

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\  
 Data File : BF111721.D  
 Acq On : 26 Dec 2018 18:47  
 Operator : JU/SJ  
 Sample : J6525-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 02:14:42 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

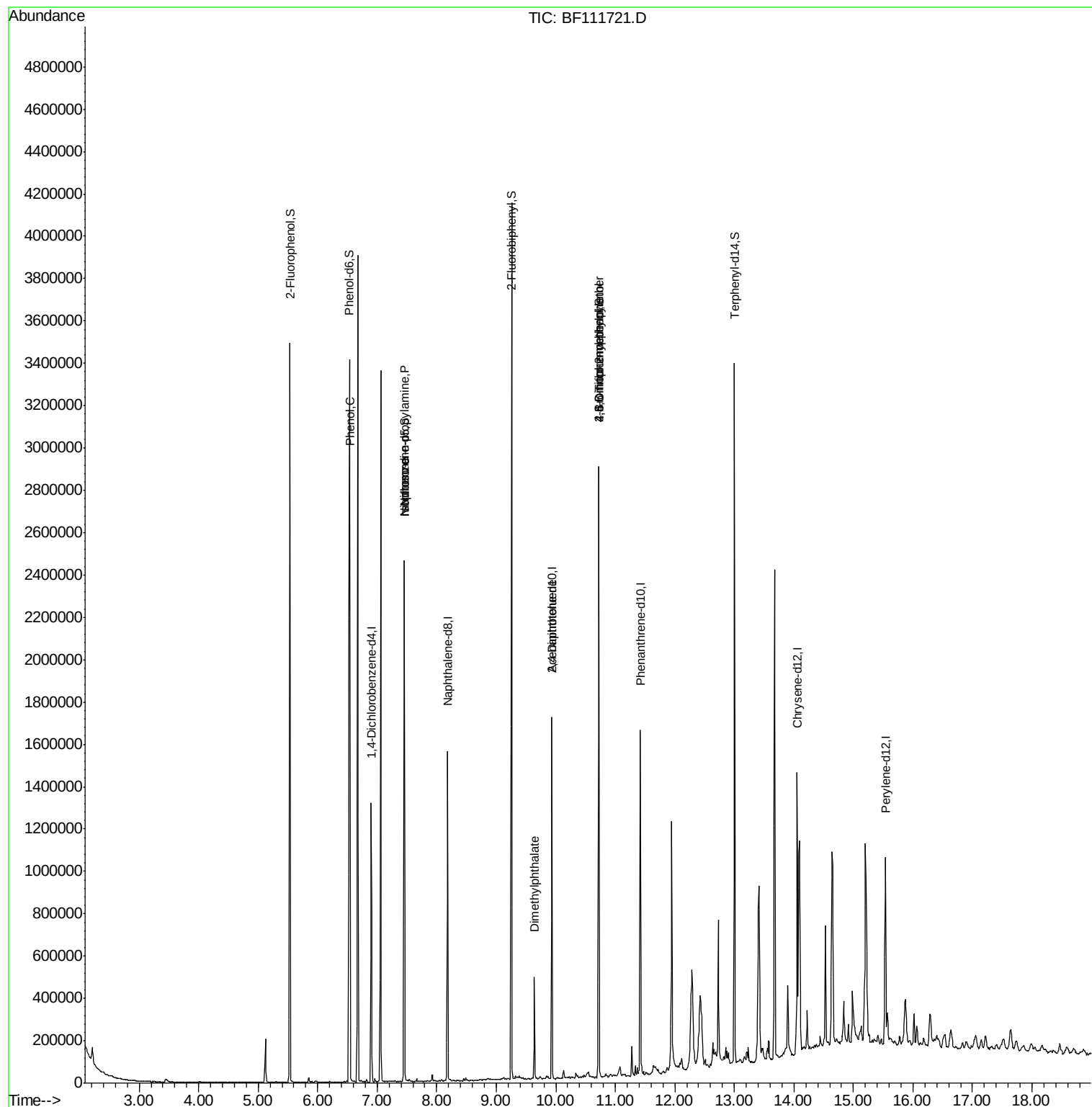
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 171660   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.18  | 136  | 640715   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 327197   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.42 | 188  | 565953   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.06 | 240  | 396833   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.54 | 264  | 420125   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 882705   | 87.65  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.53  | 99   | 1146815  | 89.48  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.46  | 82   | 734957   | 66.77  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.72 | 330  | 334745   | 86.59  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.26  | 172  | 1331271  | 59.30  | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.00 | 244  | 1054897  | 50.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.55  | 94   | 73868    | 5.108  | ng    | 97       |
| 19) n-Nitroso-di-n-propylamine | 7.46  | 70   | 100557   | 11.814 | ng    | # 77     |
| 25) Isophorone                 | 7.46  | 82   | 732271   | 37.473 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.65  | 163  | 197699   | 8.263  | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.93  | 165  | 41768    | 7.284  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 10.72 | 198  | 711      | 6.954  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.72 | 248  | 20097    | 2.863  | ng    | # 1      |

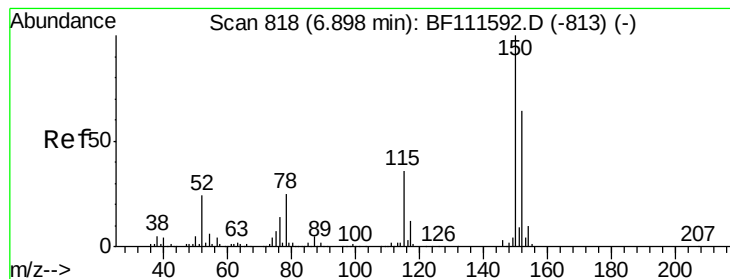
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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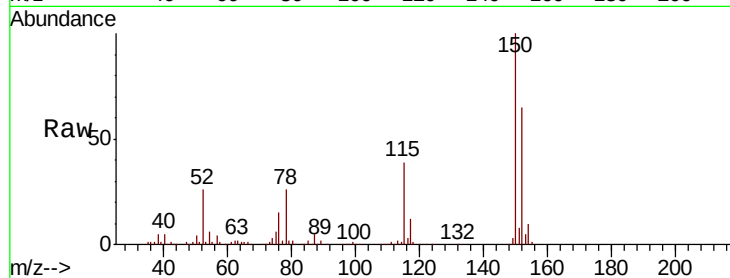


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 126.6 | 189.8 |
| 115     | 59.4  | 50.7  | 76.1  |

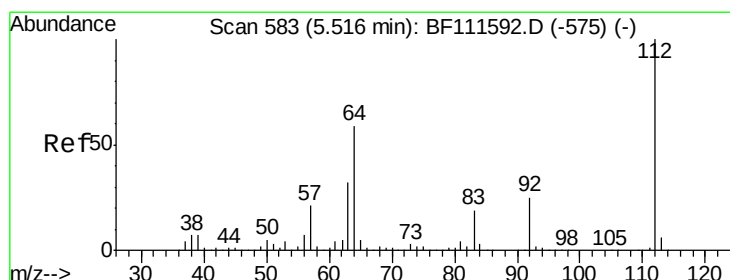
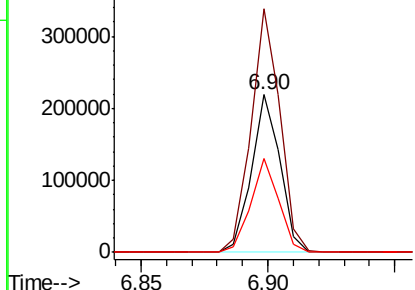
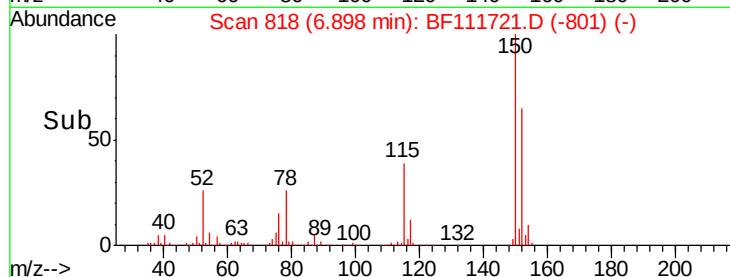


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

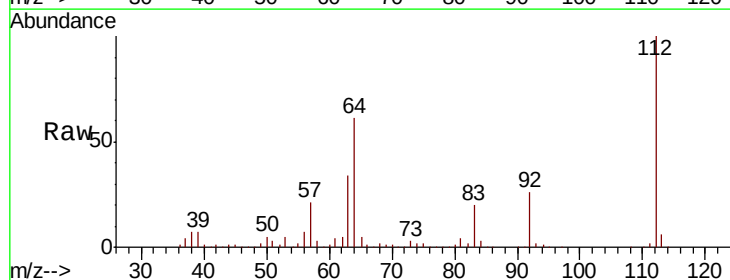
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 87.650 ng  
RT: 5.53 min Scan# 586  
Delta R.T. 0.02 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.7  | 51.8  | 77.6  |
| 63      | 33.6  | 26.8  | 40.2  |

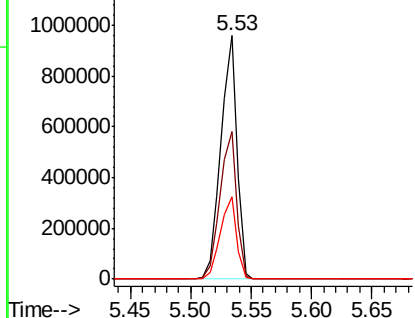
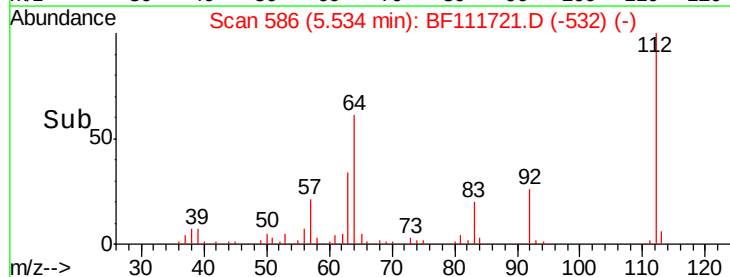


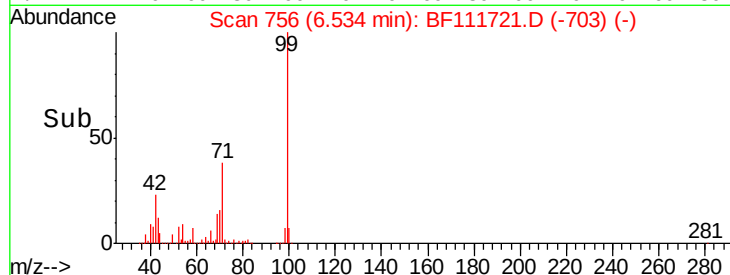
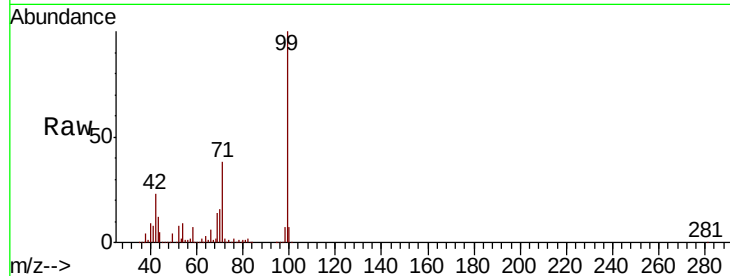
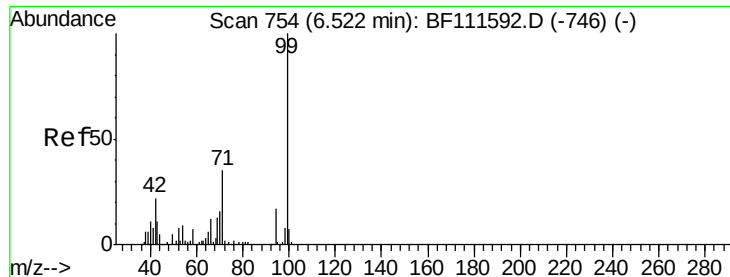
Abundance

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: 89.479 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111721.D

Acq: 26 Dec 2018 18:47

Instrument :

BNA\_F

ClientSampled :

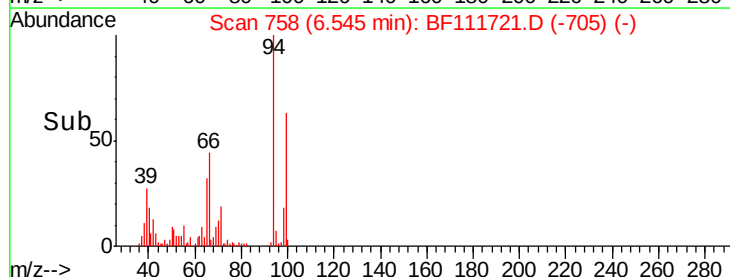
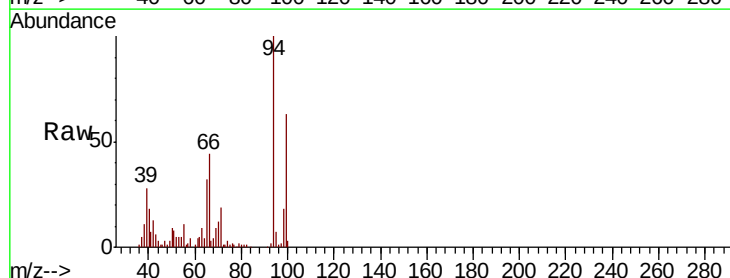
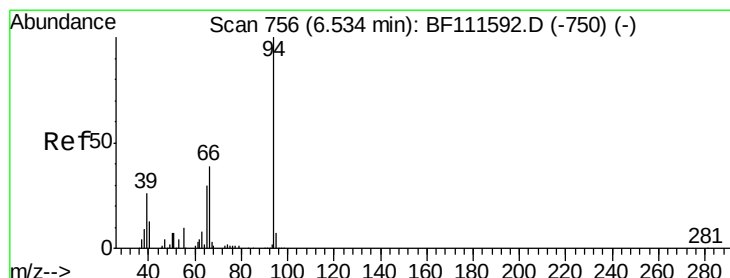
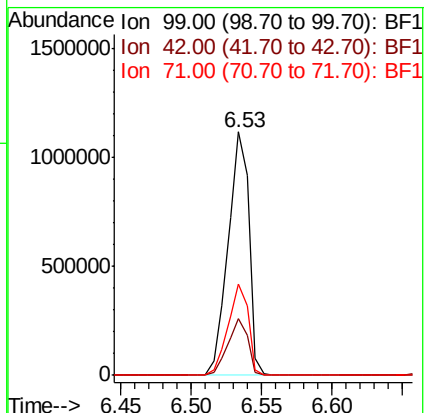
Tot Ion: 99 Resp: 1146815

Ion Ratio Lower Upper

99 100

42 23.1 17.4 26.0

71 37.5 26.1 39.1



#10

Phenol

Concen: 5.108 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111721.D

Acq: 26 Dec 2018 18:47

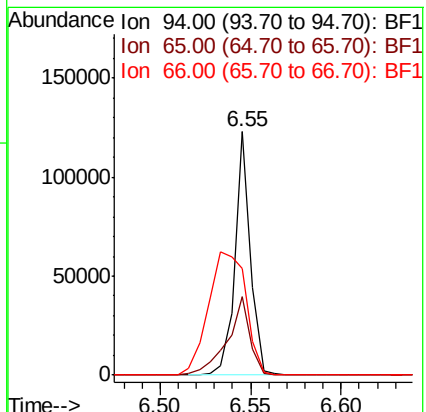
Tgt Ion: 94 Resp: 73868

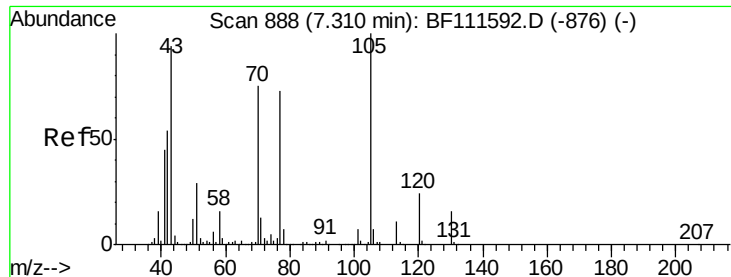
Ion Ratio Lower Upper

94 100

65 32.4 11.7 51.7

66 43.7 21.0 61.0

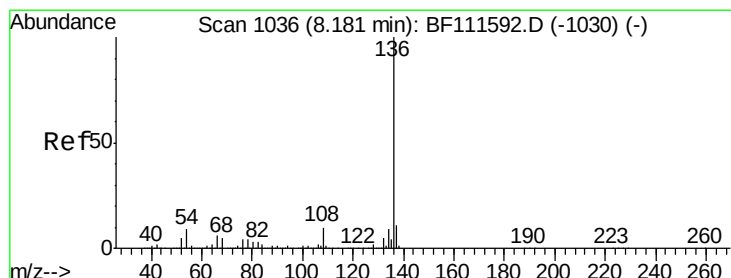
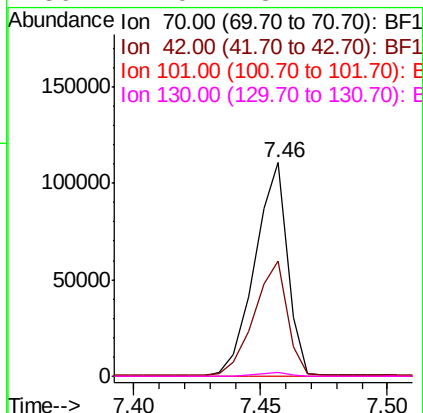
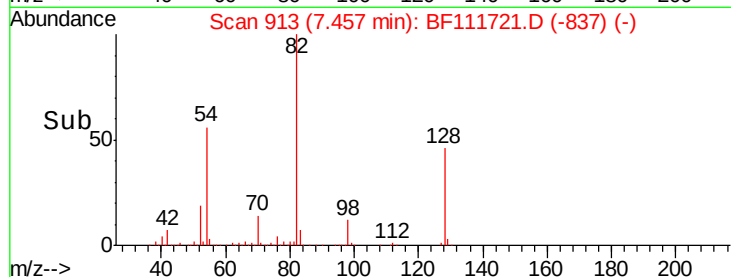
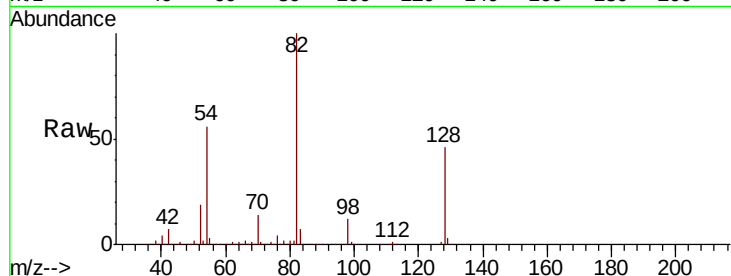




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.814 ng  
RT: 7.46 min Scan# 913  
Delta R.T. 0.15 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

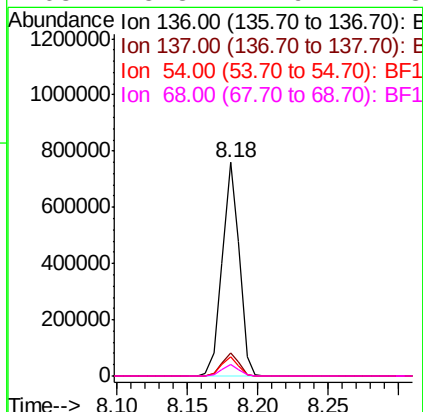
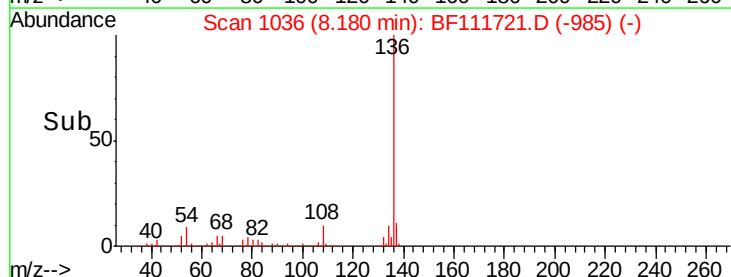
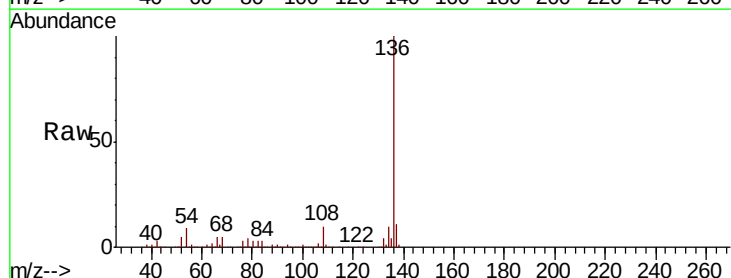
Instrument :  
BNA\_F  
ClientSampleId :

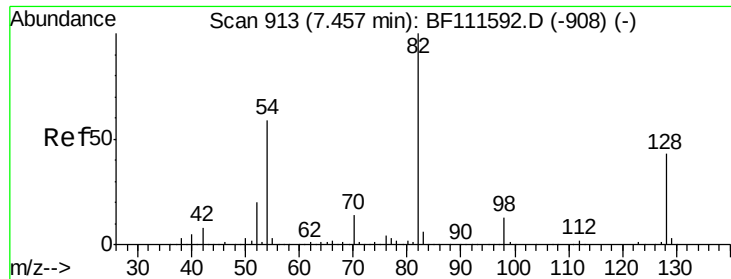
Tot Ion: 70 Resp: 100557  
Ion Ratio Lower Upper  
70 100  
42 54.0 53.2 79.8  
101 0.0 8.2 12.4#  
130 2.0 18.1 27.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Tgt Ion: 136 Resp: 640715  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.1 13.7  
54 9.0 7.7 11.5  
68 5.3 4.9 7.3

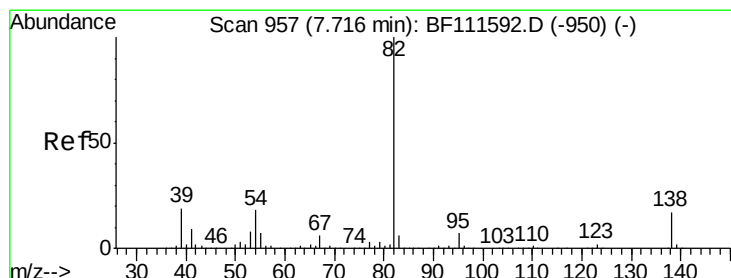
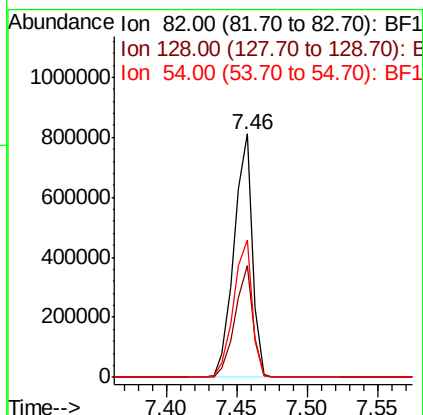
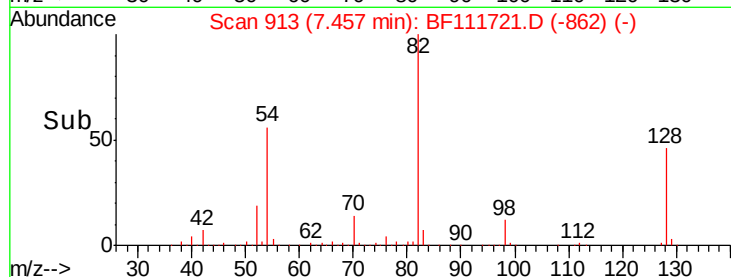
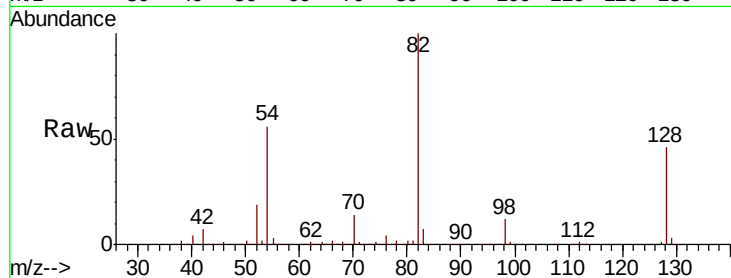




#23  
Nitrobenzene-d5  
Concen: 66.769 ng  
RT: 7.46 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

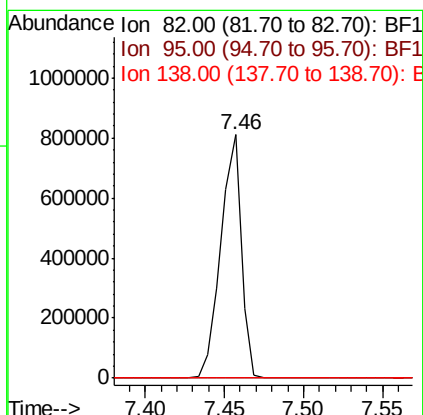
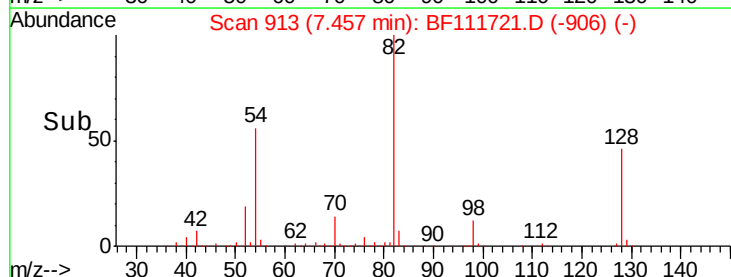
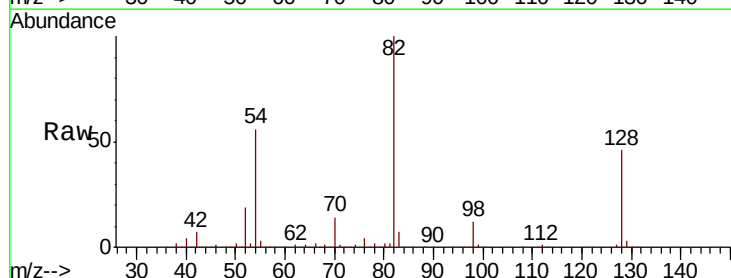
Instrument :  
BNA\_F  
ClientSampleId :

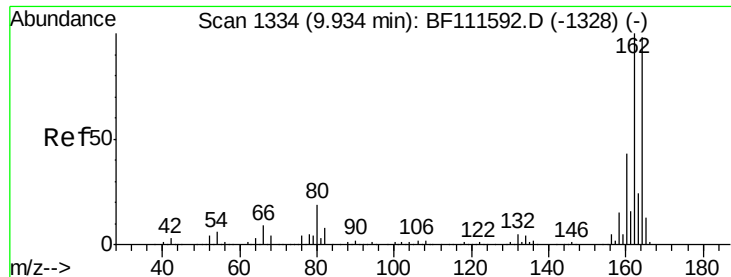
| Tot Ion   | 82   | Resp  | 734957 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.0 | 37.4  | 56.2   |
| 54        | 56.2 | 47.6  | 71.4   |



#25  
Isophorone  
Concen: 37.473 ng  
RT: 7.46 min Scan# 913  
Delta R.T. -0.26 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

| Tgt Ion   | 82  | Resp  | 732271 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 5.4   | 8.2#   |
| 138       | 0.0 | 15.1  | 22.7#  |

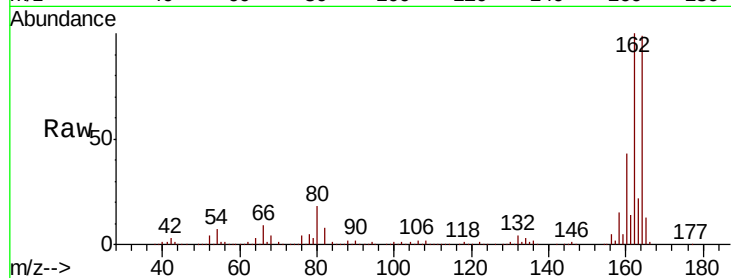




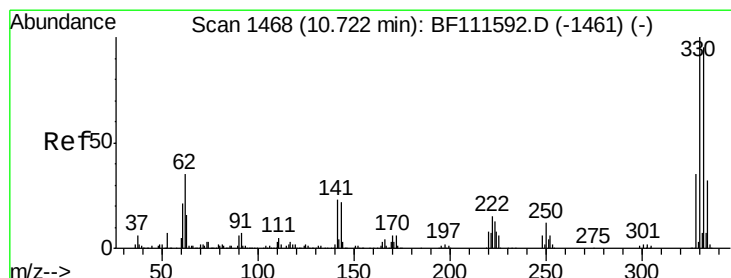
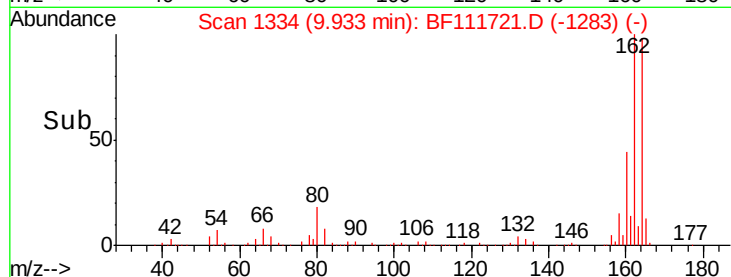
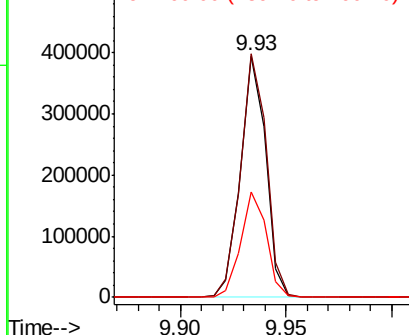
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 327197  
Ion Ratio Lower Upper  
164 100  
162 101.0 81.4 122.0  
160 43.9 35.7 53.5

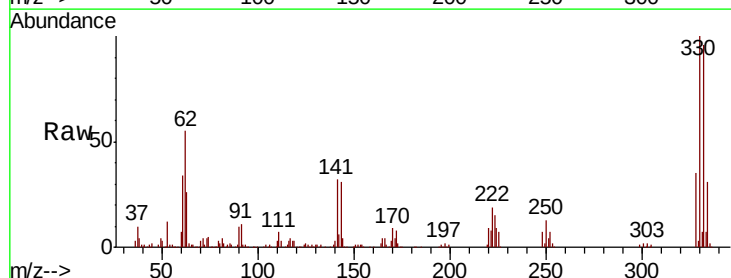


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

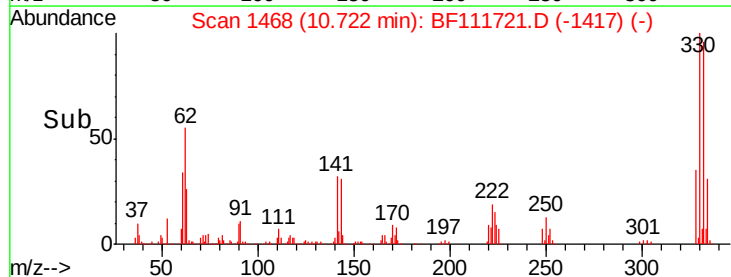
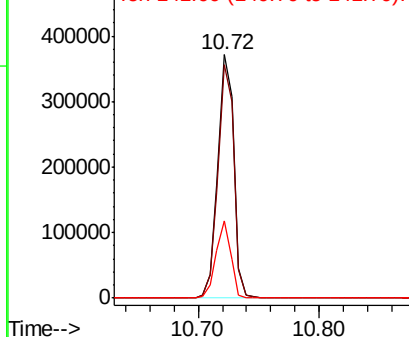


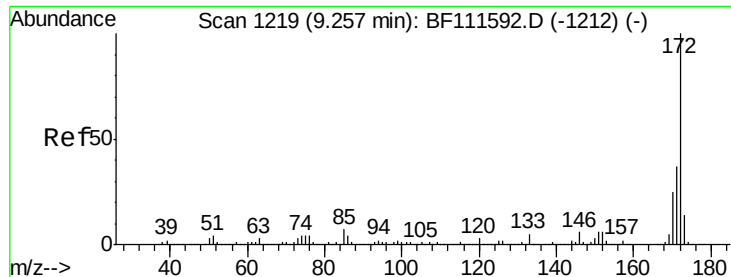
#42  
2,4,6-Tribromophenol  
Concen: 86.585 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Tgt Ion:330 Resp: 334745  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.0 114.0  
141 29.7 31.0 46.6#



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

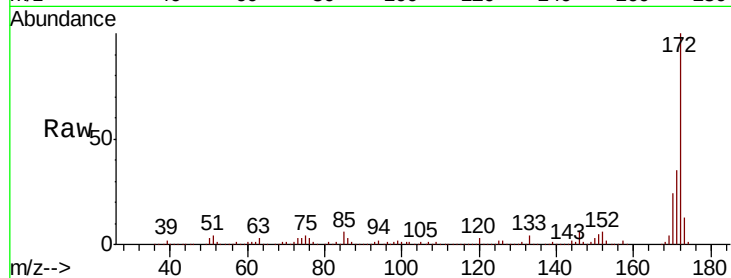




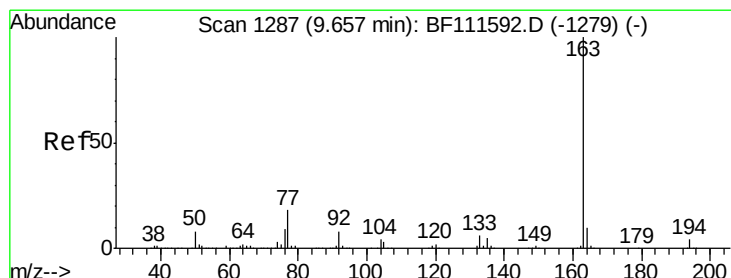
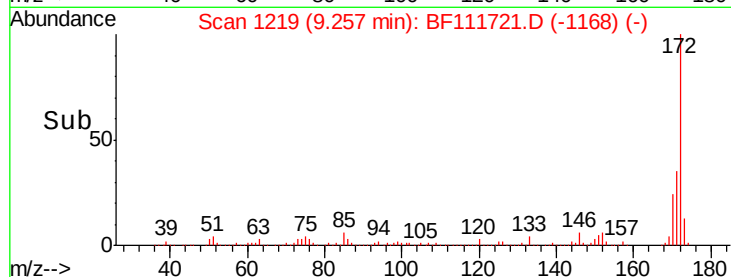
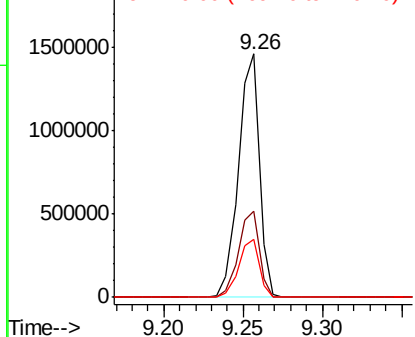
#45  
2-Fluorobiphenyl  
Concen: 59.305 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1331271  
Ion Ratio Lower Upper  
172 100  
171 35.4 33.0 49.4  
170 24.1 22.3 33.5

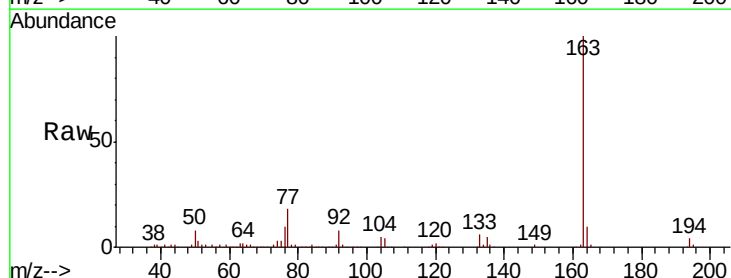


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

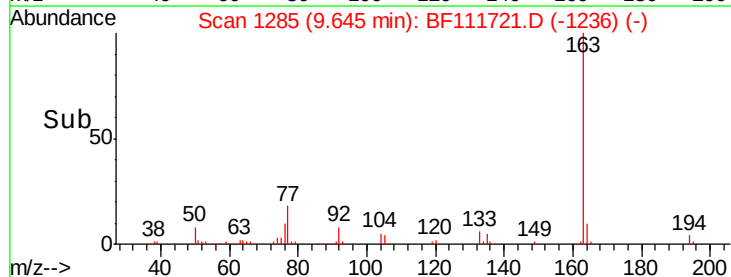
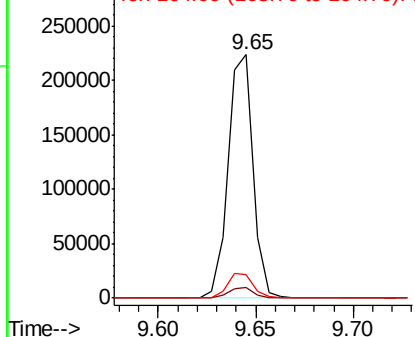


#50  
Dimethylphthalate  
Concen: 8.263 ng  
RT: 9.65 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

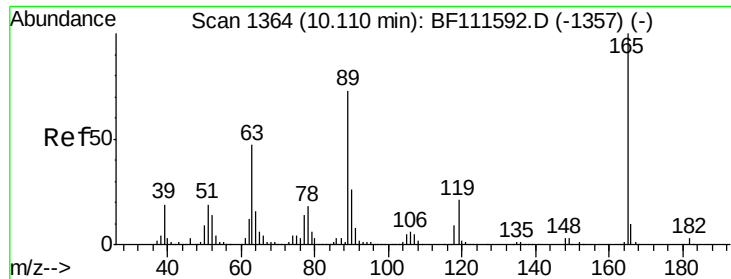
Tgt Ion:163 Resp: 197699  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.0 4.6  
164 9.6 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E  
300000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



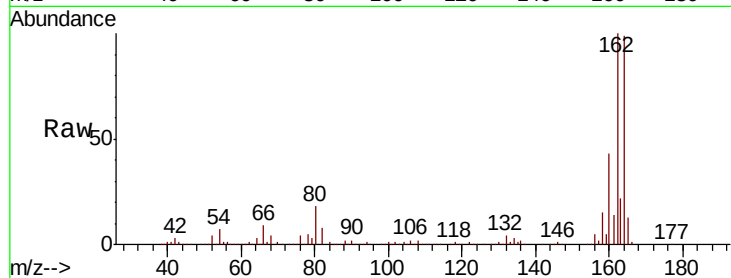




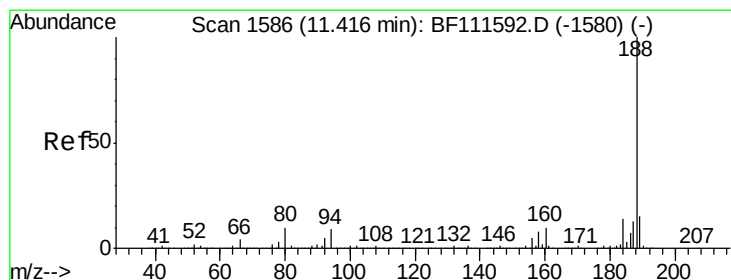
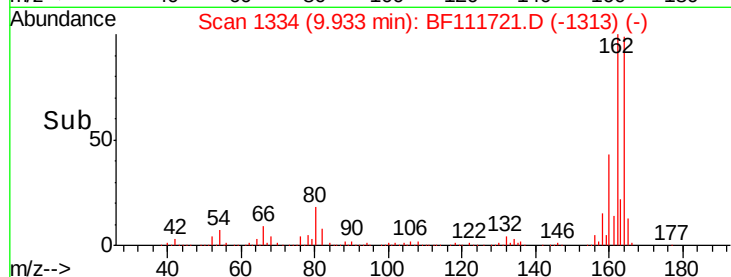
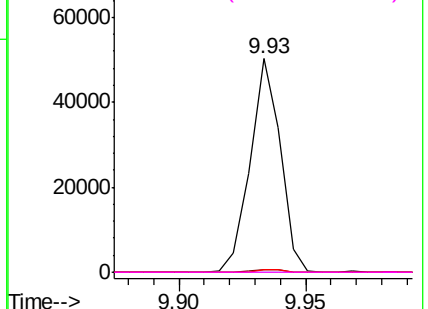
#57  
 2,4-Dinitrotoluene  
 Concen: 7.284 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.18 min  
 Lab File: BF111721.D  
 Acq: 26 Dec 2018 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 41768      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.3   | 34.6 52.0# |
| 89          | 1.2   | 56.2 84.4# |
| 182         | 0.0   | 1.8 2.6#   |

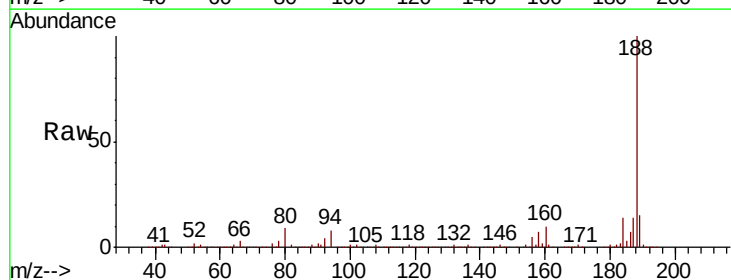


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

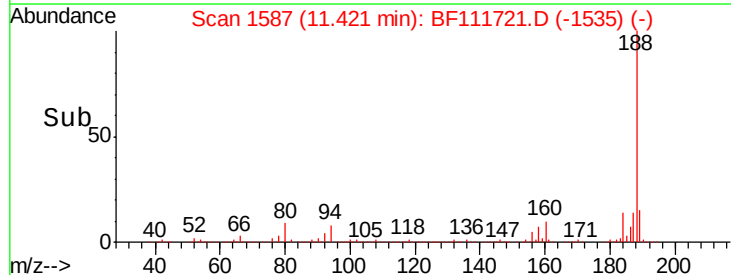
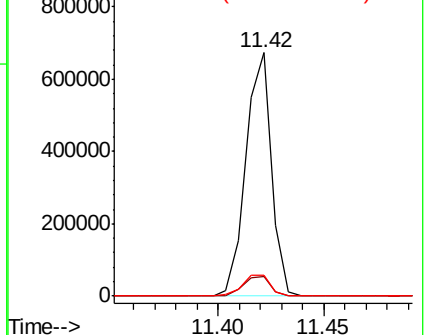


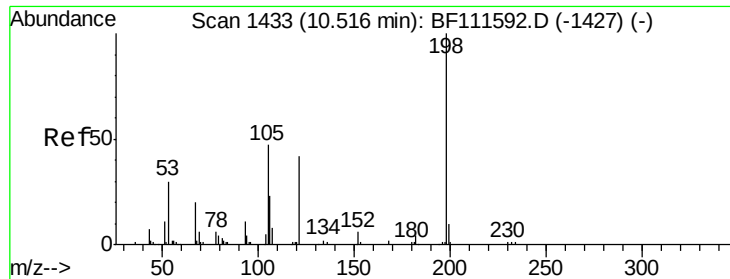
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: BF111721.D  
 Acq: 26 Dec 2018 18:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:188 | Resp: | 565953    |
| Ion Ratio   | Lower | Upper     |
| 188         | 100   |           |
| 94          | 8.2   | 9.6 14.4# |
| 80          | 8.6   | 9.8 14.6# |



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

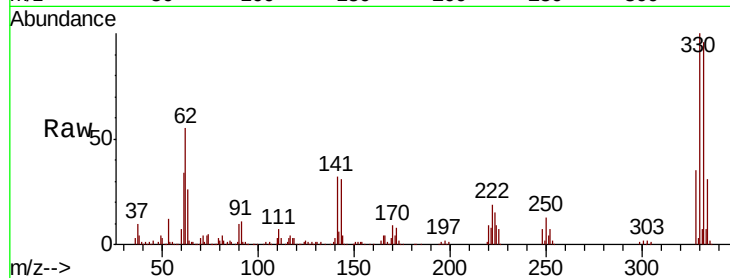




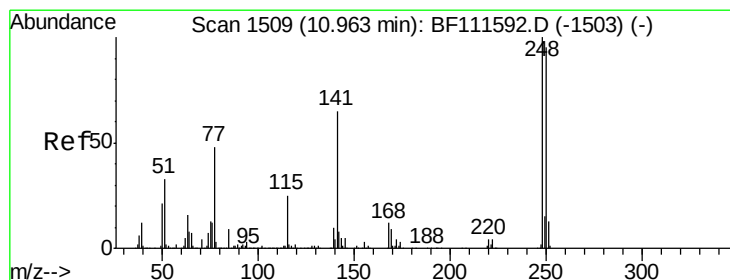
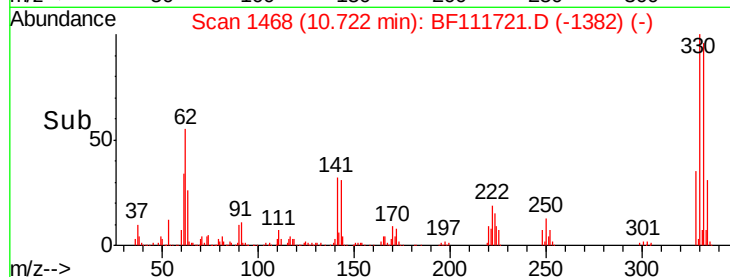
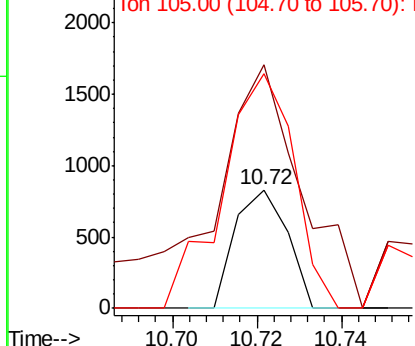
#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.954 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. 0.21 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:198 Resp: 711  
Ion Ratio Lower Upper  
198 100  
51 205.8 48.0 88.0#  
105 198.4 34.0 74.0#

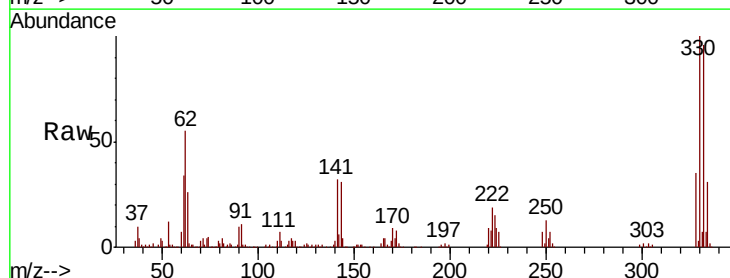


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

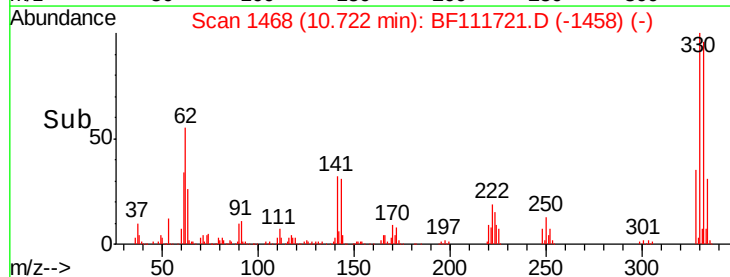
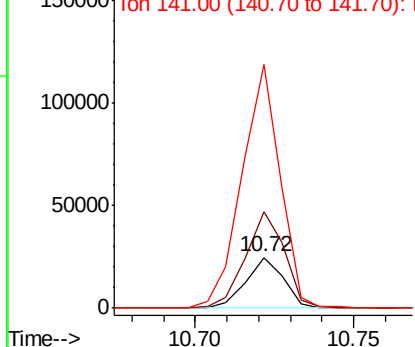


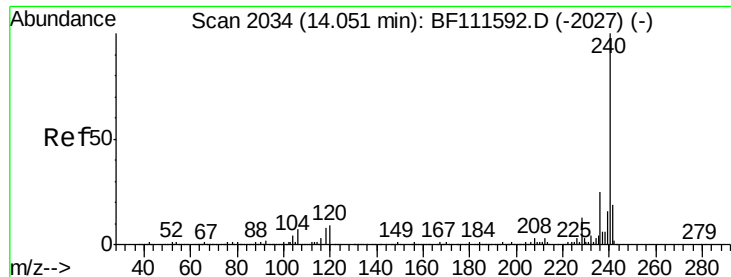
#67  
4-Bromophenyl-phenylether  
Concen: 2.863 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. -0.24 min  
Lab File: BF111721.D  
Acq: 26 Dec 2018 18:47

Tgt Ion:248 Resp: 20097  
Ion Ratio Lower Upper  
248 100  
250 190.7 77.0 115.4#  
141 479.3 63.0 94.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

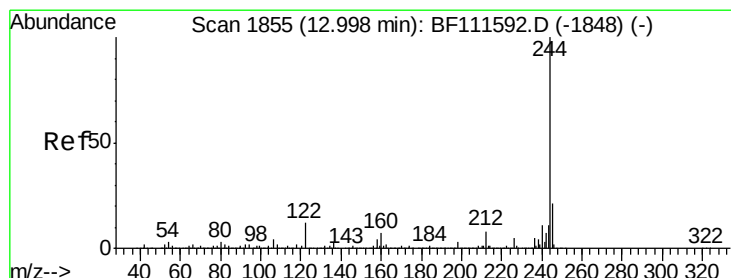
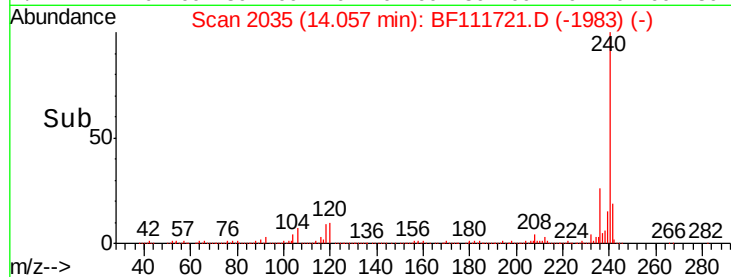
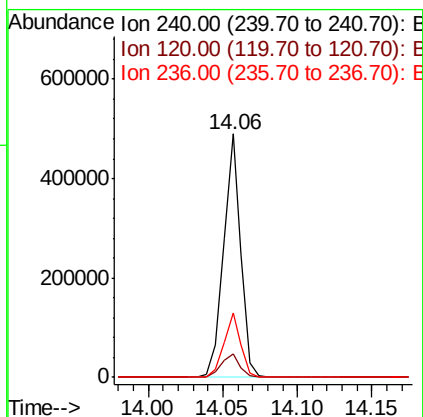
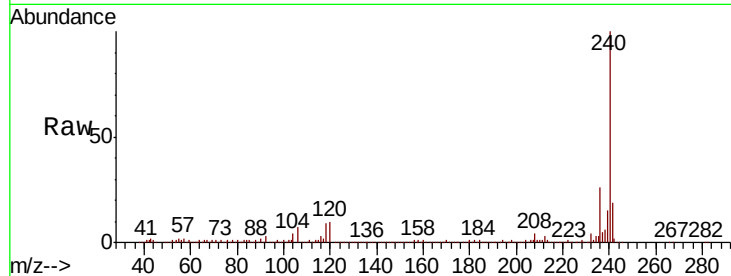




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. 0.01 min  
 Lab File: BF111721.D  
 Acq: 26 Dec 2018 18:47

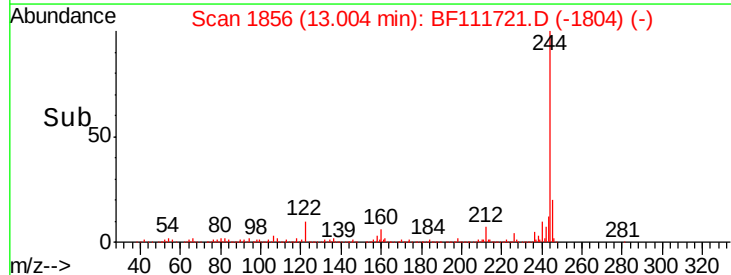
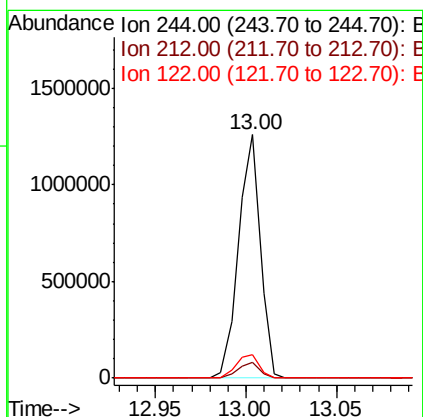
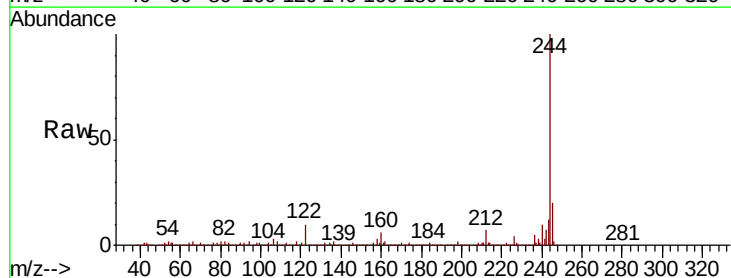
Instrument :  
 BNA\_F  
 ClientSampleId :

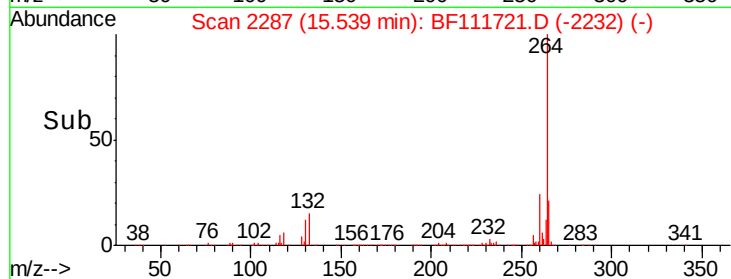
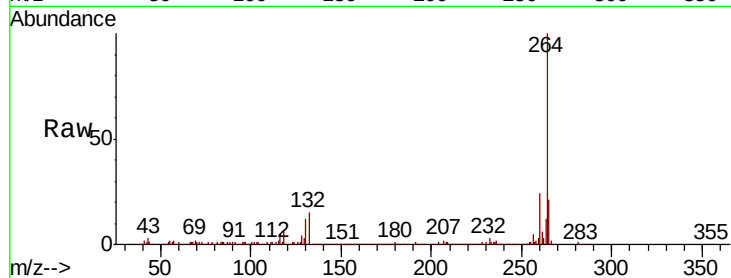
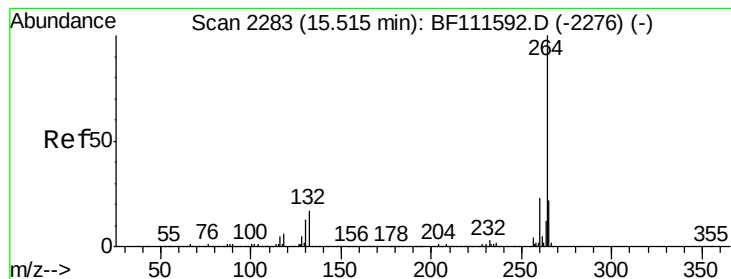
Tot Ion:240 Resp: 396833  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 12.2 18.2#  
 236 26.3 20.2 30.2



#79  
 Terphenyl-d14  
 Concen: 50.412 ng  
 RT: 13.00 min Scan# 1856  
 Delta R.T. 0.01 min  
 Lab File: BF111721.D  
 Acq: 26 Dec 2018 18:47

Tgt Ion:244 Resp: 1054897  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.7 8.5  
 122 9.7 13.1 19.7#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111721.D

Acq: 26 Dec 2018 18:47

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 264 Resp: 420125

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 21.1 17.7 26.5

