

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\  
 Data File : BF114957.D  
 Acq On : 11 Jun 2019 21:35  
 Operator : HP/JU  
 Sample : K3265-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 12 04:33:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 16:44:00 2019  
 Response via : Initial Calibration

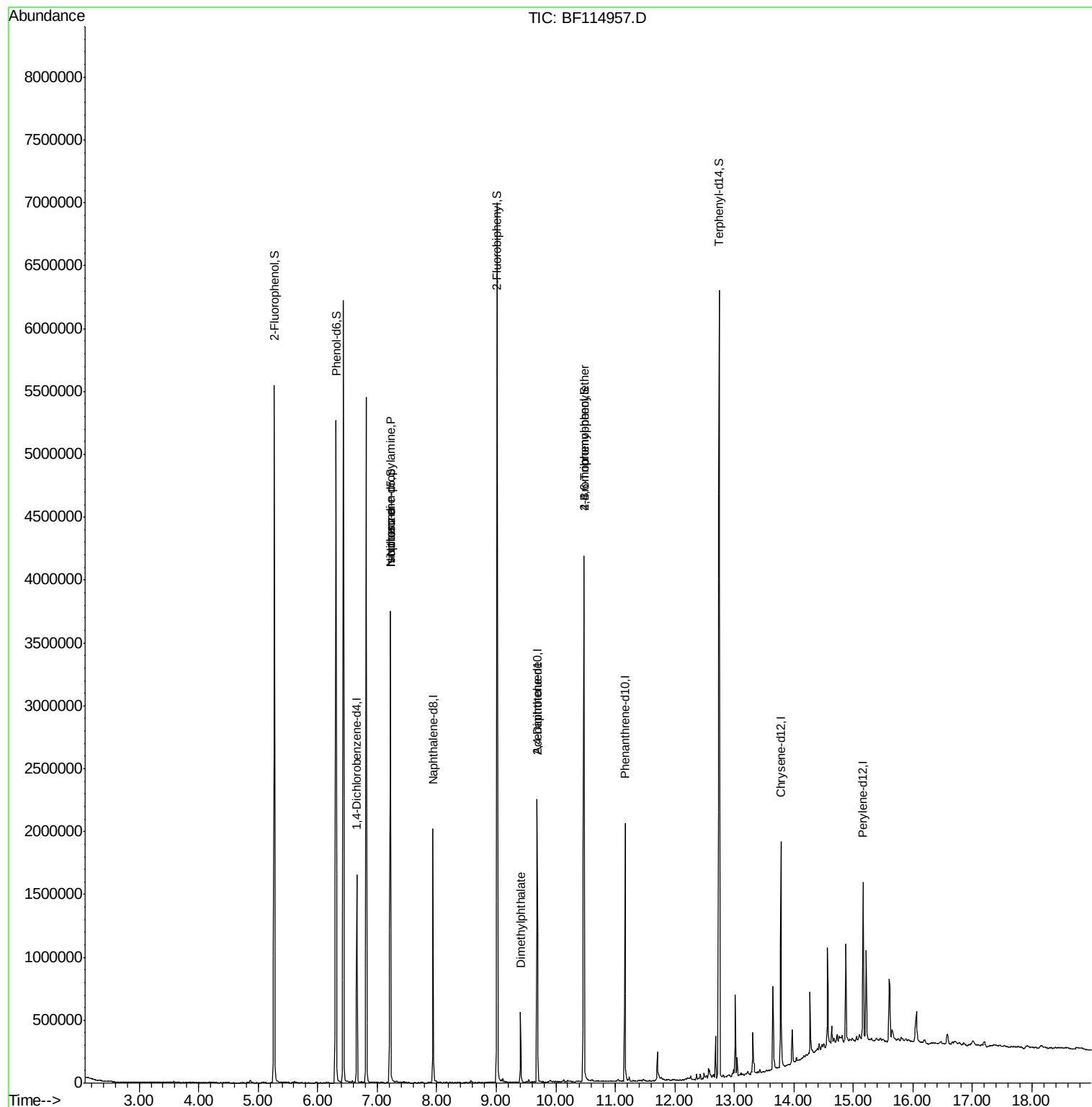
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.66  | 152  | 231192   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.94  | 136  | 875382   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.69  | 164  | 415006   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.16 | 188  | 762815   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.78 | 240  | 574651   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.16 | 264  | 549176   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.27  | 112  | 1782293  | 130.47 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.31  | 99   | 2178484  | 132.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.22  | 82   | 1366753  | 95.93  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.47 | 330  | 557931   | 123.59 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.02  | 172  | 2332799  | 89.21  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.74 | 244  | 2245839  | 77.72  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.22  | 70   | 179951   | 17.465 | ng    | # 76     |
| 25) Isophorone                 | 7.22  | 82   | 1346992  | 48.280 | ng    | # 62     |
| 50) Dimethylphthalate          | 9.41  | 163  | 235259   | 7.542  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.69  | 165  | 53847    | 5.946  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 10.47 | 248  | 36431    | 4.409  | ng    | # 1      |

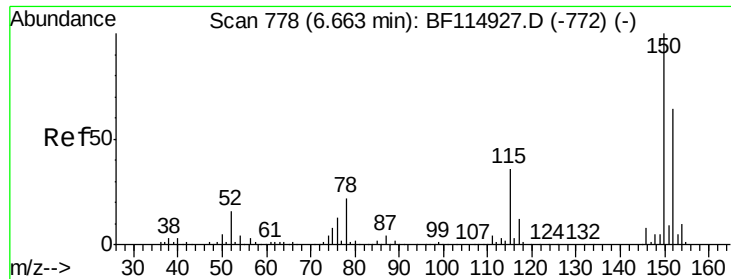
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jun 12 04:33:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 16:44:00 2019  
Response via : Initial Calibration



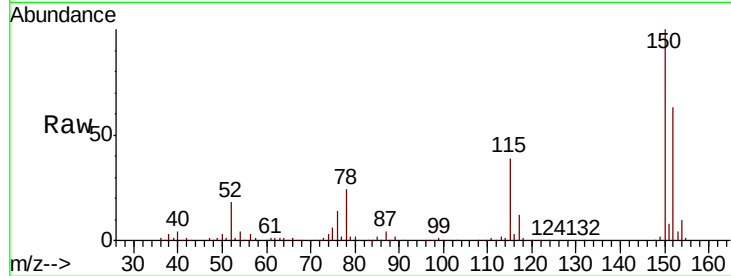


#1

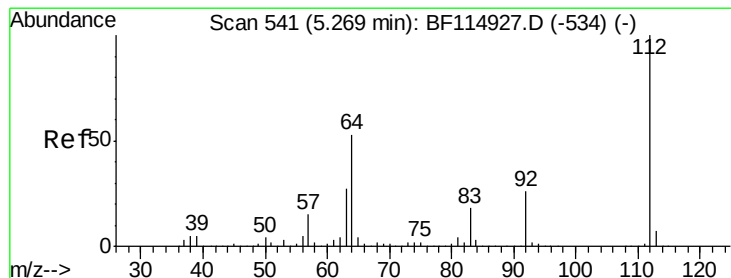
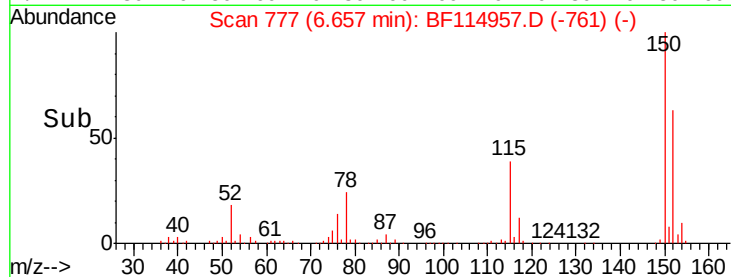
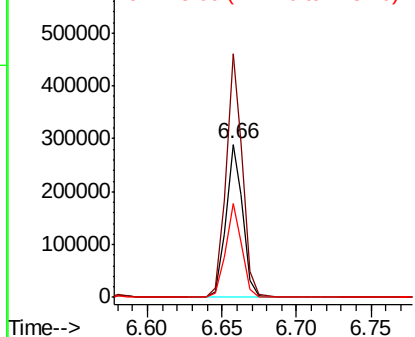
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.66 min Scan# 777  
Delta R.T. -0.01 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 231192  
Ion Ratio Lower Upper  
152 100  
150 159.0 125.2 187.8  
115 61.3 45.0 67.4



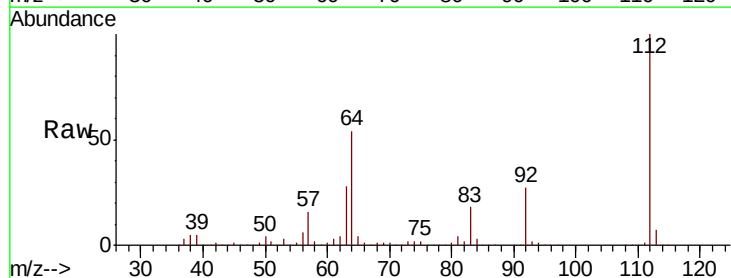
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



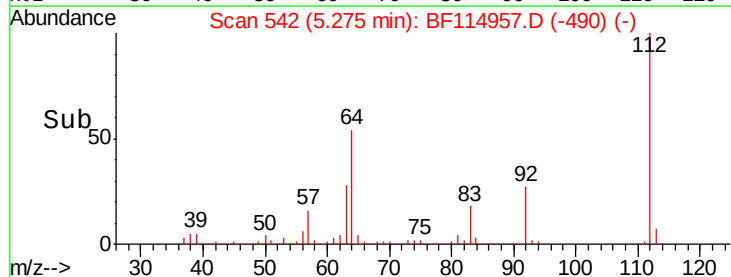
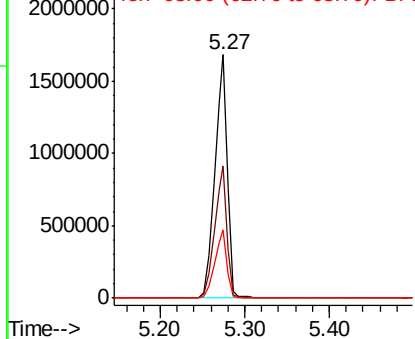
#5

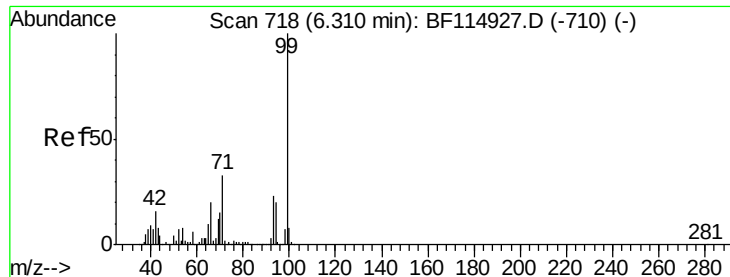
2-Fluorophenol  
Concen: 130.471 ng  
RT: 5.27 min Scan# 542  
Delta R.T. 0.01 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

Tgt Ion:112 Resp: 1782293  
Ion Ratio Lower Upper  
112 100  
64 54.4 42.1 63.1  
63 27.9 21.8 32.8



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: 132.212 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Instrument :

BNA\_F

ClientSampled :

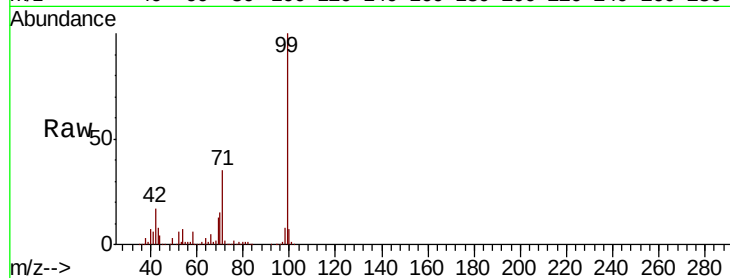
Tot Ion: 99 Resp: 2178484

Ion Ratio Lower Upper

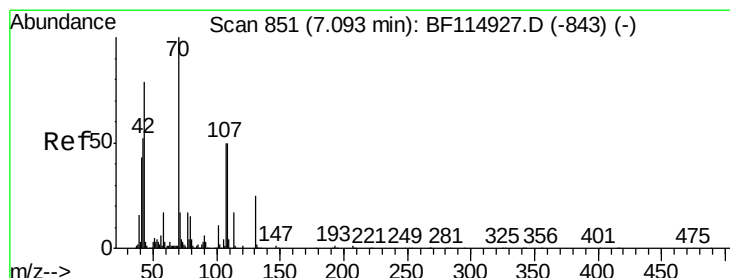
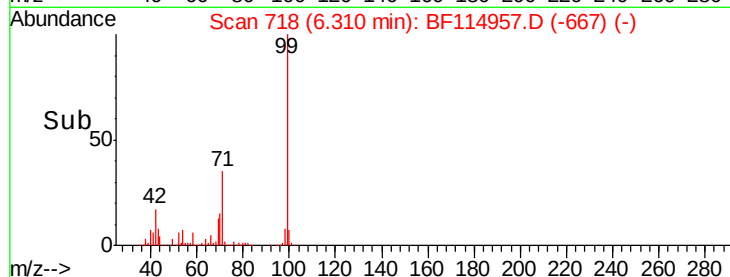
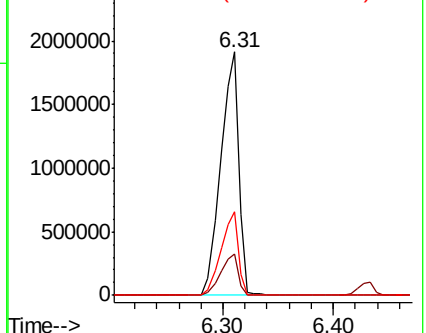
99 100

42 17.0 13.1 19.7

71 34.5 26.8 40.2



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: 17.465 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Tgt Ion: 70 Resp: 179951

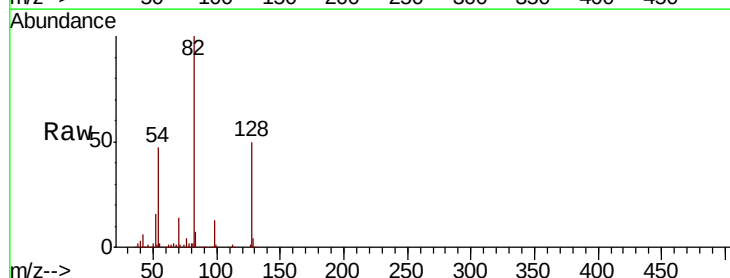
Ion Ratio Lower Upper

70 100

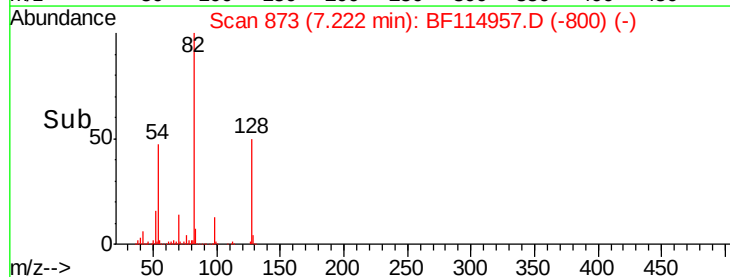
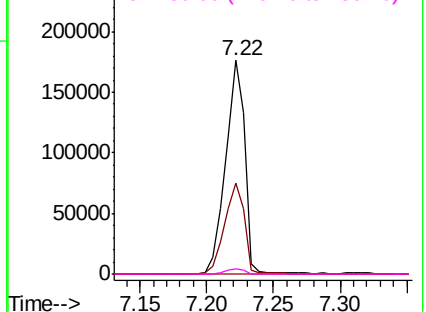
42 42.7 41.7 62.5

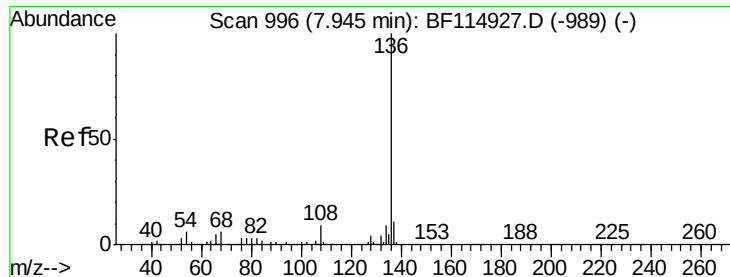
101 0.0 8.4 12.6#

130 2.3 19.9 29.9#



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

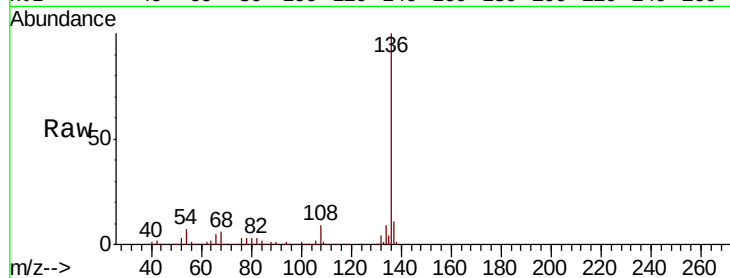




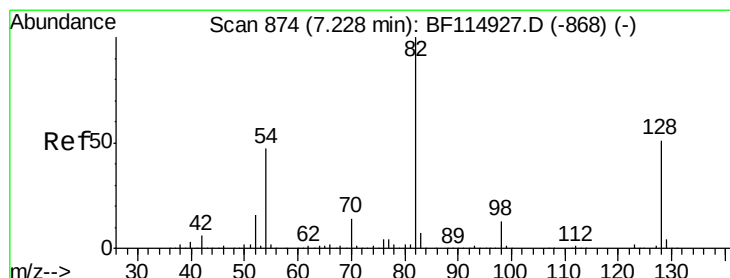
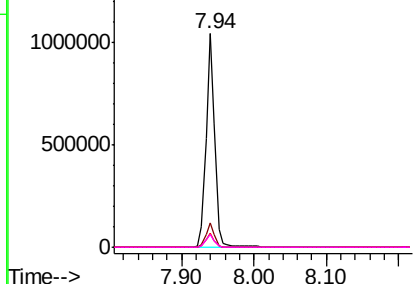
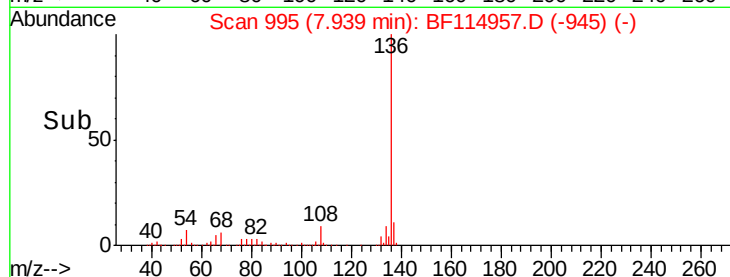
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.94 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 875382 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.4    | 9.0   | 13.6   |  |
| 54 6.7      | 5.2   | 7.8    |  |
| 68 5.8      | 4.6   | 7.0    |  |

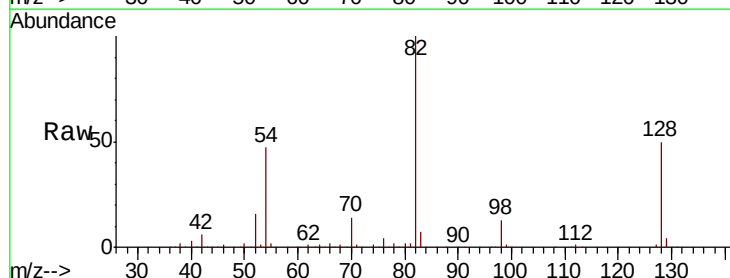


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

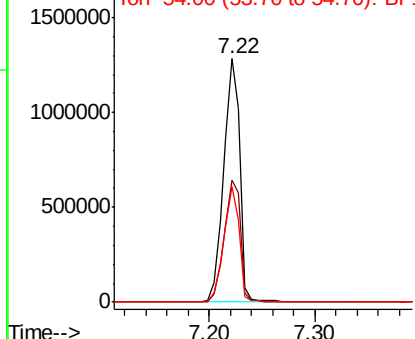
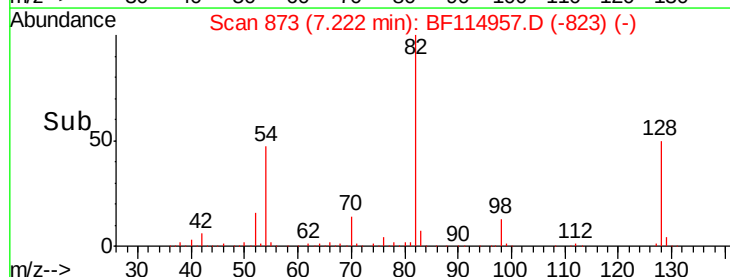


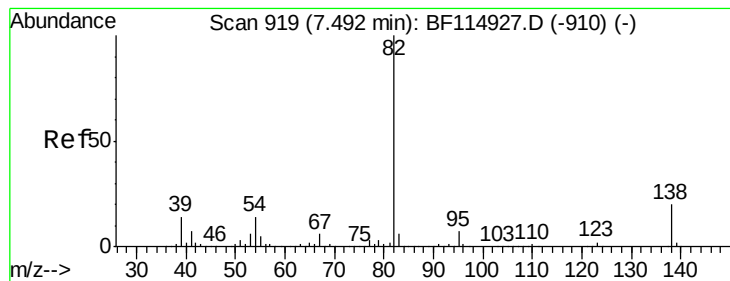
#23  
Nitrobenzene-d5  
Concen: 95.931 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1366753 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 50.2    | 40.9 61.3     |
| 54 47.4     | 37.4 56.0     |



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





#25

Isophorone

Concen: 48.280 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.27 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Instrument :

BNA\_F

ClientSampleId :

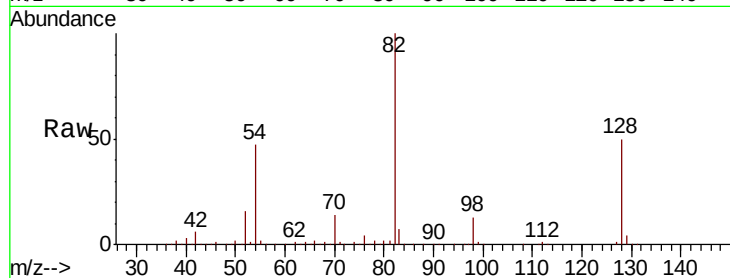
Tot Ion: 82 Resp: 1346992

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

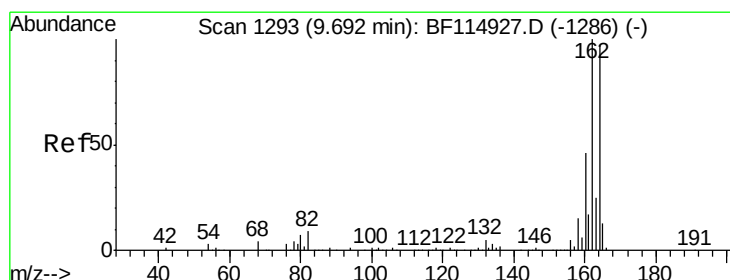
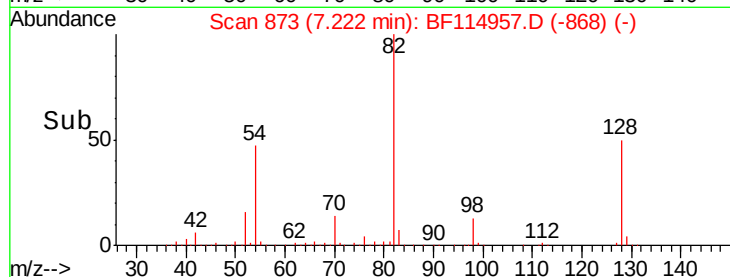
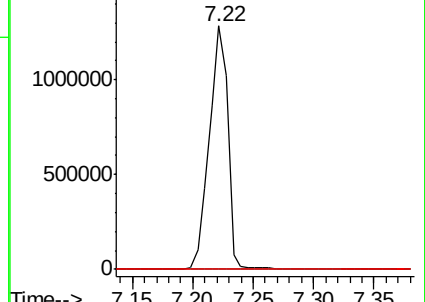
138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

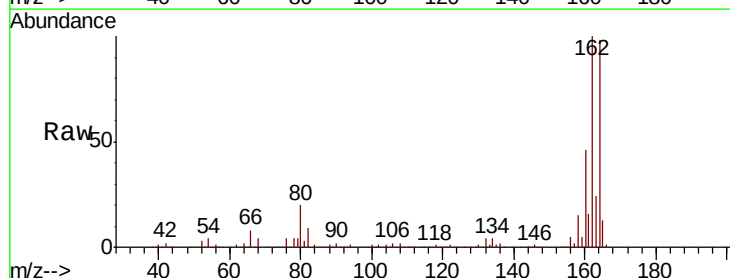
Tgt Ion:164 Resp: 415006

Ion Ratio Lower Upper

164 100

162 102.0 82.4 123.6

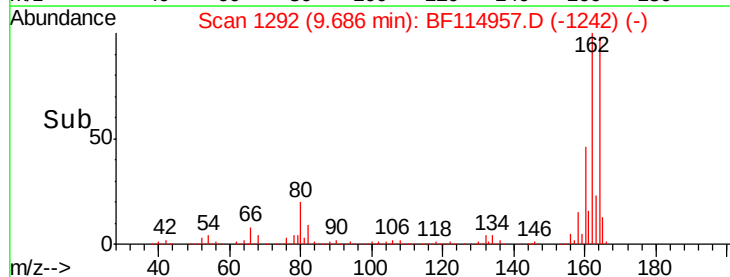
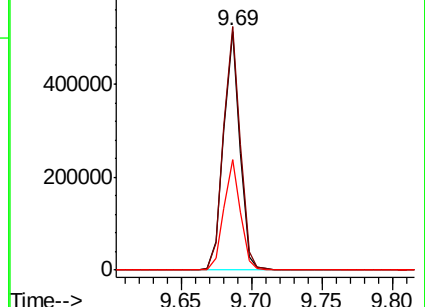
160 46.4 37.5 56.3

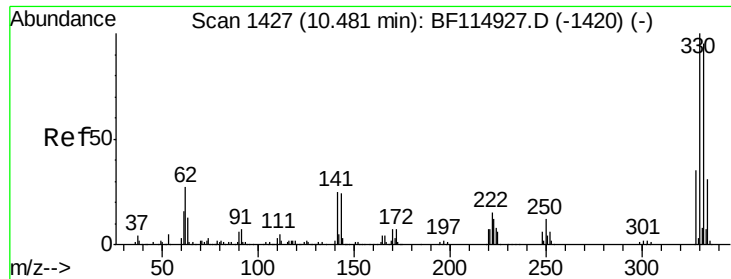


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 123.587 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Instrument :

BNA\_F

ClientSampleId :

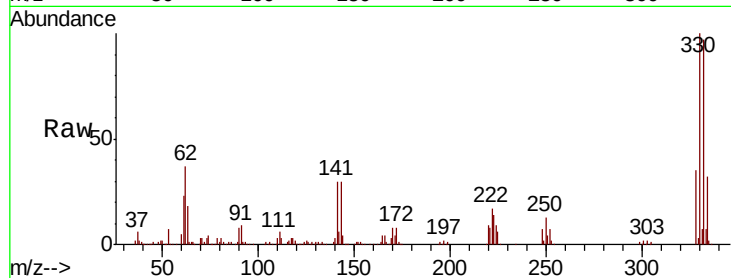
Tot Ion:330 Resp: 557931

Ion Ratio Lower Upper

330 100

332 97.7 76.4 114.6

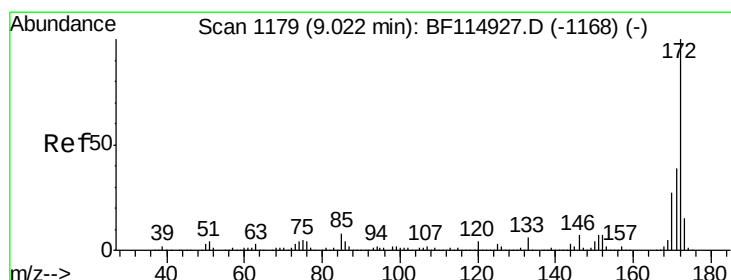
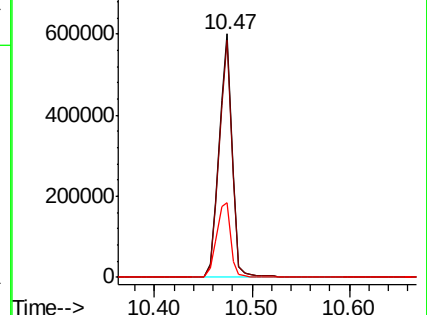
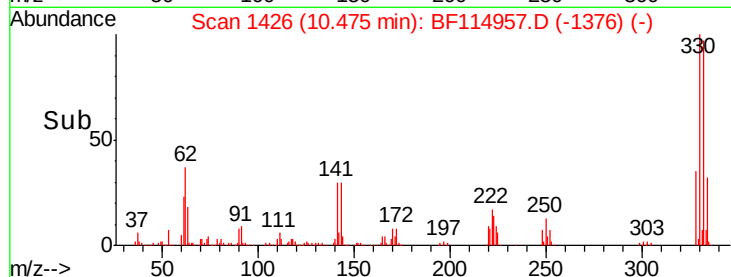
141 33.7 26.8 40.2



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: 89.211 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

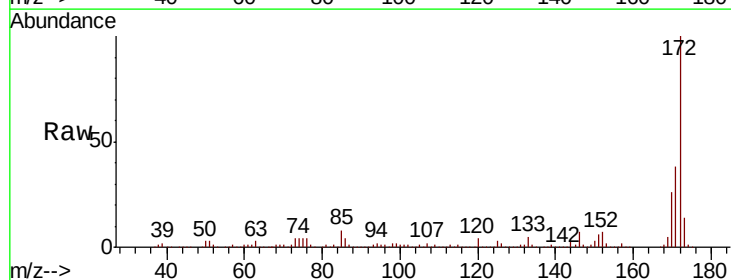
Tgt Ion:172 Resp: 2332799

Ion Ratio Lower Upper

172 100

171 38.0 31.3 46.9

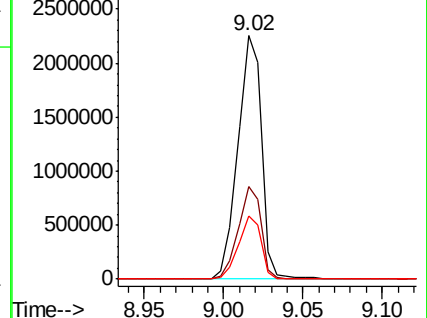
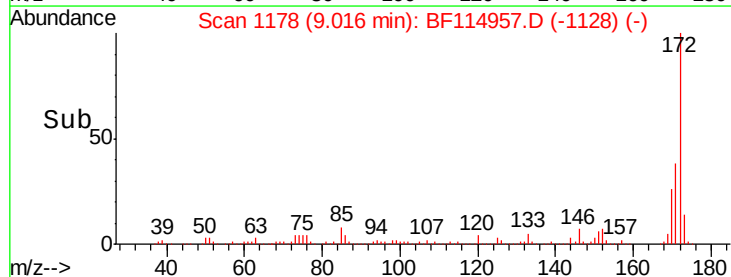
170 25.8 21.4 32.0

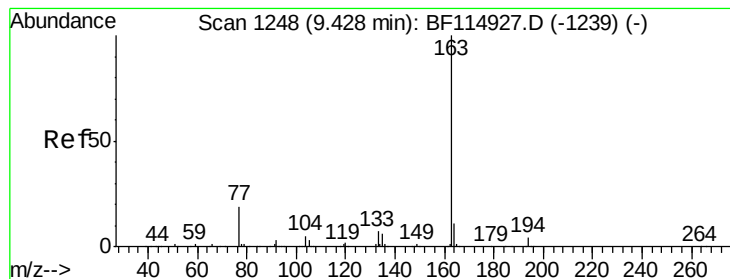


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.542 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Instrument :

BNA\_F

ClientSampleId :

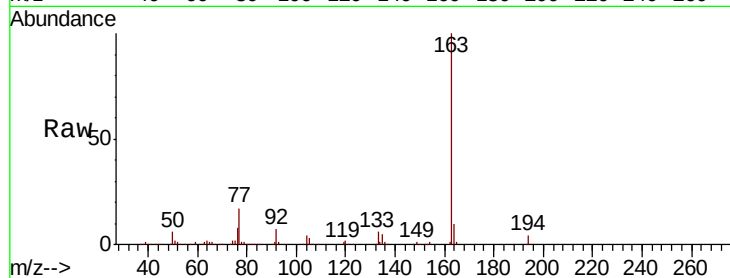
Tot Ion:163 Resp: 235259

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

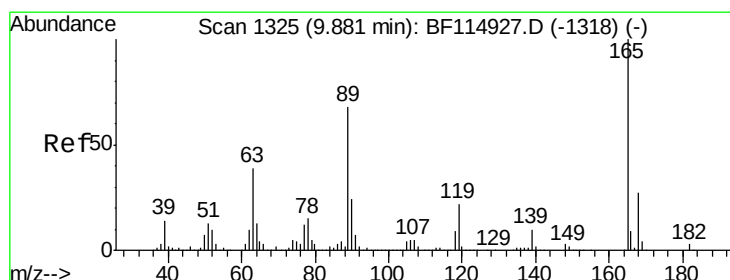
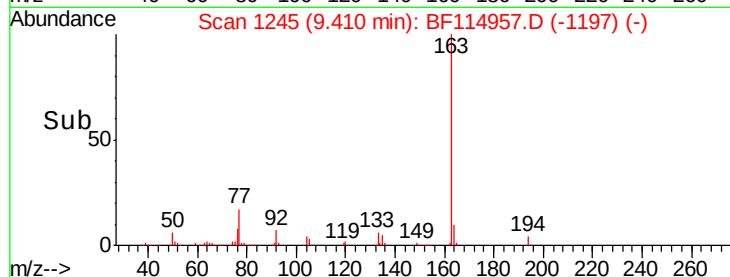
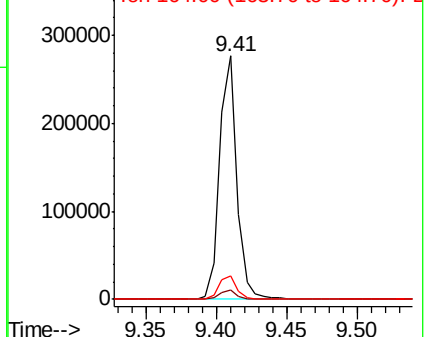
164 9.6 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 5.946 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.19 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

Tgt Ion:165 Resp: 53847

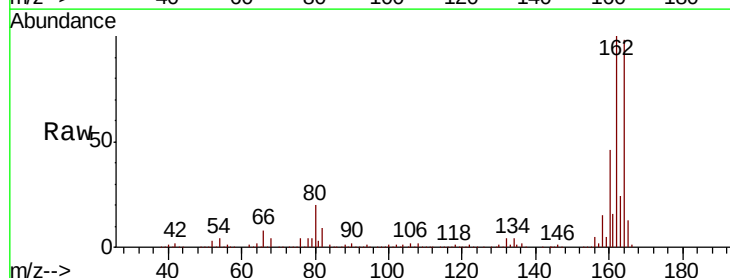
Ion Ratio Lower Upper

165 100

63 1.1 31.8 47.6#

89 1.2 54.2 81.2#

182 0.0 2.1 3.1#

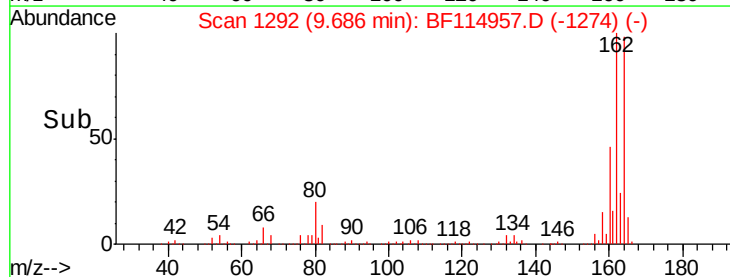
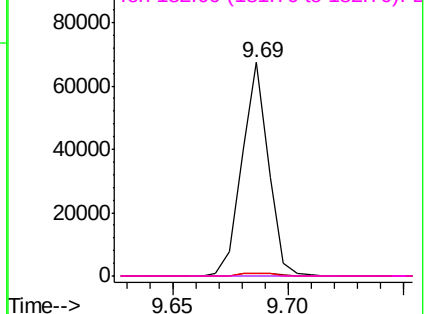


Abundance Ion 165.00 (164.70 to 165.70): E

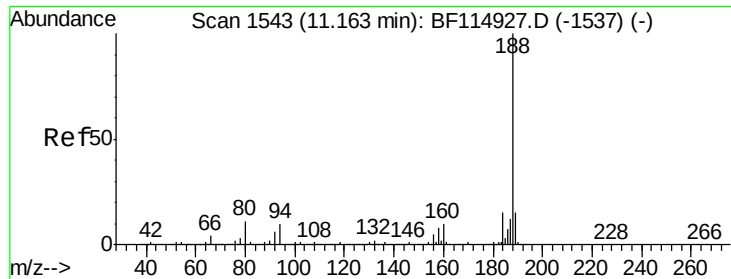
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



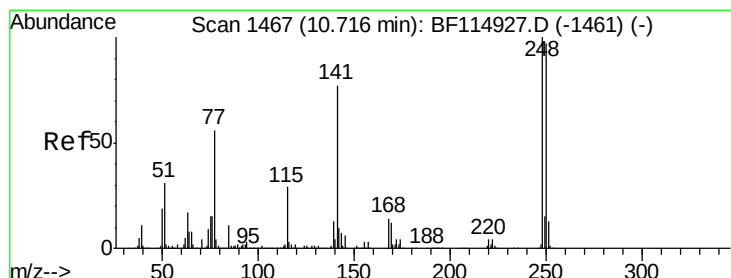
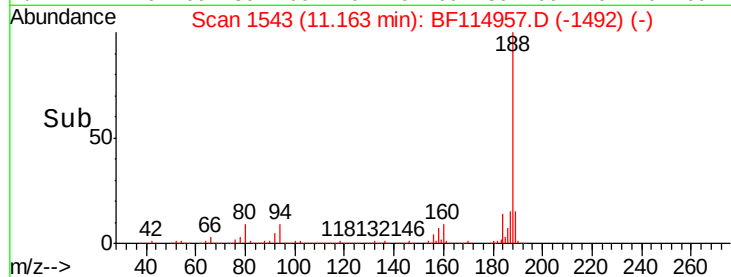
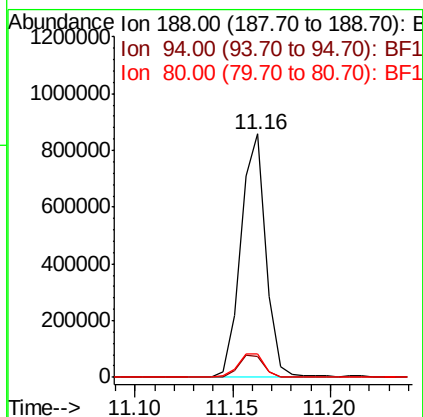
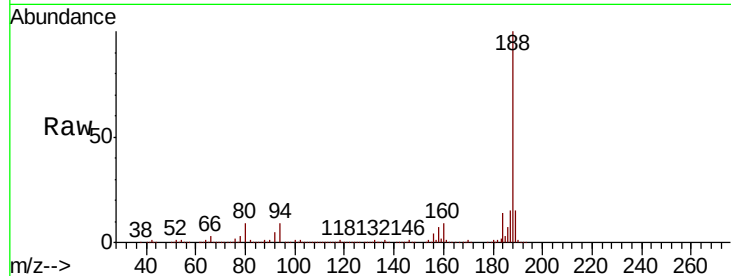




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.16 min Scan# 1543  
Delta R.T. -0.00 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

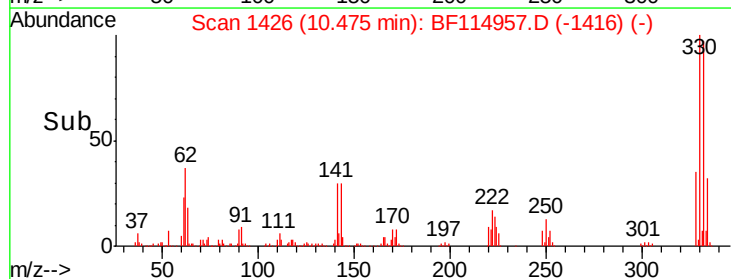
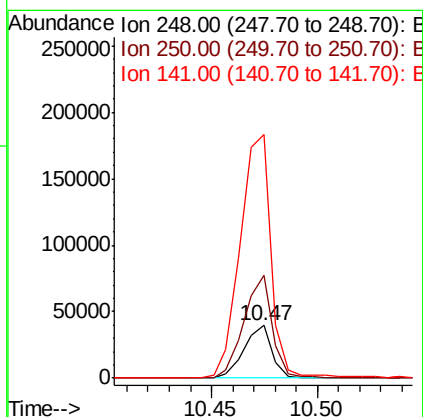
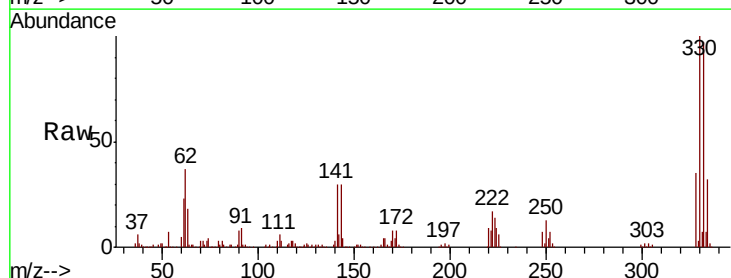
Instrument :  
BNA\_F  
ClientSampleId :

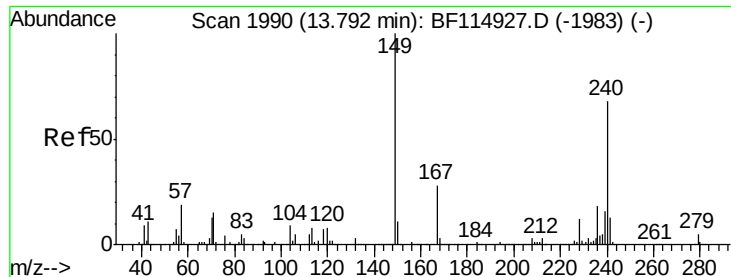
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 8.1   | 12.1  |
| 80      | 9.4   | 8.6   | 12.8  |



#67  
4-Bromophenyl-phenylether  
Concen: 4.409 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. -0.24 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 195.2 | 77.4  | 116.0# |
| 141     | 462.5 | 61.8  | 92.6#  |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF114957.D

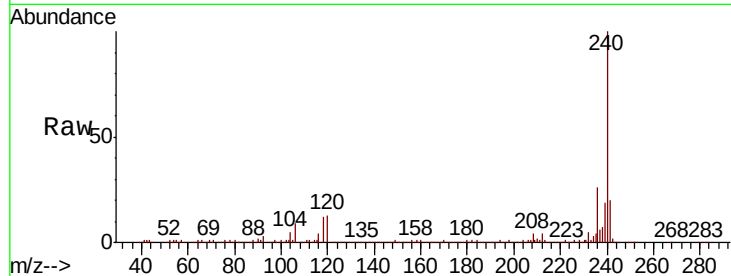
Acq: 11 Jun 2019 21:35

Instrument :

BNA\_F

ClientSampleId :

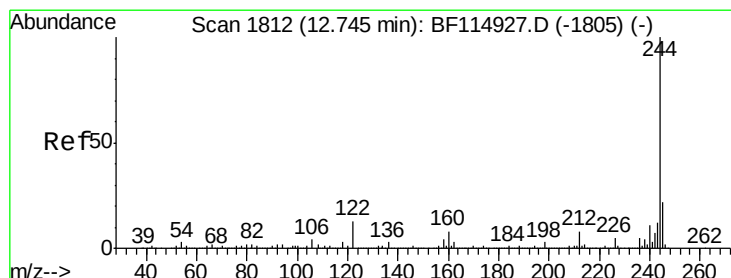
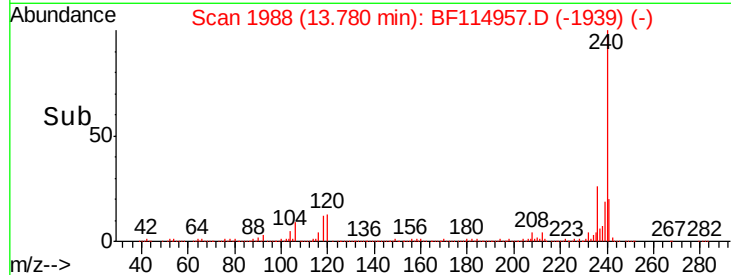
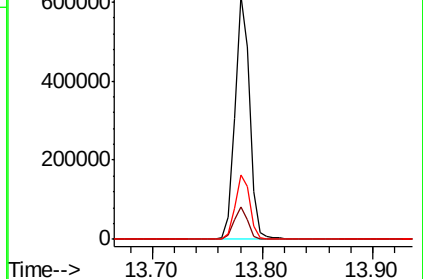
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 240   | Resp: | 574651 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 13.5  | 9.2   | 13.8   |
| 236      | 26.3  | 21.7  | 32.5   |



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: 77.722 ng

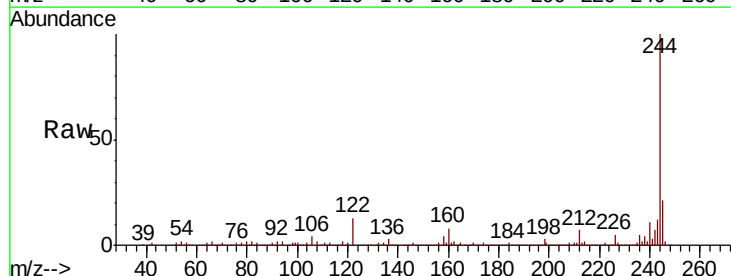
RT: 12.74 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF114957.D

Acq: 11 Jun 2019 21:35

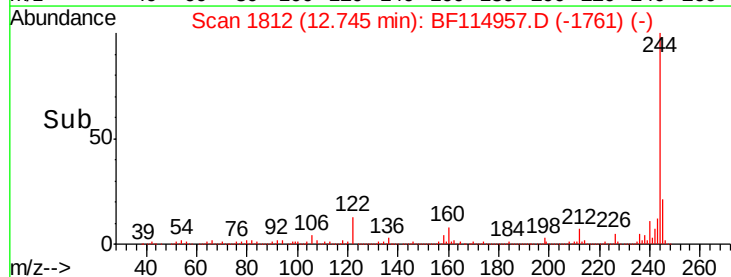
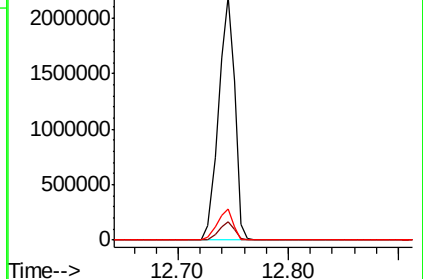
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 2245839 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 7.3   | 6.2   | 9.2     |
| 122      | 12.6  | 10.2  | 15.4    |

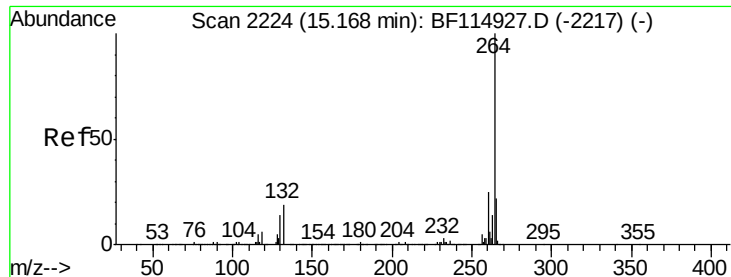


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.16 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BF114957.D  
Acq: 11 Jun 2019 21:35

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.7  | 29.5  |
| 265     | 21.9  | 17.5  | 26.3  |

