

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\  
 Data File : BF115766.D  
 Acq On : 25 Jul 2019 19:07  
 Operator : HP/JU  
 Sample : K3990-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-B

Quant Time: Jul 26 05:58:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 25 13:16:07 2019  
 Response via : Initial Calibration

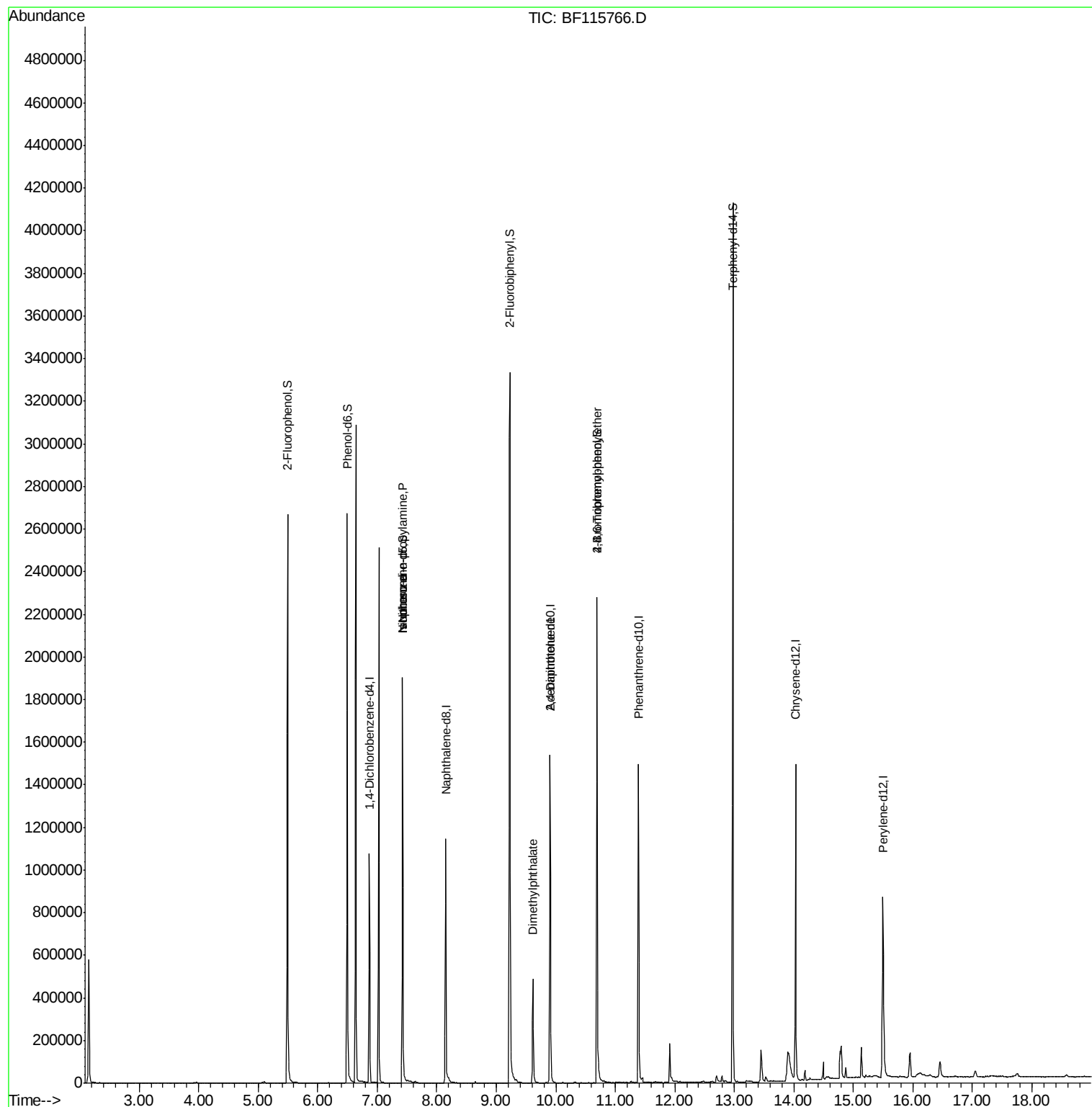
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 143978   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 567352   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.90  | 164  | 315768   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.39 | 188  | 601519   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.03 | 240  | 484665   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.50 | 264  | 469136   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 775872   | 88.15  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.50  | 99   | 1027338  | 91.98  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 637192   | 65.30  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 319565   | 86.70  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.23  | 172  | 1183324  | 65.59  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 1505574  | 57.32  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 85724    | 11.768 | ng    | # 79     |
| 25) Isophorone                 | 7.43  | 82   | 637187   | 32.635 | ng    | # 65     |
| 50) Dimethylphthalate          | 9.62  | 163  | 217246   | 9.144  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 40617    | 5.807  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether  | 10.69 | 248  | 18937    | 2.755  | ng    | # 1      |

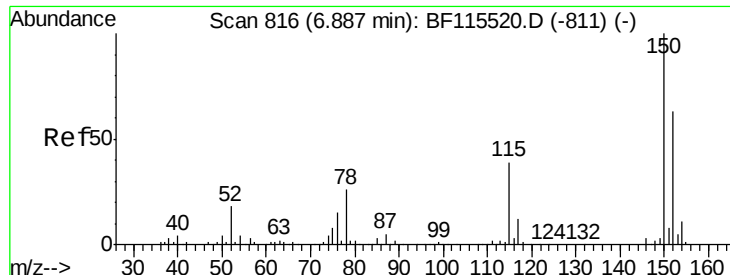
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\  
Data File : BF115766.D  
Acq On : 25 Jul 2019 19:07  
Operator : HP/JU  
Sample : K3990-08  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-B

Quant Time: Jul 26 05:58:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 25 13:16:07 2019  
Response via : Initial Calibration



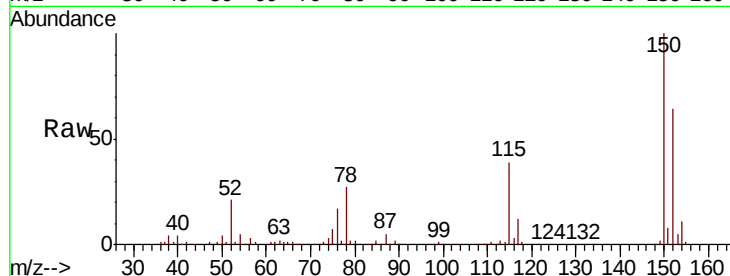


#1

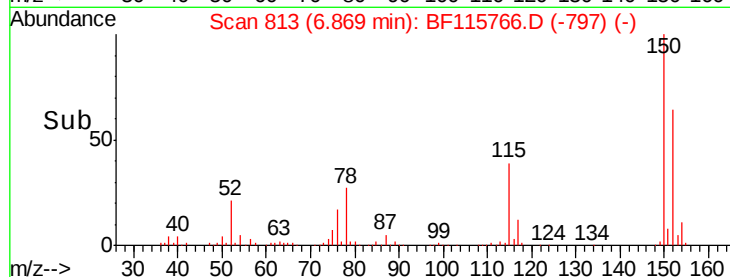
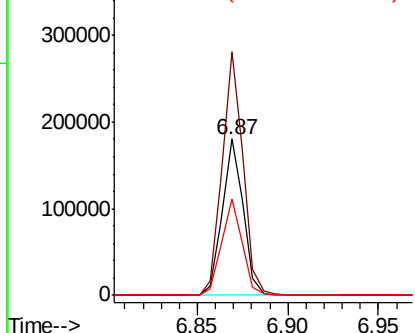
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF115766.D  
 Acq: 25 Jul 2019 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-B

Tot Ion:152 Resp: 143978  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 126.6 189.8  
 115 61.3 47.8 71.6



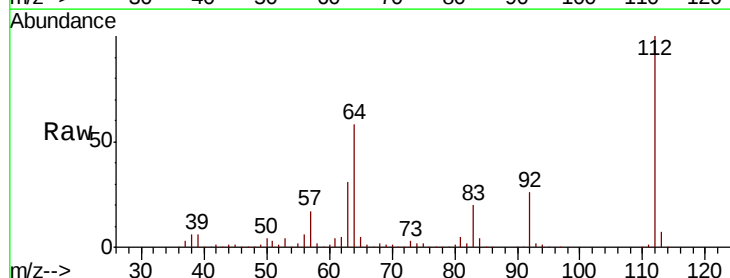
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



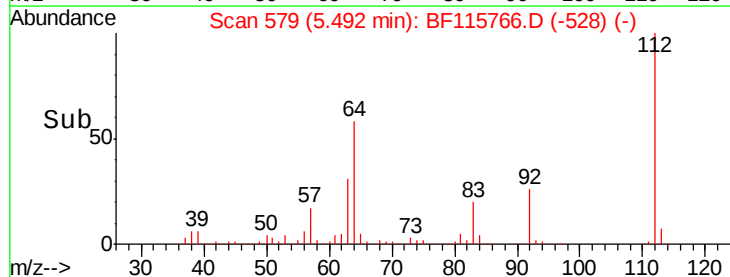
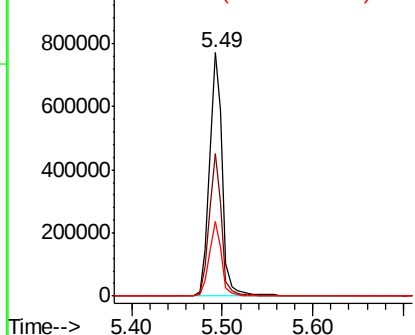
#5

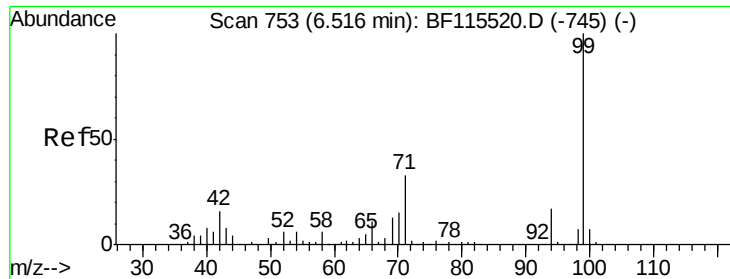
2-Fluorophenol  
 Concen: 88.146 ng  
 RT: 5.49 min Scan# 579  
 Delta R.T. -0.00 min  
 Lab File: BF115766.D  
 Acq: 25 Jul 2019 19:07

Tgt Ion:112 Resp: 775872  
 Ion Ratio Lower Upper  
 112 100  
 64 58.4 45.8 68.8  
 63 30.6 23.6 35.4



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: 91.982 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Instrument :

BNA\_F

ClientSampled :

TP-4-B

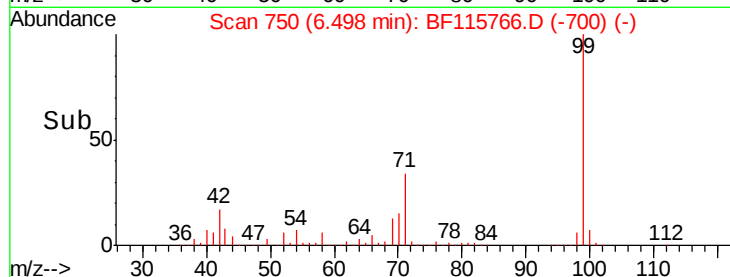
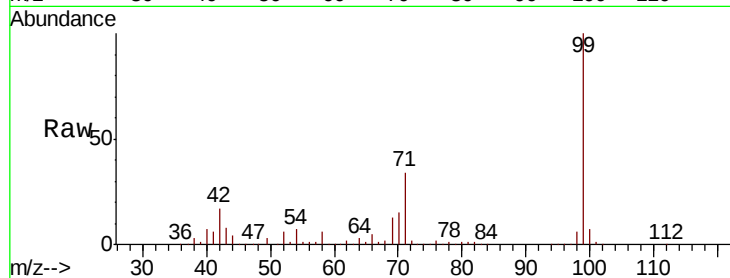
Tot Ion: 99 Resp: 1027338

Ion Ratio Lower Upper

99 100

42 17.0 13.4 20.2

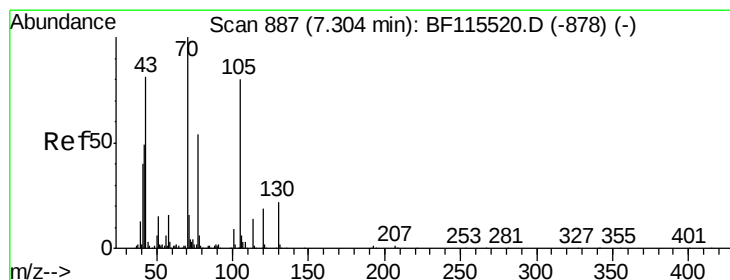
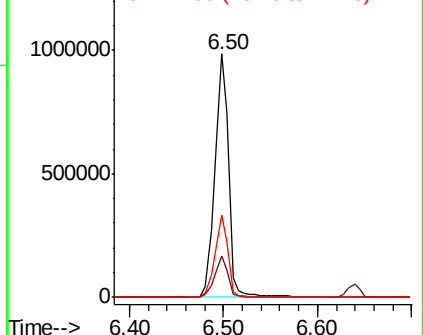
71 33.7 26.7 40.1



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: 11.768 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Tgt Ion: 70 Resp: 85724

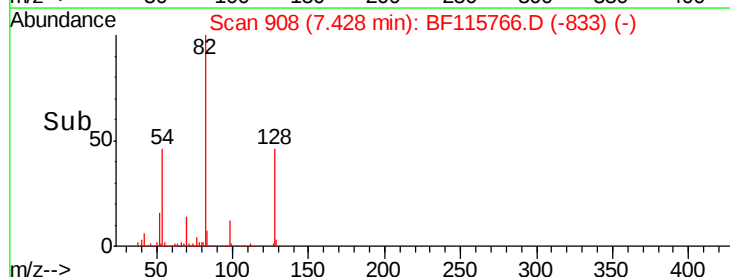
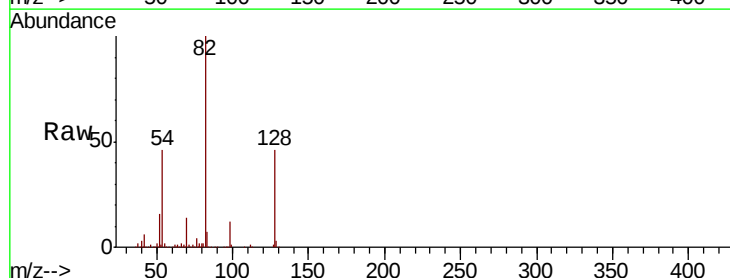
Ion Ratio Lower Upper

70 100

42 43.3 41.8 62.8

101 0.0 7.6 11.4#

130 2.5 16.9 25.3#

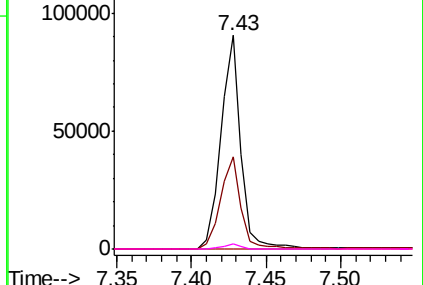


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

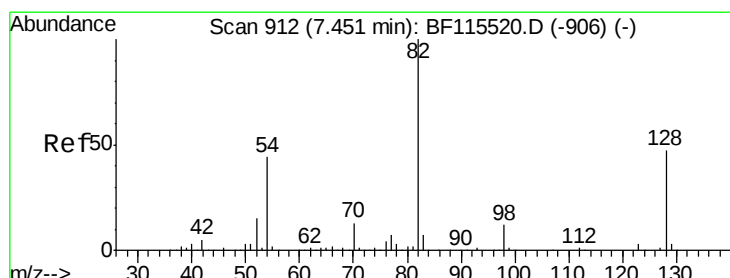
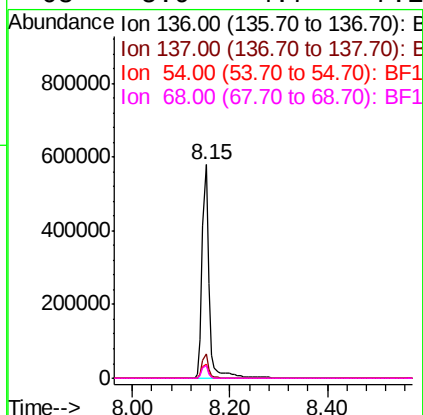
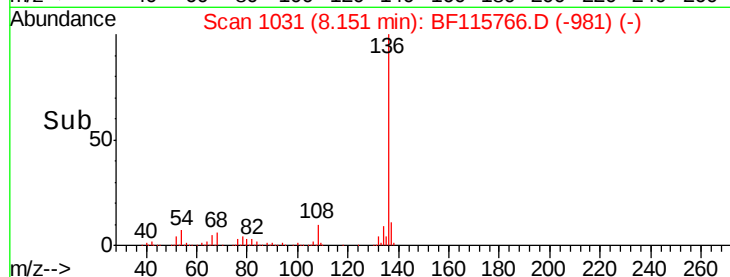
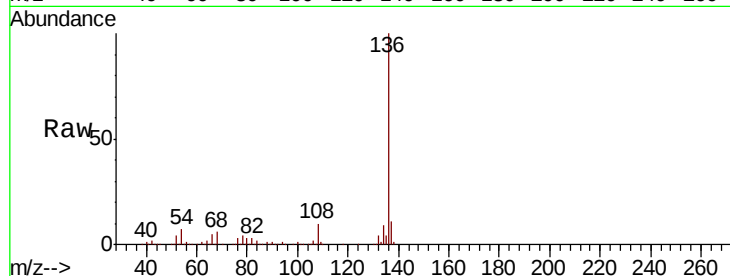




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF115766.D  
Acq: 25 Jul 2019 19:07

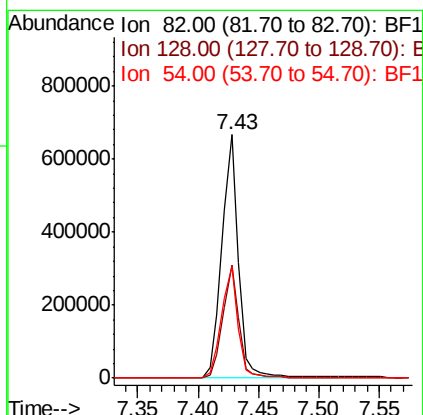
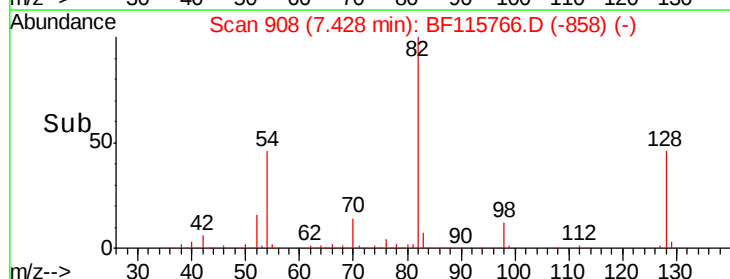
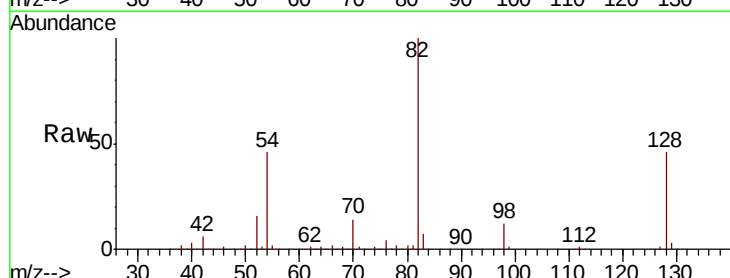
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-B

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 567352 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.2    | 8.7   | 13.1   |  |
| 54 6.6      | 5.0   | 7.6    |  |
| 68 5.9      | 4.7   | 7.1    |  |



#23  
Nitrobenzene-d5  
Concen: 65.304 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF115766.D  
Acq: 25 Jul 2019 19:07

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 637192 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 46.2    | 36.6  | 55.0   |
| 54  | 45.8    | 36.6  | 54.8   |





#25

Isophorone

Concen: 32.635 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Instrument :

BNA\_F

ClientSampleId :

TP-4-B

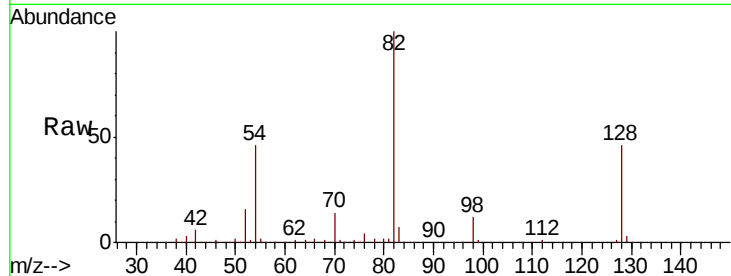
Tot Ion: 82 Resp: 637187

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

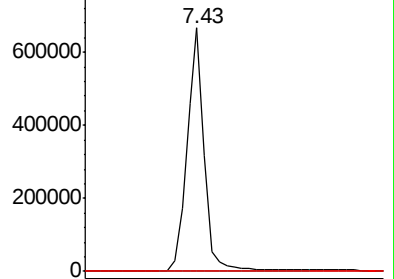
138 0.0 14.2 21.4#



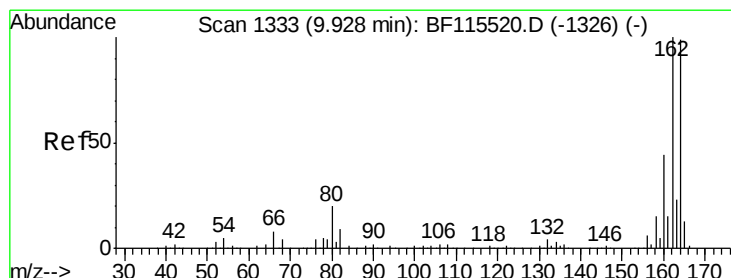
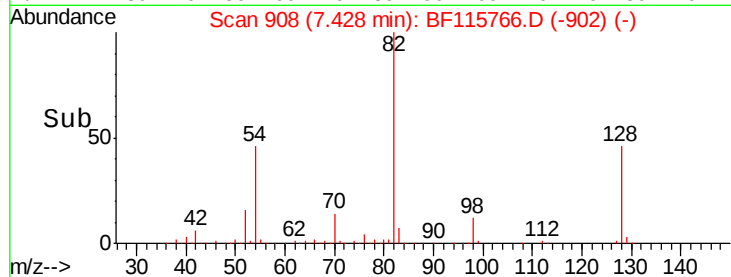
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

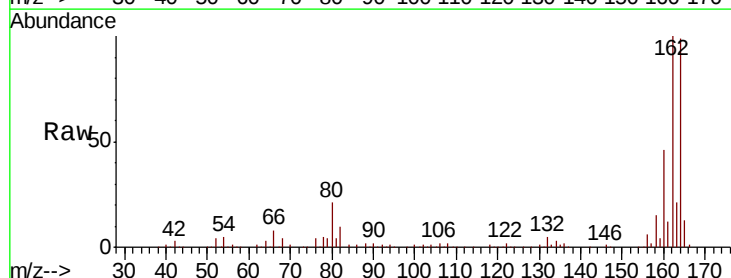
Tgt Ion: 164 Resp: 315768

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

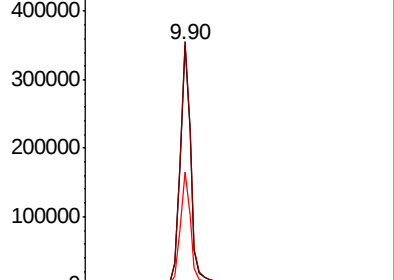
160 46.8 37.5 56.3



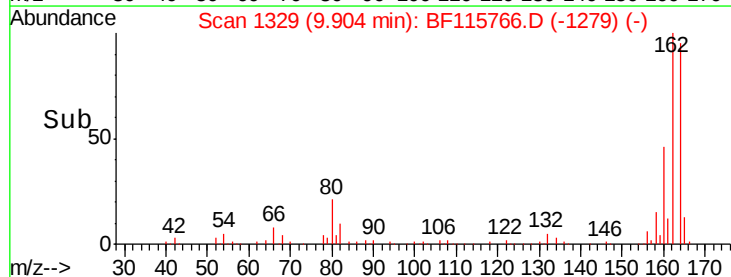
Abundance Ion 164.00 (163.70 to 164.70): E

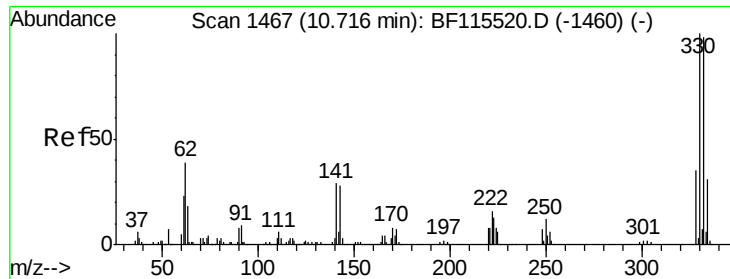
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

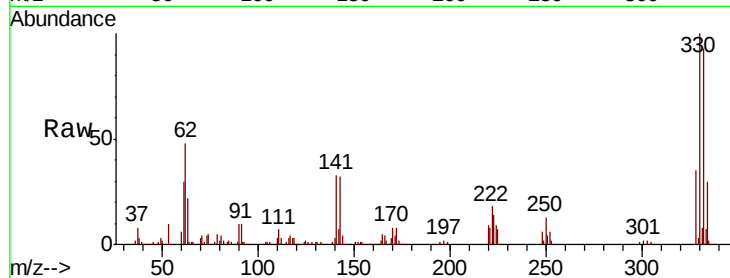




#42  
 2,4,6-Tribromophenol  
 Concen: 86.702 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF115766.D  
 Acq: 25 Jul 2019 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 76.1  | 114.1 |
| 141     | 33.1  | 25.9  | 38.9  |

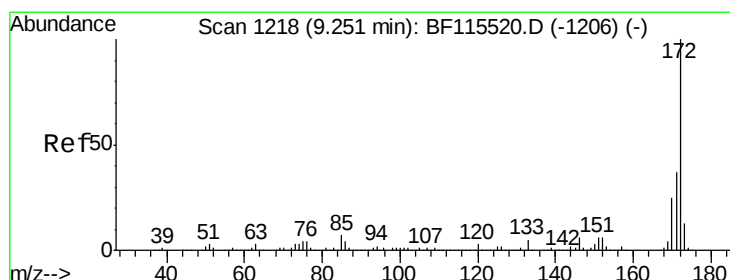
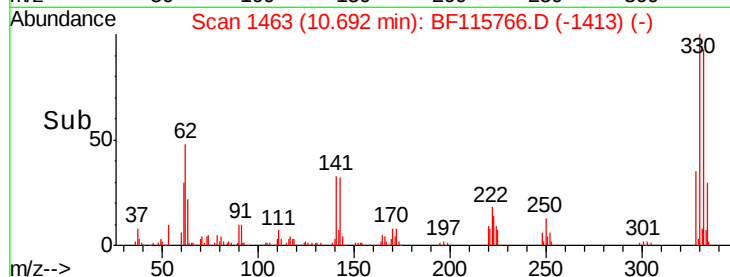
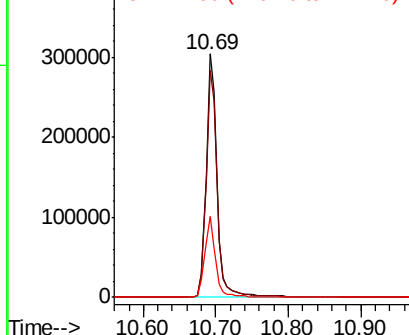


Abundance

Ion 329.80 (329.50 to 330.50): E

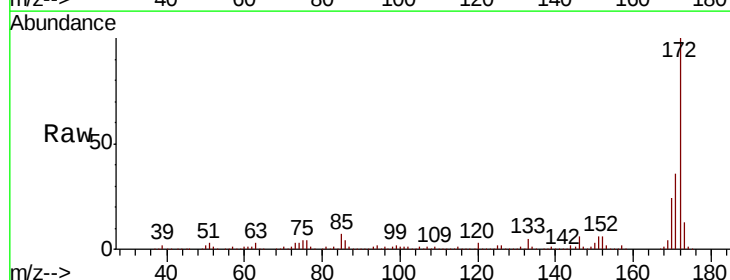
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 65.591 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF115766.D  
 Acq: 25 Jul 2019 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.0  | 43.4  |
| 170     | 24.4  | 20.1  | 30.1  |

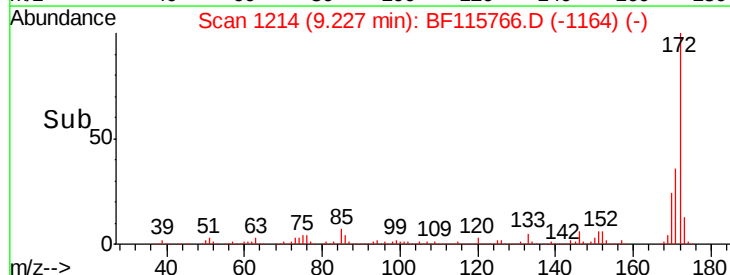
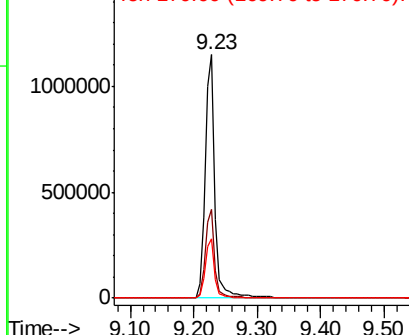


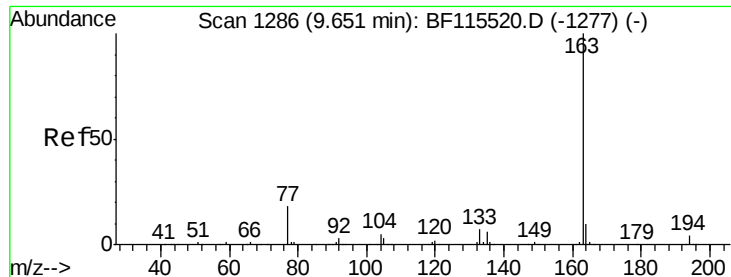
Abundance

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: 9.144 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Instrument :

BNA\_F

ClientSampleId :

TP-4-B

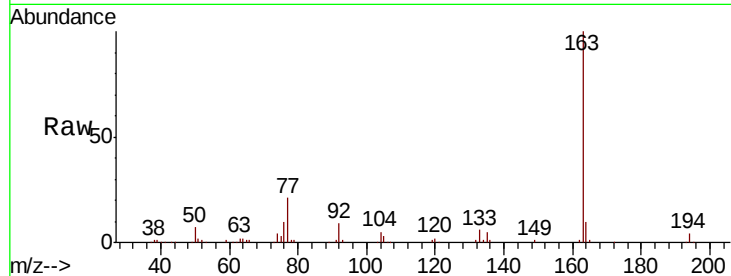
Tot Ion:163 Resp: 217246

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

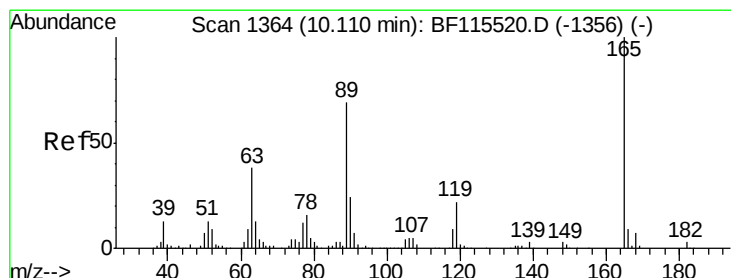
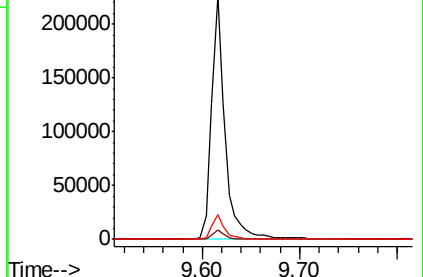
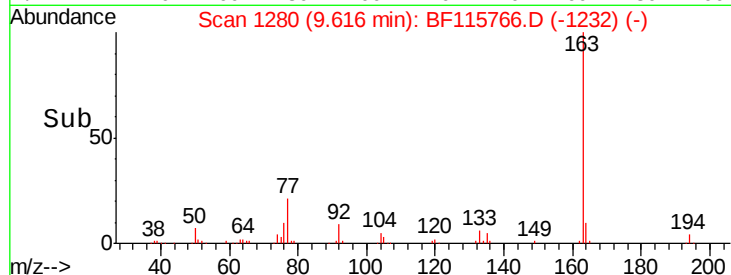
164 10.2 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 5.807 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Tgt Ion:165 Resp: 40617

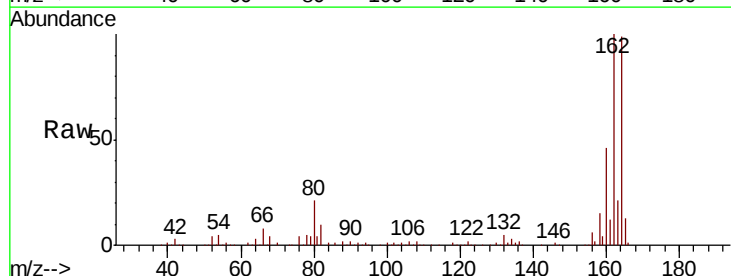
Ion Ratio Lower Upper

165 100

63 1.2 33.4 50.2#

89 1.2 57.3 85.9#

182 0.0 2.1 3.1#

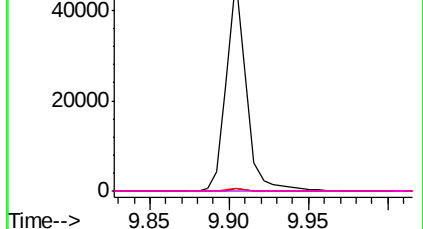
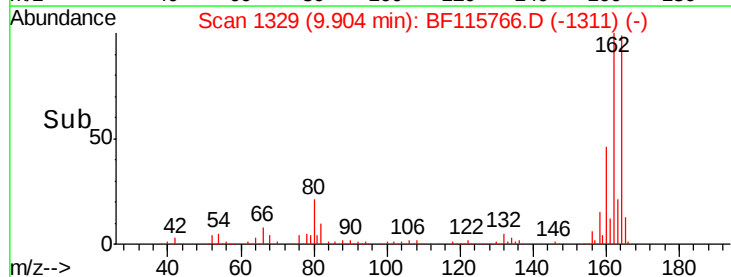


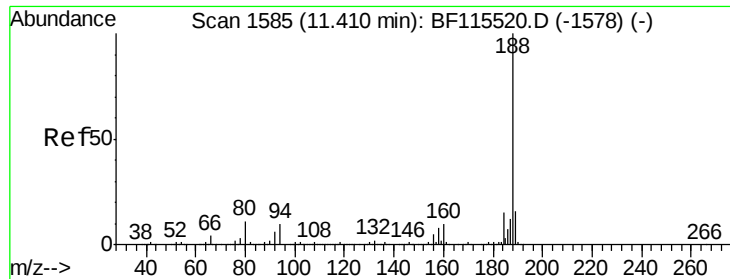
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

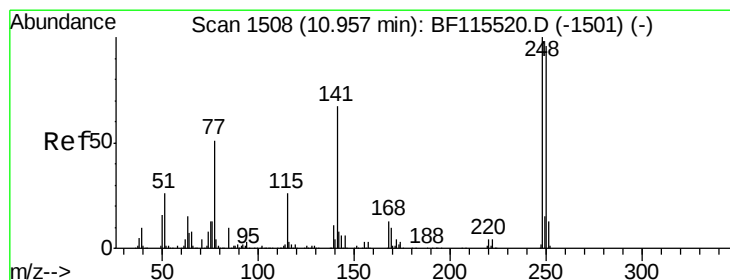
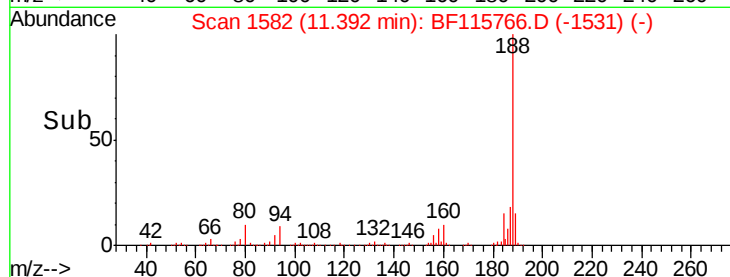
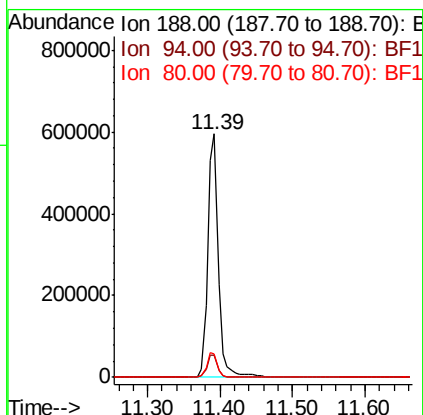
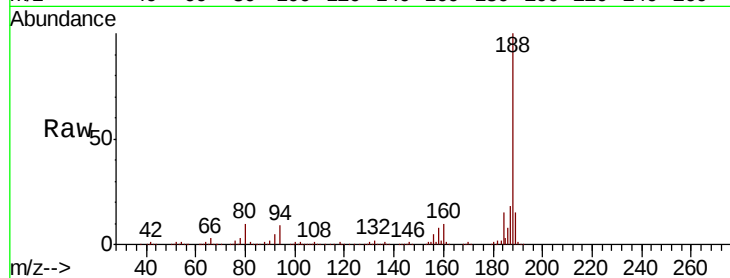




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.00 min  
Lab File: BF115766.D  
Acq: 25 Jul 2019 19:07

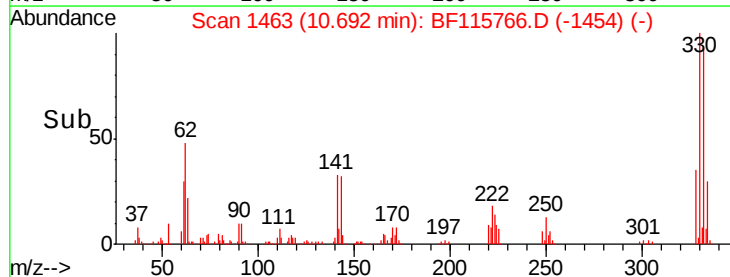
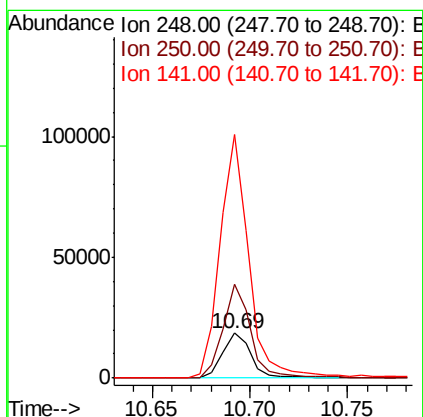
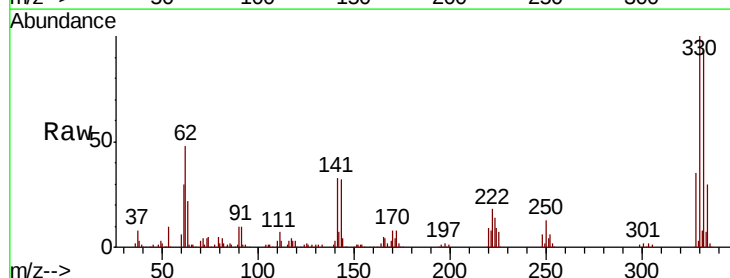
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4-B

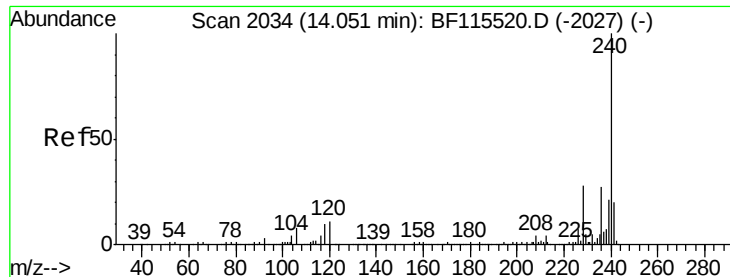
Tot Ion:188 Resp: 601519  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.2 12.2  
80 9.8 9.0 13.6



#67  
4-Bromophenyl-phenylether  
Concen: 2.755 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. -0.25 min  
Lab File: BF115766.D  
Acq: 25 Jul 2019 19:07

Tgt Ion:248 Resp: 18937  
Ion Ratio Lower Upper  
248 100  
250 207.4 77.0 115.4#  
141 541.0 52.1 78.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

Instrument :

BNA\_F

ClientSampleId :

TP-4-B

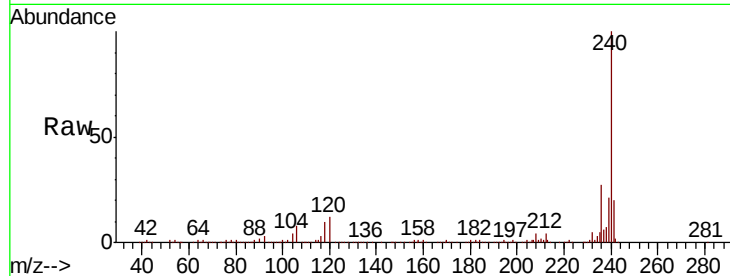
Tot Ion:240 Resp: 484665

Ion Ratio Lower Upper

240 100

120 12.1 10.0 15.0

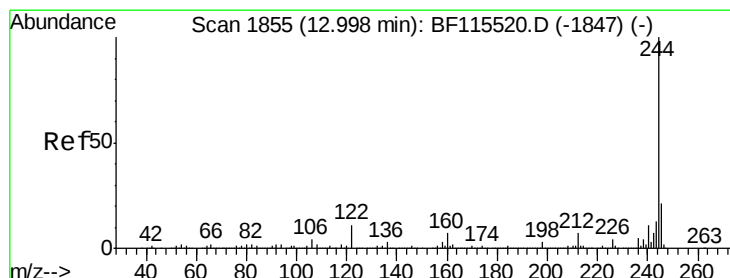
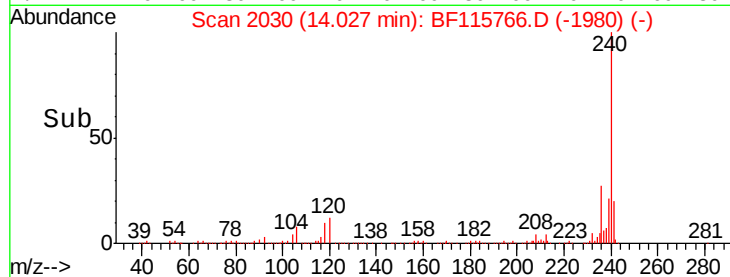
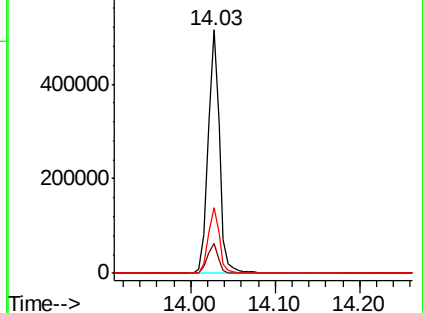
236 27.0 21.8 32.6



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: 57.319 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF115766.D

Acq: 25 Jul 2019 19:07

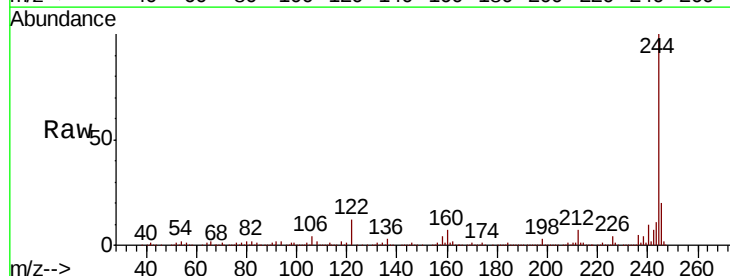
Tgt Ion:244 Resp: 1505574

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

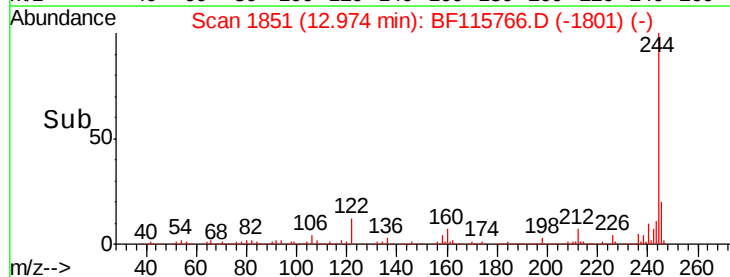
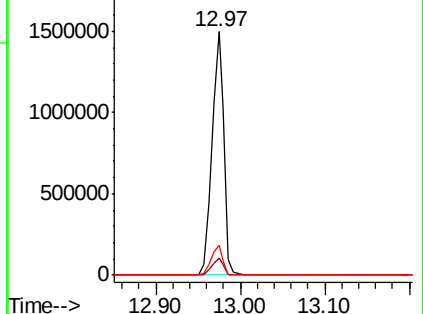
122 12.1 8.2 12.4

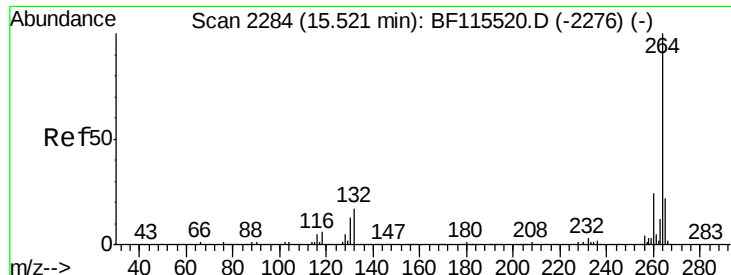


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

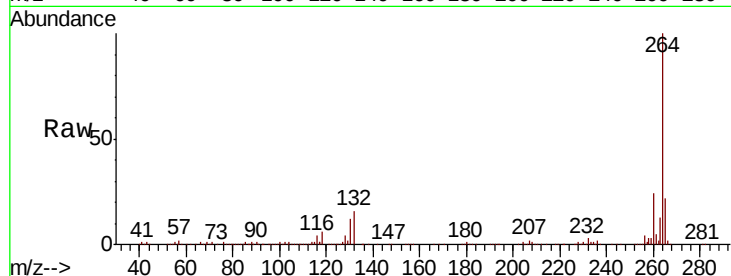




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BF115766.D  
 Acq: 25 Jul 2019 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.8  | 29.6  |
| 265     | 21.5  | 17.5  | 26.3  |



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

