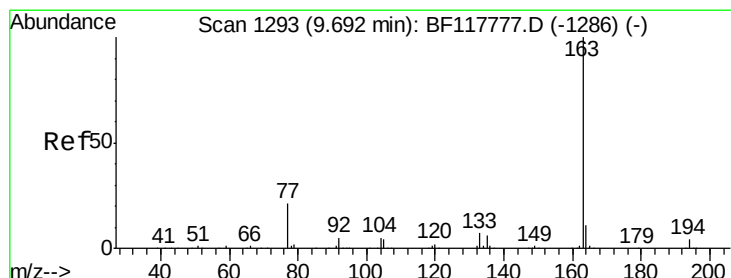
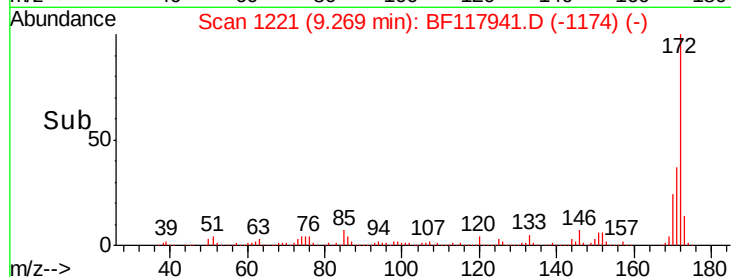
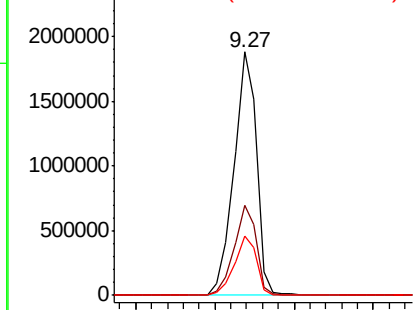
#45  
2-Fluorobiphenyl  
Concen: 76.589 ng  
RT: 9.27 min Scan# 1221  
Delta R.T. -0.02 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Instrument :  
BNA\_F  
ClientSampleId :  
PHIPPS-BH-SW-01

Tot Ion:172 Resp: 1857558  
Ion Ratio Lower Upper  
172 100  
171 36.8 30.9 46.3  
170 24.5 21.0 31.4

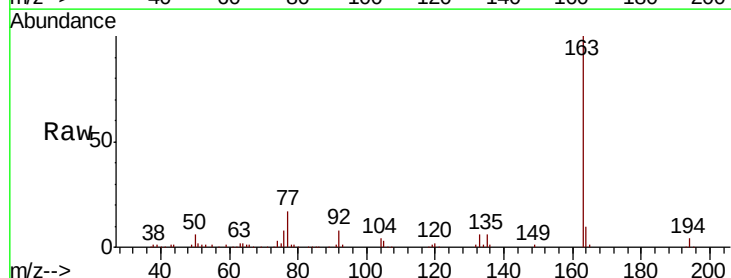


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

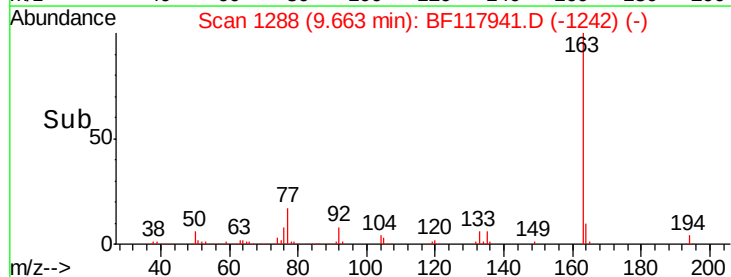
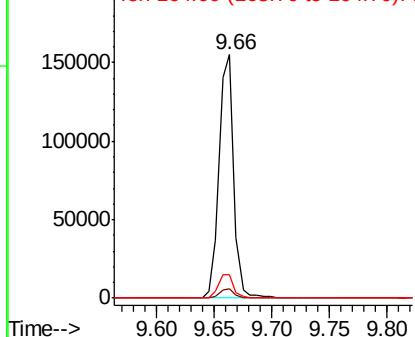


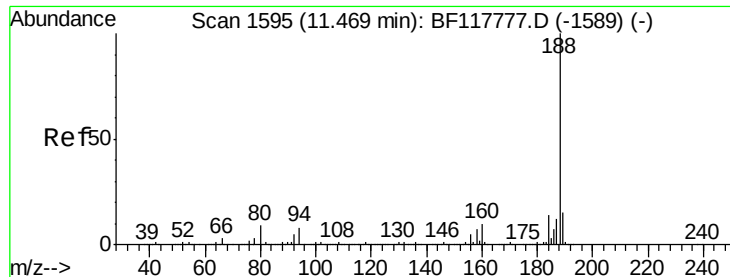
#50  
Dimethylphthalate  
Concen: 4.502 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. -0.03 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Tgt Ion:163 Resp: 137366  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.8 8.7 13.1



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: 11.45 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF117941.D

Acq: 23 Nov 2019 1:51

Instrument :

BNA\_F

ClientSampleId :

PHIPPS-BH-SW-01

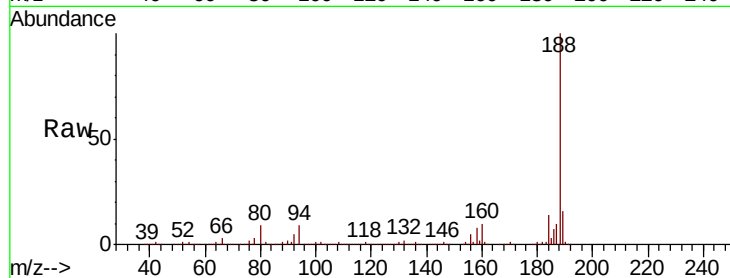
Tot Ion:188 Resp: 801772

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

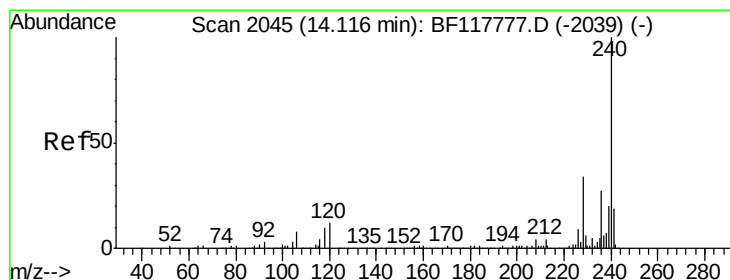
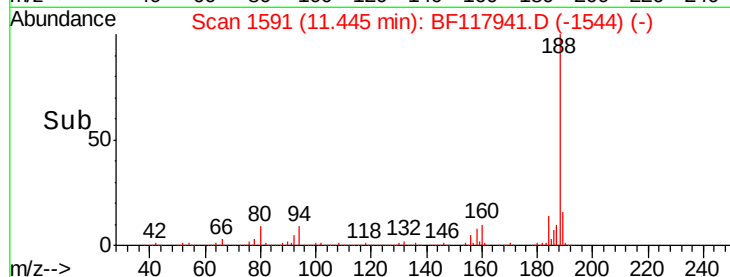
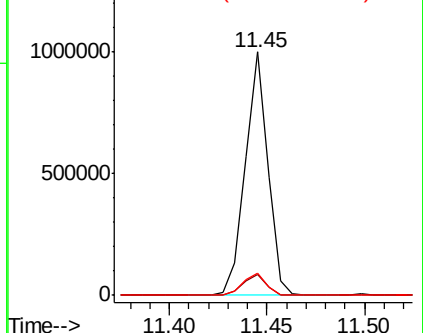
80 9.4 7.2 10.8



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: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF117941.D

Acq: 23 Nov 2019 1:51

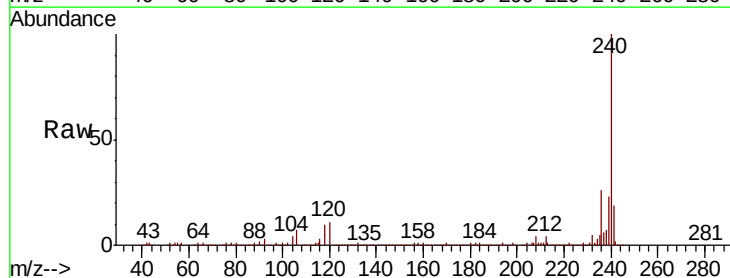
Tgt Ion:240 Resp: 432038

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

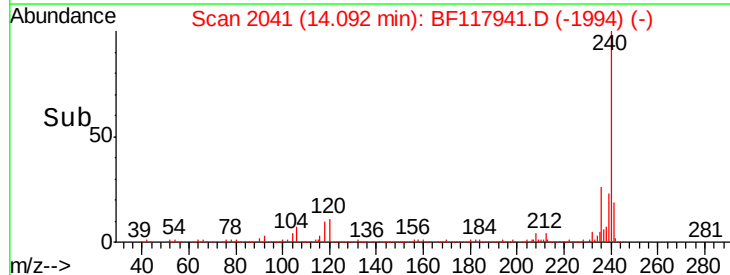
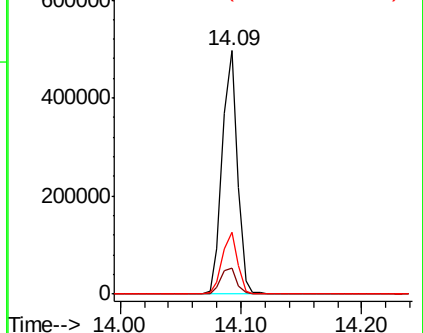
236 25.7 21.3 31.9



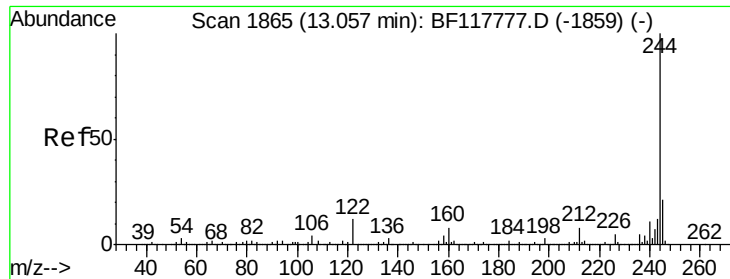
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



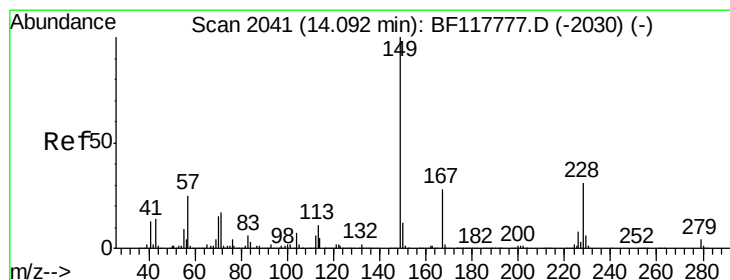
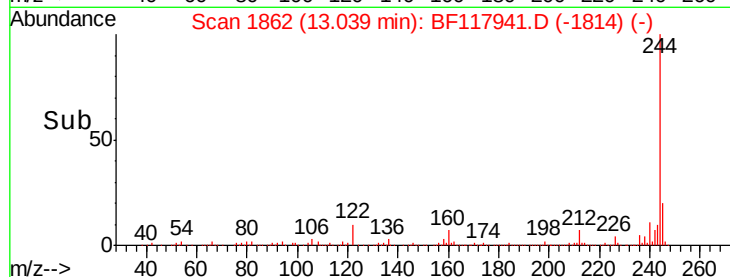
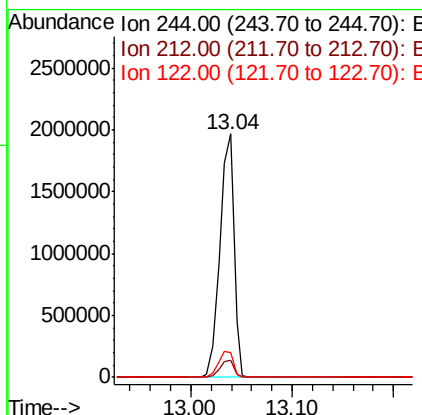
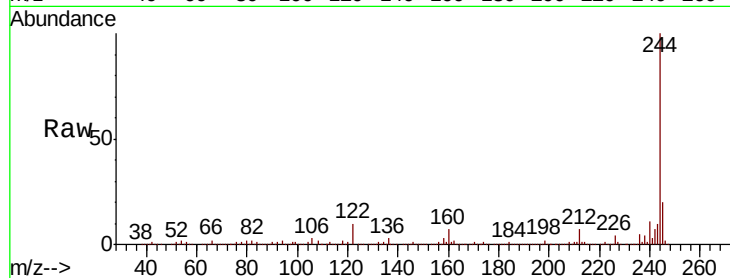




#79  
 Terphenyl-d14  
 Concen: 80.561 ng  
 RT: 13.04 min Scan# 1862  
 Delta R.T. -0.02 min  
 Lab File: BF117941.D  
 Acq: 23 Nov 2019 1:51

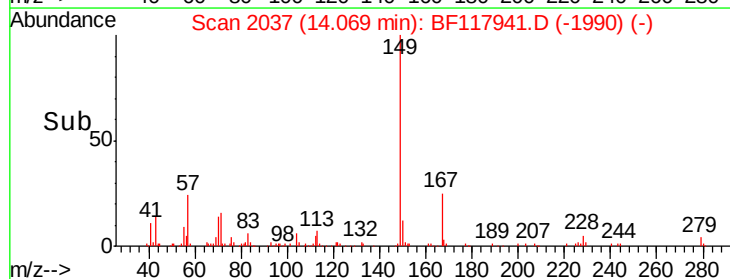
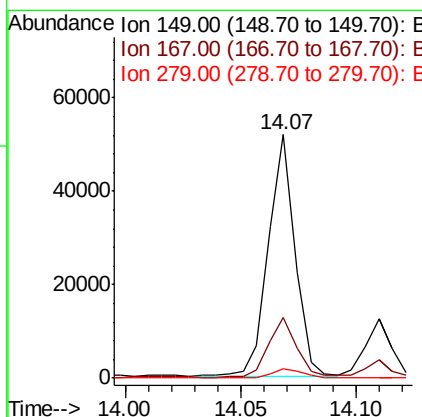
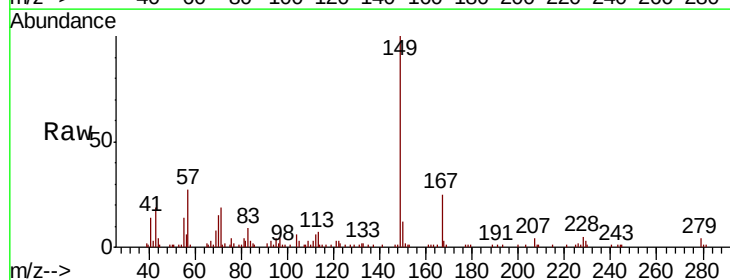
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PHIPPS-BH-SW-01

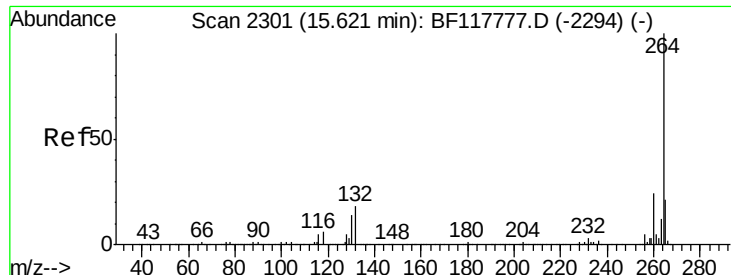
Tot Ion:244 Resp: 1904425  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.3 9.5  
 122 10.1 9.4 14.2



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.300 ng  
 RT: 14.07 min Scan# 2037  
 Delta R.T. -0.02 min  
 Lab File: BF117941.D  
 Acq: 23 Nov 2019 1:51

Tgt Ion:149 Resp: 41812  
 Ion Ratio Lower Upper  
 149 100  
 167 25.0 22.2 33.2  
 279 3.7 3.4 5.2





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.59 min Scan# 2296  
Delta R.T. -0.03 min  
Lab File: BF117941.D  
Acq: 23 Nov 2019 1:51

Instrument :  
BNA\_F  
ClientSampleId :  
PHIPPS-BH-SW-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.4  | 29.0  |
| 265     | 20.7  | 17.1  | 25.7  |

