

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\  
 Data File : BF110590.D  
 Acq On : 8 Nov 2018 17:45  
 Operator : JU/SJ  
 Sample : J5851-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 09 08:41:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 08 14:14:47 2018  
 Response via : Initial Calibration

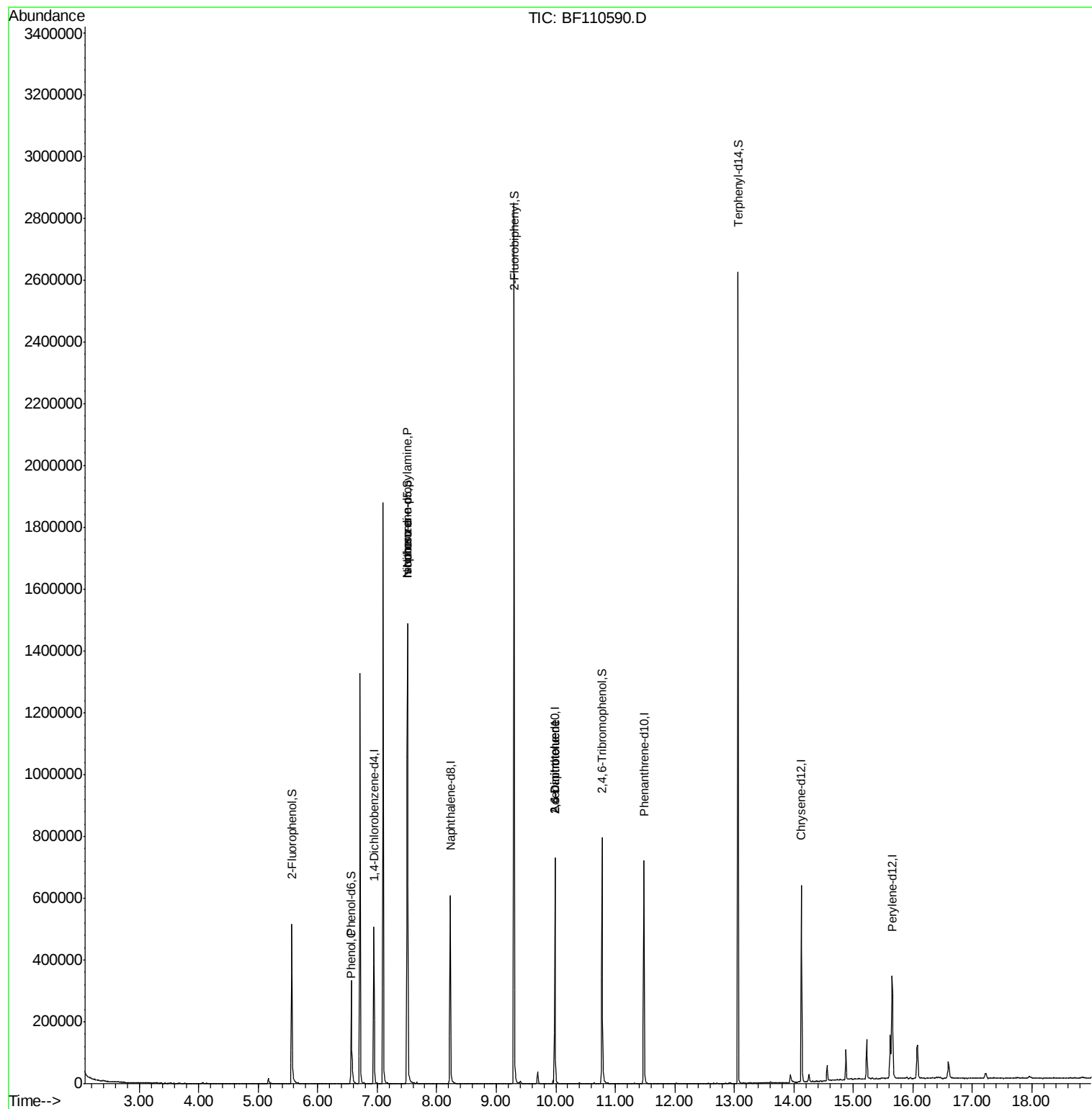
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 74031    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.23  | 136  | 314740   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.99  | 164  | 150263   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.48 | 188  | 290049   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 216414   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12               | 15.65 | 264  | 171827   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 155918   | 34.21 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.56  | 99   | 118031   | 20.25 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 492092   | 90.04 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.78 | 330  | 98340    | 64.95 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.30  | 172  | 945583   | 89.87 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.06 | 244  | 860607   | 74.47 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 10) Phenol                     | 6.57  | 94   | 18914    | 2.80  | ng    | # 73     |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 64502    | 17.34 | ng    | # 80     |
| 25) Isophorone                 | 7.51  | 82   | 492089   | 54.94 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene         | 9.99  | 165  | 19210    | 7.79  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 19210    | 5.99  | ng    | # 18     |

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

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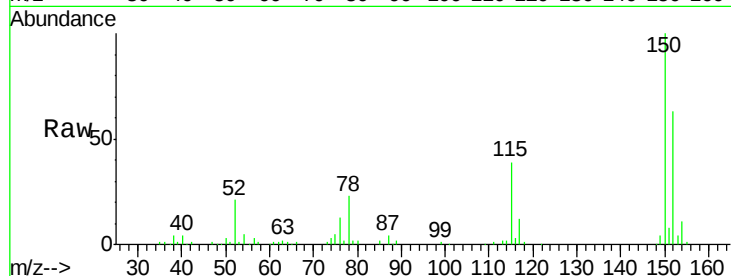


#1

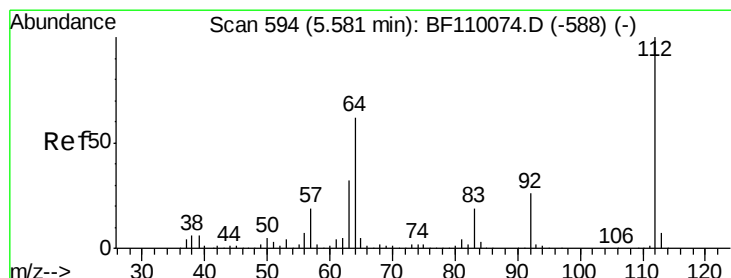
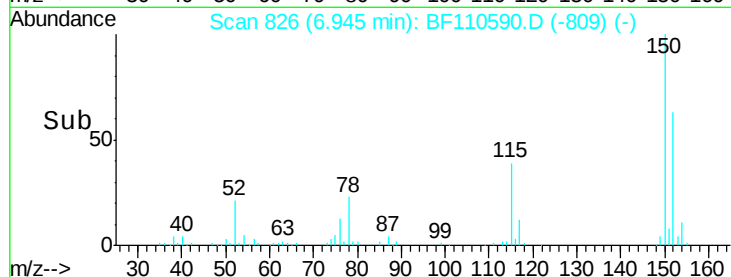
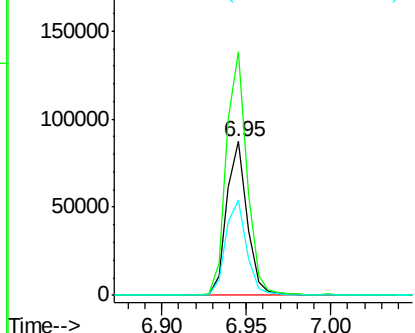
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 74031  
Ion Ratio Lower Upper  
152 100  
150 158.6 122.7 184.1  
115 61.9 49.1 73.7



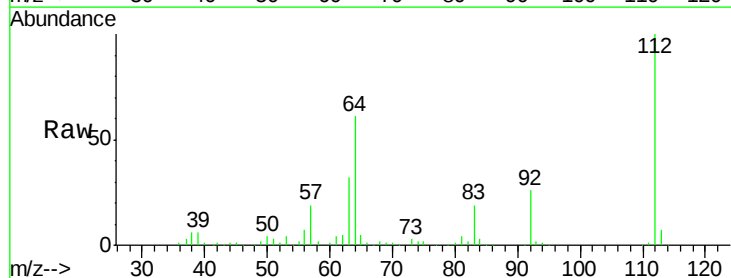
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



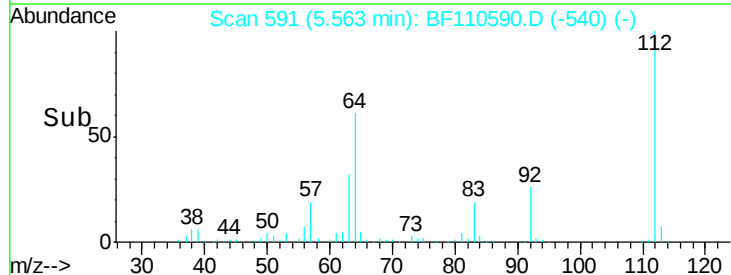
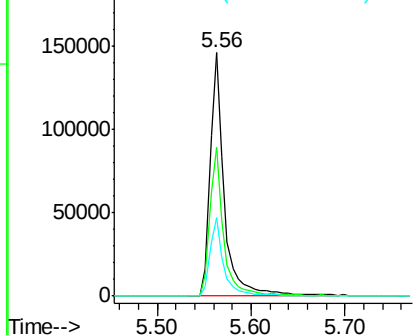
#5

2-Fluorophenol  
Concen: 34.21 ng  
RT: 5.56 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

Tgt Ion:112 Resp: 155918  
Ion Ratio Lower Upper  
112 100  
64 61.4 44.1 66.1  
63 32.1 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: 20.25 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

Instrument :

BNA\_F

ClientSampleId :

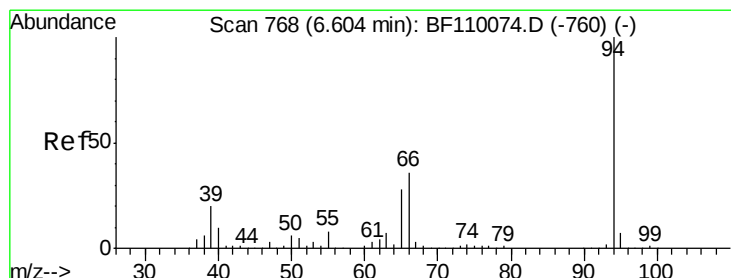
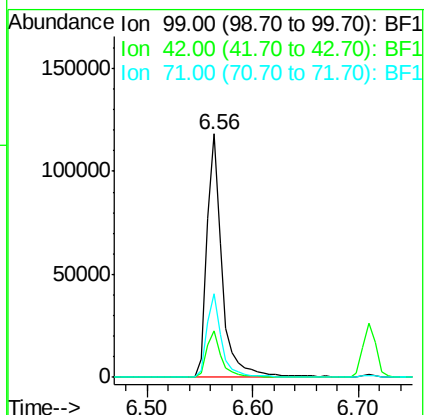
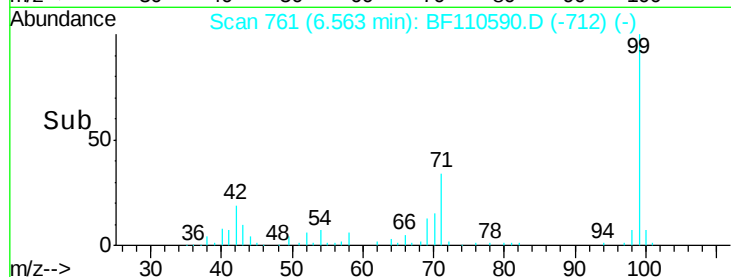
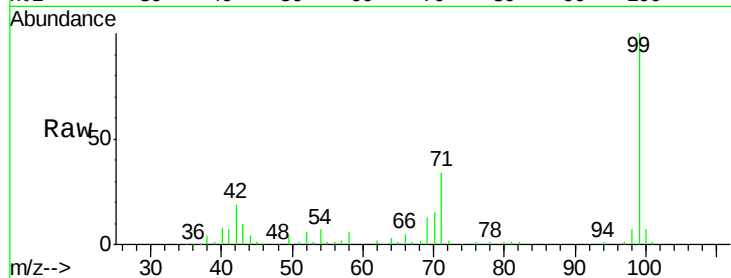
Tot Ion: 99 Resp: 118031

Ion Ratio Lower Upper

99 100

42 19.0 15.8 23.6

71 34.3 28.0 42.0



#10

Phenol

Concen: 2.80 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

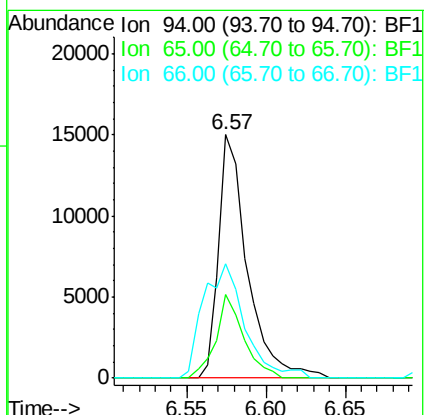
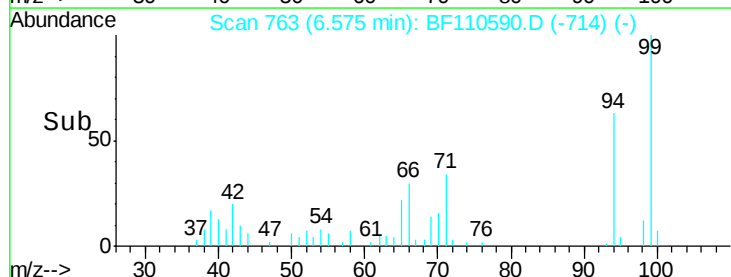
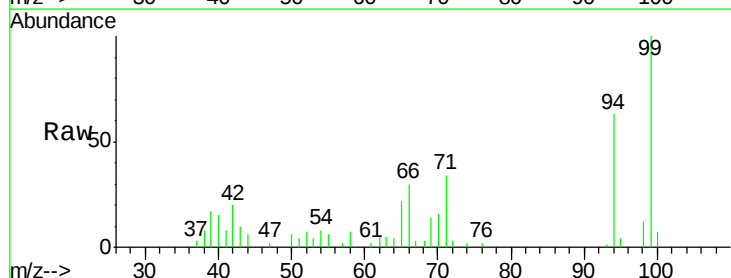
Tgt Ion: 94 Resp: 18914

Ion Ratio Lower Upper

94 100

65 34.6 25.3 65.3

66 46.7 54.5 94.5#





#19

n-Nitroso-di-n-propylamine

Concen: 17.34 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

Instrument :

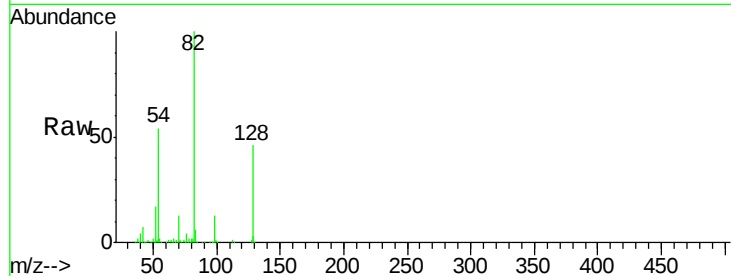
BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 64502

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 70  | 100  |      |       |
| 42  | 49.5 | 47.4 | 71.2  |
| 101 | 0.0  | 7.3  | 10.9# |
| 130 | 1.9  | 16.2 | 24.2# |

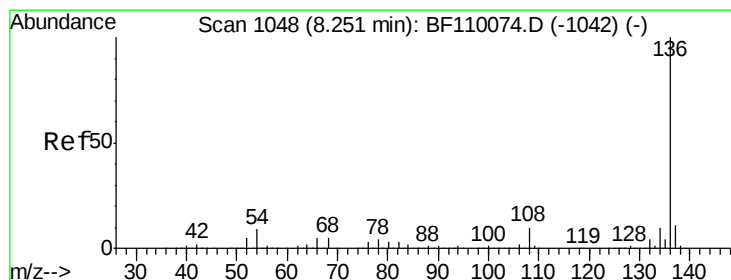
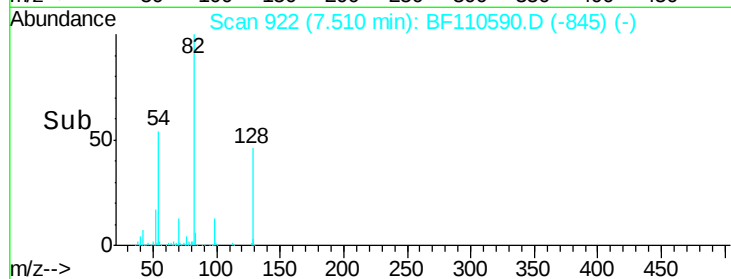
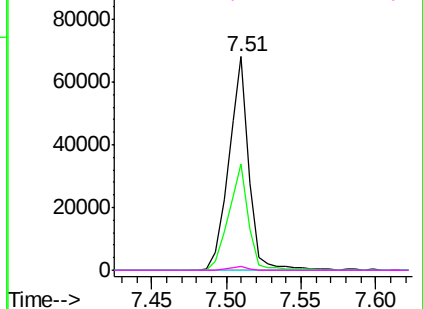


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

Tgt Ion: 136 Resp: 314740

Ion Ratio Lower Upper

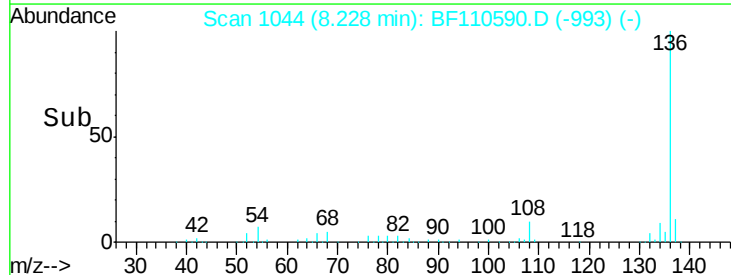
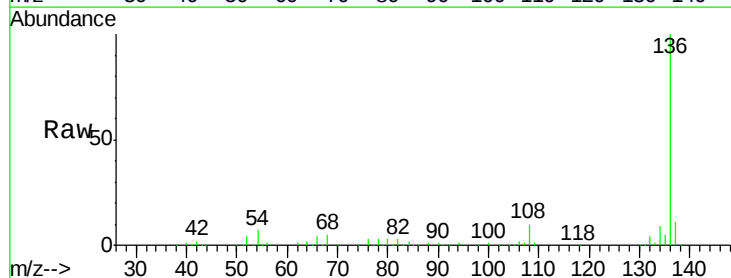
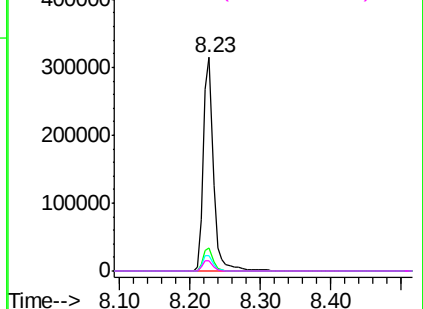
|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 10.5 | 8.8 | 13.2 |
| 54  | 7.5  | 5.4 | 8.2  |
| 68  | 4.8  | 4.2 | 6.2  |

Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

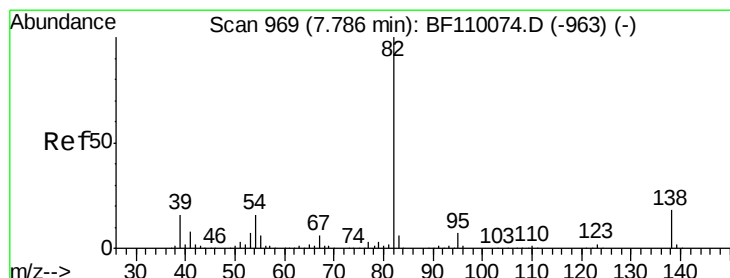
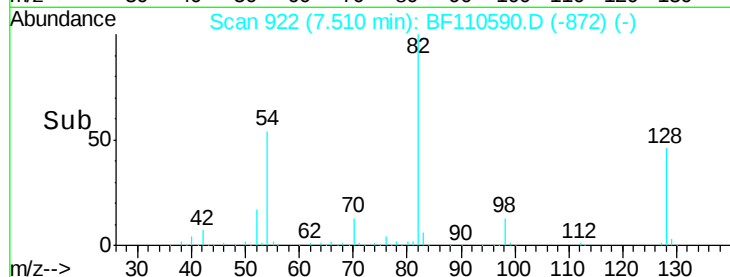
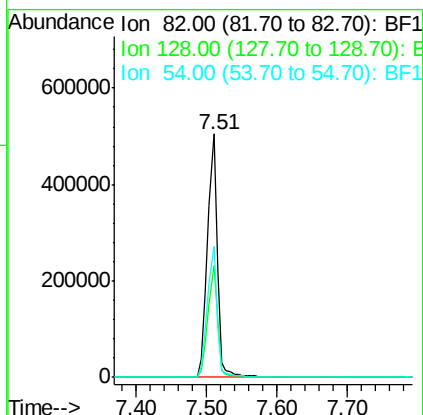
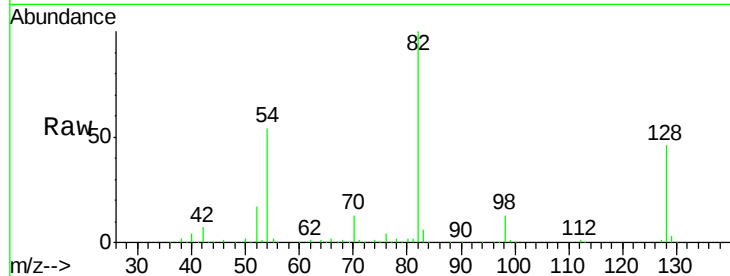




#23  
 Nitrobenzene-d5  
 Concen: 90.04 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF110590.D  
 Acq: 8 Nov 2018 17:45

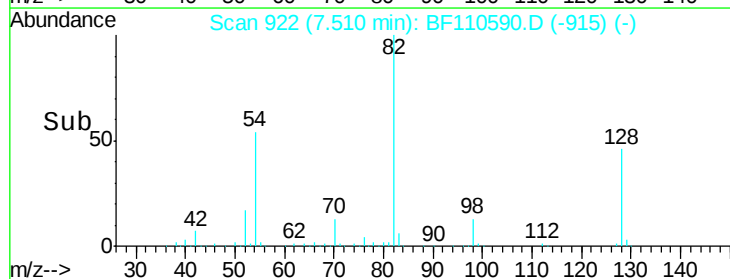
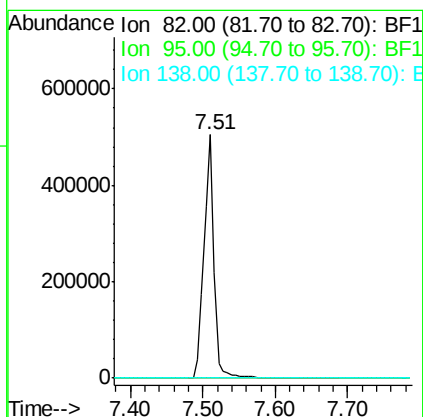
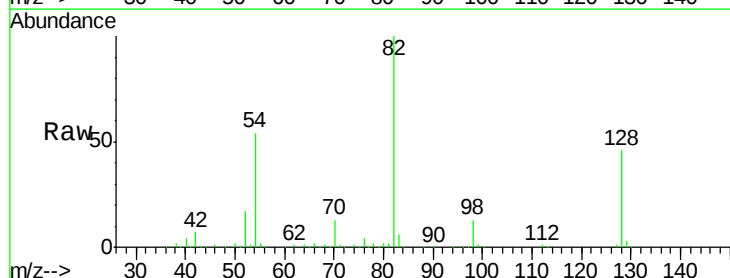
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 492092  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 34.2 51.2  
 54 53.5 38.6 58.0



#25  
 Isophorone  
 Concen: 54.94 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.26 min  
 Lab File: BF110590.D  
 Acq: 8 Nov 2018 17:45

Tgt Ion: 82 Resp: 492089  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

Instrument :

BNA\_F

ClientSampleId :

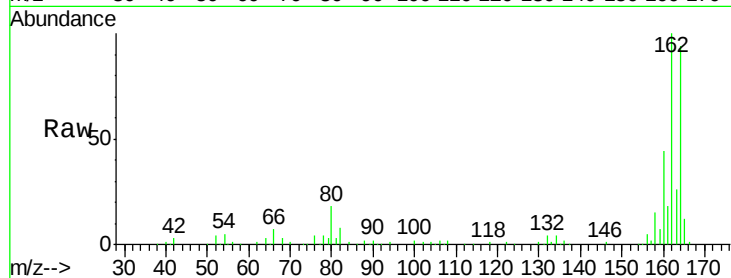
Tot Ion:164 Resp: 150263

Ion Ratio Lower Upper

164 100

162 106.7 83.0 124.6

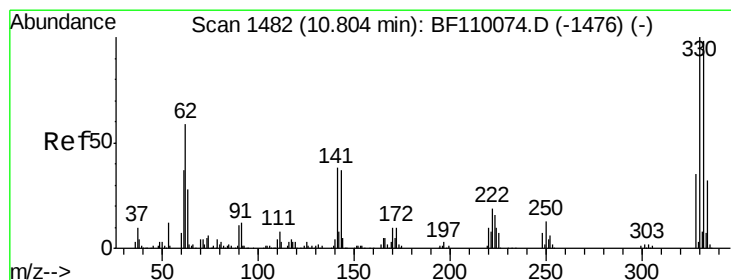
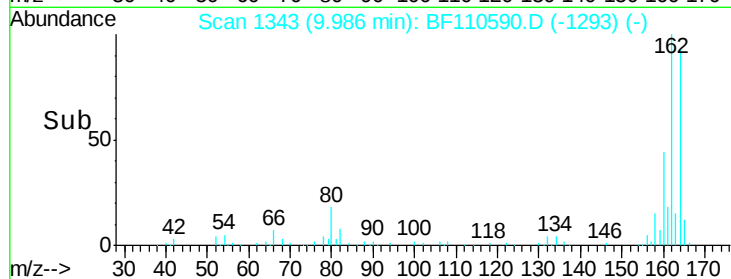
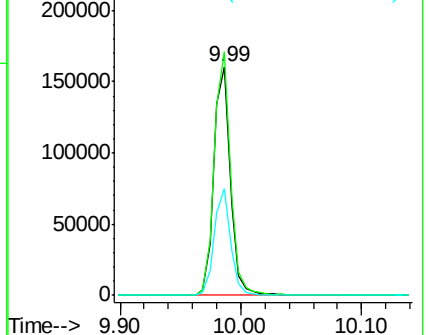
160 46.7 37.0 55.6



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: 64.95 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110590.D

Acq: 8 Nov 2018 17:45

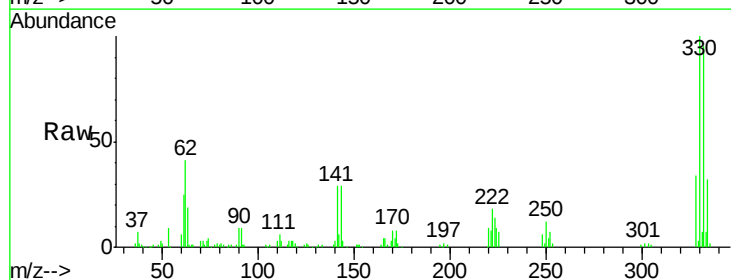
Tgt Ion:330 Resp: 98340

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

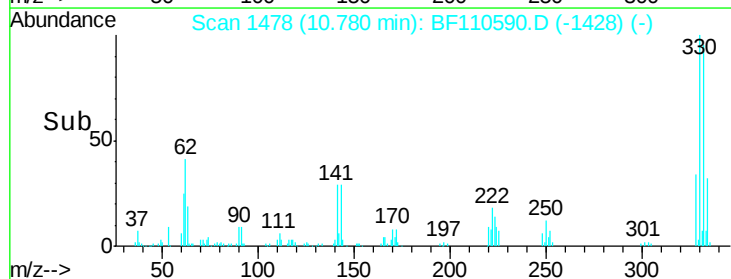
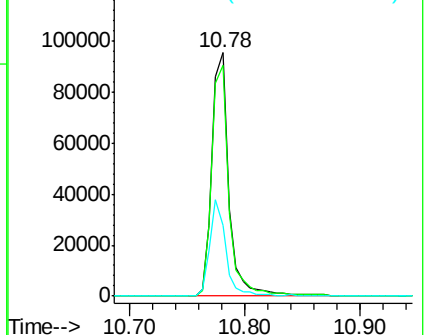
141 37.3 27.0 40.4



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

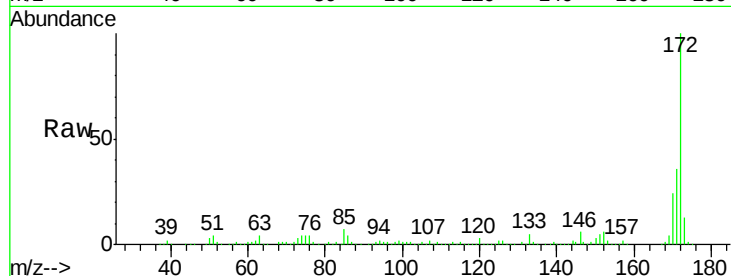




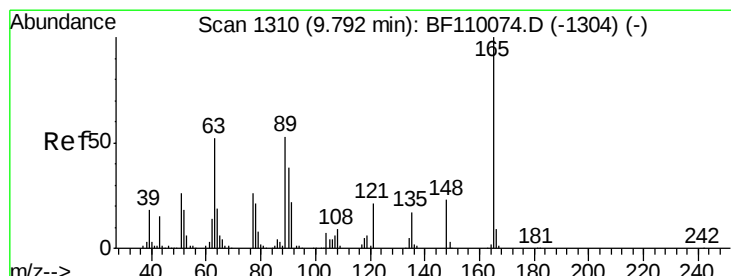
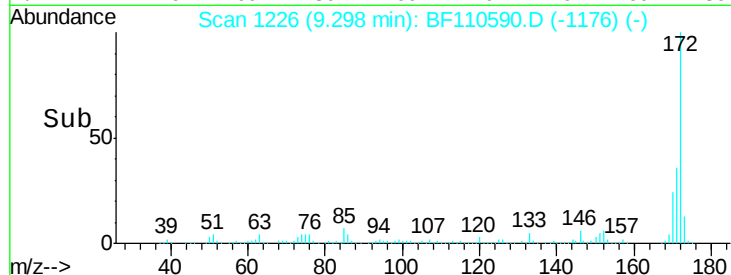
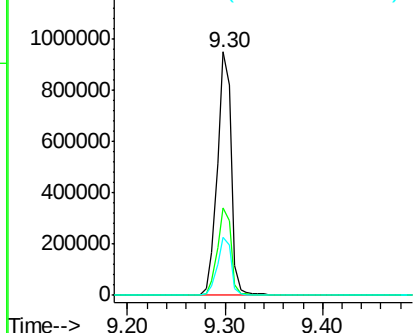
#45  
 2-Fluorobiphenyl  
 Concen: 89.87 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110590.D  
 Acq: 8 Nov 2018 17:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 945583  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.6 43.0  
 170 23.8 19.7 29.5

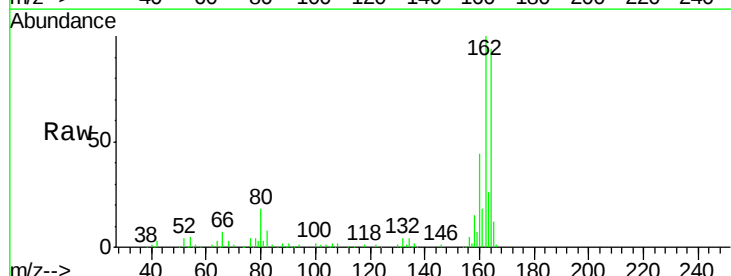


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

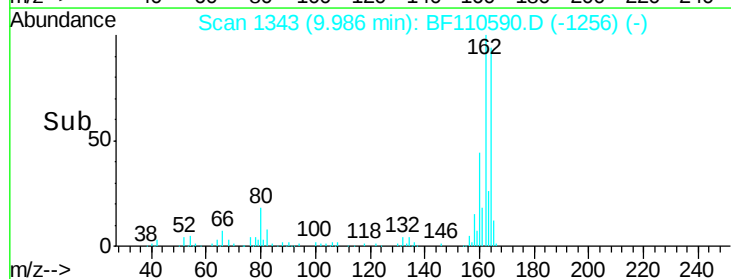
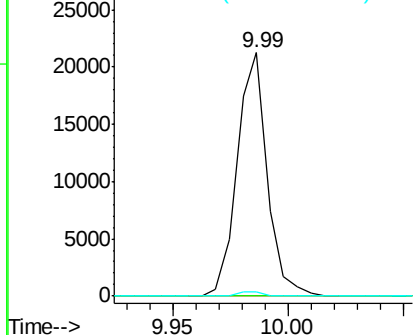


#51  
 2,6-Dinitrotoluene  
 Concen: 7.79 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. 0.21 min  
 Lab File: BF110590.D  
 Acq: 8 Nov 2018 17:45

Tgt Ion:165 Resp: 19210  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 48.9 73.3#  
 89 1.6 46.6 69.8#



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

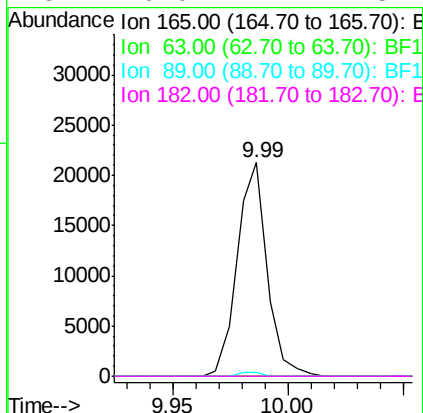
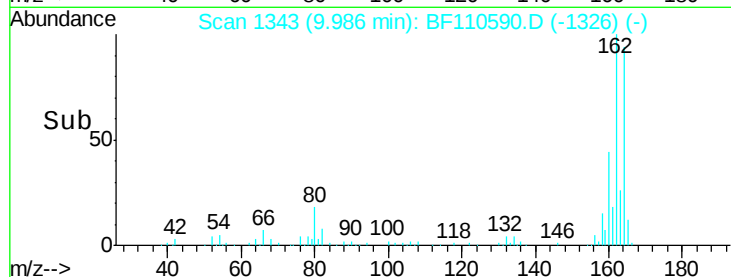
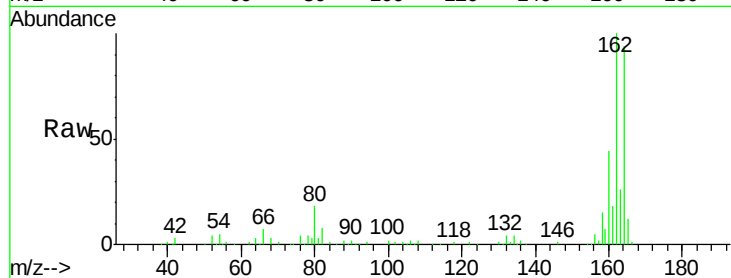




#57  
2,4-Dinitrotoluene  
Concen: 5.99 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.20 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

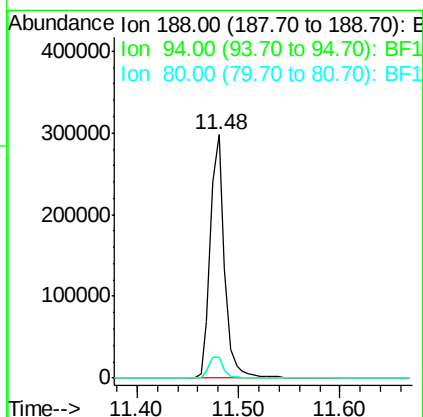
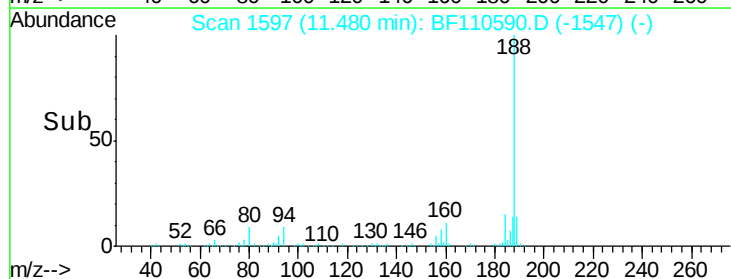
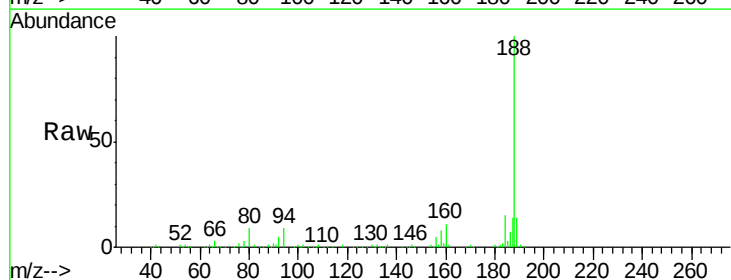
Instrument :  
BNA\_F  
ClientSampleId :

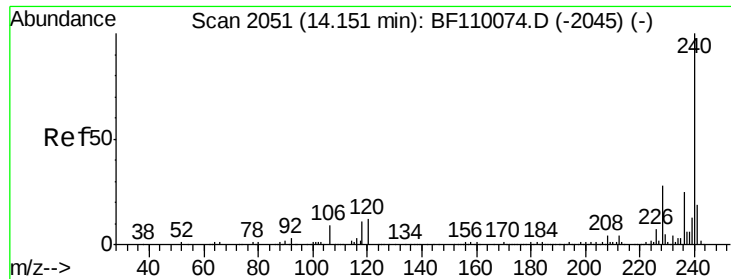
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 19210      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 44.8 67.2# |
| 89          | 1.6   | 62.2 93.4# |
| 182         | 0.0   | 2.1 3.1#   |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 290049   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 8.7   | 7.2 10.8 |
| 80          | 8.8   | 7.9 11.9 |

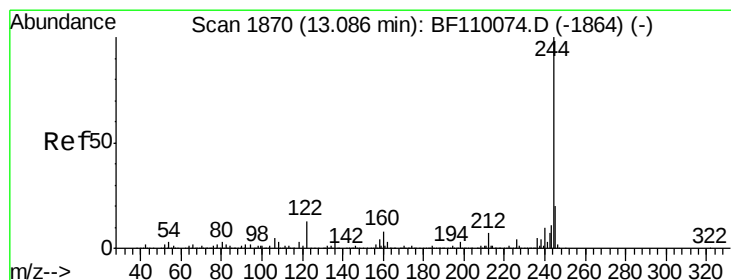
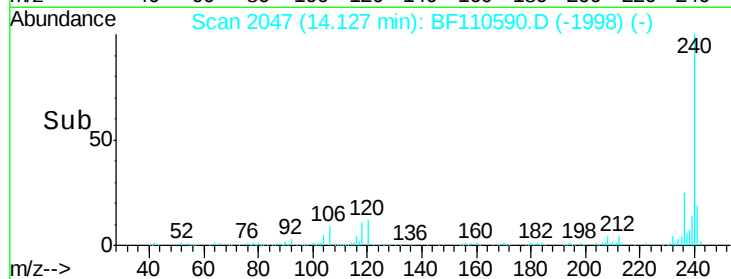
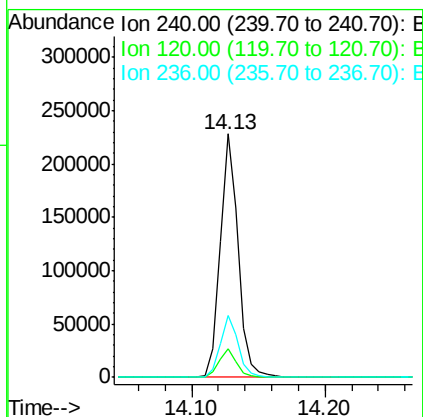
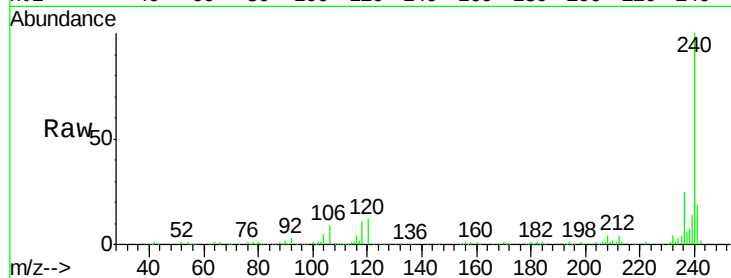




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

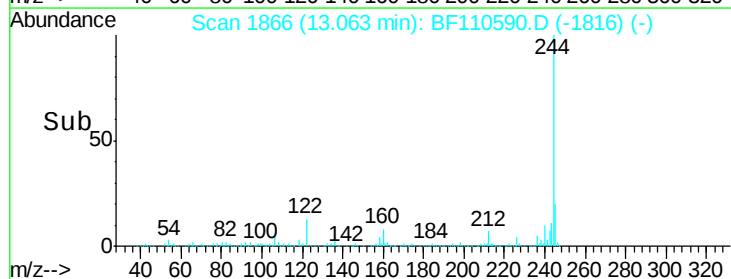
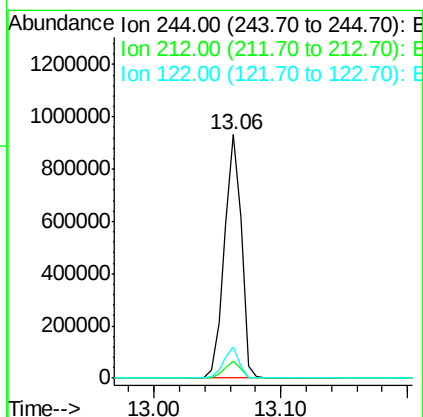
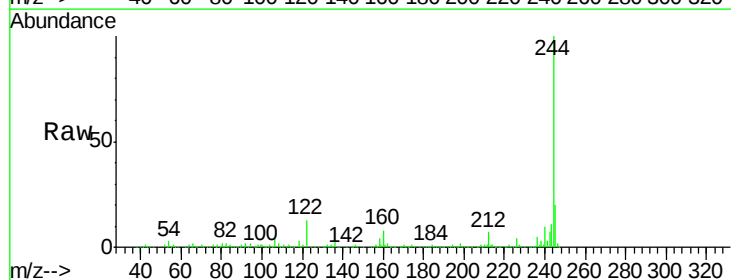
Instrument :  
BNA\_F  
ClientSampleId :

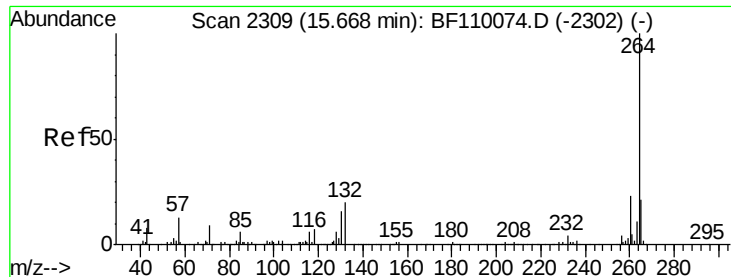
Tot Ion:240 Resp: 216414  
Ion Ratio Lower Upper  
240 100  
120 11.8 8.3 12.5  
236 25.4 21.2 31.8



#79  
Terphenyl-d14  
Concen: 74.47 ng  
RT: 13.06 min Scan# 1866  
Delta R.T. -0.01 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

Tgt Ion:244 Resp: 860607  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 12.9 8.7 13.1





#87  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.65 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: BF110590.D  
Acq: 8 Nov 2018 17:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 171827  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.7 28.1  
265 22.9 16.7 25.1

