

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\  
 Data File : BF114030.D  
 Acq On : 29 Apr 2019 18:36  
 Operator : JU/SJ  
 Sample : K2198-07 2X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 30 01:22:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

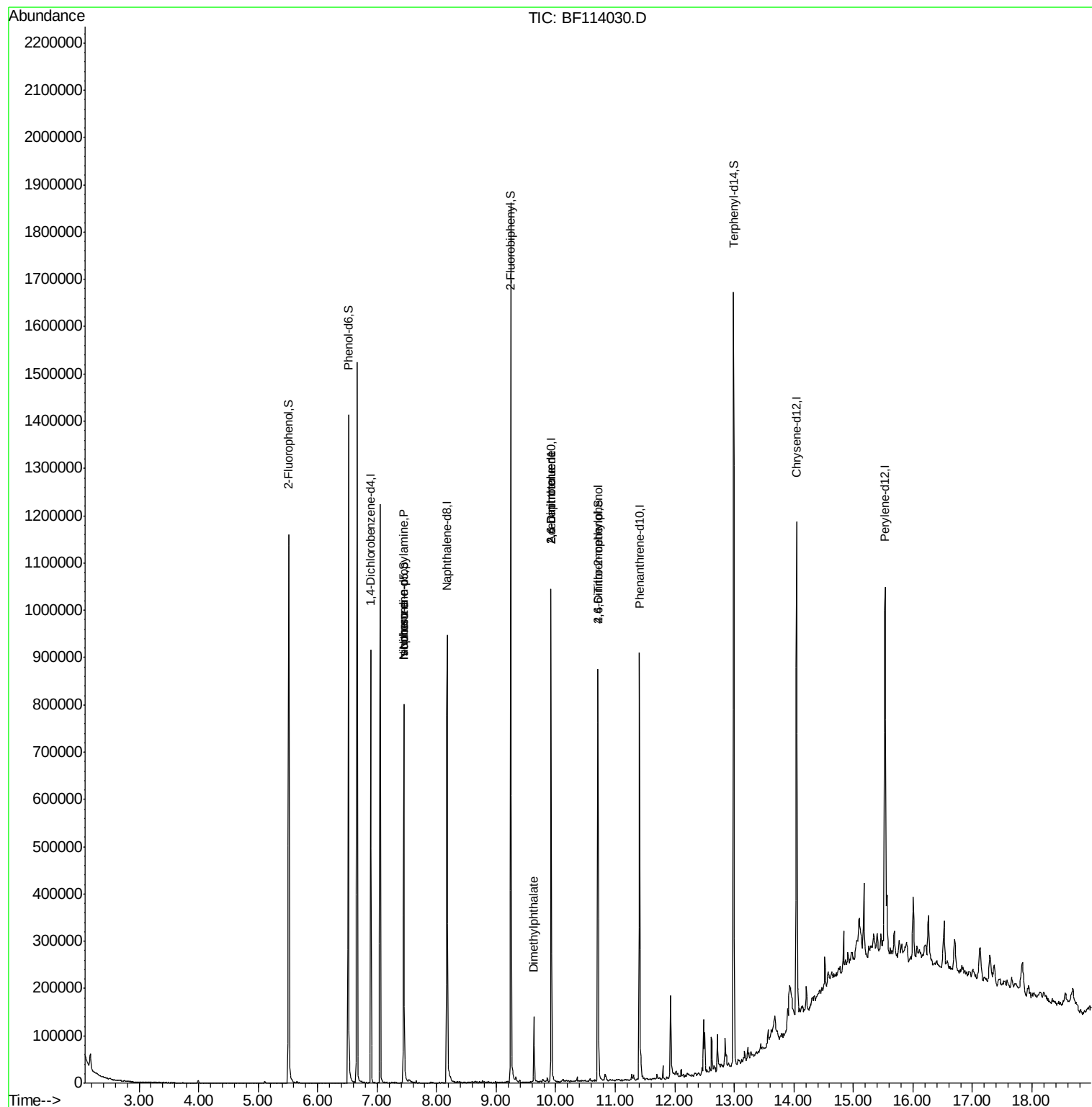
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 127122   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 471818   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 221376   | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.41 | 188  | 380387   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.05 | 240  | 345586   | 20.00     | ng    | -0.02    |
| 87) Perylene-d12               | 15.53 | 264  | 403585   | 20.00     | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 376067   | 50.60     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 481944   | 51.68     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 282375   | 36.95     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.71 | 330  | 126735   | 46.99     | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 599061   | 42.32     | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.99 | 244  | 570383   | 33.84     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.66  | 77   | 8848     | Below Cal |       | 80       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 36748    | 6.085 ng  | #     | 78       |
| 25) Isophorone                 | 7.45  | 82   | 282370   | 18.059 ng | #     | 65       |
| 50) Dimethylphthalate          | 9.63  | 163  | 59141    | 3.694 ng  |       | 99       |
| 51) 2,6-Dinitrotoluene         | 9.92  | 165  | 28400    | 8.268 ng  | #     | 33       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 28400    | 6.551 ng  | #     | 29       |
| 65) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 107      | 7.360 ng  | #     | 1        |

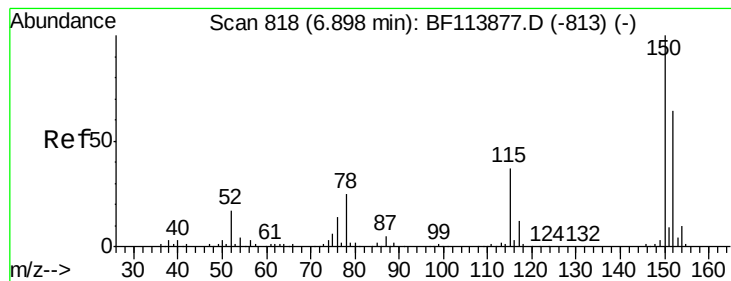
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2198-07 2X  
Misc :  
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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Apr 30 01:22:09 2019  
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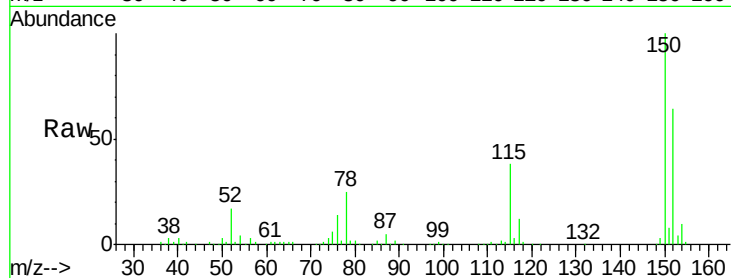


#1

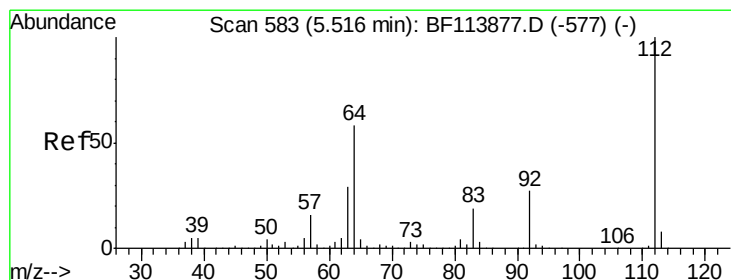
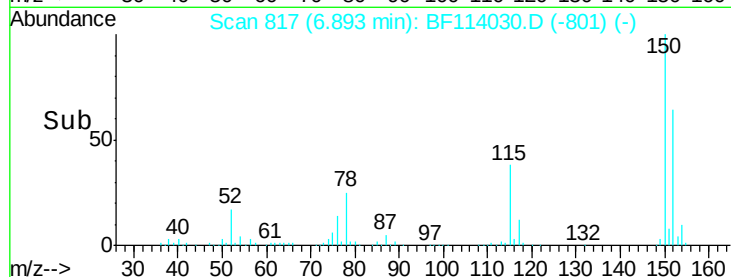
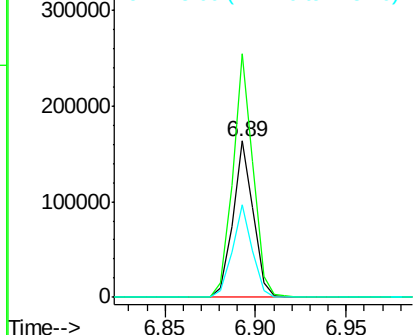
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 125.9 | 188.9 |
| 115     | 59.7  | 45.9  | 68.9  |



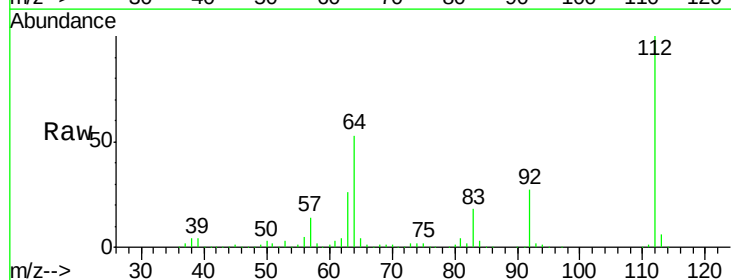
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



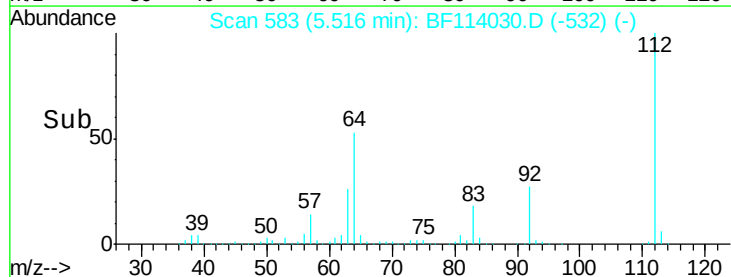
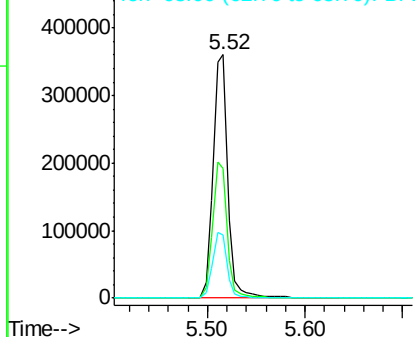
#5

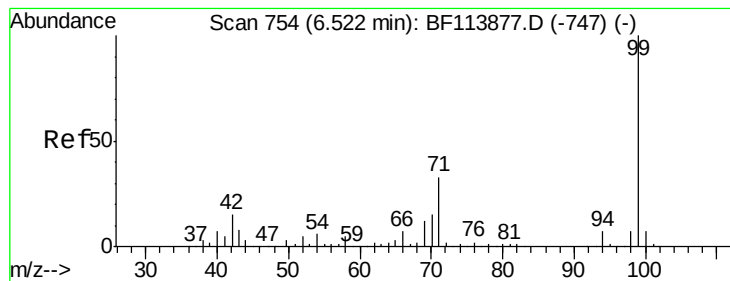
2-Fluorophenol  
Concen: 50.598 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.00 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.5  | 46.6  | 69.8  |
| 63      | 26.1  | 23.1  | 34.7  |



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: 51.683 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

Instrument :

BNA\_F

ClientSampleId :

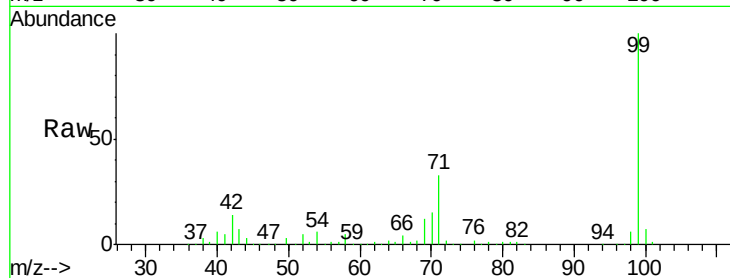
Tot Ion: 99 Resp: 481944

Ion Ratio Lower Upper

99 100

42 14.3 12.5 18.7

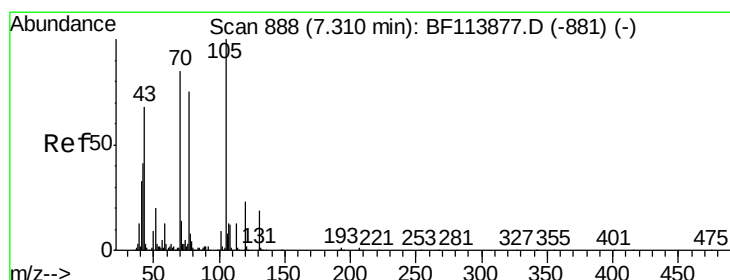
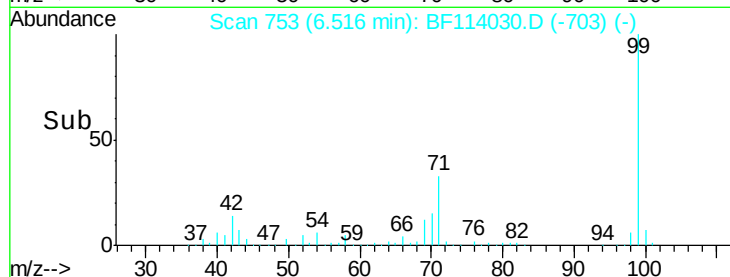
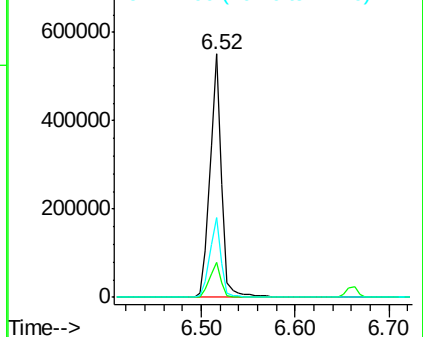
71 32.7 26.9 40.3



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: 6.085 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

Tgt Ion: 70 Resp: 36748

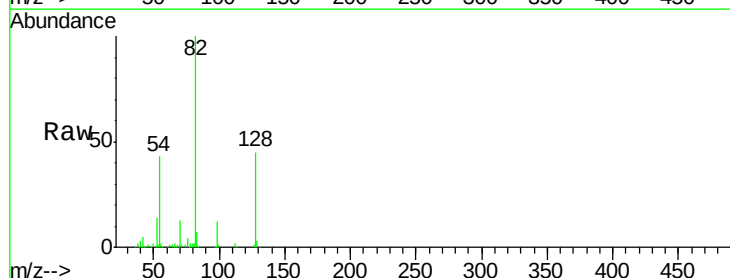
Ion Ratio Lower Upper

70 100

42 38.8 37.3 55.9

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

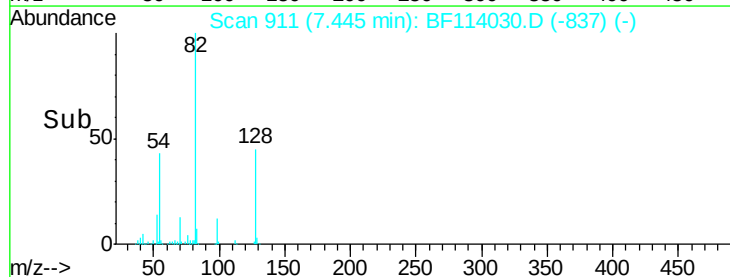
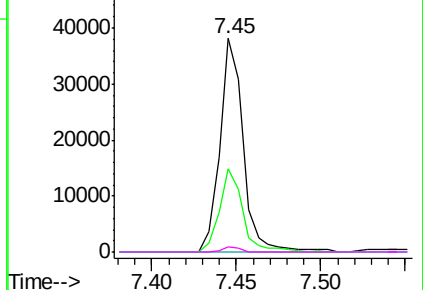


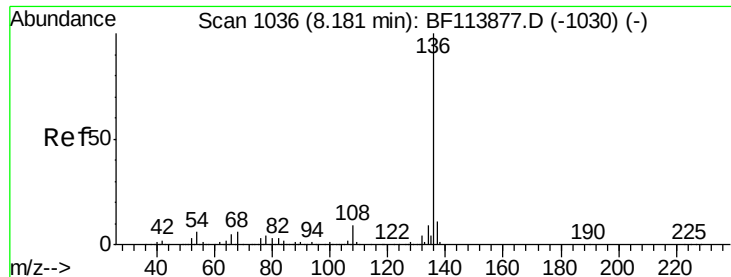
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

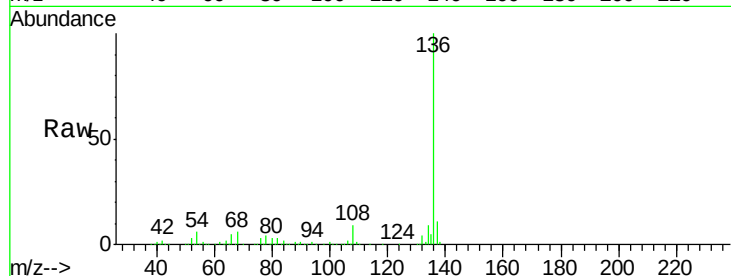




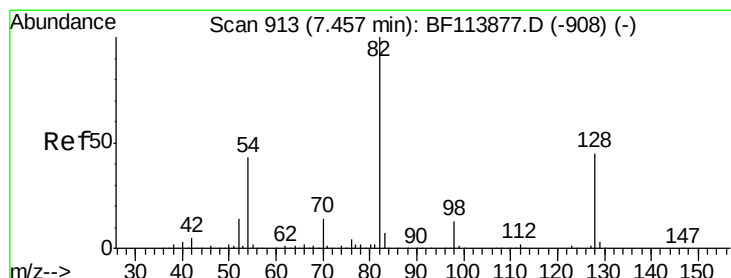
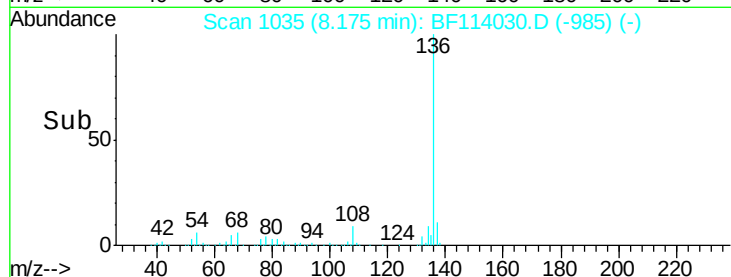
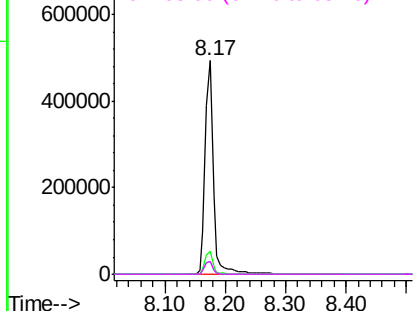
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 471818   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.6 12.8 |
| 54          | 5.8   | 5.0 7.6  |
| 68          | 5.8   | 4.9 7.3  |

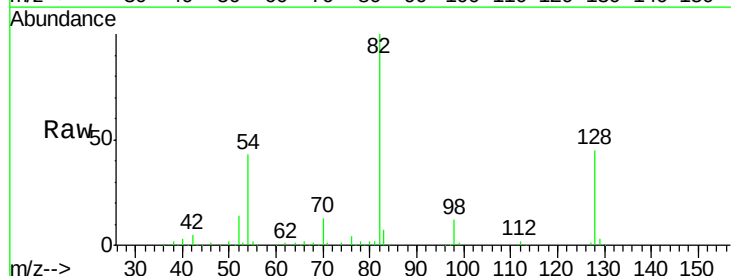


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

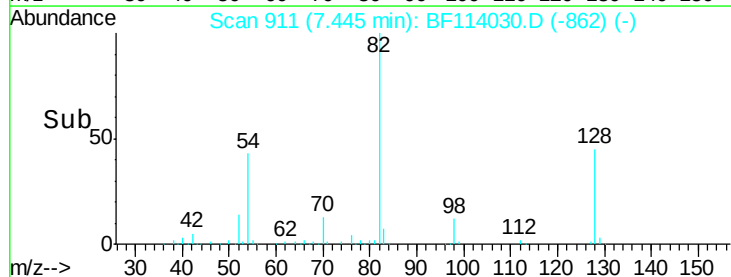
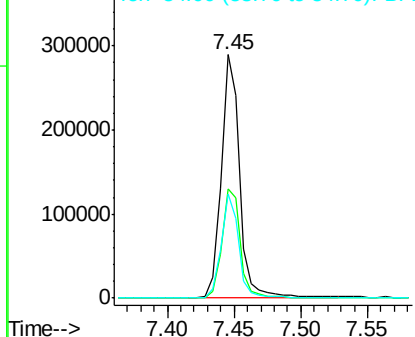


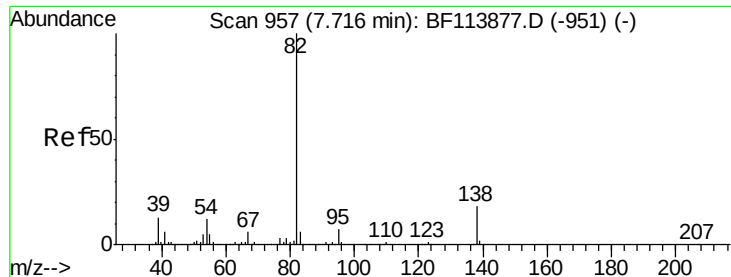
#23  
Nitrobenzene-d5  
Concen: 36.953 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 282375    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.9  | 36.8 55.2 |
| 54          | 43.0  | 33.8 50.6 |



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





#25

Isophorone

Concen: 18.059 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

Instrument :

BNA\_F

ClientSampleId :

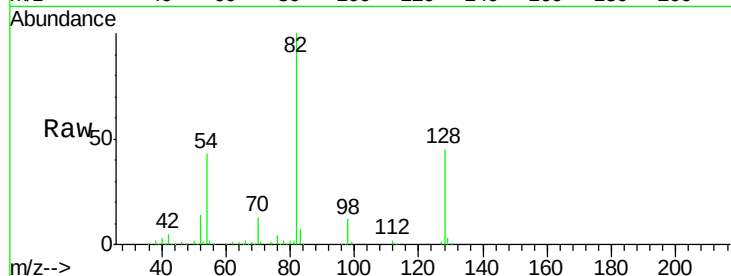
Tot Ion: 82 Resp: 282370

Ion Ratio Lower Upper

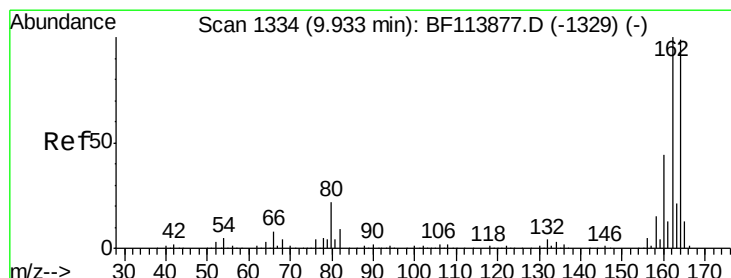
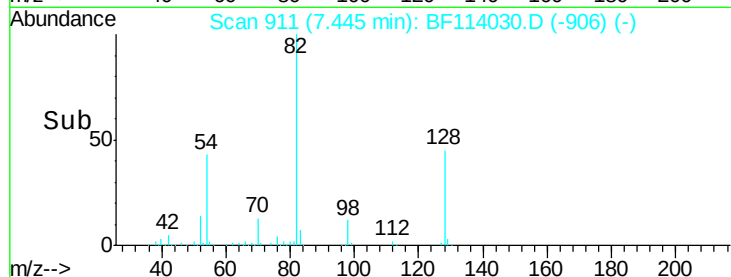
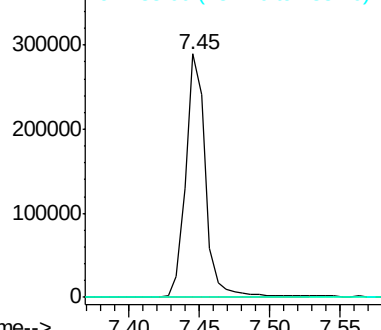
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

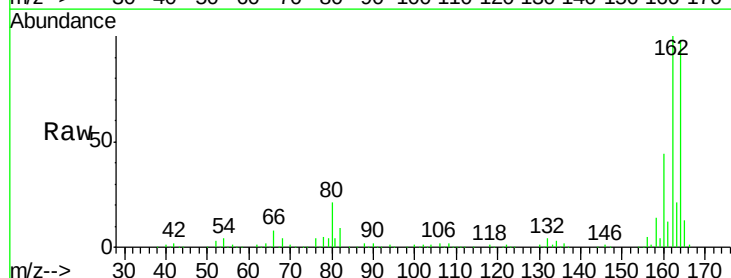
Tgt Ion:164 Resp: 221376

Ion Ratio Lower Upper

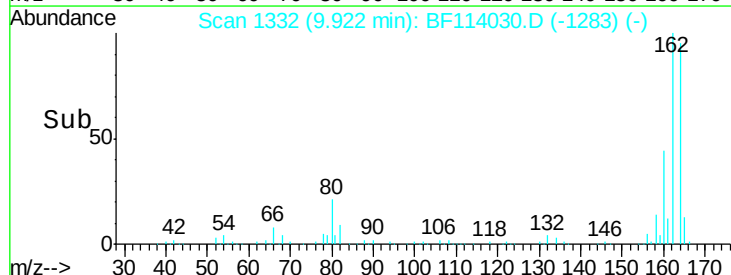
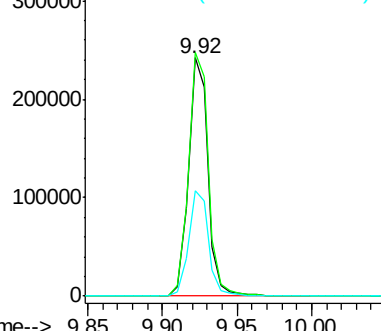
164 100

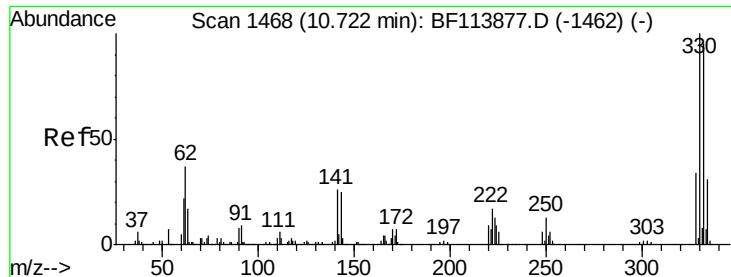
162 102.2 81.1 121.7

160 44.5 35.8 53.6



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

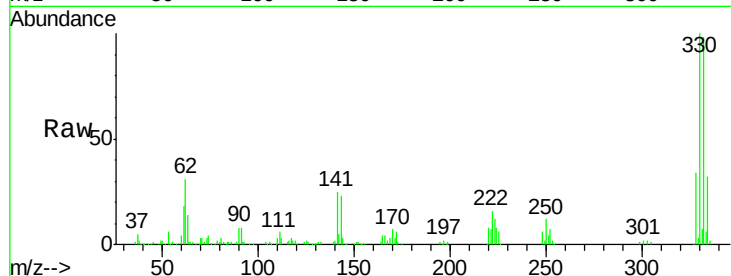




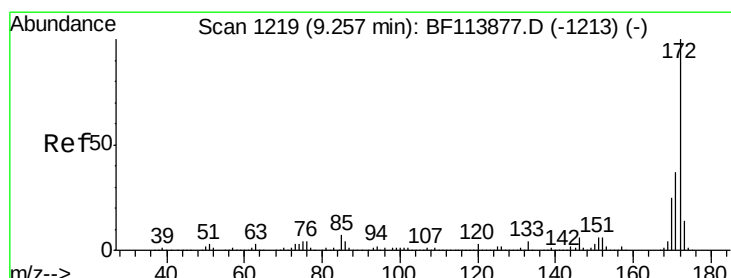
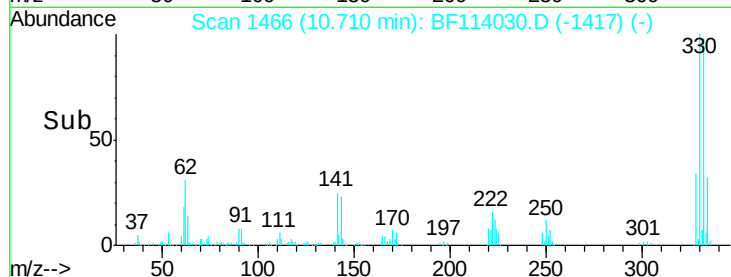
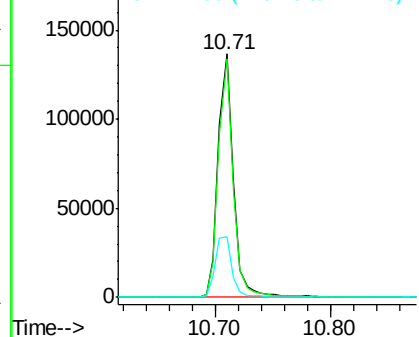
#42  
 2,4,6-Tribromophenol  
 Concen: 46.994 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.5  | 116.3 |
| 141     | 27.3  | 22.2  | 33.2  |

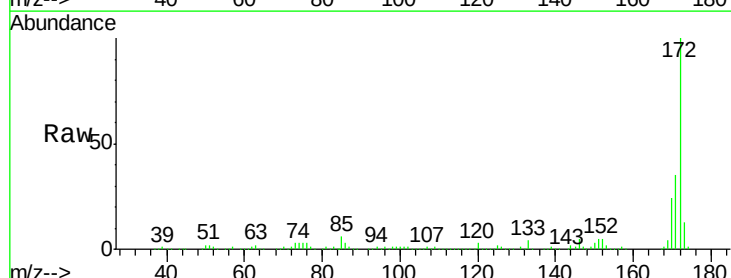


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

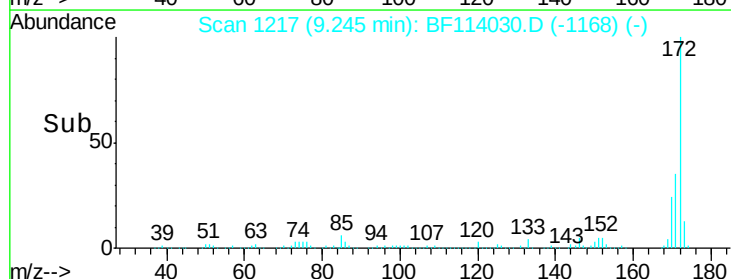
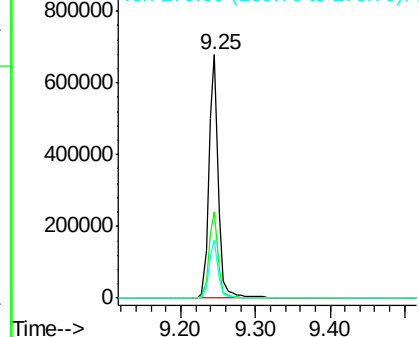


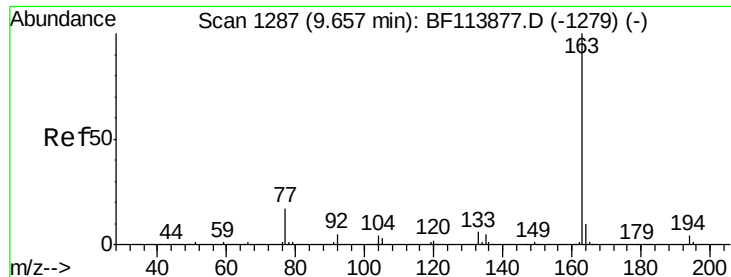
#45  
 2-Fluorobiphenyl  
 Concen: 42.324 ng  
 RT: 9.25 min Scan# 1217  
 Delta R.T. -0.01 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.4  | 44.0  |
| 170     | 23.8  | 19.9  | 29.9  |



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

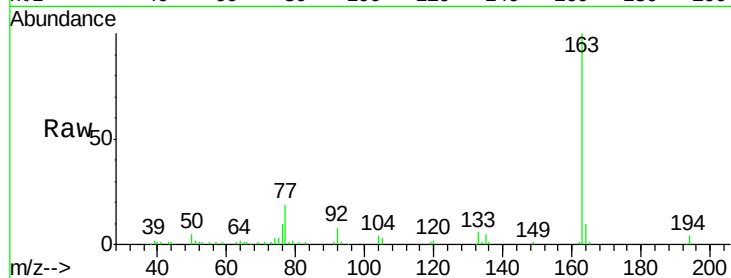




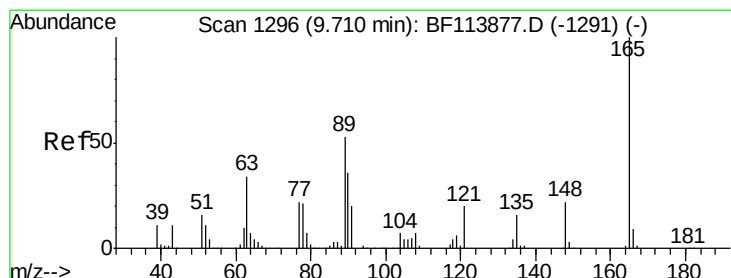
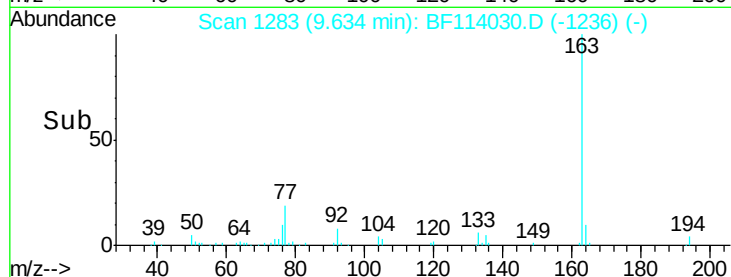
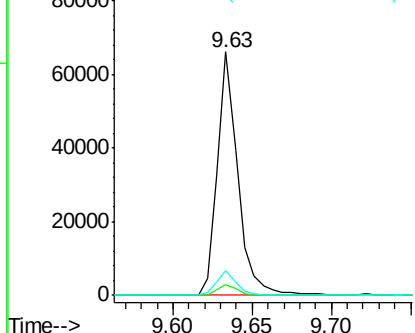
#50  
Dimethylphthalate  
Concen: 3.694 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.02 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 59141  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.2  
164 10.3 8.5 12.7

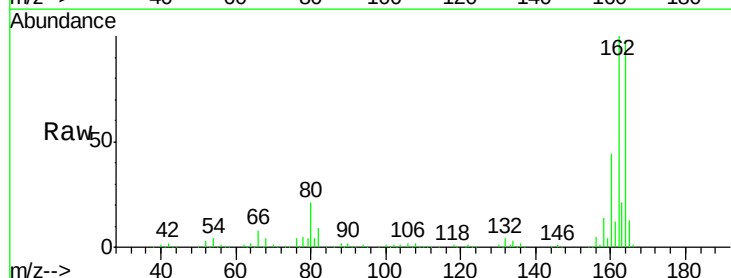


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

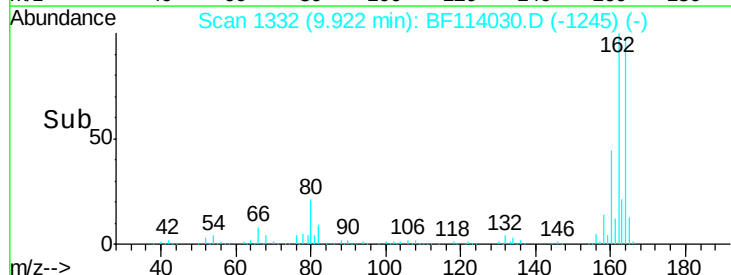
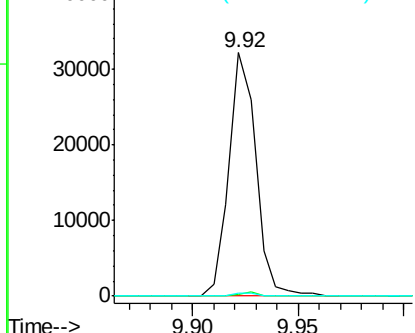


#51  
2,6-Dinitrotoluene  
Concen: 8.268 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.21 min  
Lab File: BF114030.D  
Acq: 29 Apr 2019 18:36

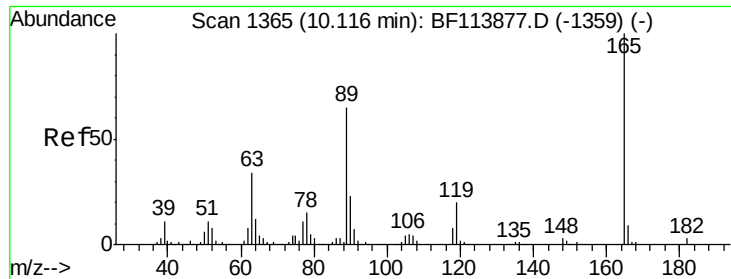
Tgt Ion:165 Resp: 28400  
Ion Ratio Lower Upper  
165 100  
63 1.0 33.8 50.8#  
89 1.4 38.2 57.2#



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



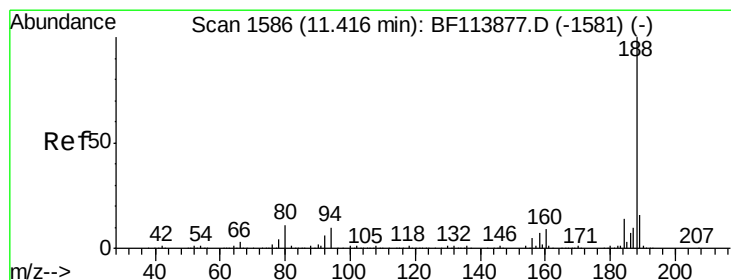
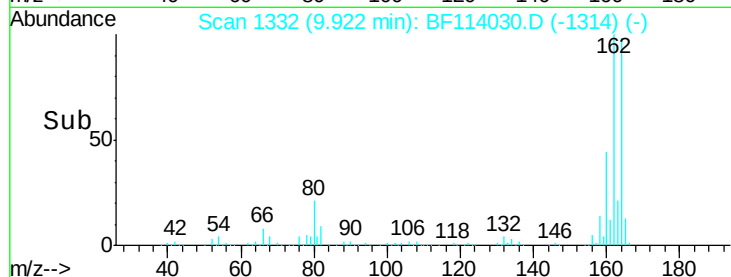
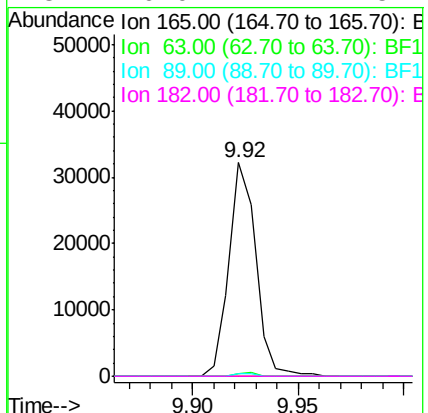
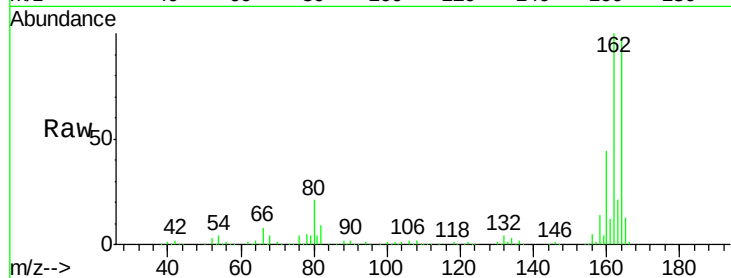




#57  
 2,4-Dinitrotoluene  
 Concen: 6.551 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.19 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

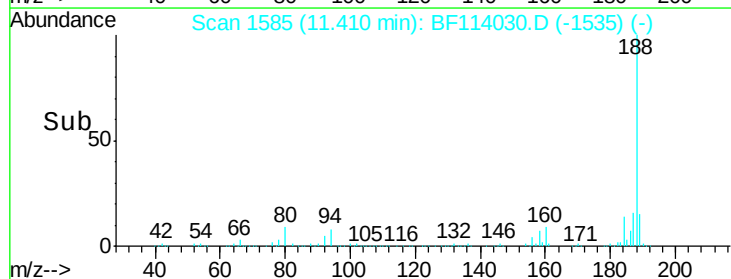
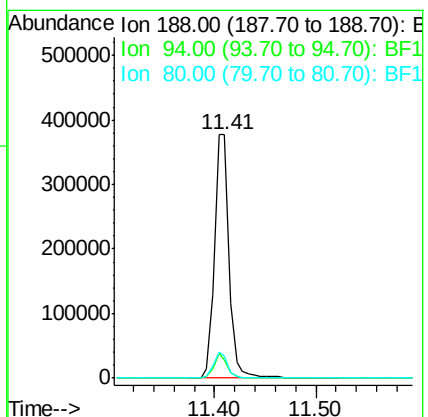
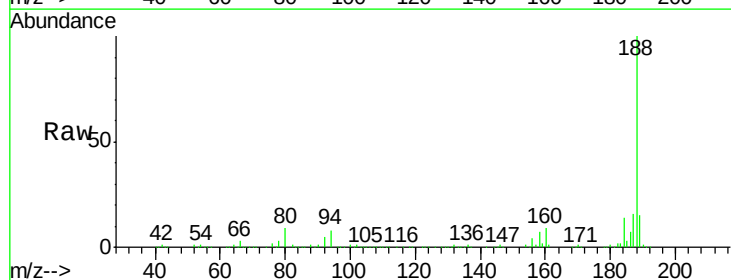
Instrument :  
 BNA\_F  
 ClientSampleId :

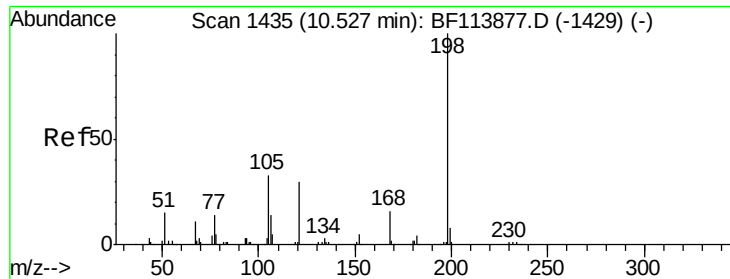
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 27.4  | 41.0# |
| 89      | 1.4   | 51.8  | 77.6# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 8.2   | 12.4# |
| 80      | 9.1   | 9.0   | 13.6  |

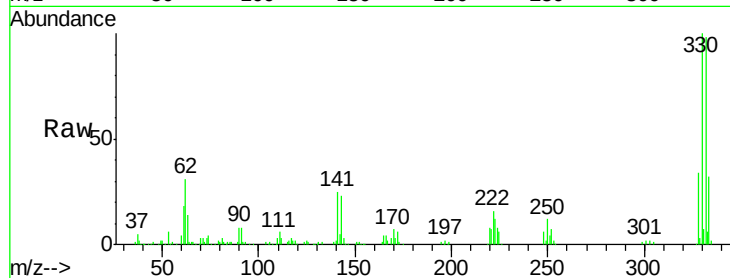




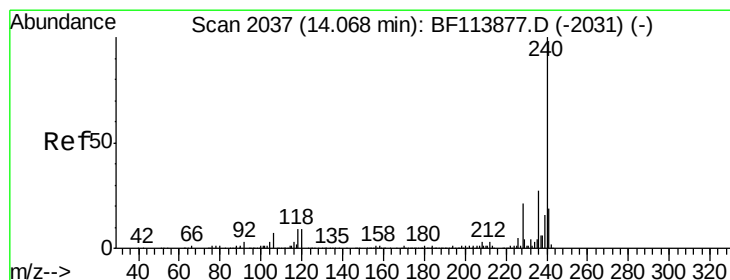
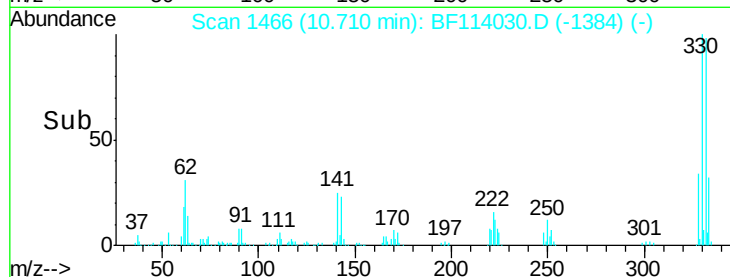
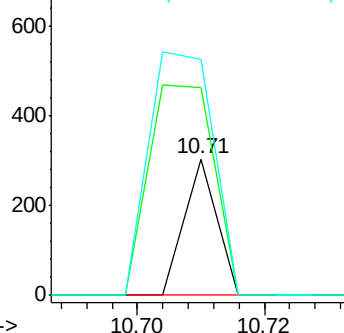
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.360 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.18 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 152.6 | 11.1  | 51.1# |
| 105     | 173.4 | 20.7  | 60.7# |

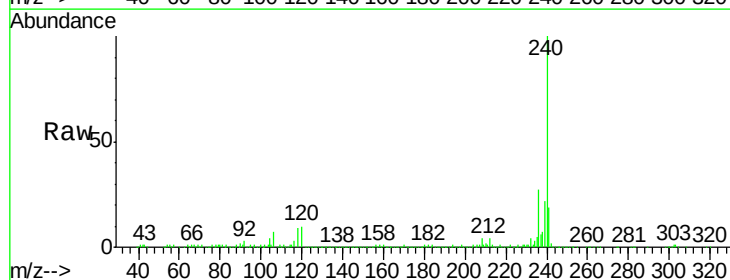


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

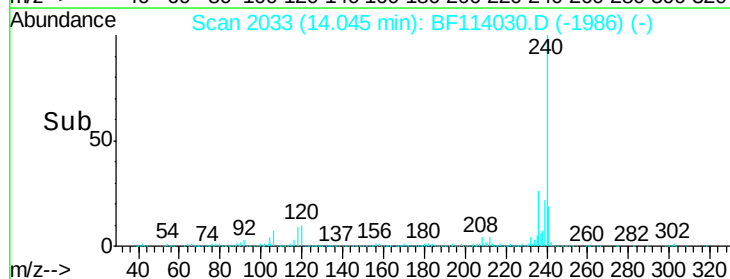
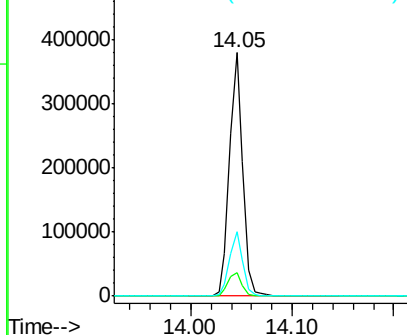


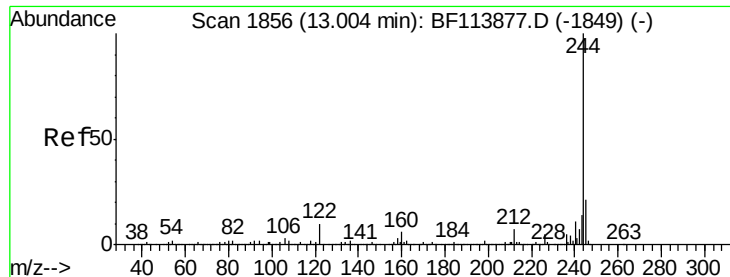
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.05 min Scan# 2033  
 Delta R.T. -0.02 min  
 Lab File: BF114030.D  
 Acq: 29 Apr 2019 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.7   | 9.3   | 13.9  |
| 236     | 26.5  | 21.2  | 31.8  |



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: 33.837 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

Instrument :

BNA\_F

ClientSampleId :

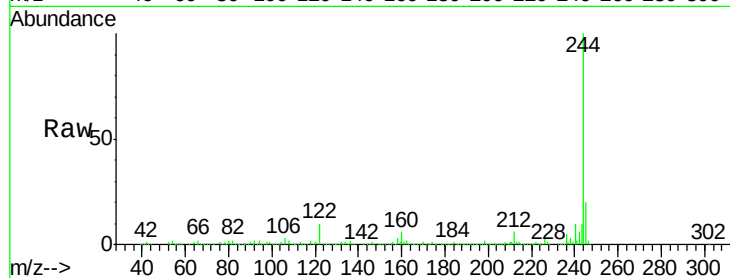
Tot Ion:244 Resp: 570383

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

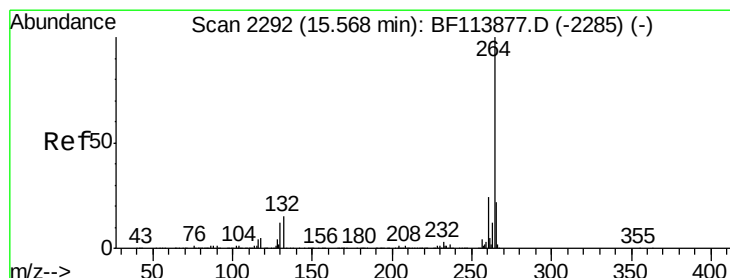
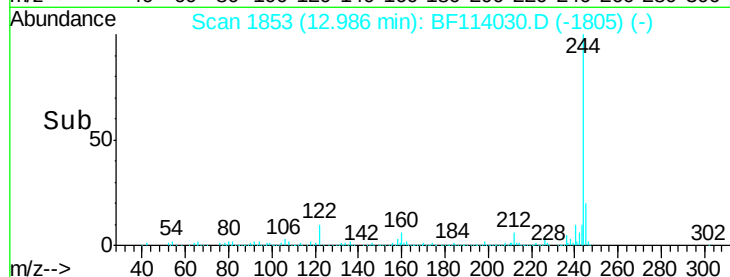
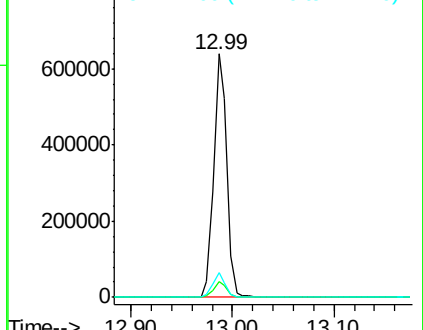
122 10.0 7.6 11.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF114030.D

Acq: 29 Apr 2019 18:36

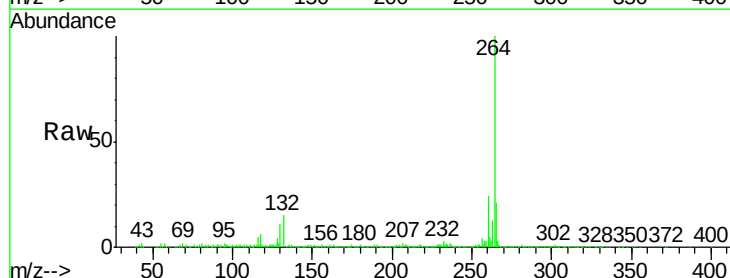
Tgt Ion:264 Resp: 403585

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 21.4 17.3 25.9



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

