

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\  
 Data File : BF096978.D  
 Acq On : 22 Jul 2017 8:47  
 Operator : SJ/JU  
 Sample : I4305-02 5X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-N5-WSW

Quant Time: Jul 24 04:14:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 18 13:33:22 2017  
 Response via : Initial Calibration

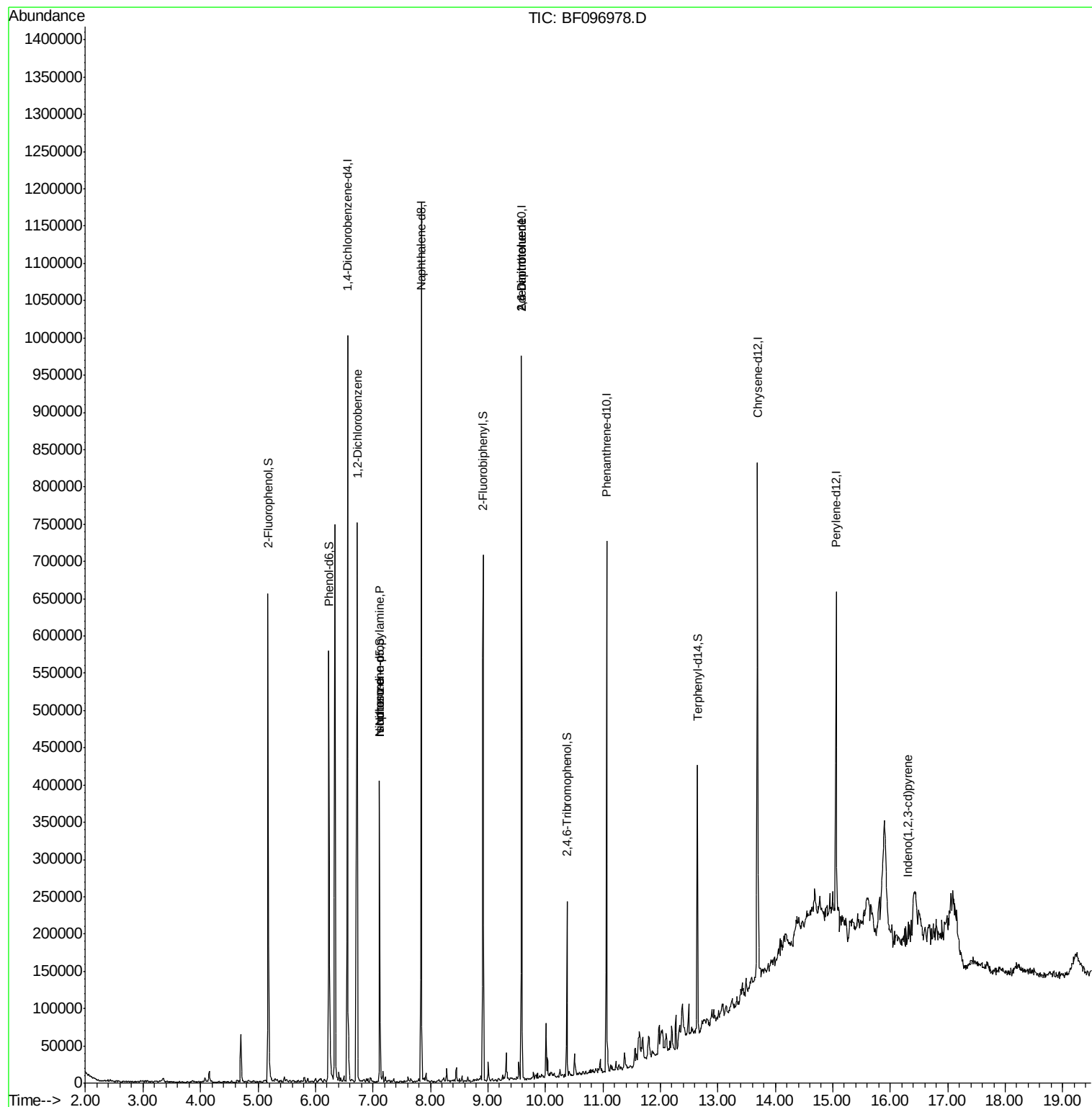
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.56  | 152  | 137355   | 20.00 | ng    | -0.04     |
| 21) Naphthalene-d8             | 7.84  | 136  | 466219   | 20.00 | ng    | -0.05     |
| 38) Acenaphthene-d10           | 9.59  | 164  | 174945   | 20.00 | ng    | -0.05     |
| 63) Phenanthrene-d10           | 11.06 | 188  | 236455   | 20.00 | ng    | -0.04     |
| 75) Chrysene-d12               | 13.69 | 240  | 228529   | 20.00 | ng    | -0.05     |
| 86) Perylene-d12               | 15.06 | 264  | 182688   | 20.00 | ng    | -0.05     |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.17  | 112  | 196213   | 21.48 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.23  | 99   | 238452   | 21.75 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.12  | 82   | 114931   | 15.27 | ng    | -0.05     |
| 41) 2,4,6-Tribromophenol       | 10.37 | 330  | 21937    | 14.69 | ng    | -0.05     |
| 44) 2-Fluorobiphenyl           | 8.92  | 172  | 201807   | 18.23 | ng    | -0.05     |
| 78) Terphenyl-d14              | 12.65 | 244  | 109874   | 8.34  | ng    | -0.05     |
| Target Compounds               |       |      |          |       |       |           |
| 14) 1,2-Dichlorobenzene        | 6.73  | 146  | 160038   | 16.59 | ng    | Qvalue 97 |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70   | 14869    | 2.25  | ng    | # 86      |
| 25) Isophorone                 | 7.12  | 82   | 112341   | 8.02  | ng    | # 67      |
| 50) 2,6-Dinitrotoluene         | 9.59  | 165  | 22410    | 7.85  | ng    | # 34      |
| 56) 2,4-Dinitrotoluene         | 9.59  | 165  | 22410    | 6.11  | ng    | # 33      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.32 | 276  | 6542     | 3.81  | ng    | 98        |

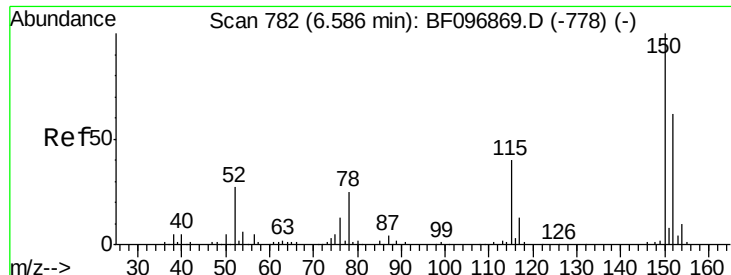
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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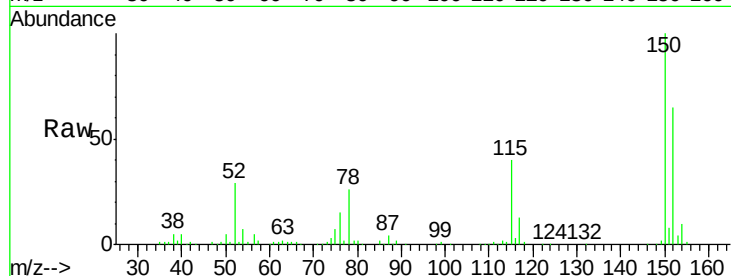


#1

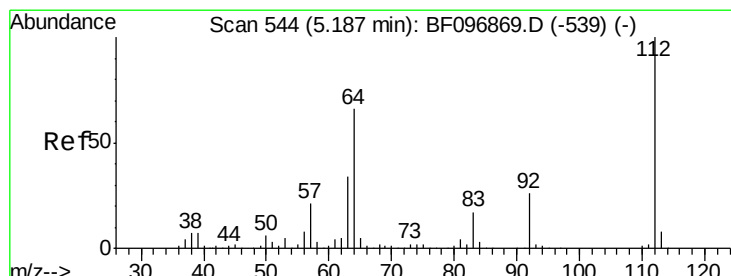
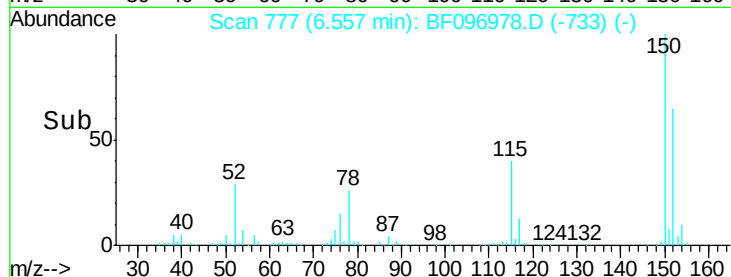
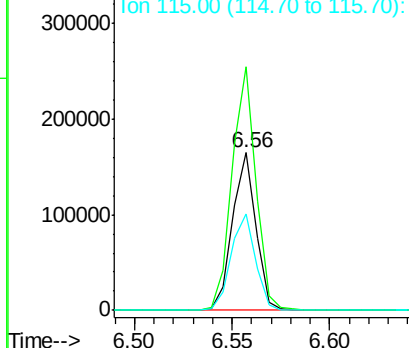
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.56 min Scan# 777  
Delta R.T. -0.04 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

Instrument :  
BNA\_F  
ClientSampleId :  
E2-N5-WSW

Tot Ion:152 Resp: 137355  
Ion Ratio Lower Upper  
152 100  
150 154.4 126.2 189.2  
115 61.0 52.2 78.2



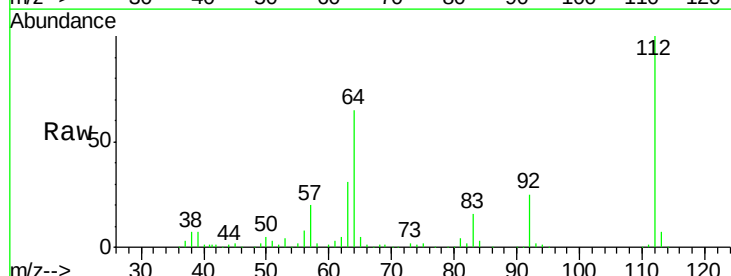
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



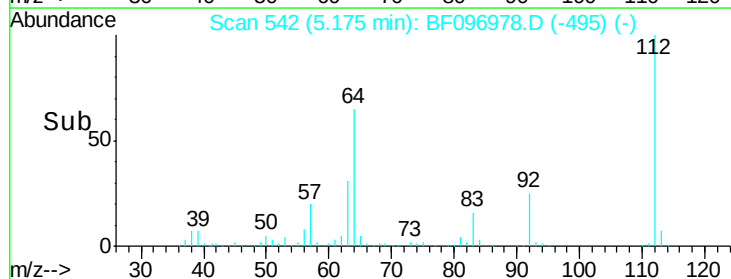
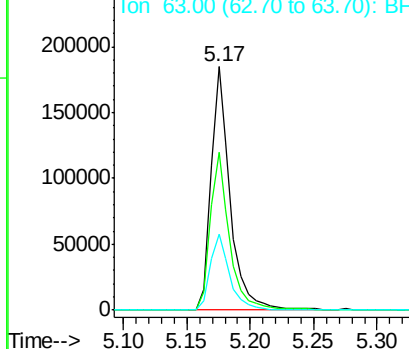
#5

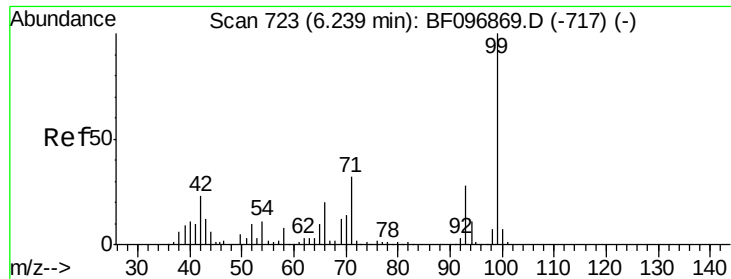
2-Fluorophenol  
Concen: 21.48 ng  
RT: 5.17 min Scan# 542  
Delta R.T. -0.02 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

Tgt Ion:112 Resp: 196213  
Ion Ratio Lower Upper  
112 100  
64 65.1 46.0 69.0  
63 31.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.75 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

Instrument :

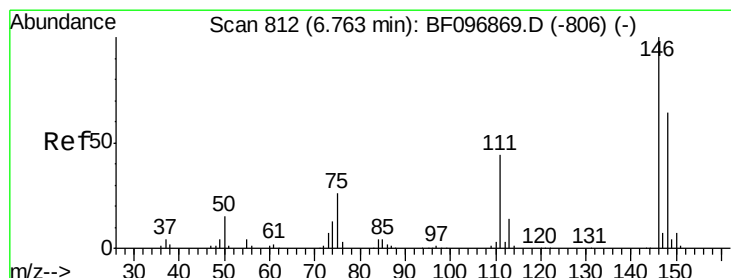
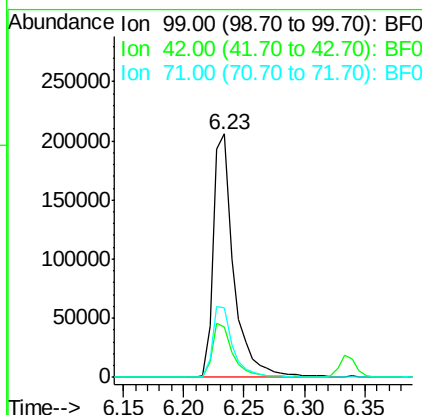
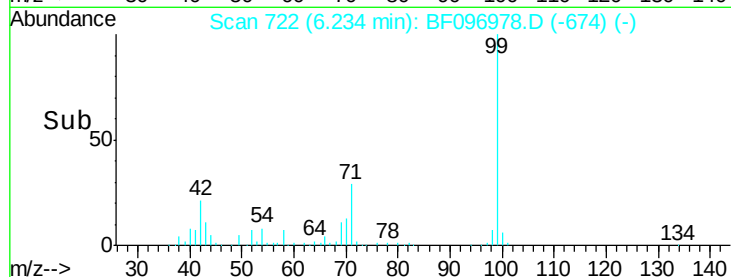
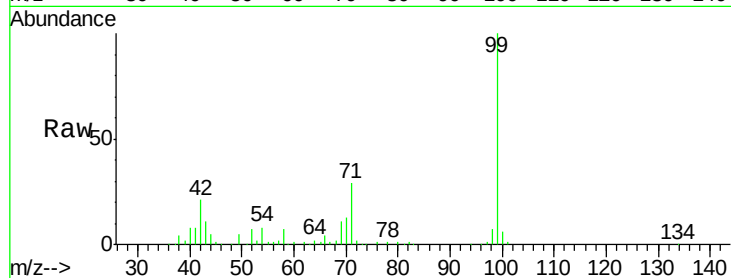
BNA\_F

ClientSampled :

E2-N5-WSW

Tot Ion: 99 Resp: 238452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.7  | 13.5  | 20.3# |
| 71  | 28.7  | 24.5  | 36.7  |



#14

1,2-Dichlorobenzene

Concen: 16.59 ng

RT: 6.73 min Scan# 806

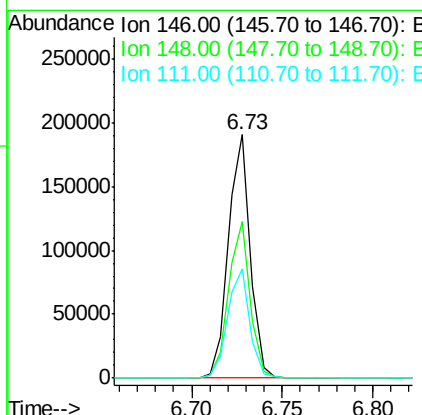
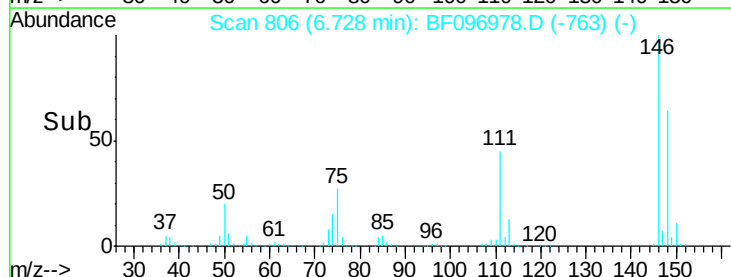
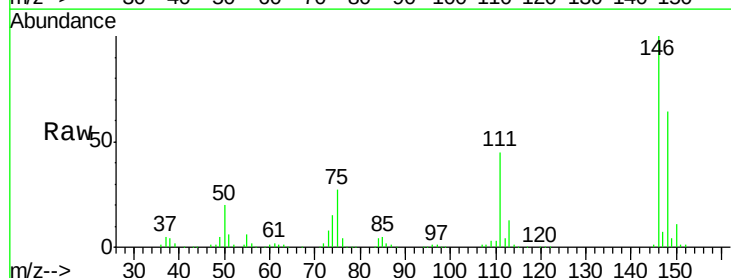
Delta R.T. -0.05 min

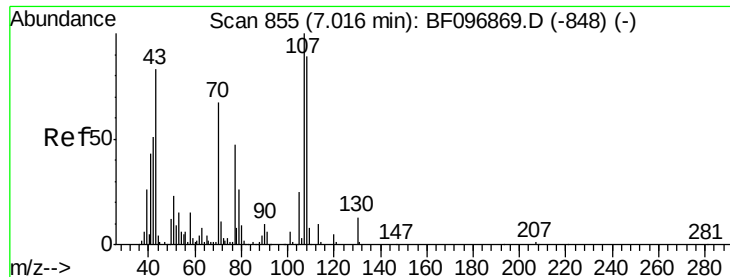
Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

Tgt Ion: 146 Resp: 160038

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.4  | 50.4  | 75.6  |
| 111 | 44.9  | 38.2  | 57.4  |

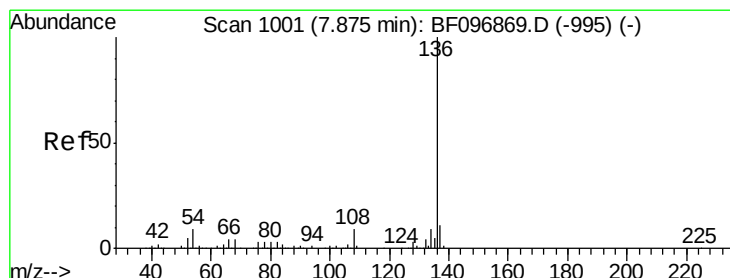
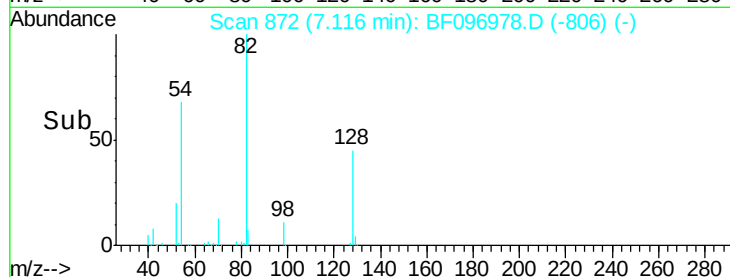
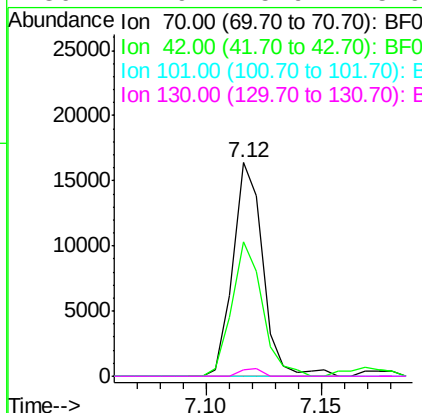
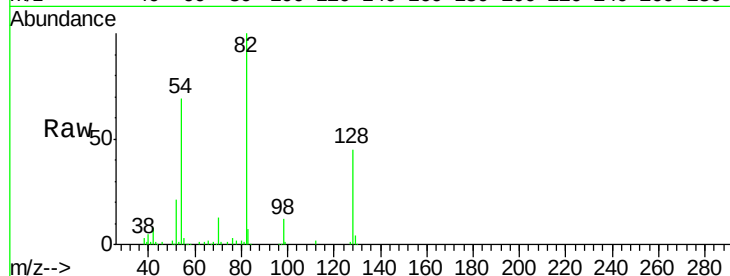




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.25 ng  
RT: 7.12 min Scan# 872  
Delta R.T. 0.09 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

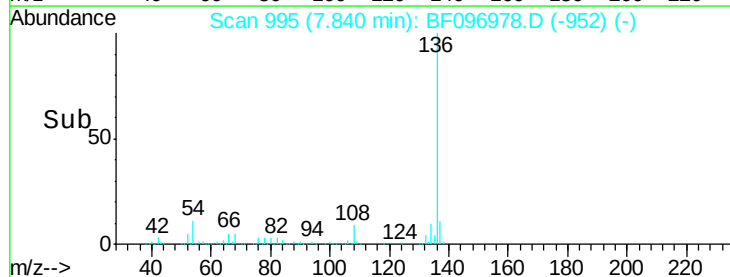
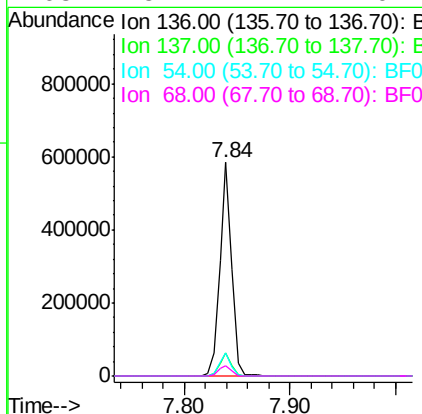
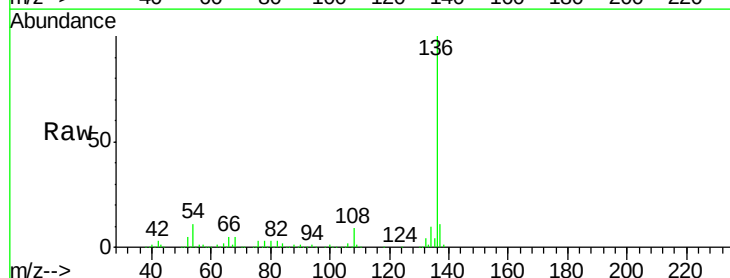
Instrument :  
BNA\_F  
ClientSampleId :  
E2-N5-WSW

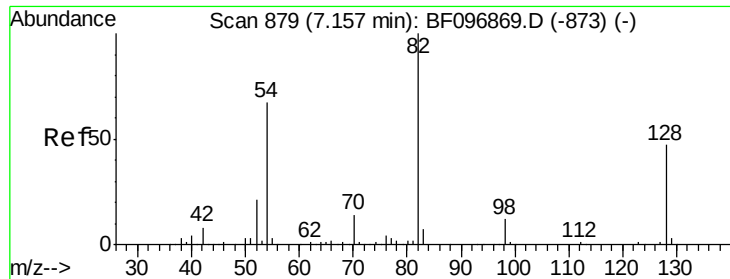
| Tot Ion   | 70    | Resp  | 14869 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 62.8  | 47.2  | 70.8  |
| 101       | 0.0   | 7.2   | 10.8# |
| 130       | 2.9   | 15.9  | 23.9# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.84 min Scan# 995  
Delta R.T. -0.05 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

| Tgt Ion   | 136   | Resp  | 466219 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.5   | 12.7   |
| 54        | 10.6  | 4.9   | 7.3#   |
| 68        | 5.1   | 4.1   | 6.1    |

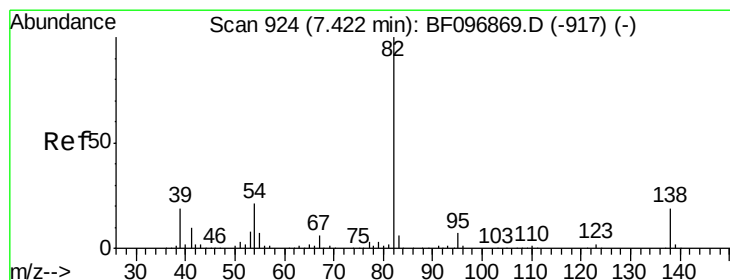
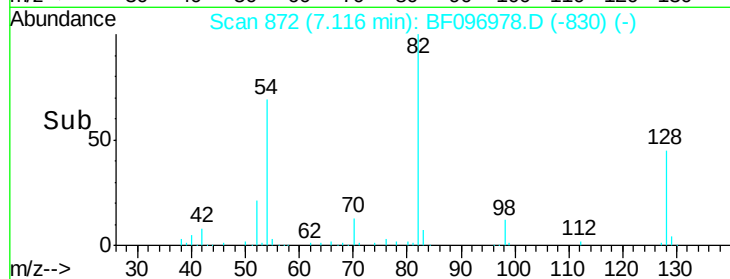
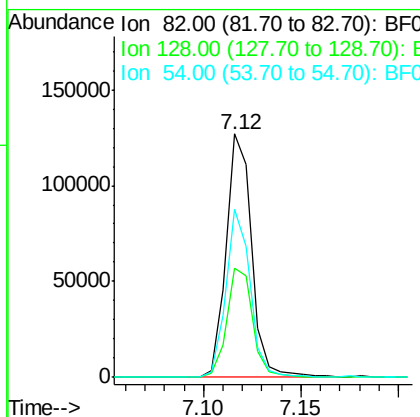
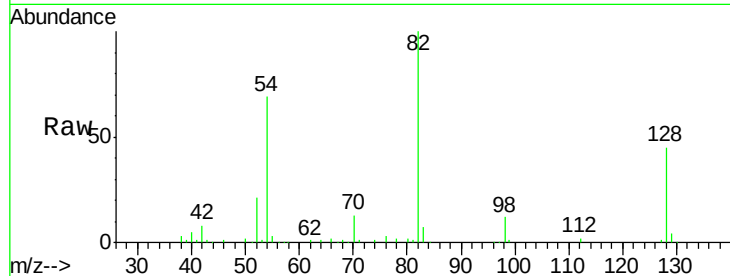




#23  
Nitrobenzene-d5  
Concen: 15.27 ng  
RT: 7.12 min Scan# 872  
Delta R.T. -0.05 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

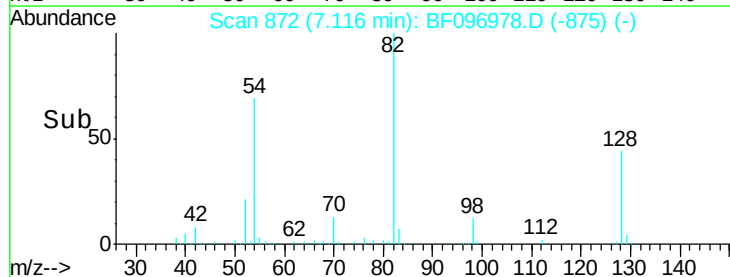
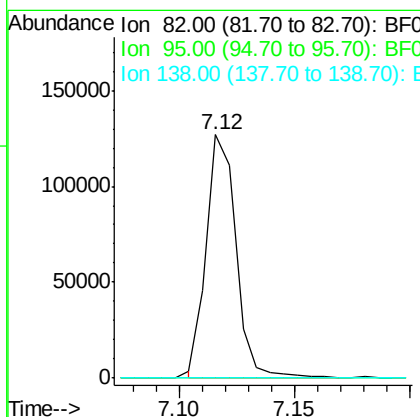
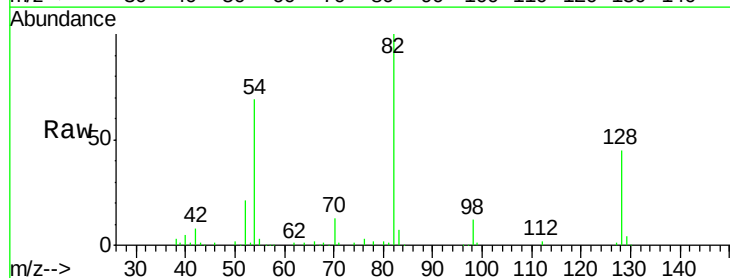
Instrument :  
BNA\_F  
ClientSampleId :  
E2-N5-WSW

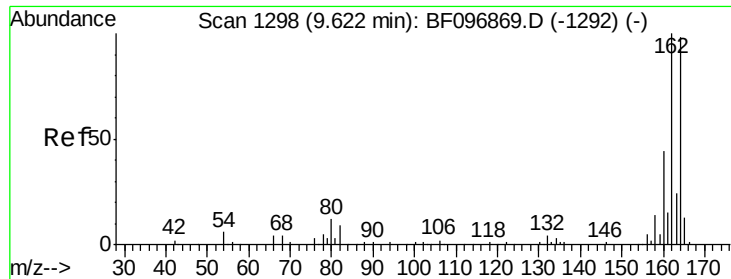
Tot Ion: 82 Resp: 114931  
Ion Ratio Lower Upper  
82 100  
128 44.7 34.0 51.0  
54 69.2 42.2 63.2#



#25  
Isophorone  
Concen: 8.02 ng  
RT: 7.12 min Scan# 872  
Delta R.T. -0.32 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

Tgt Ion: 82 Resp: 112341  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.3 7.9#  
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

Instrument :

BNA\_F

ClientSampleId :

E2-N5-WSW

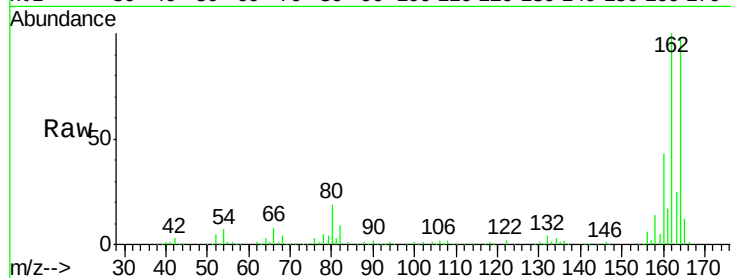
Tot Ion:164 Resp: 174945

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

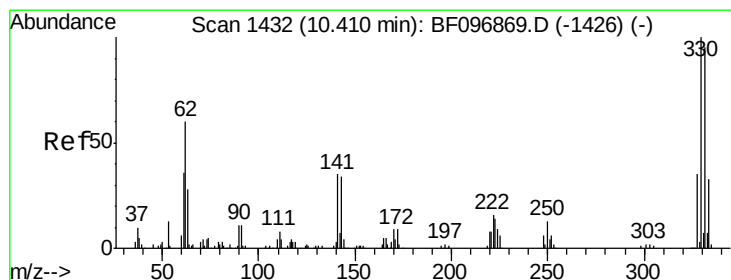
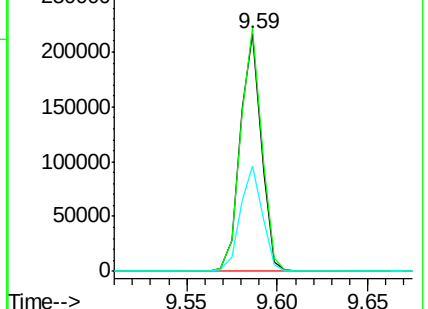
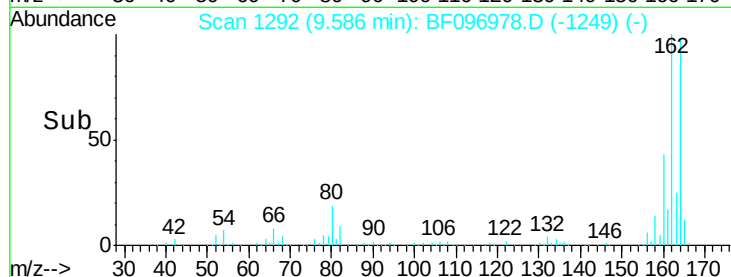
160 44.1 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 14.69 ng

RT: 10.37 min Scan# 1426

Delta R.T. -0.05 min

Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

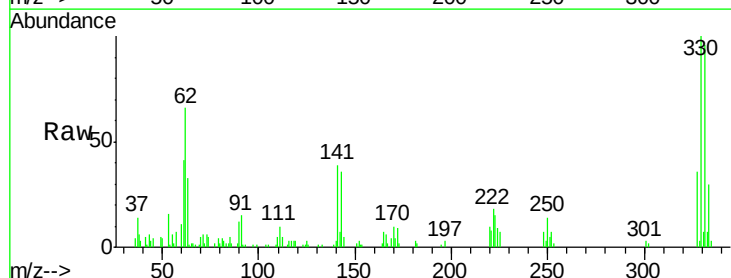
Tgt Ion:330 Resp: 21937

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

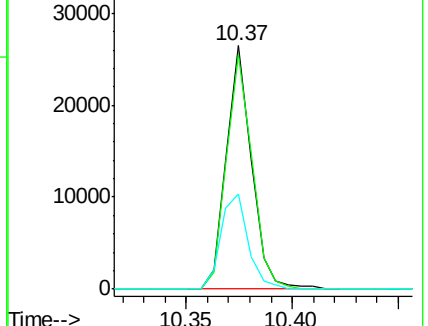
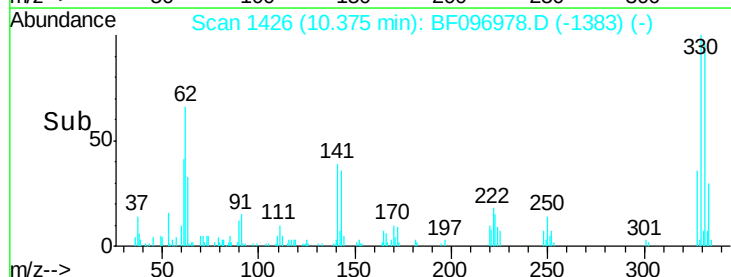
141 42.1 31.4 47.2

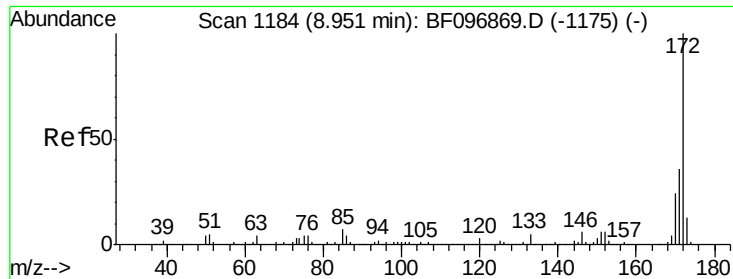


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

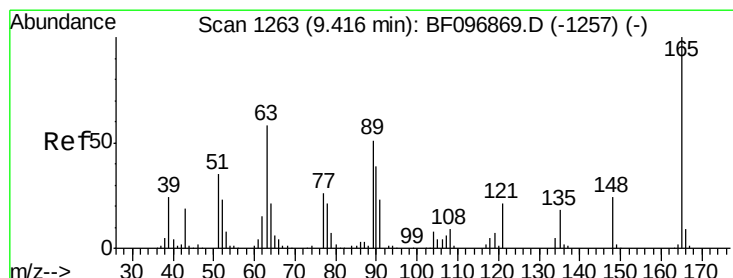
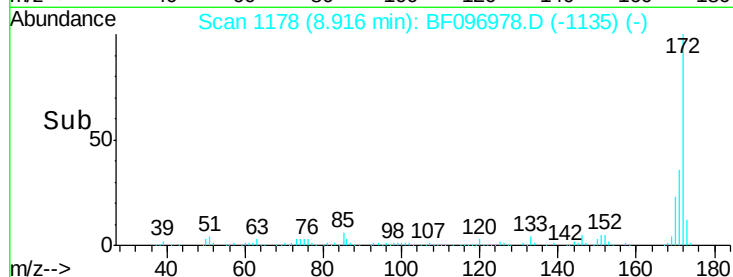
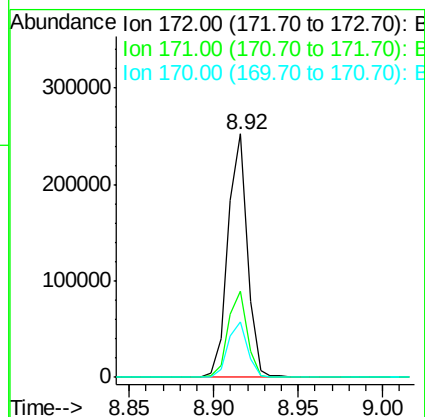
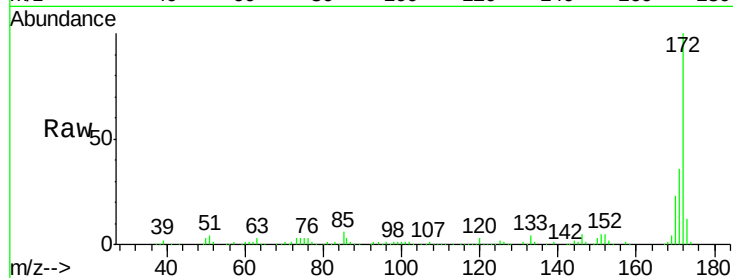




#44  
 2-Fluorobiphenyl  
 Concen: 18.23 ng  
 RT: 8.92 min Scan# 1178  
 Delta R.T. -0.05 min  
 Lab File: BF096978.D  
 Acq: 22 Jul 2017 8:47

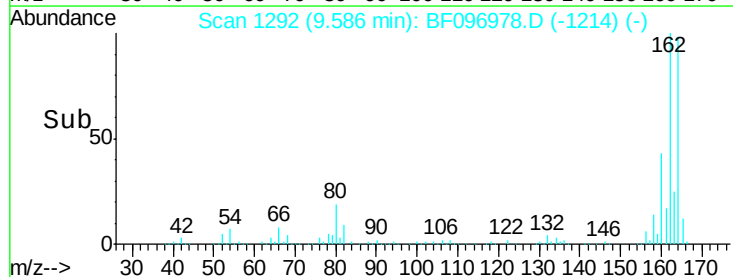
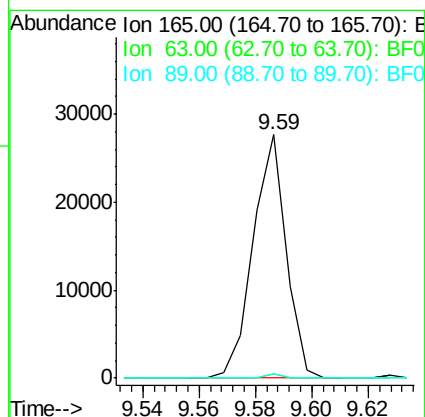
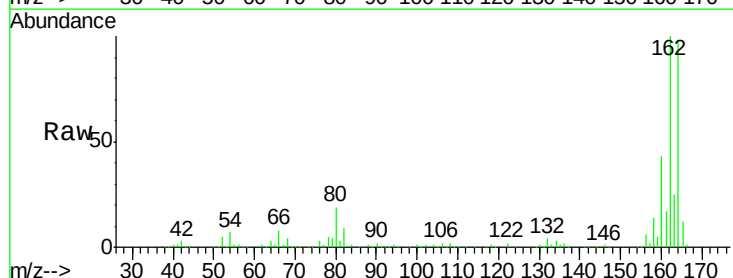
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-N5-WSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.6  | 44.4  |
| 170     | 22.9  | 19.8  | 29.8  |

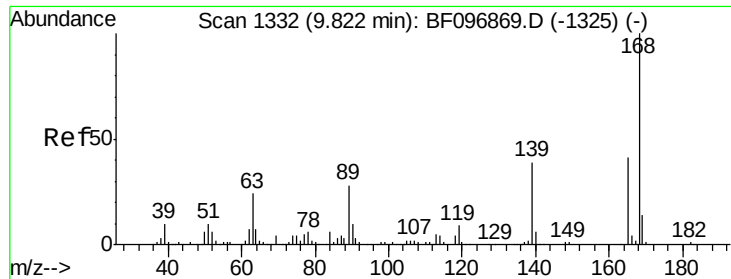


#50  
 2,6-Dinitrotoluene  
 Concen: 7.85 ng  
 RT: 9.59 min Scan# 1292  
 Delta R.T. 0.16 min  
 Lab File: BF096978.D  
 Acq: 22 Jul 2017 8:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 34.3  | 51.5# |
| 89      | 1.6   | 37.1  | 55.7# |







#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.24 min

Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

Instrument :

BNA\_F

ClientSampleId :

E2-N5-WSW

Tot Ion:165 Resp: 22410

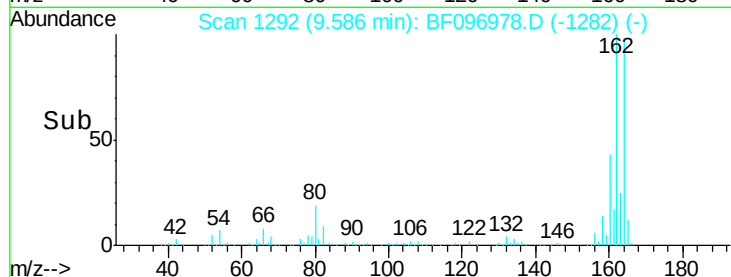
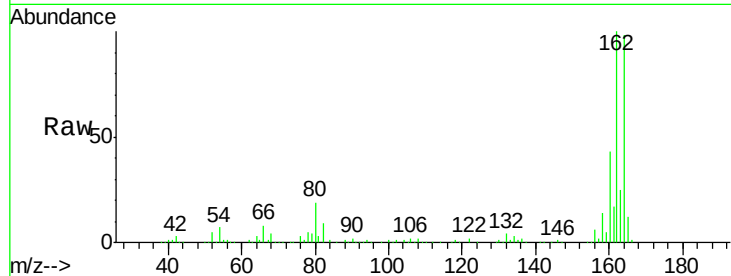
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

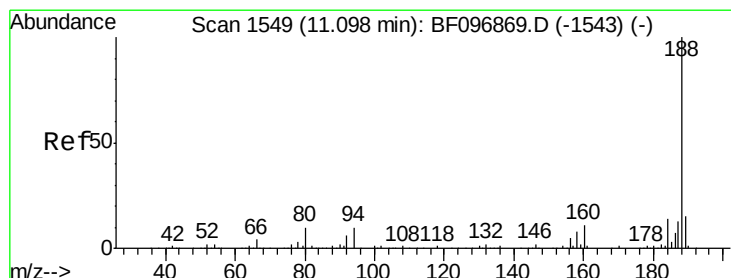
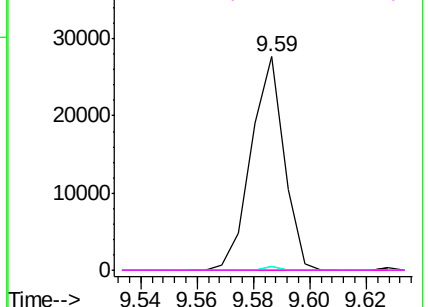


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BF096978.D

Acq: 22 Jul 2017 8:47

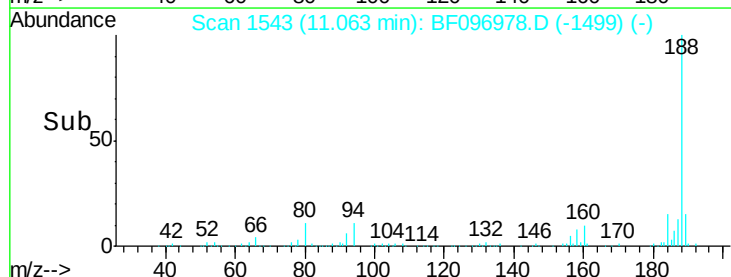
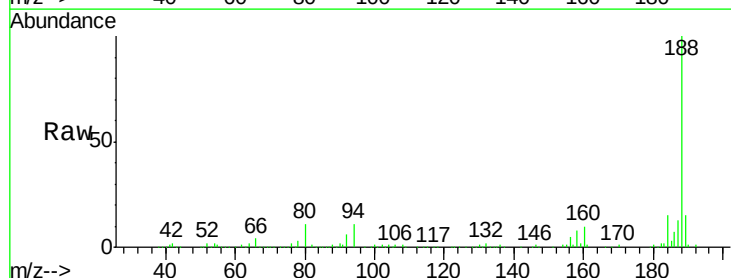
Tgt Ion:188 Resp: 236455

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

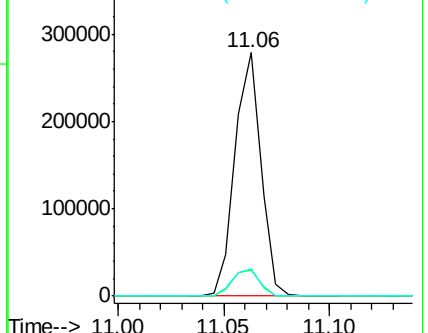
80 11.2 10.2 15.2

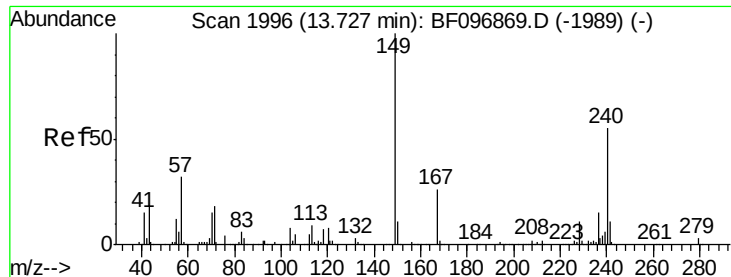


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

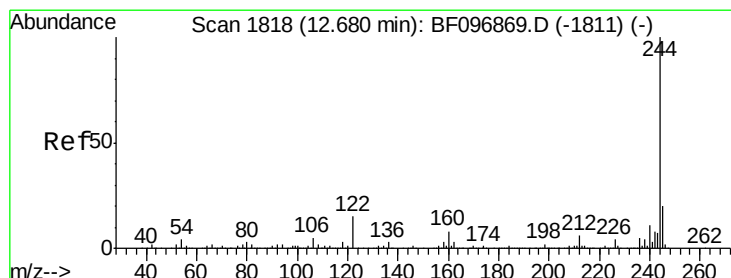
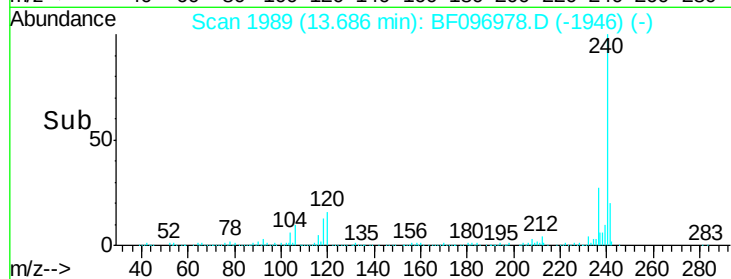
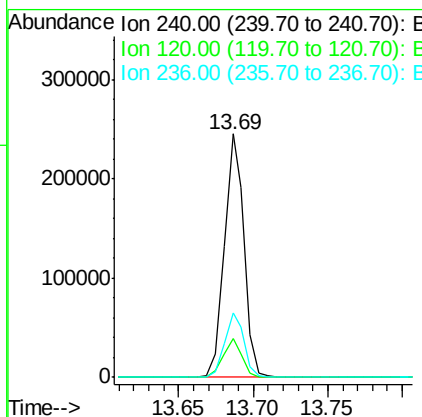
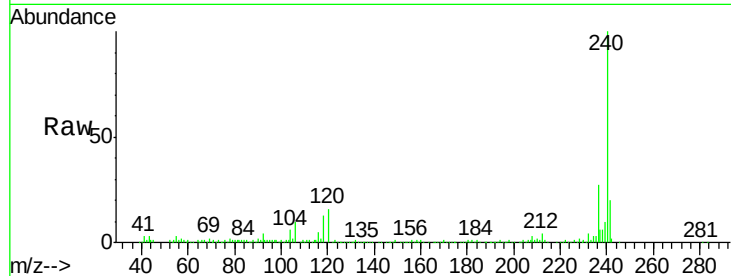




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.69 min Scan# 1989  
 Delta R.T. -0.05 min  
 Lab File: BF096978.D  
 Acq: 22 Jul 2017 8:47

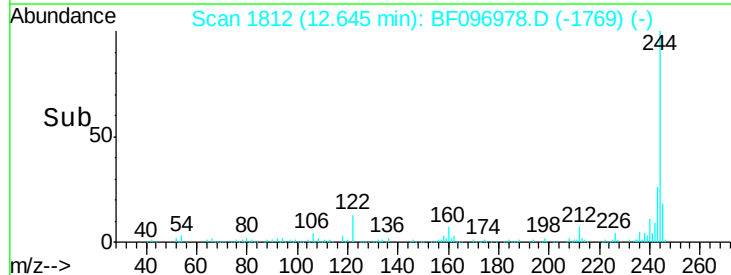
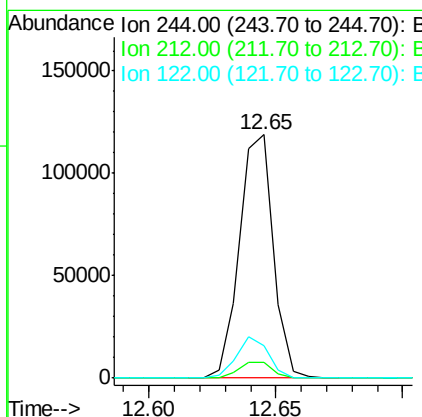
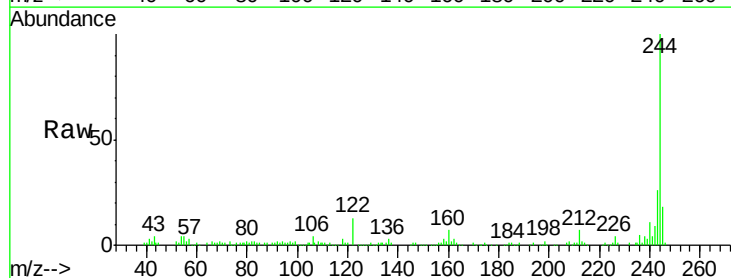
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-N5-WSW

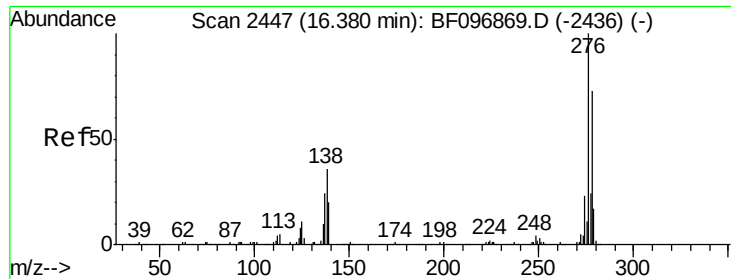
Tot Ion:240 Resp: 228529  
 Ion Ratio Lower Upper  
 240 100  
 120 15.7 5.8 8.8#  
 236 26.6 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 8.34 ng  
 RT: 12.65 min Scan# 1812  
 Delta R.T. -0.05 min  
 Lab File: BF096978.D  
 Acq: 22 Jul 2017 8:47

Tgt Ion:244 Resp: 109874  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.0 9.0  
 122 13.3 10.3 15.5

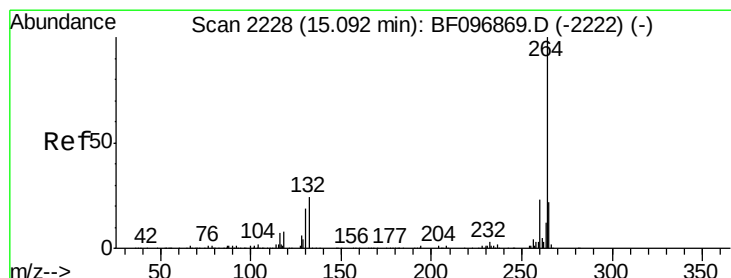
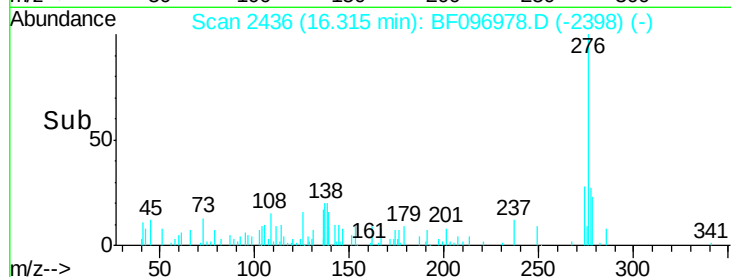
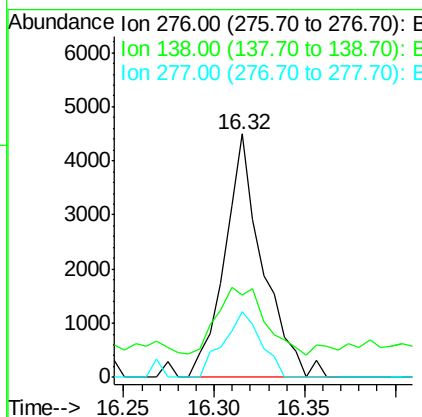
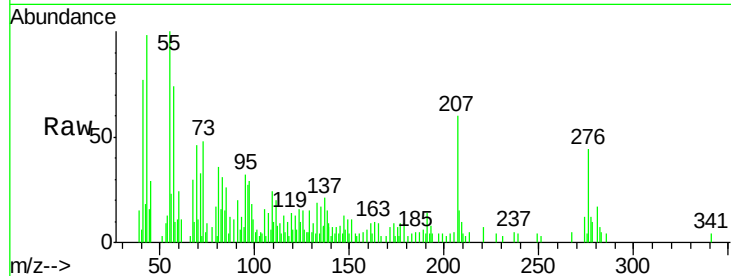




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 3.81 ng  
RT: 16.32 min Scan# 2436  
Delta R.T. -0.08 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

Instrument :  
BNA\_F  
ClientSampleId :  
E2-N5-WSW

Tot Ion:276 Resp: 6542  
Ion Ratio Lower Upper  
276 100  
138 34.6 27.8 41.6  
277 27.1 20.2 30.4



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.06 min Scan# 2222  
Delta R.T. -0.05 min  
Lab File: BF096978.D  
Acq: 22 Jul 2017 8:47

Tgt Ion:264 Resp: 182688  
Ion Ratio Lower Upper  
264 100  
260 23.0 19.5 29.3  
265 20.8 17.2 25.8

