

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\  
 Data File : BF110364.D  
 Acq On : 1 Nov 2018 13:12  
 Operator : JU/SJ  
 Sample : J5741-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 01 15:52:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 31 14:18:16 2018  
 Response via : Initial Calibration

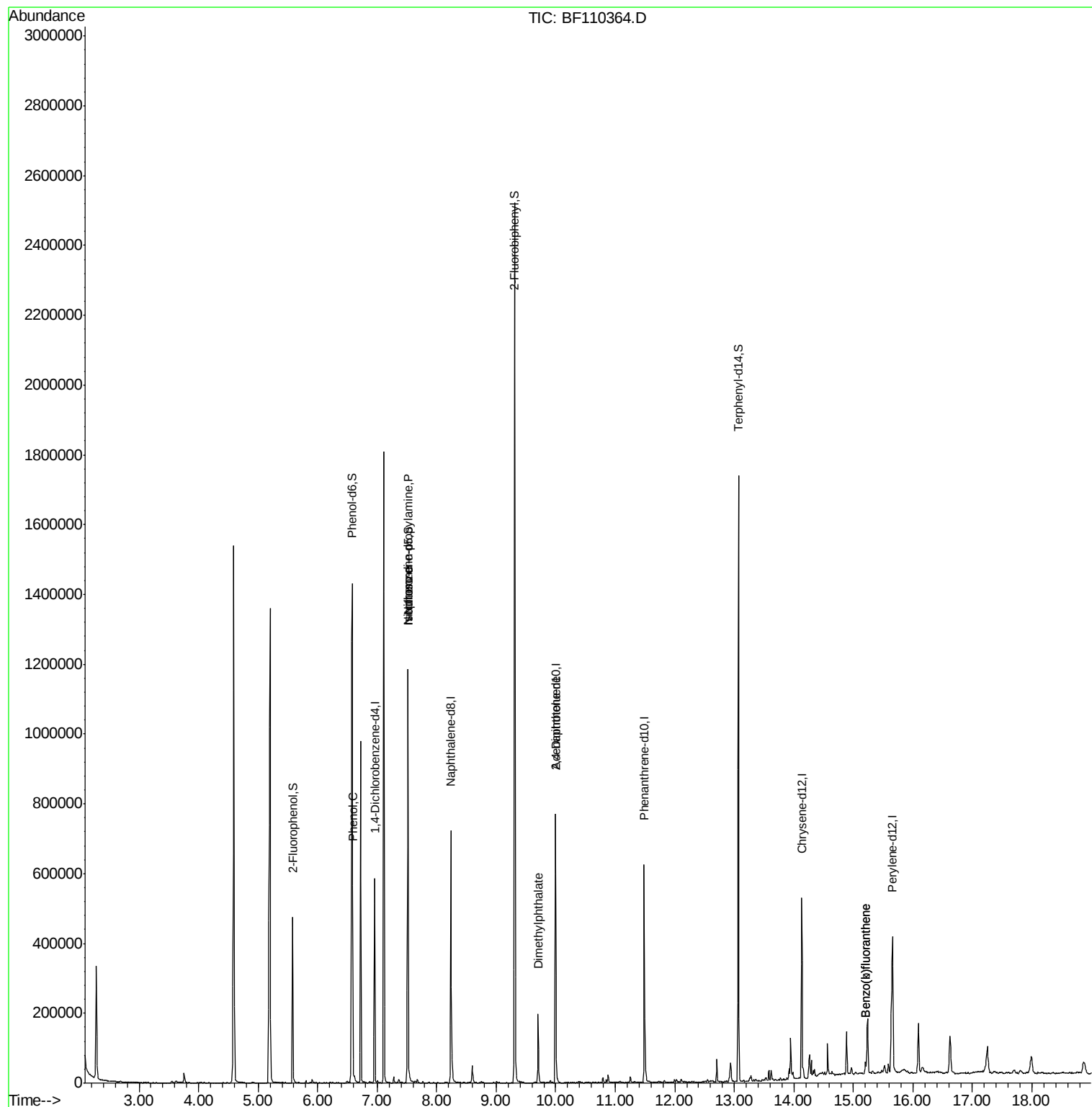
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 86248    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.24  | 136  | 343883   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 10.00 | 164  | 155310   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.49 | 188  | 248307   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12               | 14.13 | 240  | 165943   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12               | 15.66 | 264  | 182805   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 134161   | 25.33  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.58  | 99   | 500202   | 73.84  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 431105   | 74.36  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.79 | 330  | 2210     | 1.44   | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.31  | 172  | 819276   | 82.83  | ng    | -0.02    |
| 79) Terphenyl-d14              | 13.07 | 244  | 553204   | 69.33  | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.59  | 94   | 71258    | 9.840  | ng    | # 61     |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 56880    | 13.088 | ng    | # 84     |
| 25) Isophorone                 | 7.52  | 82   | 431101   | 43.621 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.70  | 163  | 94943    | 8.281  | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 10.00 | 165  | 19237    | 6.133  | ng    | # 18     |
| 88) Benzo(b)fluoranthene       | 15.20 | 252  | 27565    | 2.611  | ng    | # 93     |
| 89) Benzo(k)fluoranthene       | 15.20 | 252  | 27565    | 2.656  | ng    | # 92     |

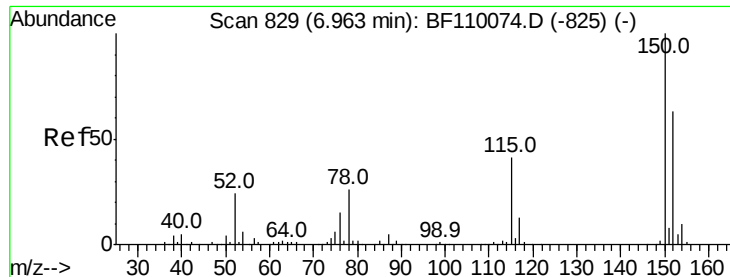
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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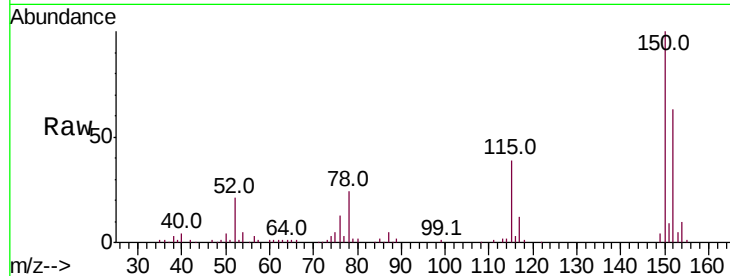


#1

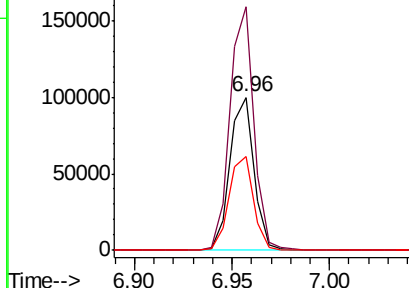
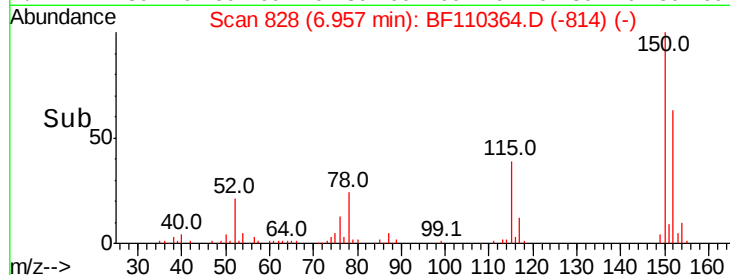
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.02 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 86248  
Ion Ratio Lower Upper  
152 100  
150 158.9 122.7 184.1  
115 61.4 49.1 73.7



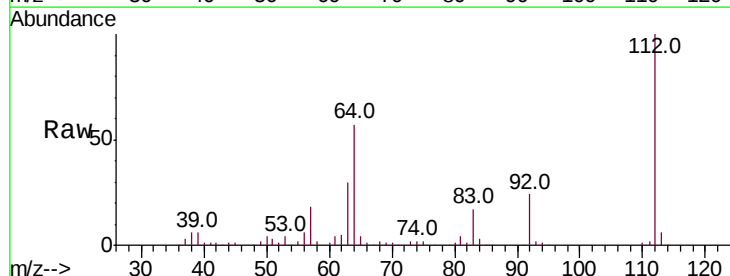
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



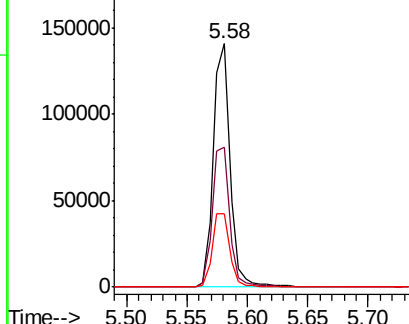
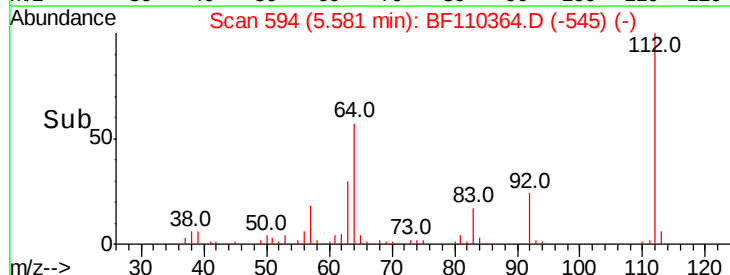
#5

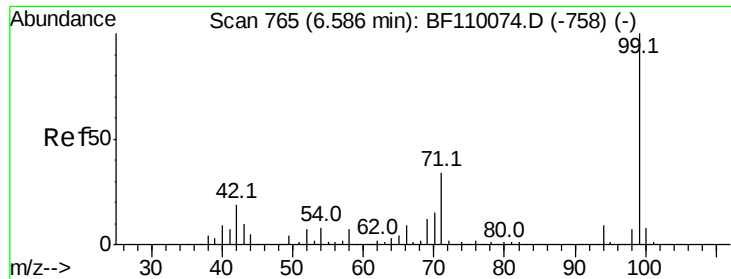
2-Fluorophenol  
Concen: 25.331 ng  
RT: 5.58 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

Tgt Ion:112 Resp: 134161  
Ion Ratio Lower Upper  
112 100  
64 57.3 44.1 66.1  
63 30.0 23.7 35.5



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: 73.837 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110364.D

Acq: 1 Nov 2018 13:12

Instrument :

BNA\_F

ClientSampleId :

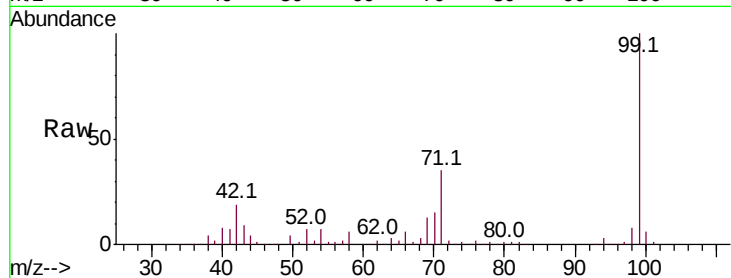
Tot Ion: 99 Resp: 500202

Ion Ratio Lower Upper

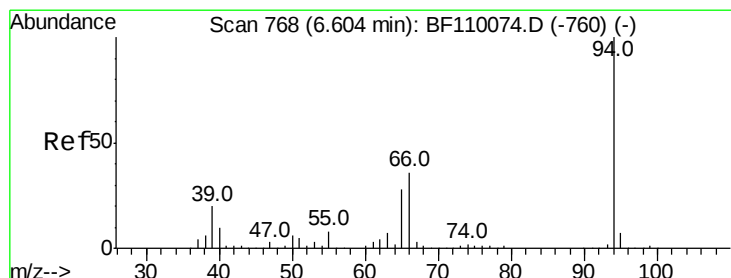
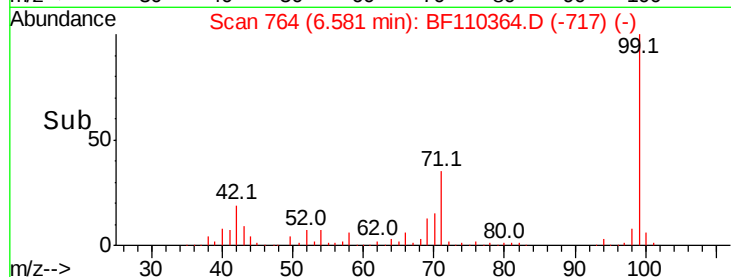
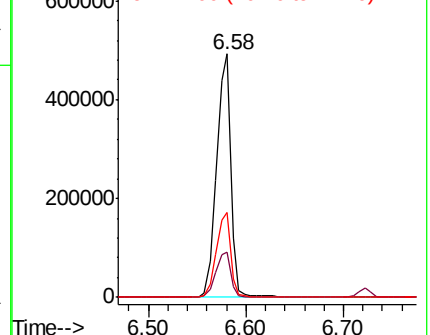
99 100

42 18.8 15.8 23.6

71 34.9 28.0 42.0



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: 9.840 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110364.D

Acq: 1 Nov 2018 13:12

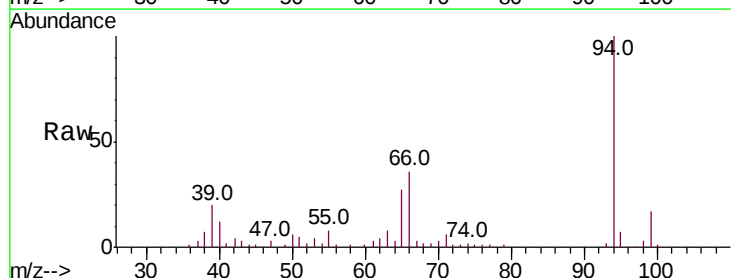
Tgt Ion: 94 Resp: 71258

Ion Ratio Lower Upper

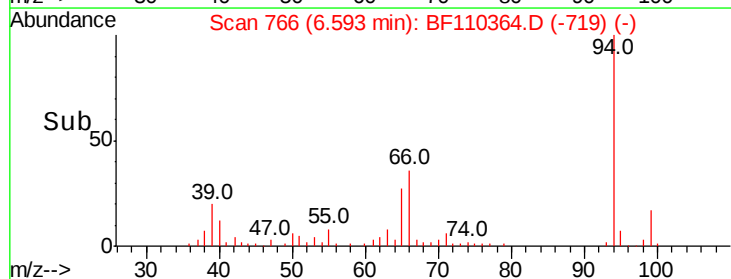
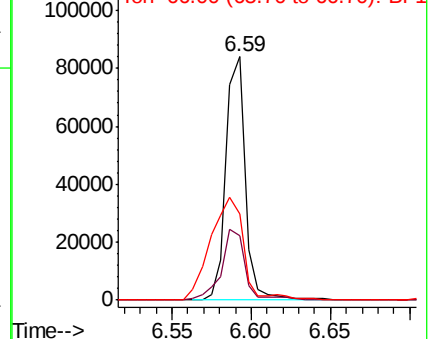
94 100

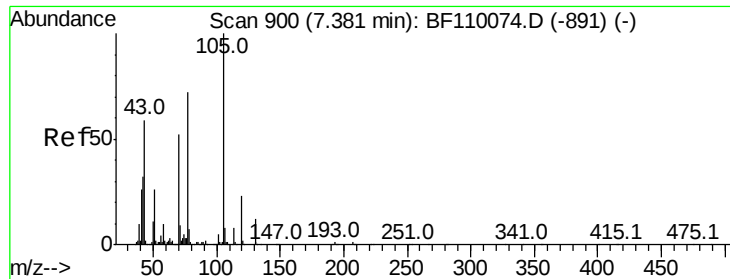
65 26.5 25.3 65.3

66 35.6 54.5 94.5#



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

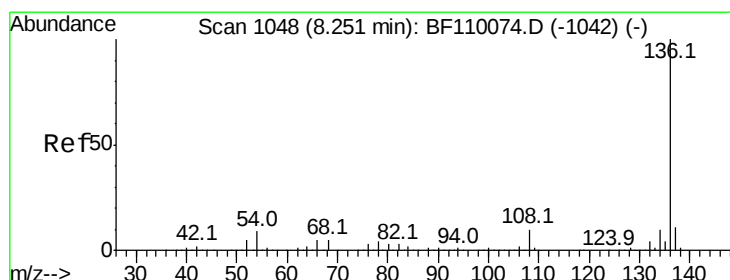
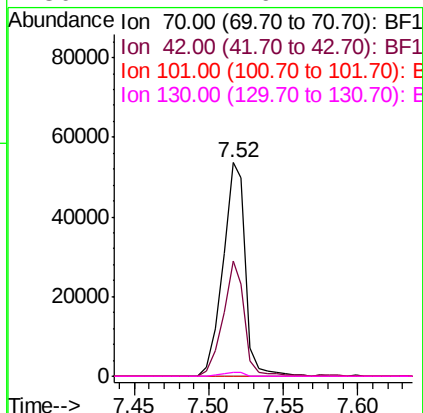
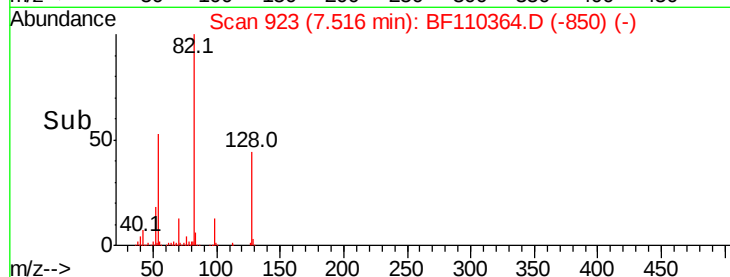
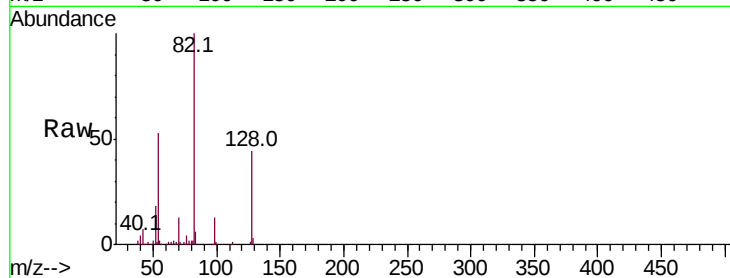




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.088 ng  
RT: 7.52 min Scan# 923  
Delta R.T. 0.13 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

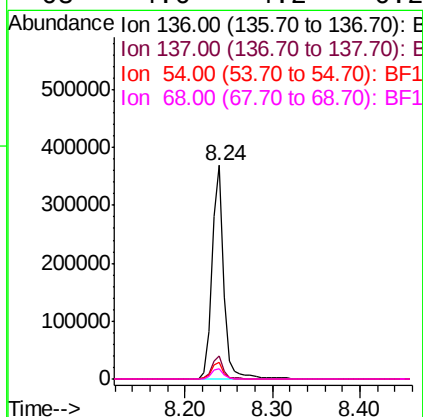
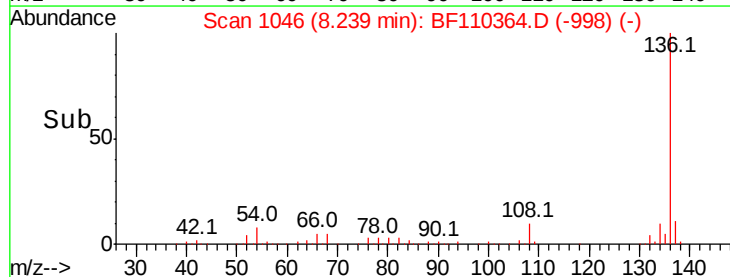
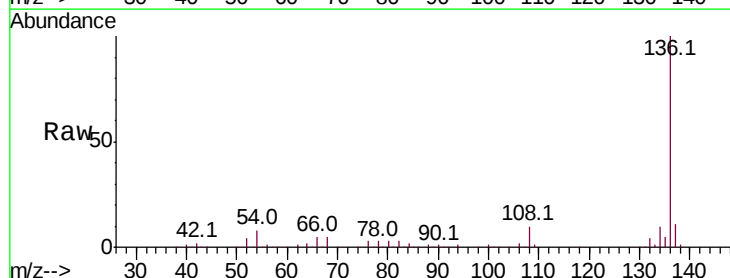
Instrument :  
BNA\_F  
ClientSampleId :

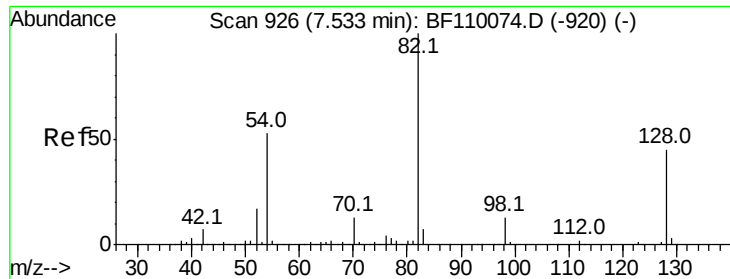
Tot Ion: 70 Resp: 56880  
Ion Ratio Lower Upper  
70 100  
42 53.8 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.1 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.02 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

Tgt Ion:136 Resp: 343883  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.6 5.4 8.2  
68 4.6 4.2 6.2

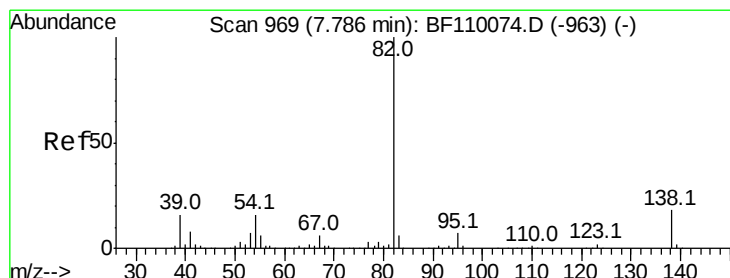
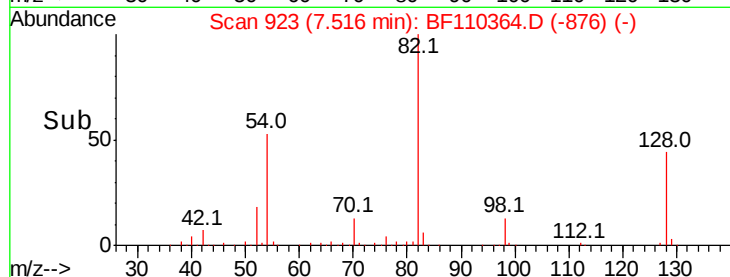
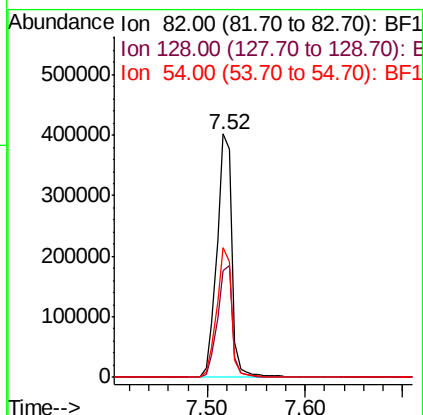
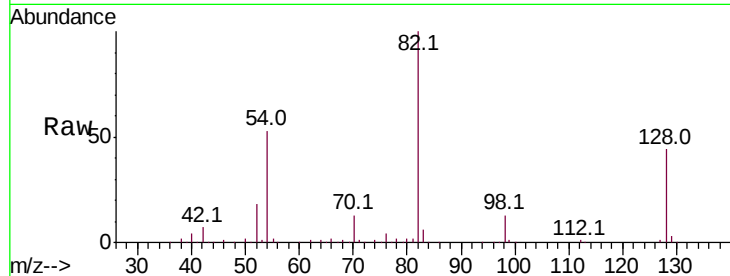




#23  
 Nitrobenzene-d5  
 Concen: 74.357 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.02 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

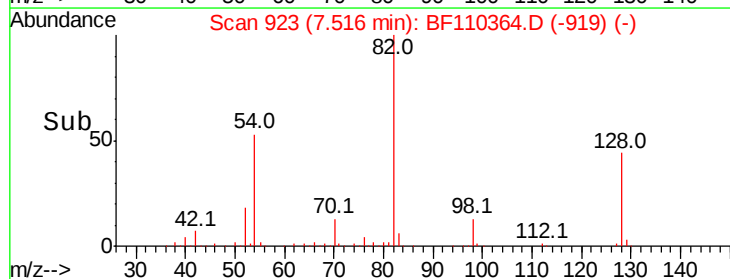
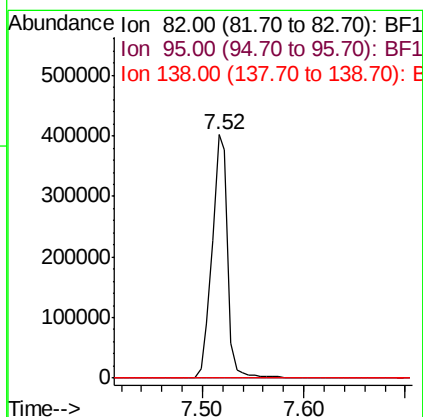
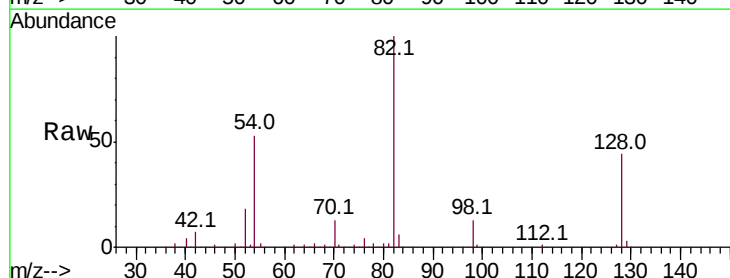
Instrument :  
 BNA\_F  
 ClientSampled :

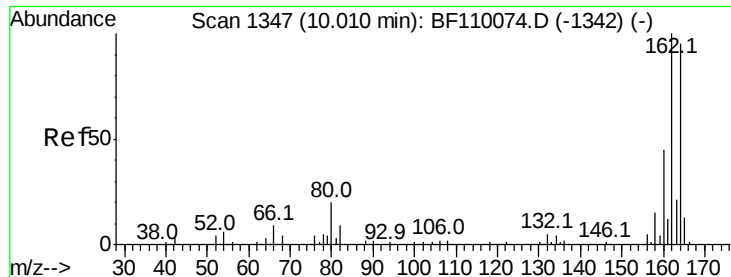
| Tot Ion   | 82    | Resp  | 431105 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.0  | 34.2  | 51.2   |
| 54        | 53.5  | 38.6  | 58.0   |



#25  
 Isophorone  
 Concen: 43.621 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.28 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

| Tgt Ion   | 82    | Resp  | 431101 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.7   | 8.5#   |
| 138       | 0.0   | 13.2  | 19.8#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF110364.D

Acq: 1 Nov 2018 13:12

Instrument :

BNA\_F

ClientSampleId :

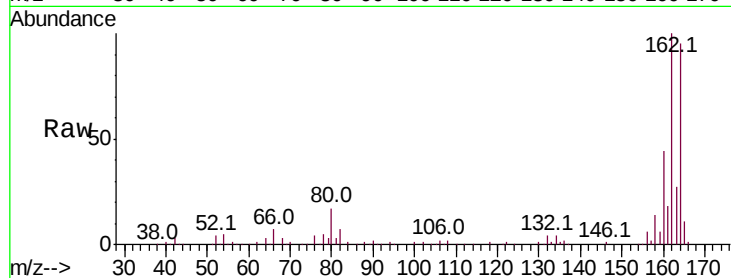
Tot Ion:164 Resp: 155310

Ion Ratio Lower Upper

164 100

162 105.6 83.0 124.6

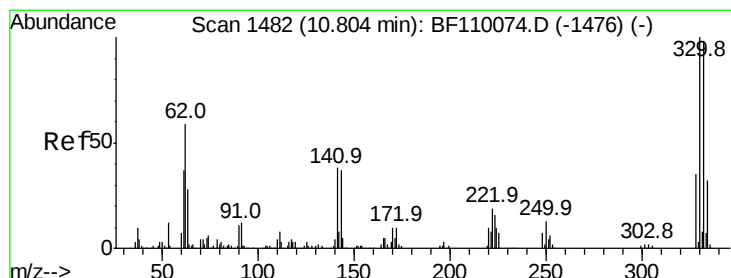
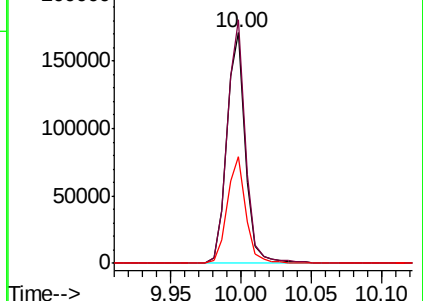
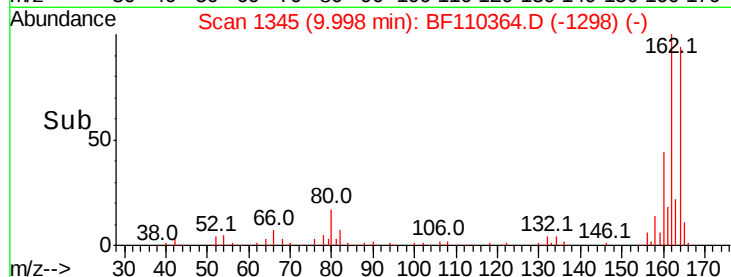
160 46.3 37.0 55.6



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: 1.437 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.02 min

Lab File: BF110364.D

Acq: 1 Nov 2018 13:12

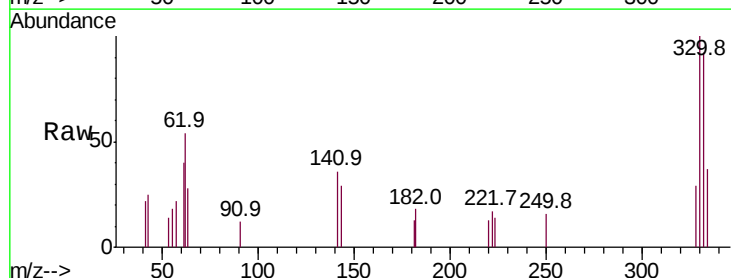
Tgt Ion:330 Resp: 2210

Ion Ratio Lower Upper

330 100

332 100.2 77.1 115.7

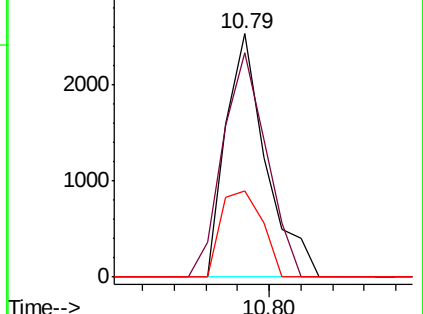
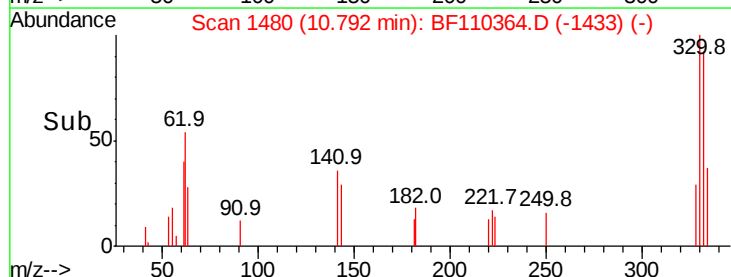
141 36.7 27.0 40.4

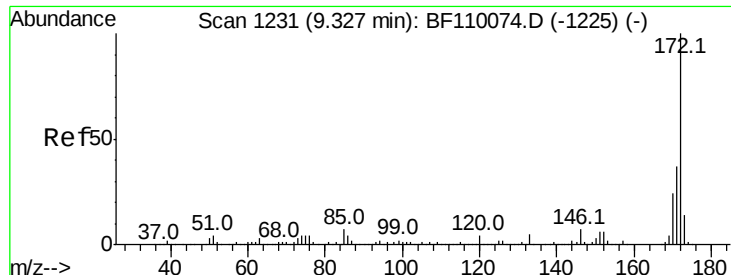


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

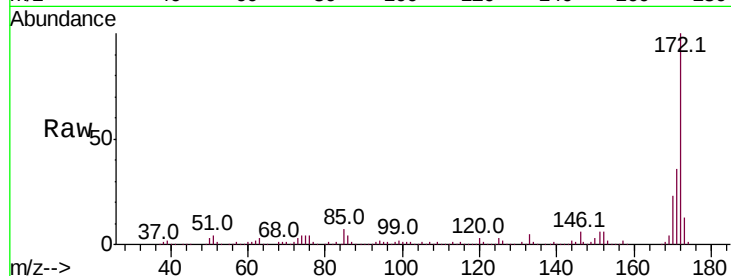




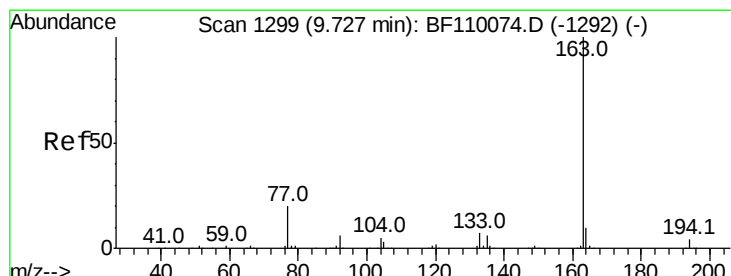
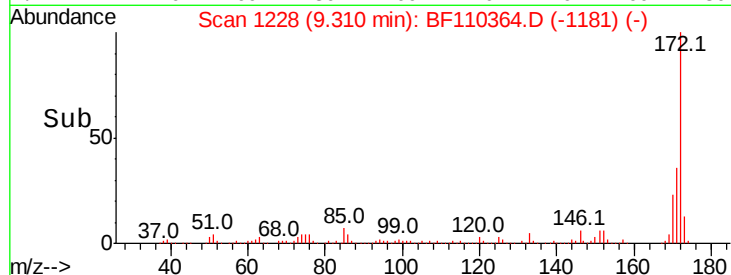
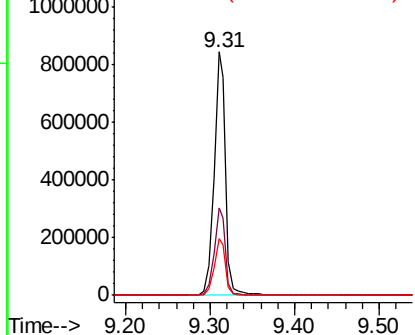
#45  
 2-Fluorobiphenyl  
 Concen: 82.833 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.02 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 819276  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.6 43.0  
 170 23.4 19.7 29.5

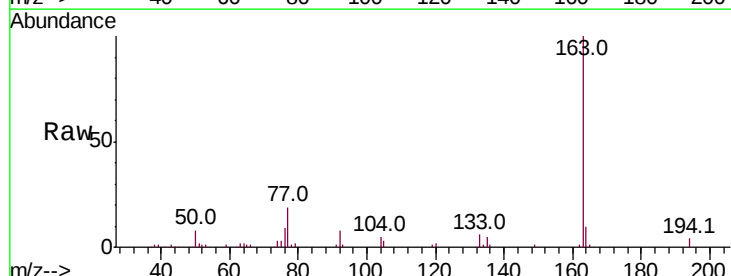


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

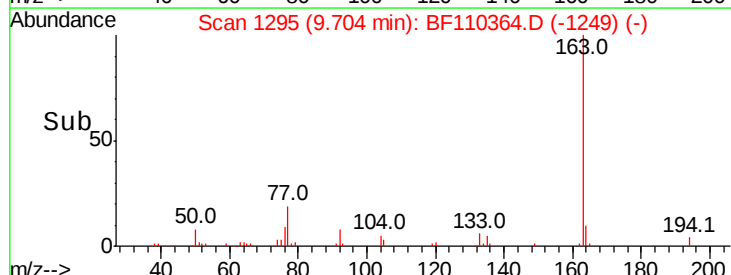
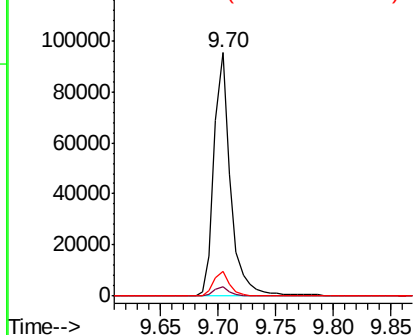


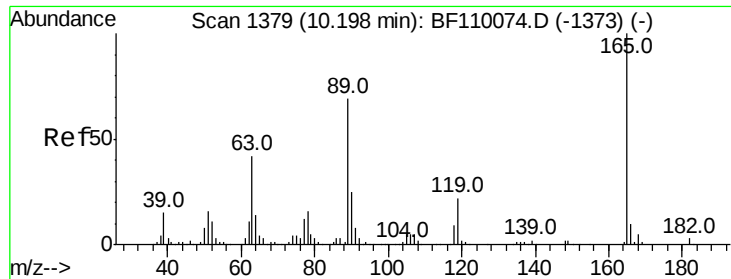
#50  
 Dimethylphthalate  
 Concen: 8.281 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.03 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

Tgt Ion:163 Resp: 94943  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 3.2 4.8  
 164 9.9 8.1 12.1



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

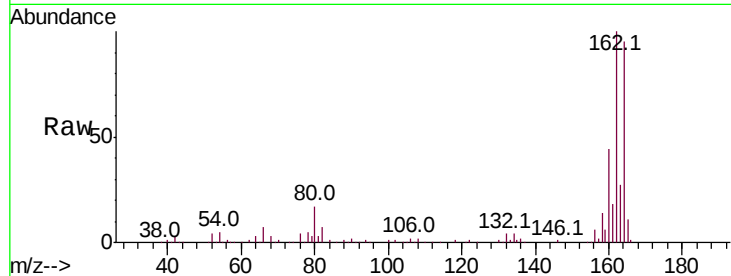




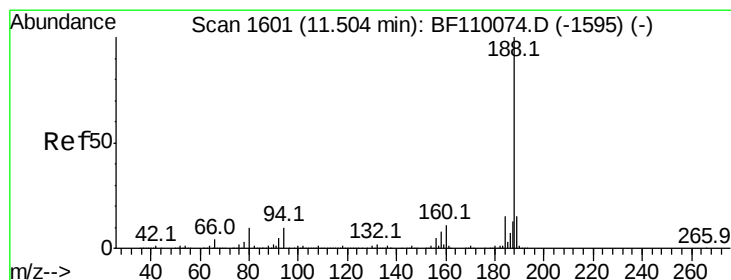
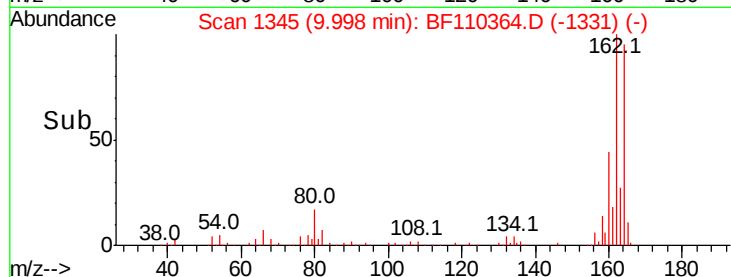
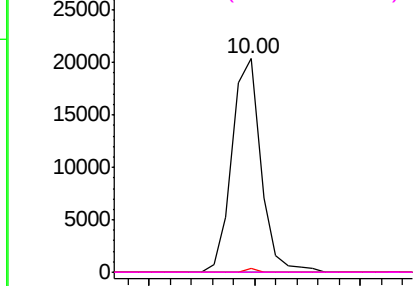
#57  
 2,4-Dinitrotoluene  
 Concen: 6.133 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. -0.22 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 19237 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 44.8  | 67.2# |
| 89       | 1.6   | 62.2  | 93.4# |
| 182      | 0.0   | 2.1   | 3.1#  |

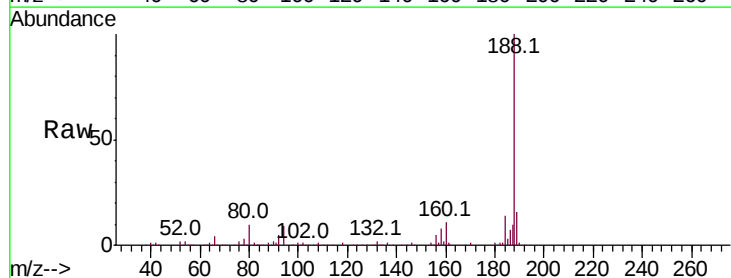


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

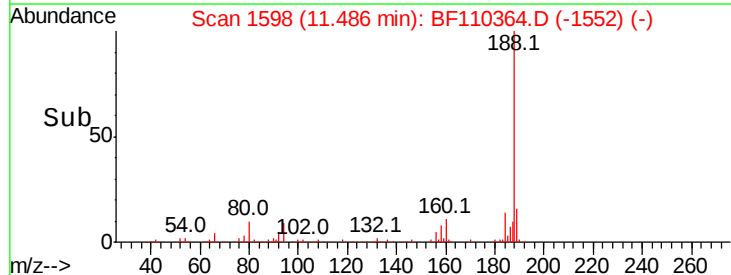
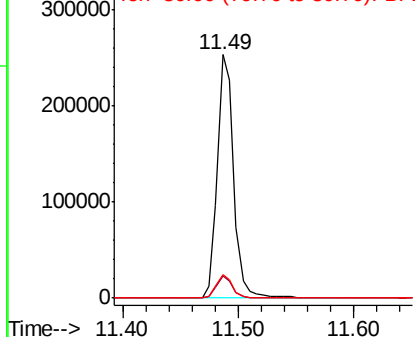


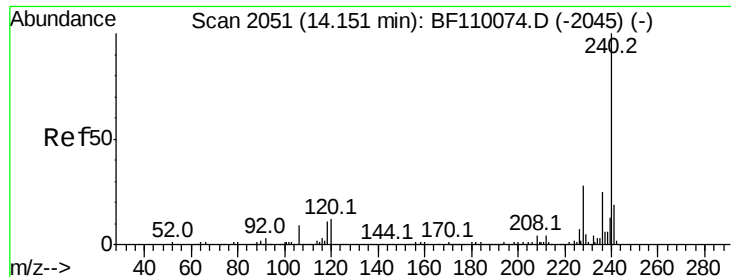
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. -0.03 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 248307 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.1   | 7.2   | 10.8   |
| 80       | 9.6   | 7.9   | 11.9   |



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

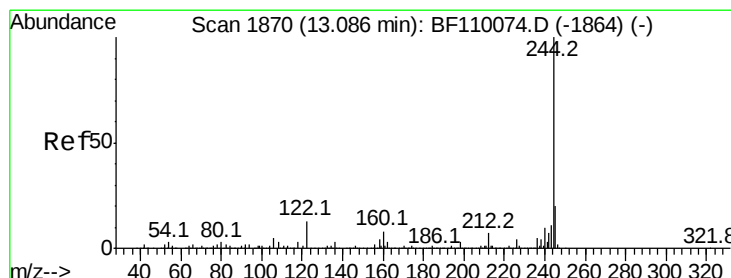
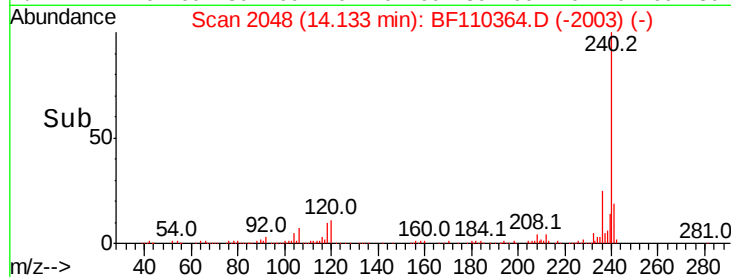
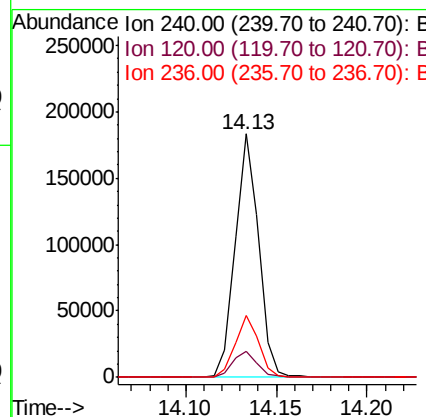
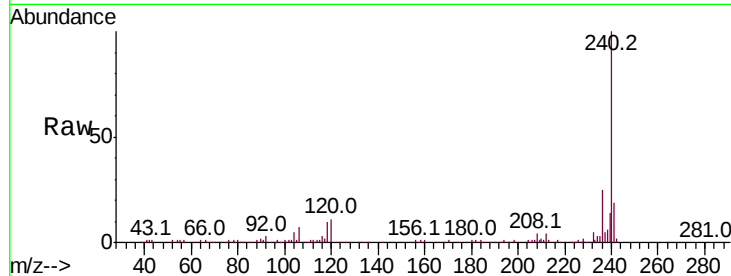




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.04 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

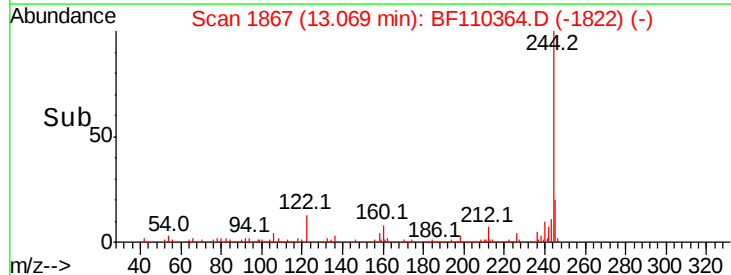
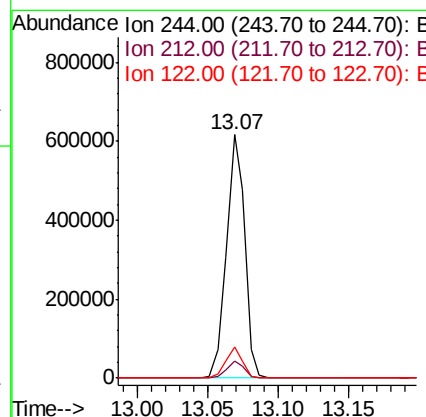
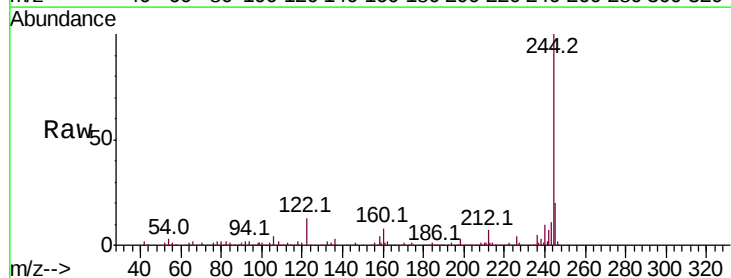
Instrument :  
 BNA\_F  
 ClientSampleId :

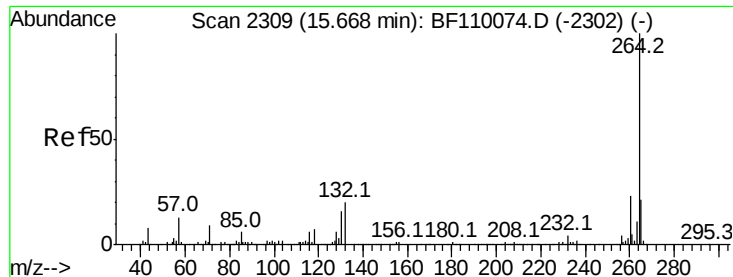
Tot Ion:240 Resp: 165943  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 8.3 12.5  
 236 25.3 21.2 31.8



#79  
 Terphenyl-d14  
 Concen: 69.331 ng  
 RT: 13.07 min Scan# 1867  
 Delta R.T. -0.04 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

Tgt Ion:244 Resp: 553204  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.8  
 122 12.6 8.7 13.1

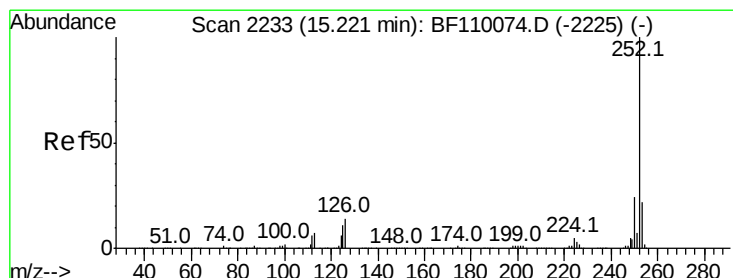
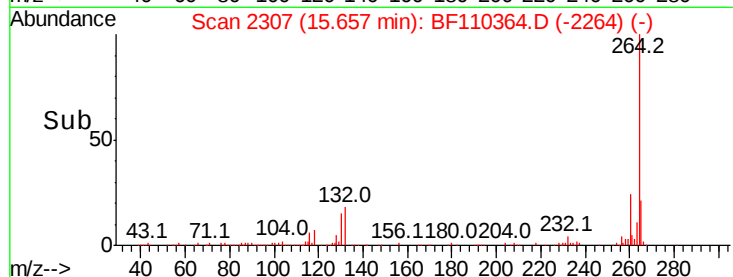
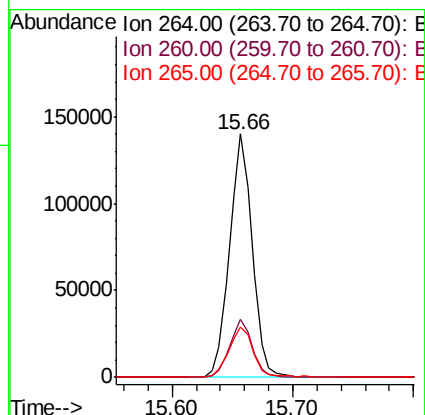
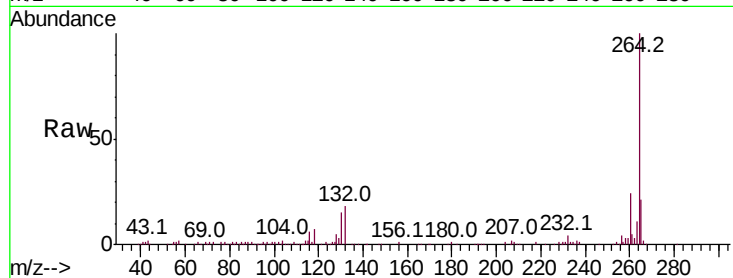




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.66 min Scan# 2307  
Delta R.T. -0.05 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

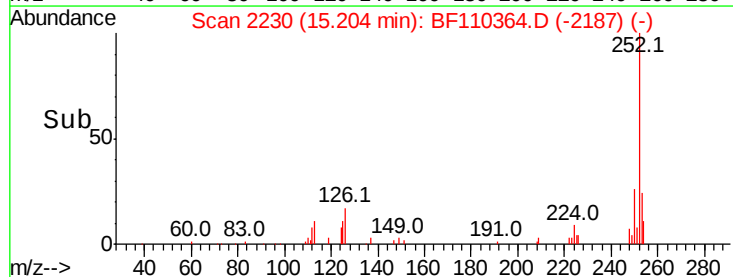
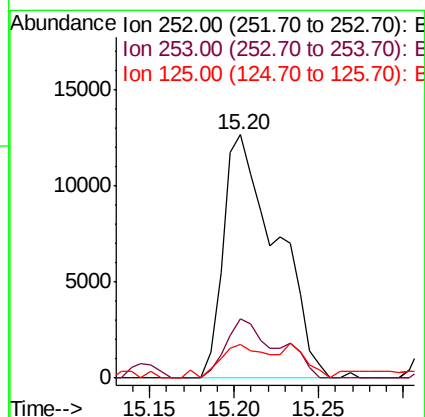
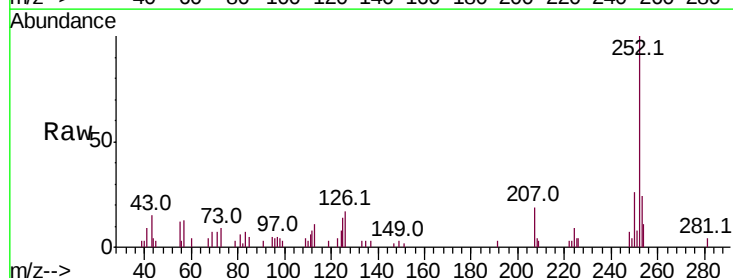
Instrument :  
BNA\_F  
ClientSampleId :

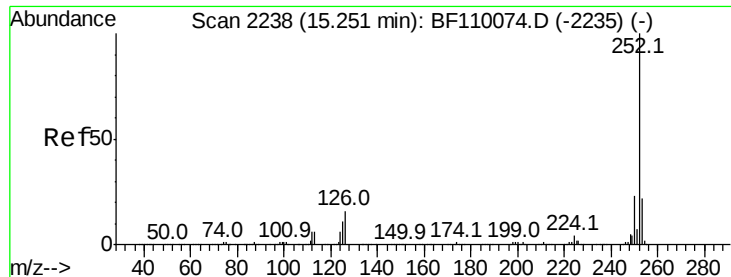
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.7  | 28.1  |
| 265     | 20.5  | 16.7  | 25.1  |



#88  
Benzo(b)fluoranthene  
Concen: 2.611 ng  
RT: 15.20 min Scan# 2230  
Delta R.T. -0.05 min  
Lab File: BF110364.D  
Acq: 1 Nov 2018 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.2  | 25.8  |
| 125     | 13.9  | 8.2   | 12.4  |

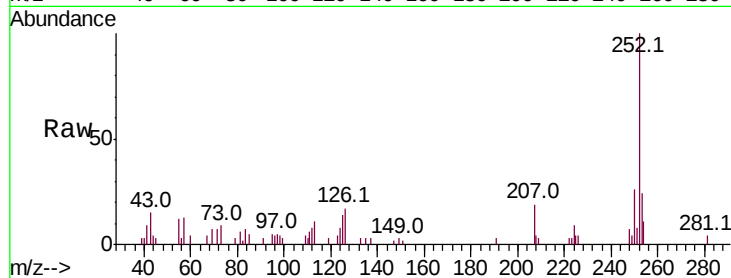




#89  
 Benzo(k)fluoranthene  
 Concen: 2.656 ng  
 RT: 15.20 min Scan# 2230  
 Delta R.T. -0.08 min  
 Lab File: BF110364.D  
 Acq: 1 Nov 2018 13:12

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.2  | 25.8  |
| 125     | 13.9  | 7.4   | 11.0  |



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

