

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\  
 Data File : BF111947.D  
 Acq On : 9 Jan 2019 13:38  
 Operator : JU/SJ  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 10 01:51:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ng    | -6.89    |
| 21) Naphthalene-d8        | 0.00  | 136  | 0        | 0.00  | ng    | -8.17    |
| 39) Acenaphthene-d10      | 0.00  | 164  | 0        | 0.00  | ng    | -9.93    |
| 64) Phenanthrene-d10      | 11.66 | 188  | 323      | 20.00 | ng    | 0.25     |
| 76) Chrysene-d12          | 0.00  | 240  | 0        | 0.00  | ng    | -14.06   |
| 87) Perylene-d12          | 15.75 | 264  | 107      | 20.00 | ng    | 0.22     |

## System Monitoring Compounds

|                          |      |     |   |      |    |
|--------------------------|------|-----|---|------|----|
| 5) 2-Fluorophenol        | 0.00 | 112 | 0 | 0.00 | ng |
| 7) Phenol-d6             | 0.00 | 99  | 0 | 0.00 | ng |
| 23) Nitrobenzene-d5      | 0.00 | 82  | 0 | 0.00 | ng |
| 42) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng |
| 45) 2-Fluorobiphenyl     | 0.00 | 172 | 0 | 0.00 | ng |
| 79) Terphenyl-d14        | 0.00 | 244 | 0 | 0.00 | ng |

## Target Compounds

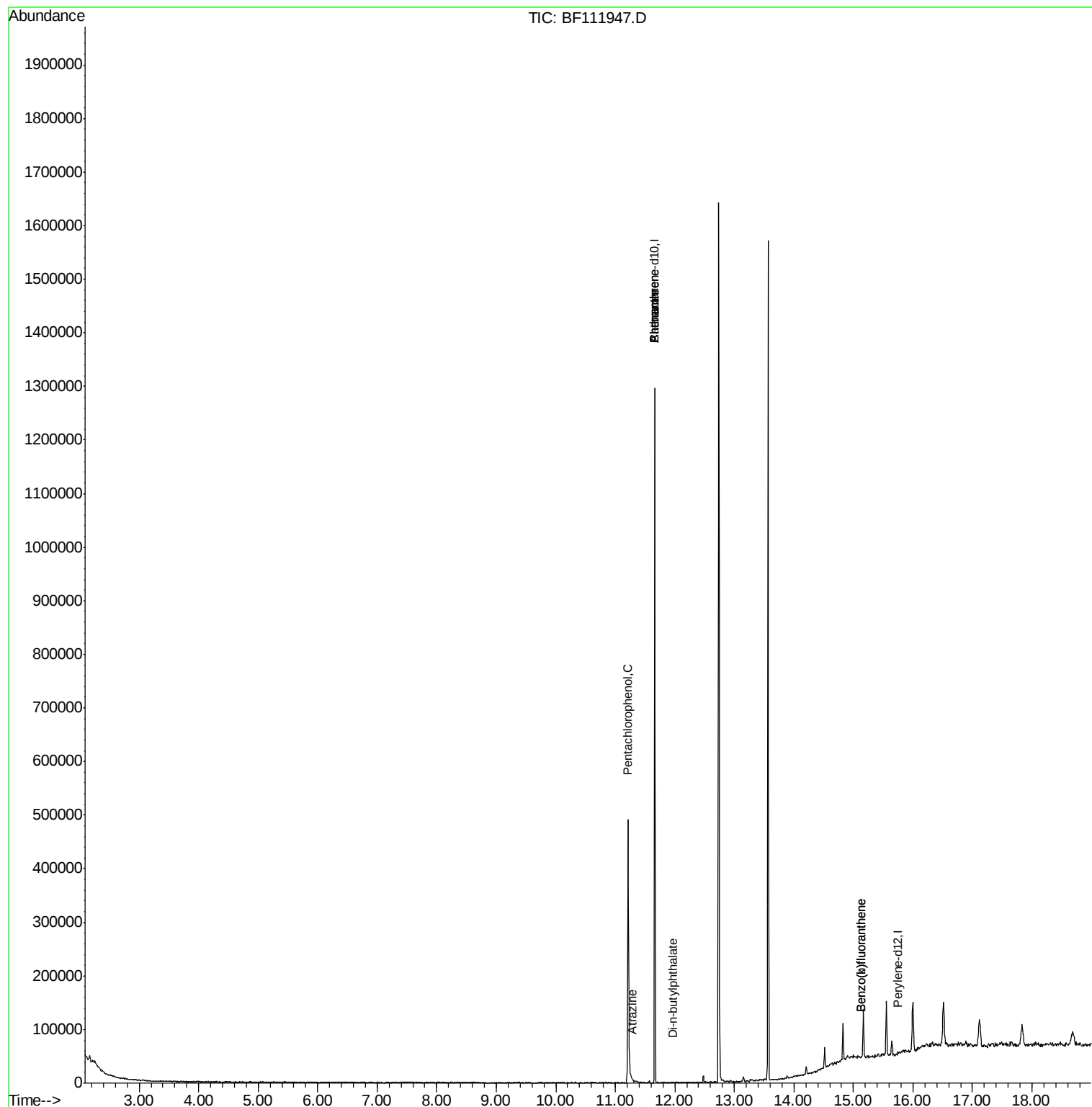
|                          | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------|-------|------|----------|-----------|-------|--------|
| 69) Atrazine             | 11.29 | 200  | 359      | 94.268    | ng    | # 35   |
| 70) Pentachlorophenol    | 11.22 | 266  | 72758    | 27576.616 | ng    | # 99   |
| 71) Phenanthrene         | 11.66 | 178  | 136      | 7.875     | ng    | # 1    |
| 72) Anthracene           | 11.66 | 178  | 136      | 7.758     | ng    | # 1    |
| 73) Carbazole            | 11.66 | 167  | 4514     | 264.715   | ng    | # 78   |
| 74) Di-n-butylphthalate  | 11.96 | 149  | 209      | 10.552    | ng    | # 78   |
| 88) Benzo(b)fluoranthene | 15.13 | 252  | 114      | 17.811    | ng    | # 1    |
| 89) Benzo(k)fluoranthene | 15.13 | 252  | 114      | 18.948    | ng    | # 1    |

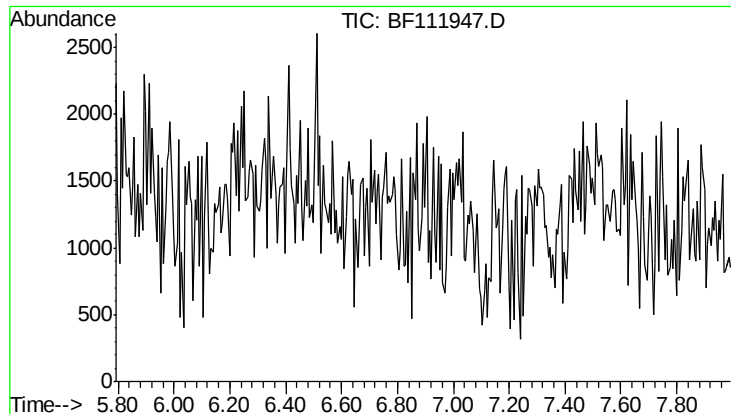
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
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QLast Update : Mon Jan 07 14:33:51 2019  
Response via : Initial Calibration

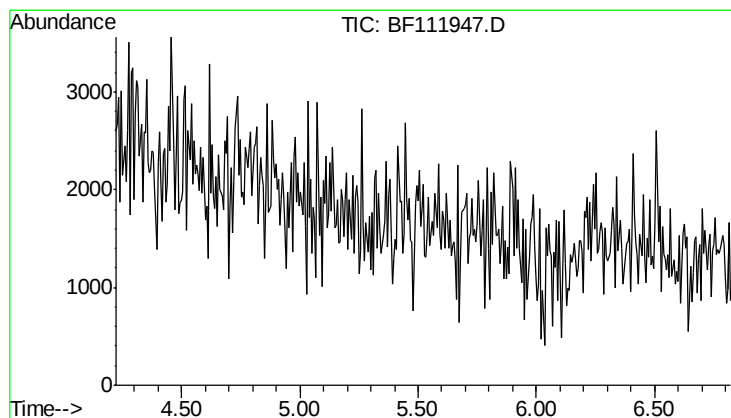
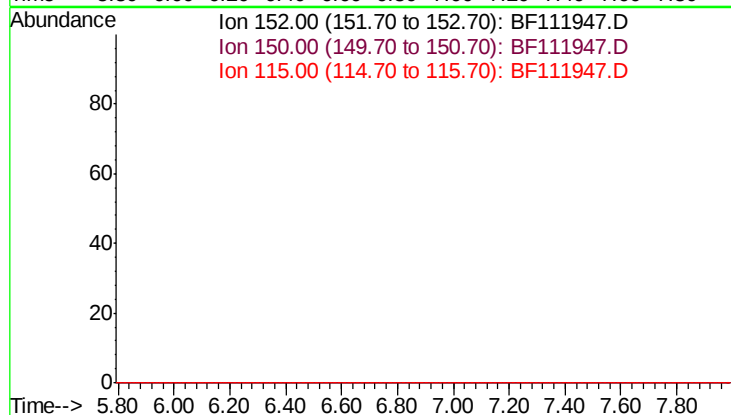




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ng  
 Expected RT: 6.89 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

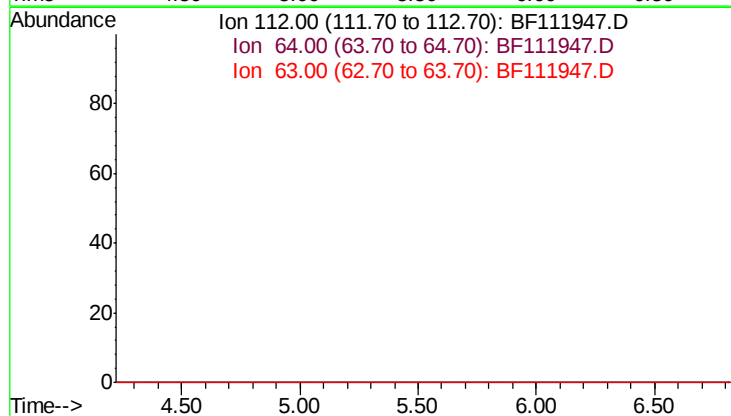
Instrument :  
 BNA\_F  
 ClientSampleId :

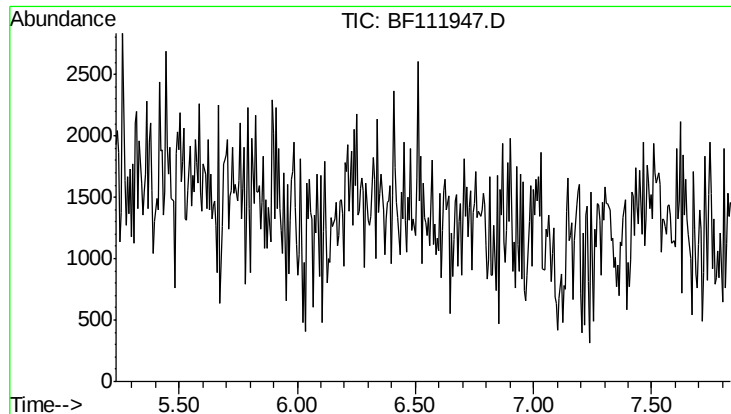
Tot Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 153.4  
 115 56.5



#5  
 2-Fluorophenol  
 Concen: 0.000 ng  
 Expected RT: 5.52 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 60.4  
 63 32.6





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.53 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

Instrument :

BNA\_F

ClientSampleId :

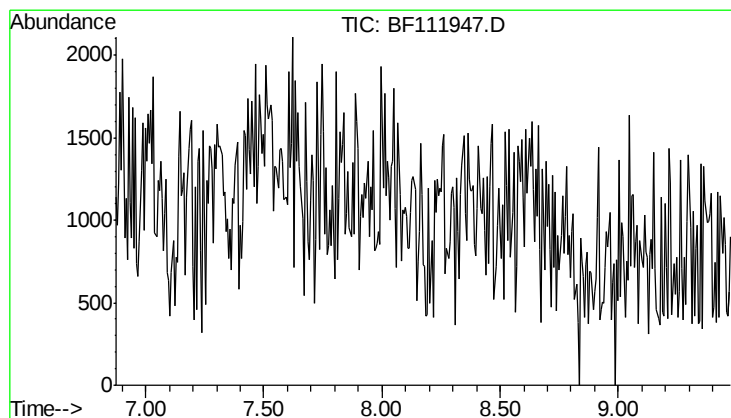
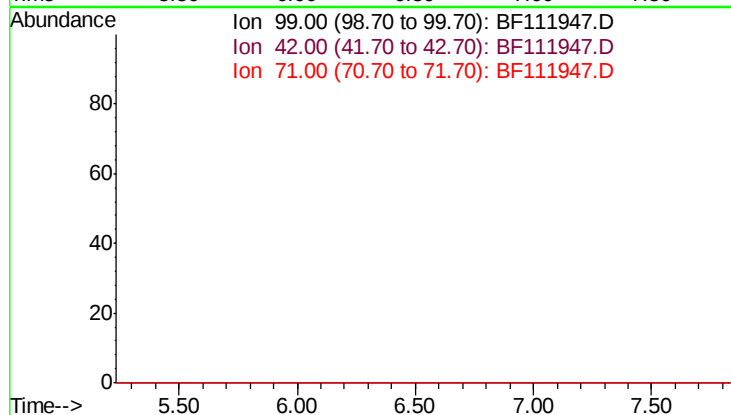
Tot Ion: 99

Sig Exp Ratio

99 100

42 22.4

71 35.9



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 8.17 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

Tgt Ion: 136

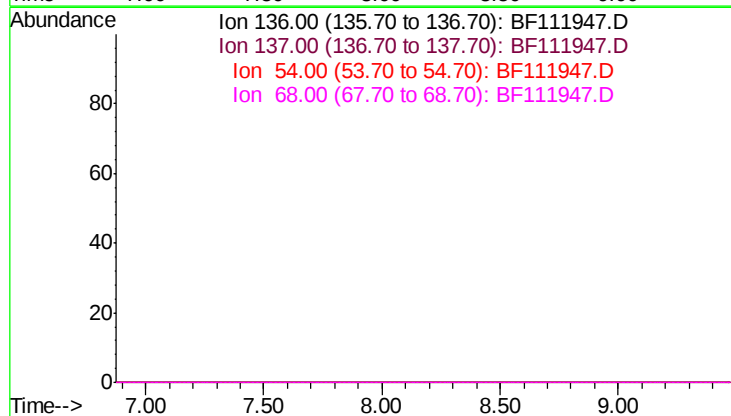
Sig Exp Ratio

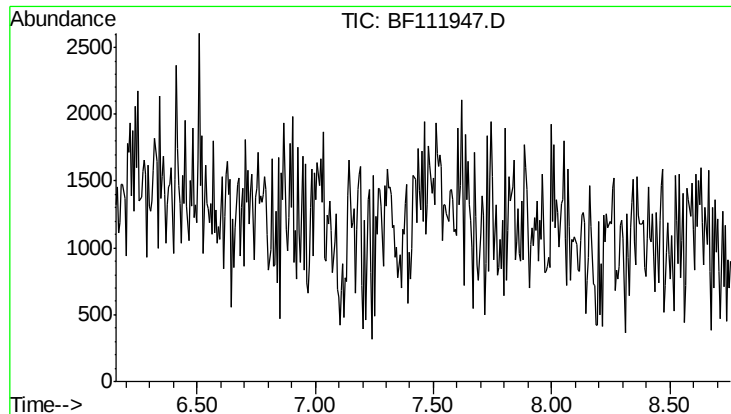
136 100

137 11.4

54 9.0

68 5.5

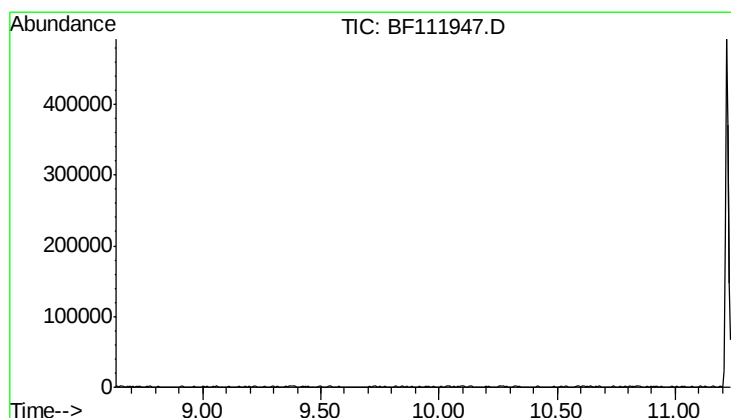
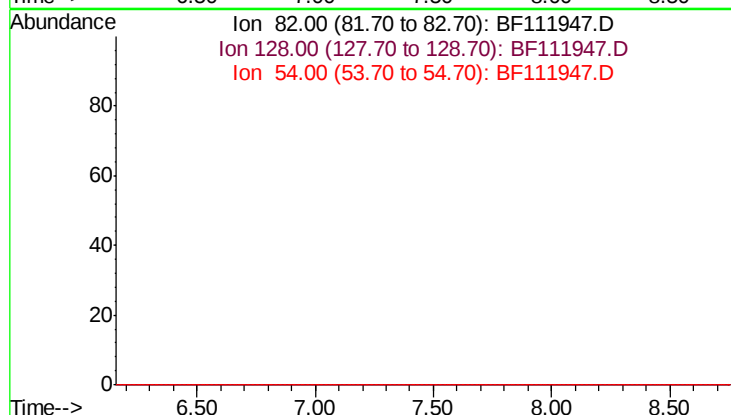




#23  
 Nitrobenzene-d5  
 Concen: 0.000 ng  
 Expected RT: 7.46 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

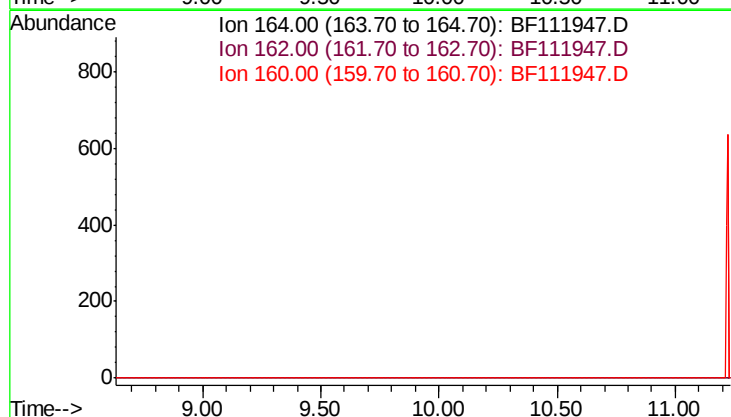
Instrument :  
 BNA\_F  
 ClientSampleId :

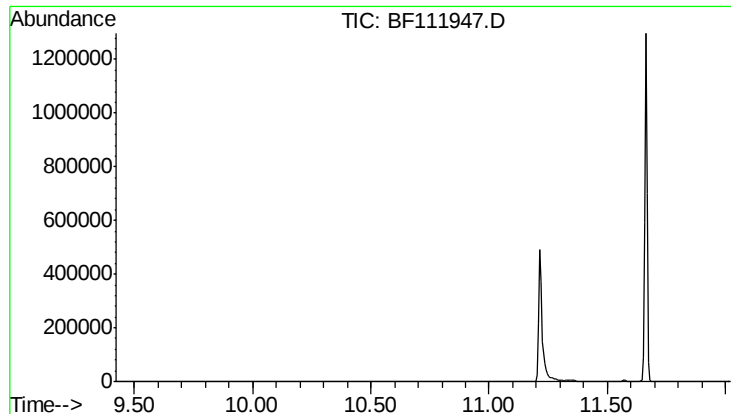
Tot Ion: 82  
 Sig Exp Ratio  
 82 100  
 128 44.6  
 54 57.3



#39  
 Acenaphthene-d10  
 Concen: 0.000 ng  
 Expected RT: 9.93 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Tgt Ion: 164  
 Sig Exp Ratio  
 164 100  
 162 102.7  
 160 44.4

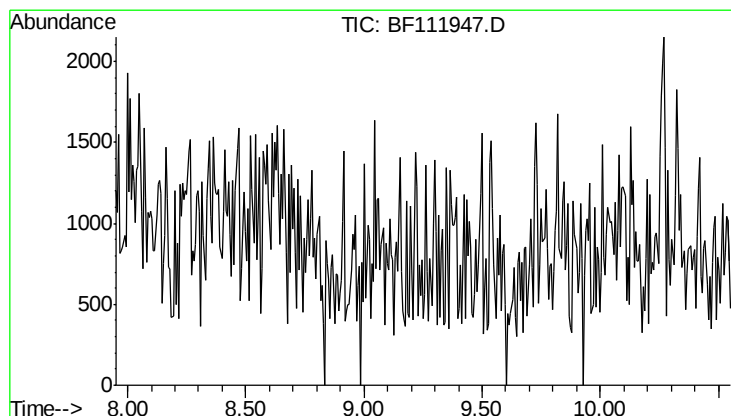
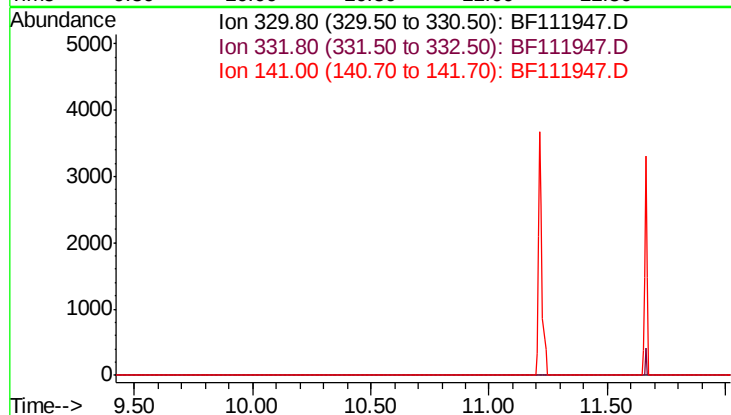




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 10.72 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

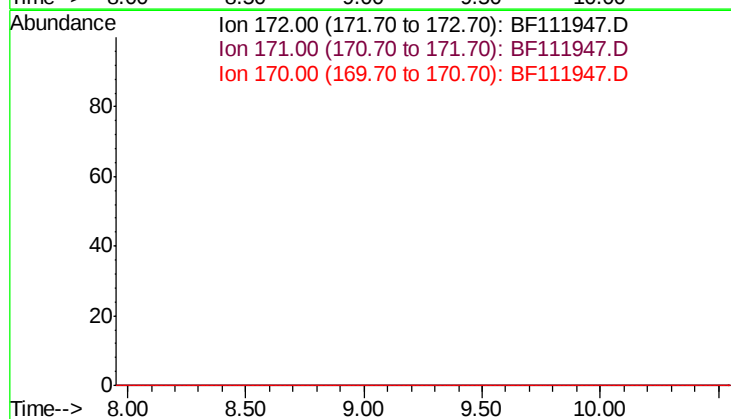
Instrument :  
 BNA\_F  
 ClientSampleId :

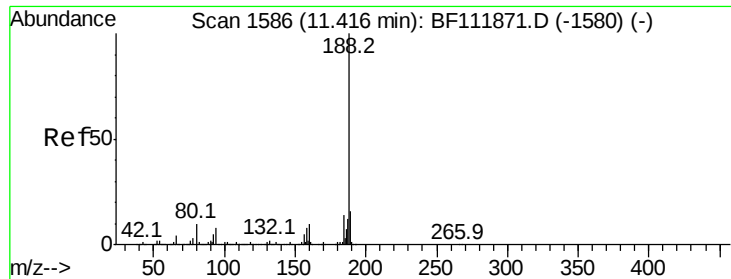
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.1  
 141 29.6



#45  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 9.25 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 37.0  
 170 24.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.66 min Scan# 1628

Delta R.T. 0.25 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

Instrument :

BNA\_F

ClientSampleId :

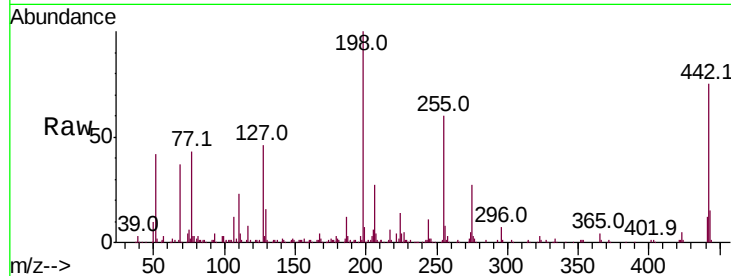
Tot Ion:188 Resp: 323

Ion Ratio Lower Upper

188 100

94 66.7 6.6 10.0#

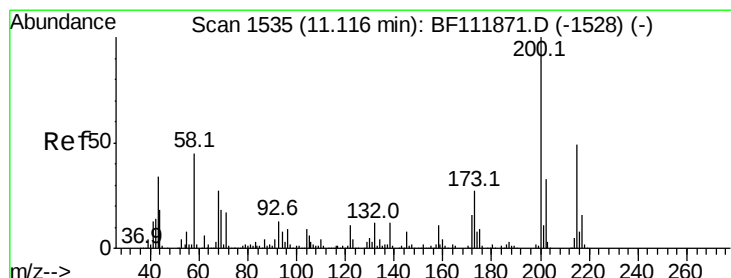
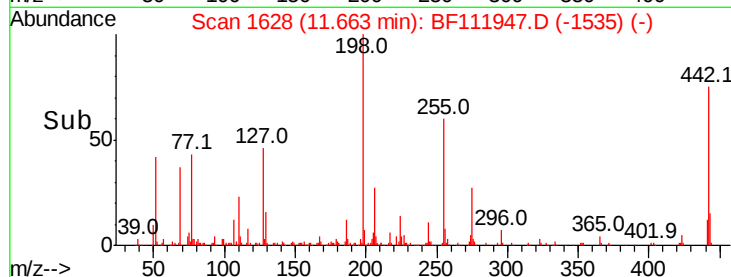
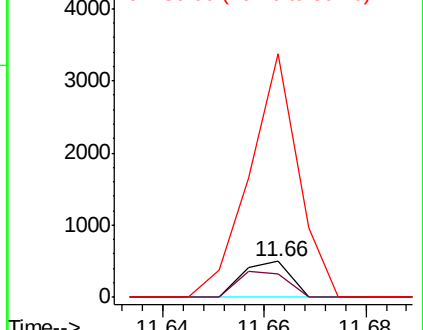
80 675.8 7.7 11.5#



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



#69

Atrazine

Concen: 94.268 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.17 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

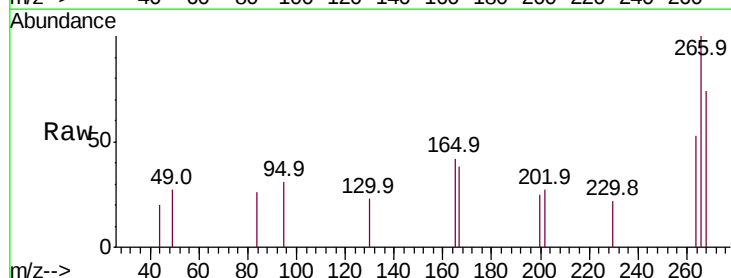
Tgt Ion:200 Resp: 359

Ion Ratio Lower Upper

200 100

173 0.0 6.6 46.6#

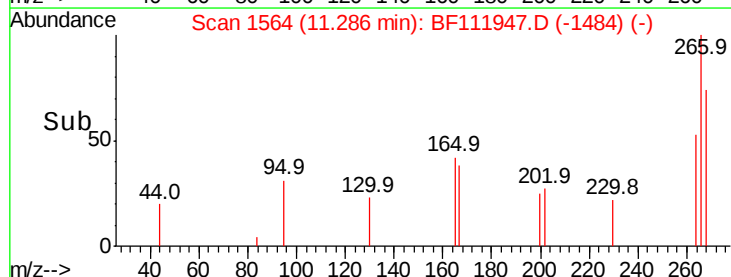
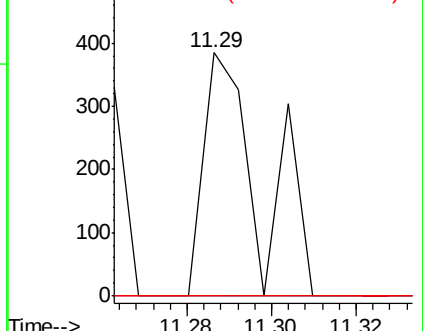
215 0.0 28.9 68.9#

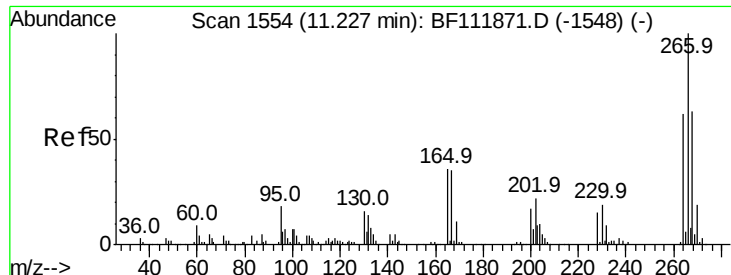


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

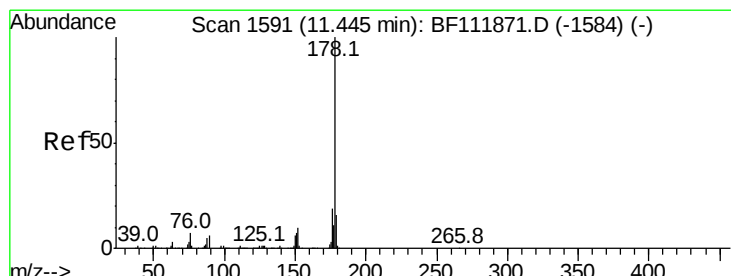
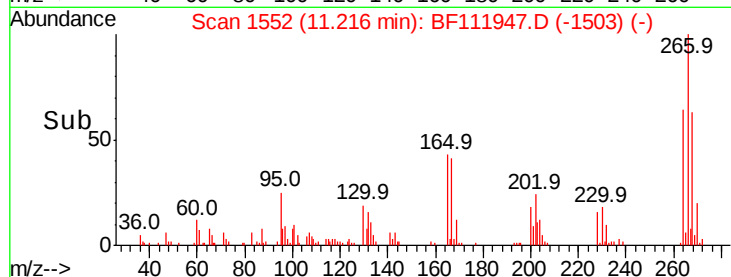
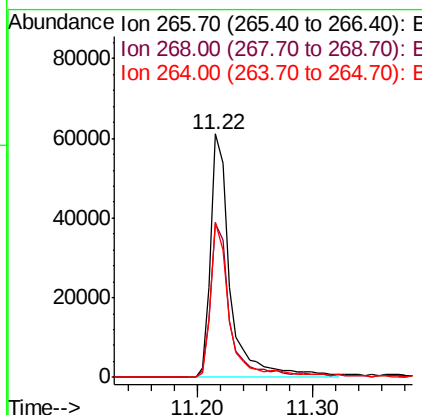
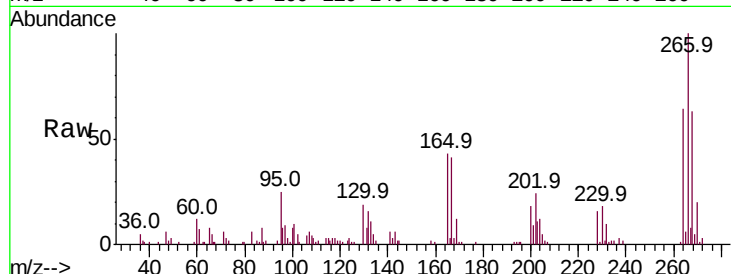




#70  
 Pentachlorophenol  
 Concen: 27576.616 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.01 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

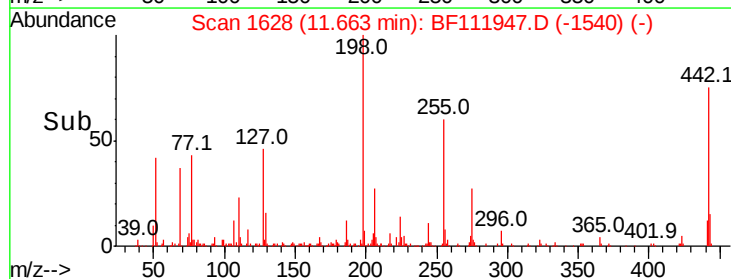
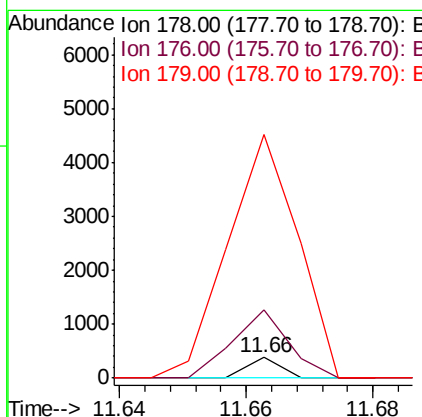
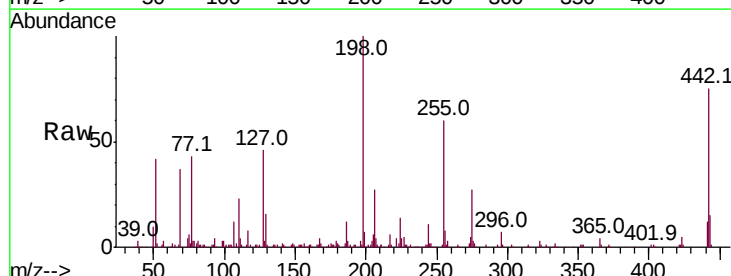
Instrument :  
 BNA\_F  
 ClientSampled :

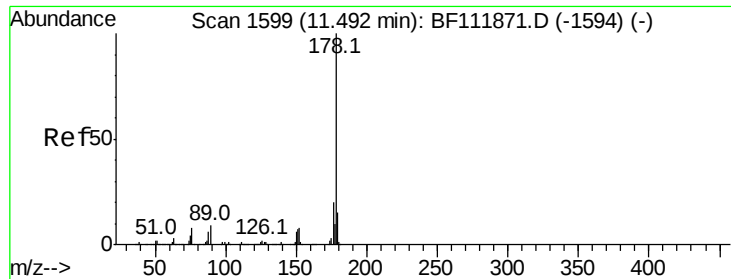
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.3  | 50.6  | 76.0  |
| 264     | 63.7  | 49.3  | 73.9  |



#71  
 Phenanthrene  
 Concen: 7.875 ng  
 RT: 11.66 min Scan# 1628  
 Delta R.T. 0.22 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 178     | 100    |       |       |
| 176     | 326.0  | 15.6  | 23.4# |
| 179     | 1173.2 | 12.6  | 18.8# |

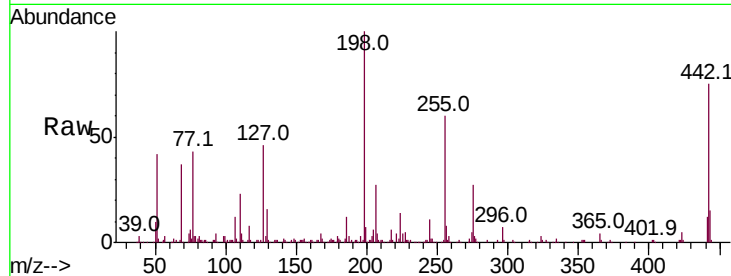




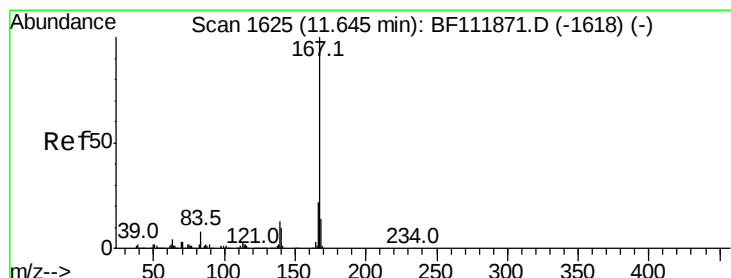
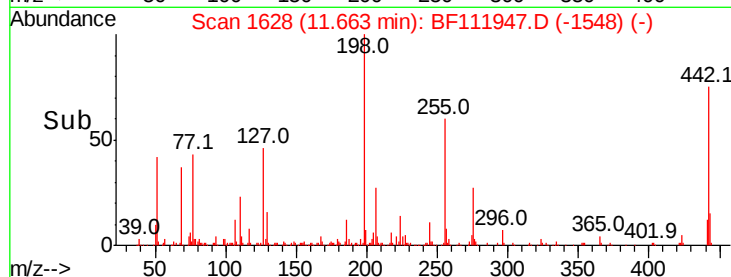
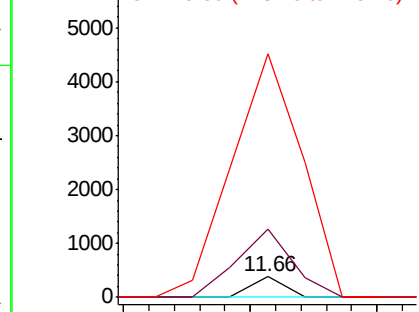
#72  
 Anthracene  
 Concen: 7.758 ng  
 RT: 11.66 min Scan# 1628  
 Delta R.T. 0.17 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 136  
 Ion Ratio Lower Upper  
 178 100  
 176 326.0 15.7 23.5#  
 179 1173.2 12.4 18.6#

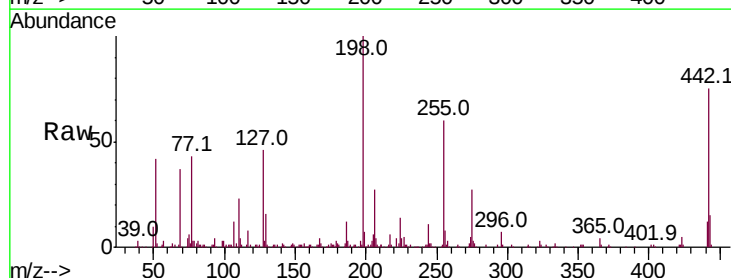


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

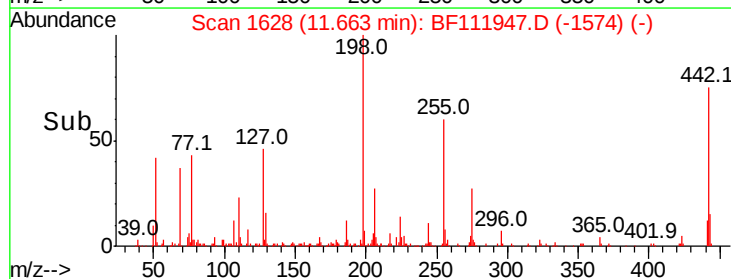
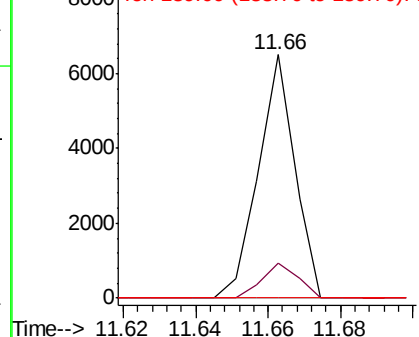


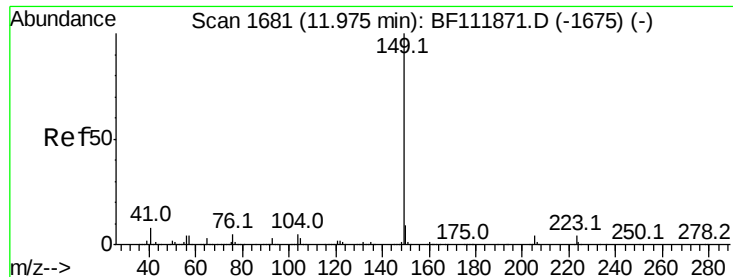
#73  
 Carbazole  
 Concen: 264.715 ng  
 RT: 11.66 min Scan# 1628  
 Delta R.T. 0.02 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Tgt Ion:167 Resp: 4514  
 Ion Ratio Lower Upper  
 167 100  
 166 14.6 17.8 26.6#  
 139 0.0 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 10.552 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.01 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

Instrument :

BNA\_F

ClientSampleId :

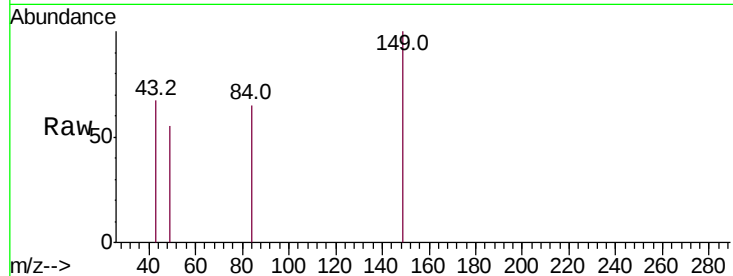
Tot Ion:149 Resp: 209

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

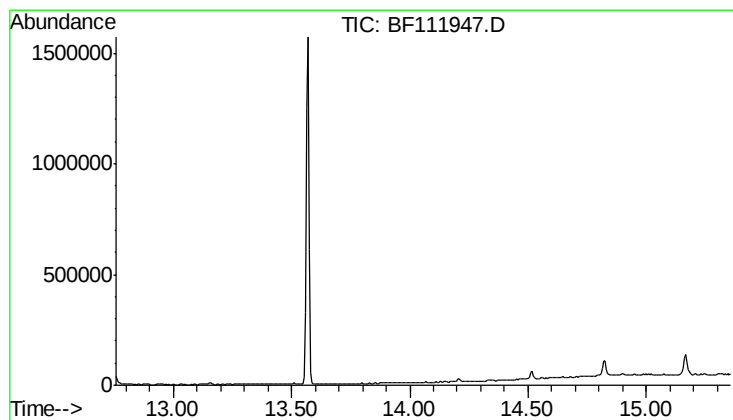
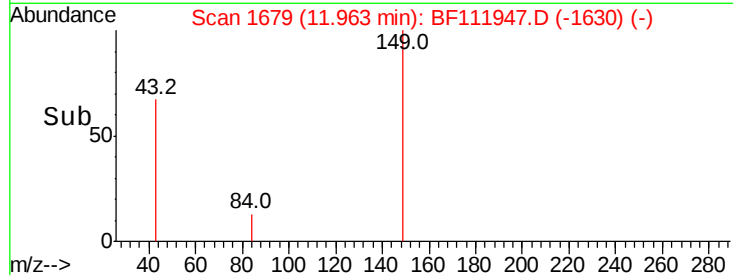
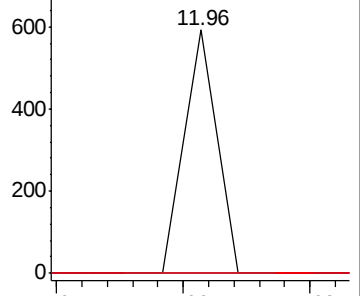
104 0.0 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 14.06 min

Lab File: BF111947.D

Acq: 9 Jan 2019 13:38

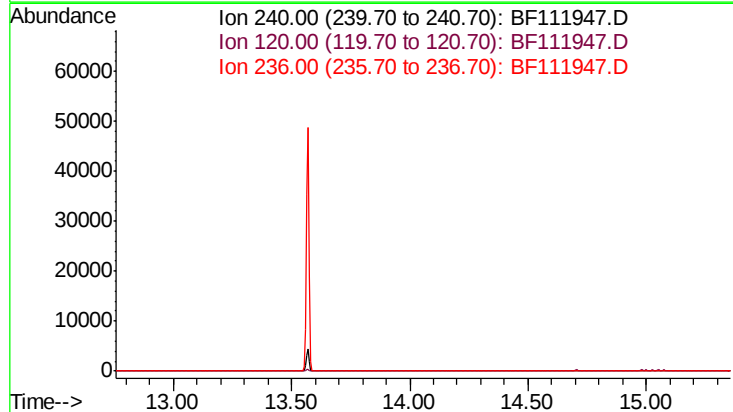
Tgt Ion: 240

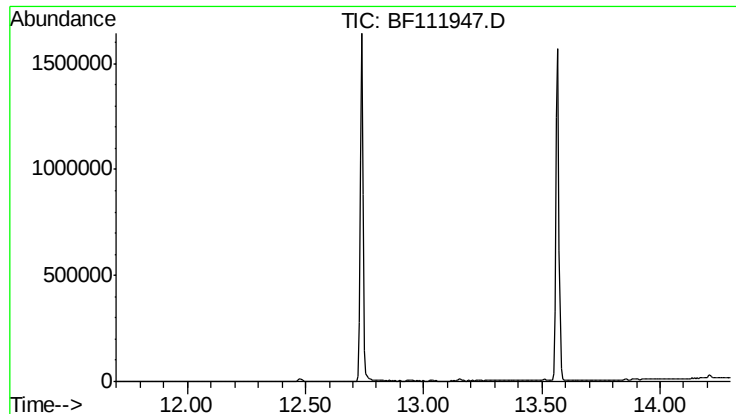
Sig Exp Ratio

240 100

120 10.2

236 25.3

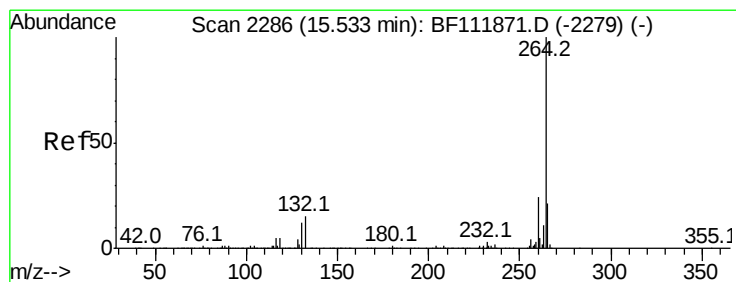
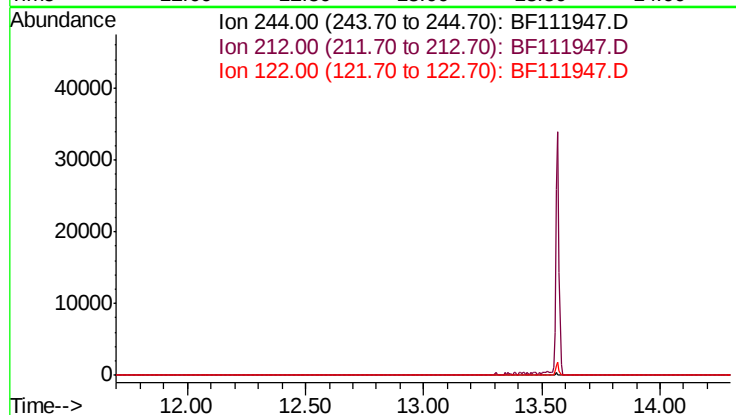




#79  
 Terphenyl-d14  
 Concen: 0.000 ng  
 Expected RT: 13.00 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

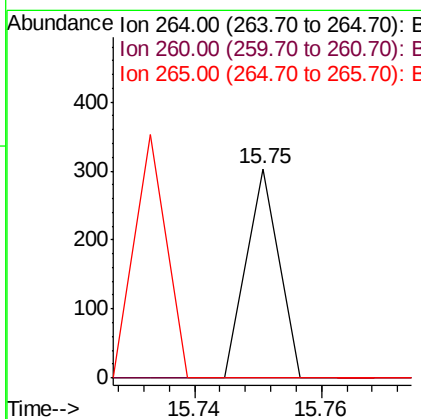
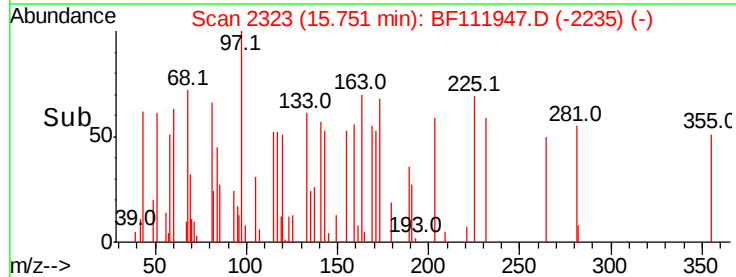
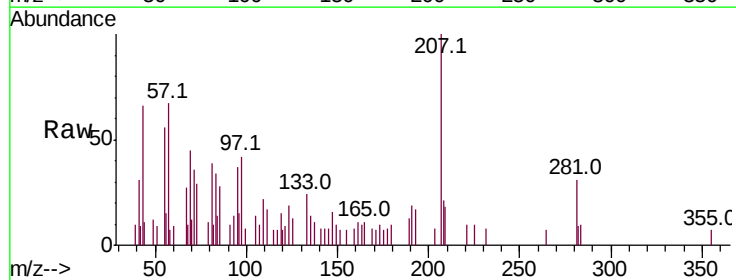
Instrument :  
 BNA\_F  
 ClientSampleId :

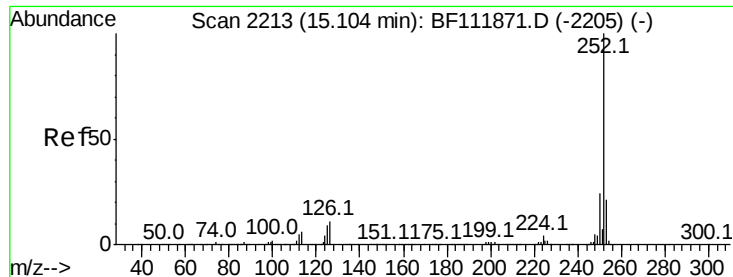
Tot Ion: 244  
 Sig Exp Ratio  
 244 100  
 212 7.3  
 122 11.9



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.75 min Scan# 2323  
 Delta R.T. 0.22 min  
 Lab File: BF111947.D  
 Acq: 9 Jan 2019 13:38

Tgt Ion: 264 Resp: 107  
 Ion Ratio Lower Upper  
 264 100  
 260 0.0 19.2 28.8#  
 265 0.0 17.1 25.7#

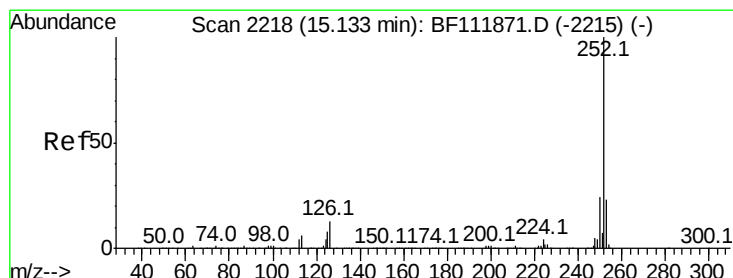
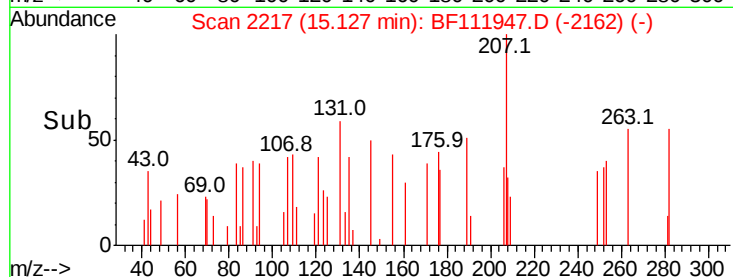
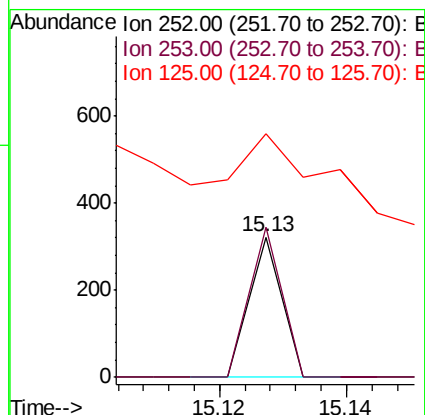
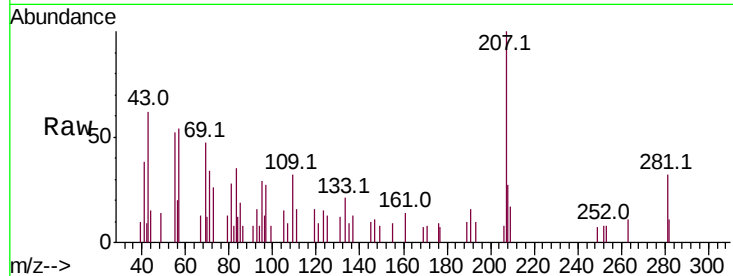




#88  
Benzo(b)fluoranthene  
Concen: 17.811 ng  
RT: 15.13 min Scan# 2217  
Delta R.T. 0.02 min  
Lab File: BF111947.D  
Acq: 9 Jan 2019 13:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 114  
Ion Ratio Lower Upper  
252 100  
253 106.8 17.0 25.6#  
125 173.6 7.1 10.7#



#89  
Benzo(k)fluoranthene  
Concen: 18.948 ng  
RT: 15.13 min Scan# 2217  
Delta R.T. -0.01 min  
Lab File: BF111947.D  
Acq: 9 Jan 2019 13:38

Tgt Ion:252 Resp: 114  
Ion Ratio Lower Upper  
252 100  
253 106.8 17.8 26.6#  
125 173.6 7.0 10.4#

