

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\  
 Data File : BF111537.D  
 Acq On : 17 Dec 2018 14:11  
 Operator : JU/SJ  
 Sample : J6386-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1218-01

Quant Time: Dec 18 04:48:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

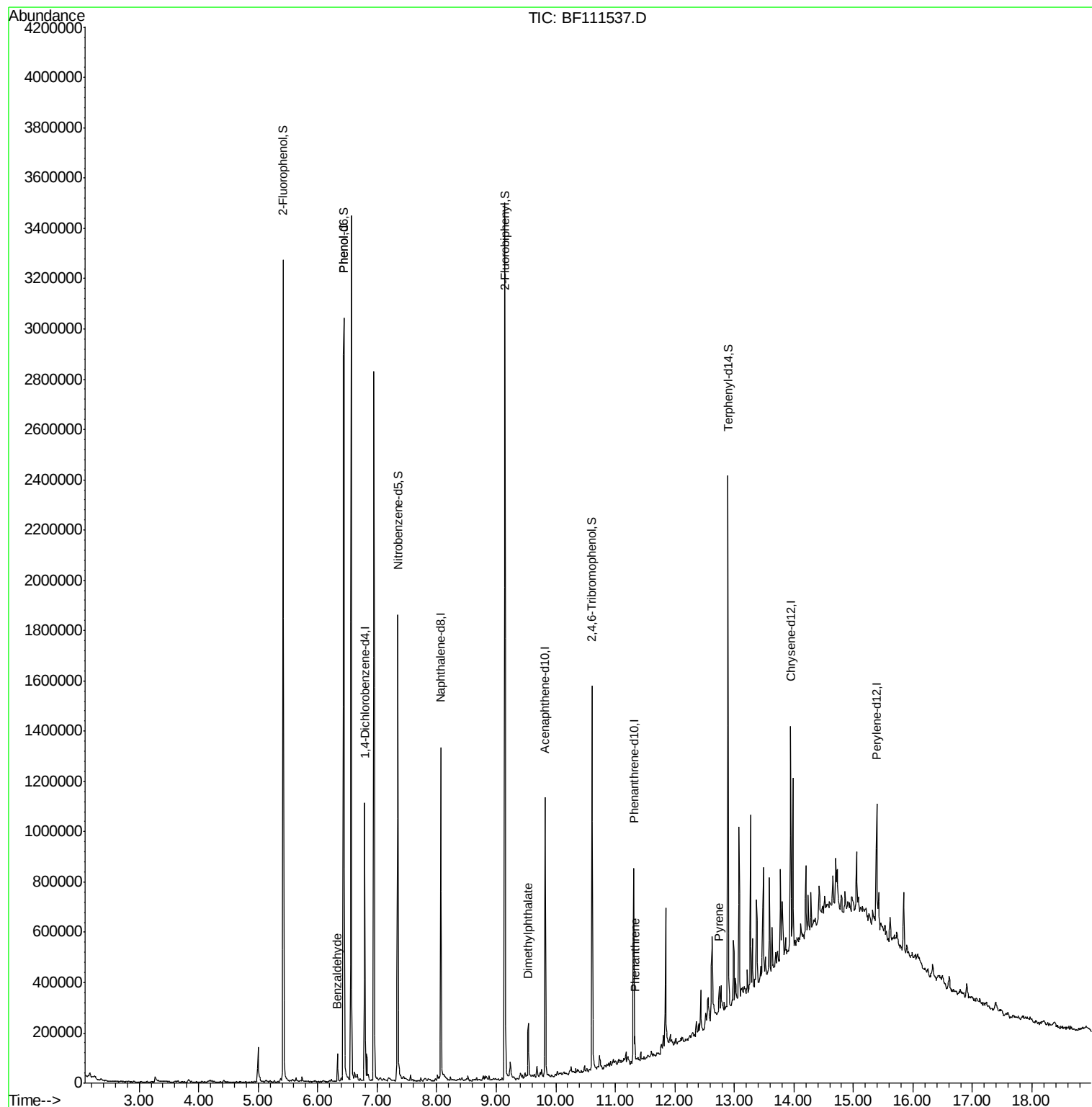
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 155144   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 582813   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.82  | 164  | 230477   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.31 | 188  | 305292   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.94 | 240  | 293327   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.39 | 264  | 240711   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 853563   | 91.55 | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 1074194  | 86.62 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 645000   | 65.90 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.61 | 330  | 158922   | 76.98 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 1037117  | 69.51 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.89 | 244  | 643676   | 51.53 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 9) Benzaldehyde             | 6.33  | 77   | 19930    | 2.650 | ng    | 91       |
| 10) Phenol                  | 6.45  | 94   | 65037    | 4.708 | ng    | 92       |
| 50) Dimethylphthalate       | 9.54  | 163  | 85635    | 5.159 | ng    | 96       |
| 71) Phenanthrene            | 11.33 | 178  | 33986    | 2.160 | ng    | 92       |
| 78) Pyrene                  | 12.75 | 202  | 45077    | 2.180 | ng    | 95       |

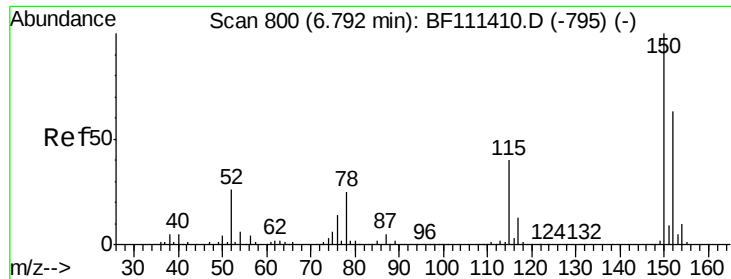
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\  
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Quant Time: Dec 18 04:48:54 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 14 13:26:17 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1218-01

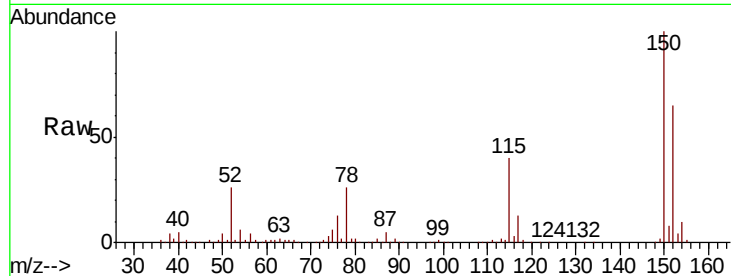
Tot Ion:152 Resp: 155144

Ion Ratio Lower Upper

152 100

150 154.9 126.6 189.8

115 62.7 50.7 76.1

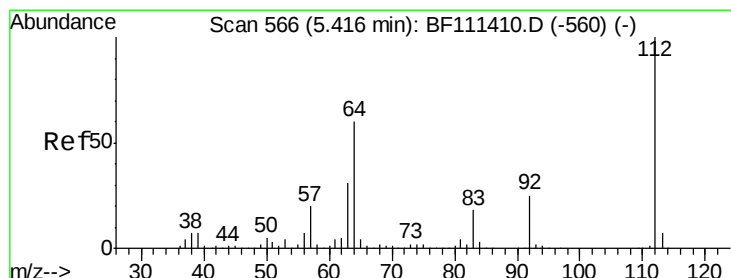
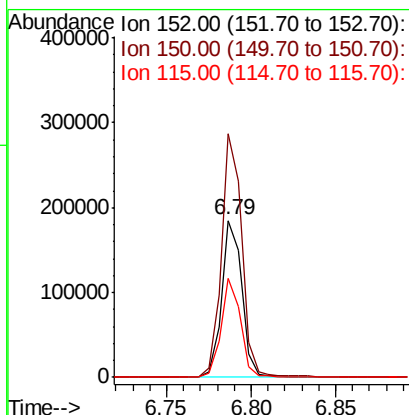
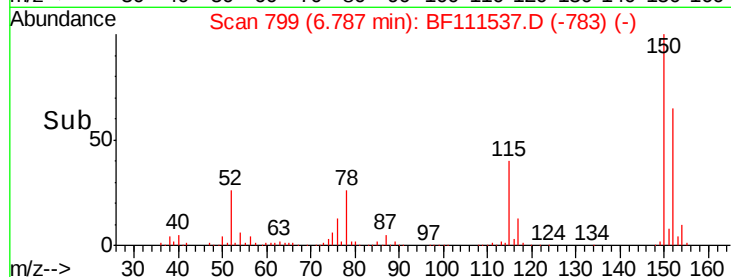


Abundance

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: 91.552 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

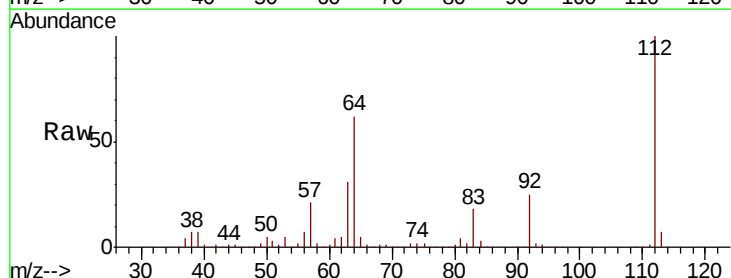
Tgt Ion:112 Resp: 853563

Ion Ratio Lower Upper

112 100

64 61.8 51.8 77.6

63 31.1 26.8 40.2

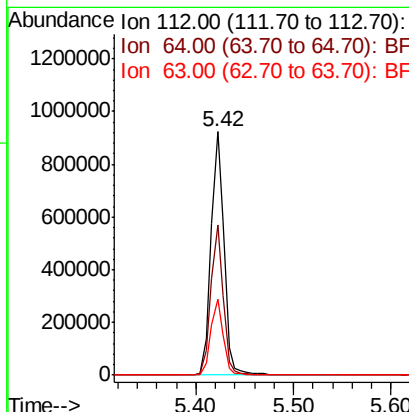
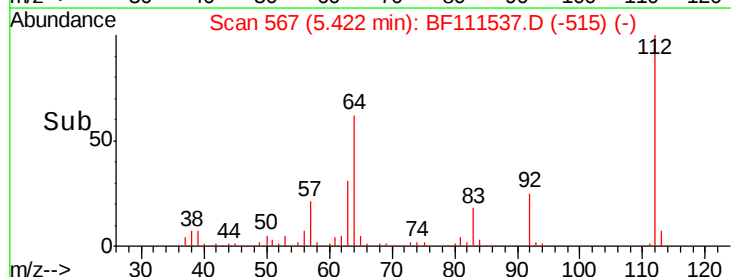


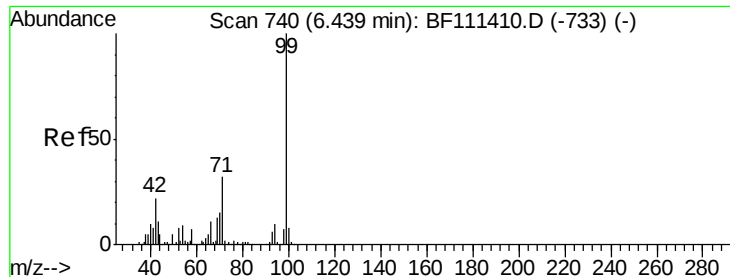
Abundance

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: 86.618 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1218-01

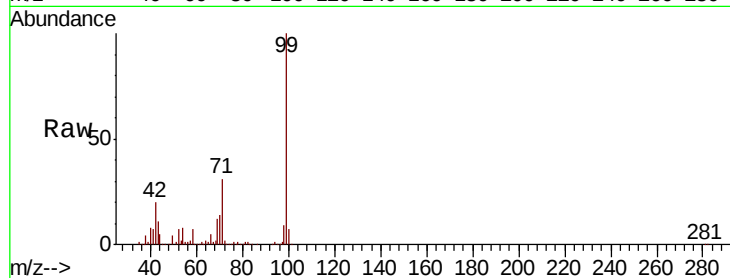
Tot Ion: 99 Resp: 1074194

Ion Ratio Lower Upper

99 100

42 19.5 17.4 26.0

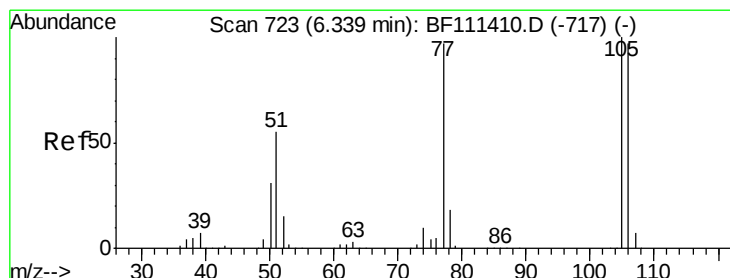
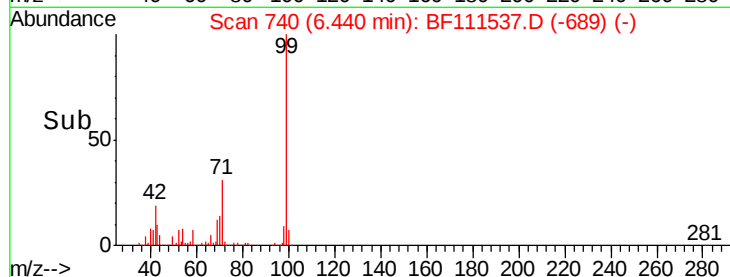
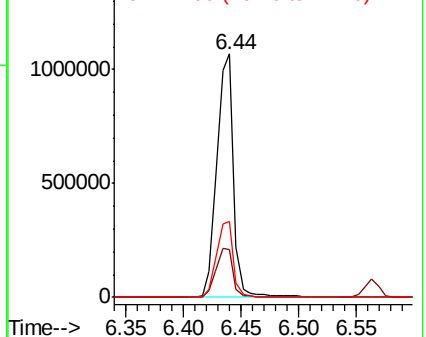
71 31.3 26.1 39.1



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



#9

Benzaldehyde

Concen: 2.650 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

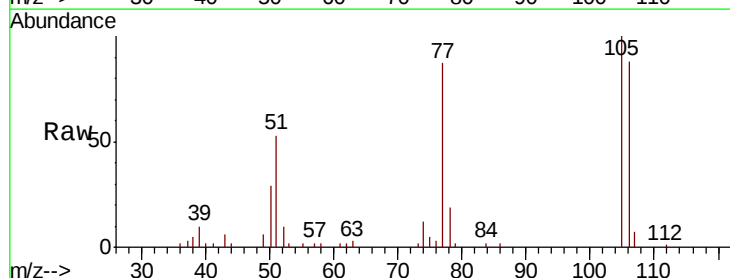
Tgt Ion: 77 Resp: 19930

Ion Ratio Lower Upper

77 100

105 115.3 81.4 121.4

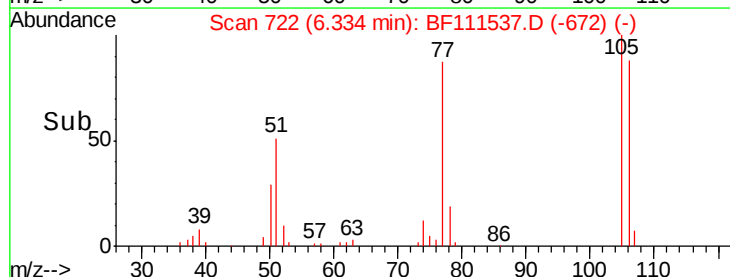
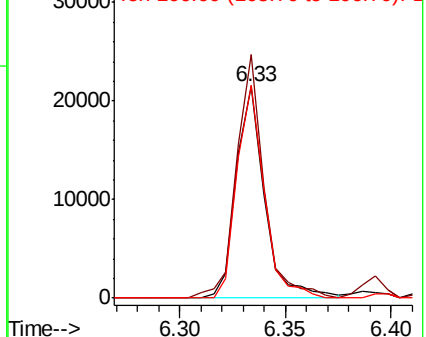
106 101.1 77.9 117.9

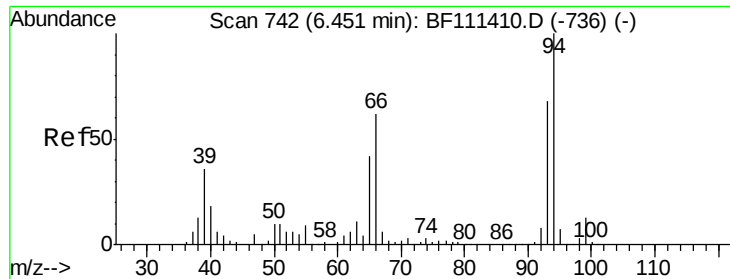


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.708 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1218-01

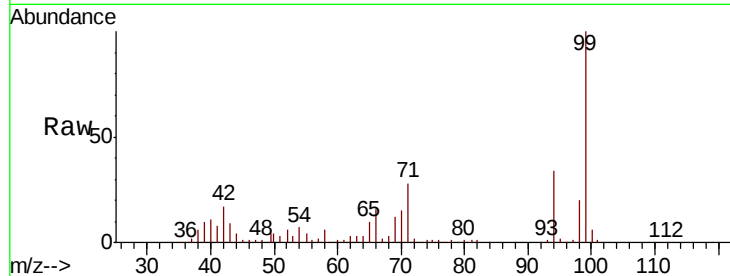
Tot Ion: 94 Resp: 65037

Ion Ratio Lower Upper

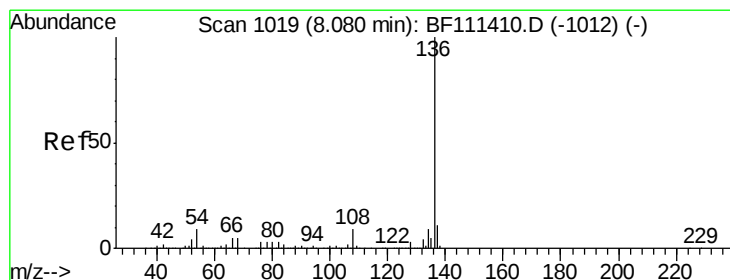
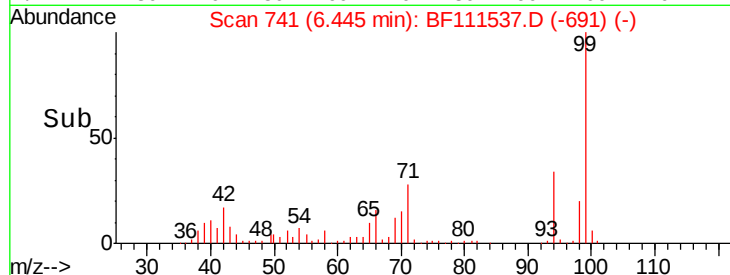
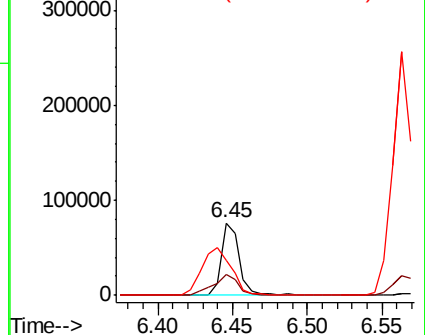
94 100

65 29.4 11.7 51.7

66 47.5 21.0 61.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Tgt Ion: 136 Resp: 582813

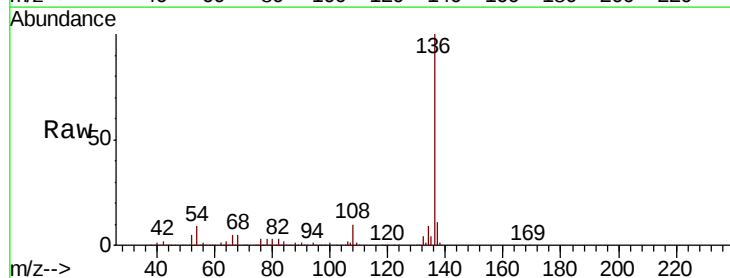
Ion Ratio Lower Upper

136 100

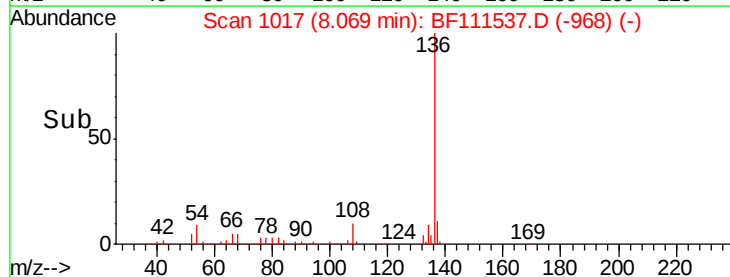
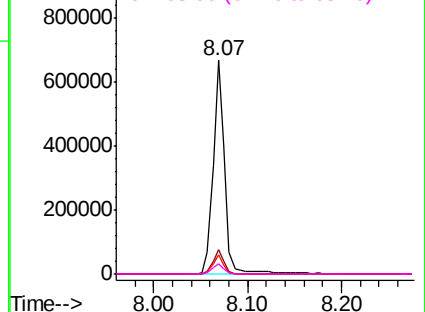
137 11.3 9.1 13.7

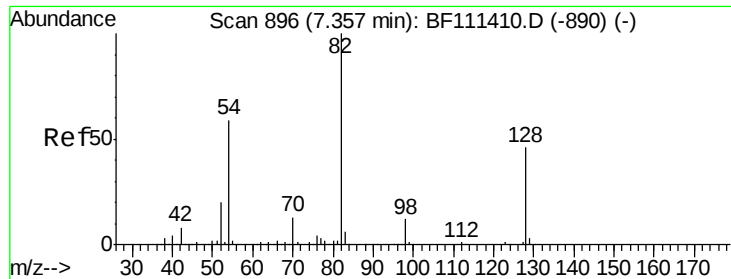
54 8.9 7.7 11.5

68 5.0 4.9 7.3



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

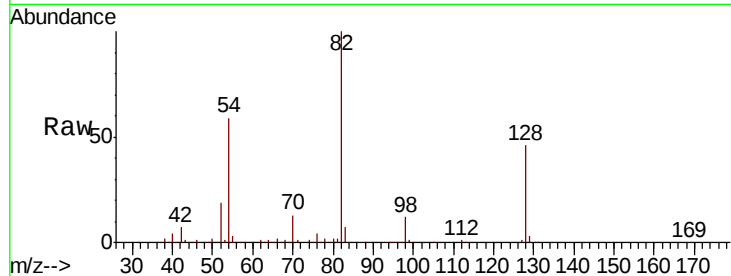




#23  
 Nitrobenzene-d5  
 Concen: 65.903 ng  
 RT: 7.35 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF111537.D  
 Acq: 17 Dec 2018 14:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1218-01

| Tot Ion   | 82    | Resp  | 645000 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.2  | 37.4  | 56.2   |
| 54        | 59.1  | 47.6  | 71.4   |

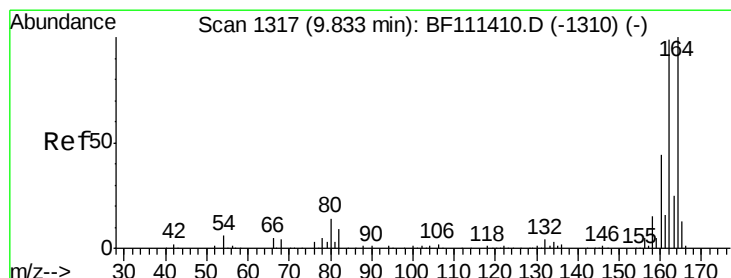
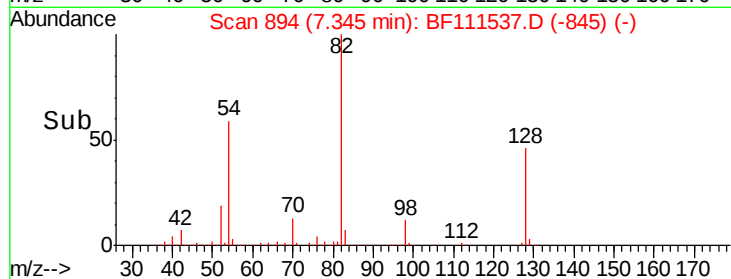
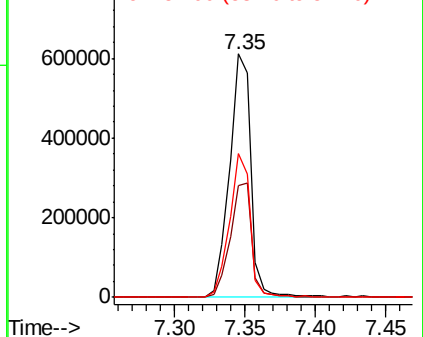


Abundance

Ion 82.00 (81.70 to 82.70): BF1

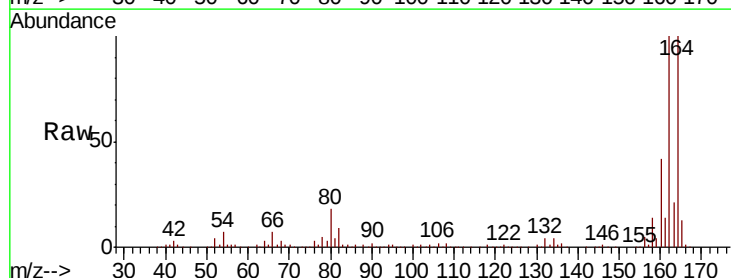
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: BF111537.D  
 Acq: 17 Dec 2018 14:11

| Tgt Ion   | 164   | Resp  | 230477 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.1 | 81.4  | 122.0  |
| 160       | 42.1  | 35.7  | 53.5   |

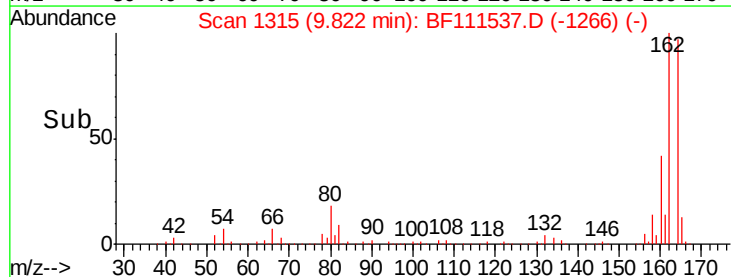
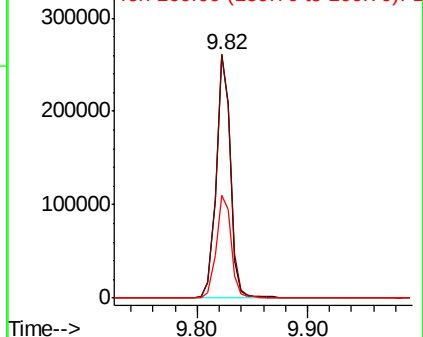


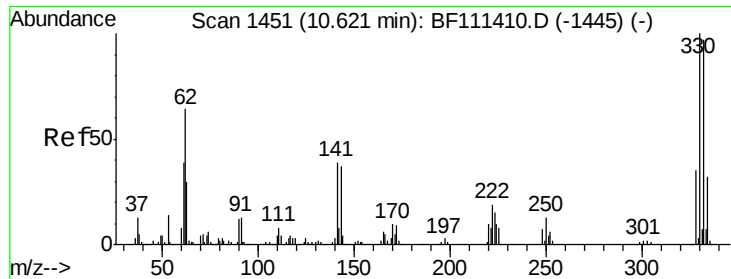
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

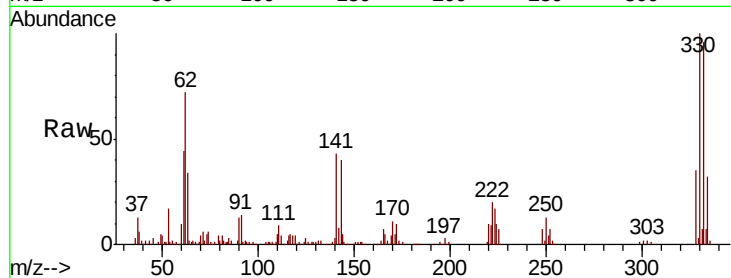




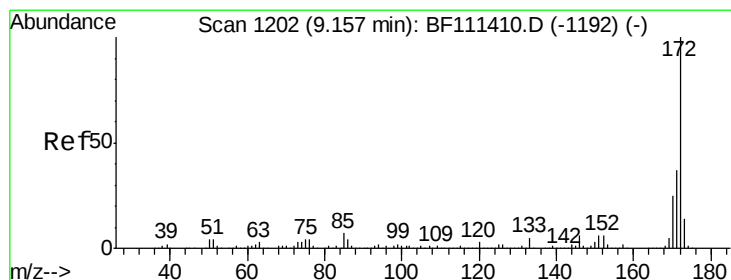
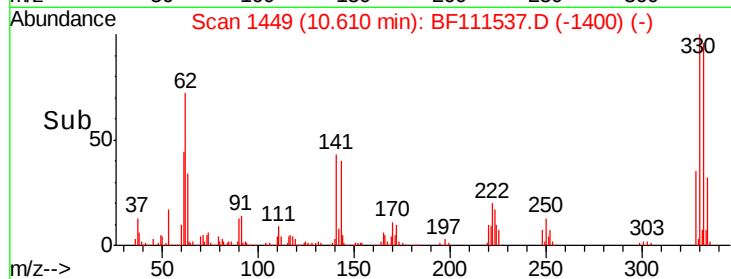
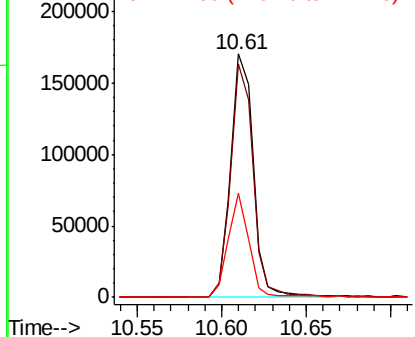
#42  
 2,4,6-Tribromophenol  
 Concen: 76.975 ng  
 RT: 10.61 min Scan# 1449  
 Delta R.T. -0.01 min  
 Lab File: BF111537.D  
 Acq: 17 Dec 2018 14:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1218-01

Tot Ion:330 Resp: 158922  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.0 114.0  
 141 38.7 31.0 46.6

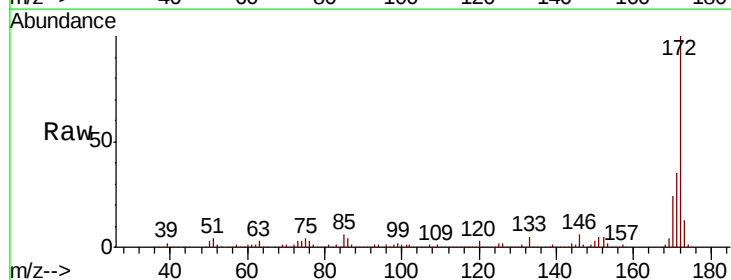


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

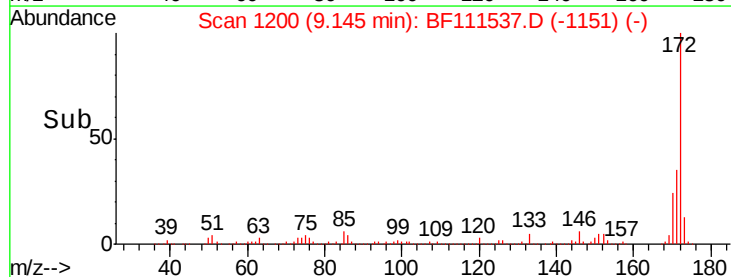
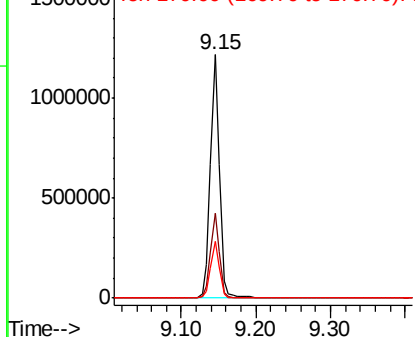


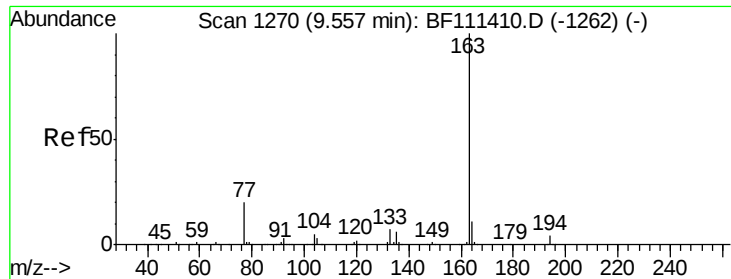
#45  
 2-Fluorobiphenyl  
 Concen: 69.507 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF111537.D  
 Acq: 17 Dec 2018 14:11

Tgt Ion:172 Resp: 1037117  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 33.0 49.4  
 170 23.5 22.3 33.5



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

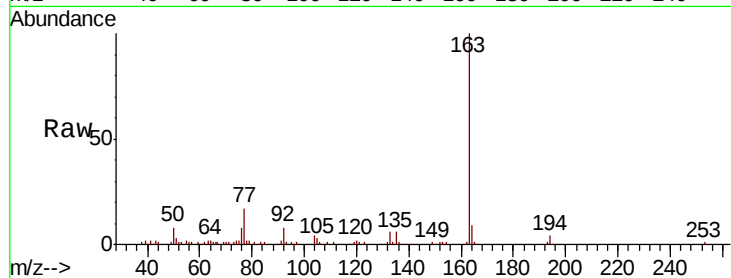




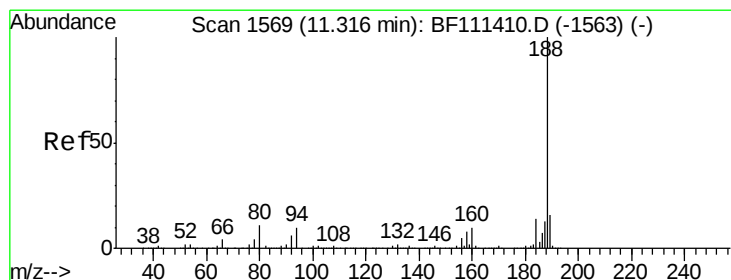
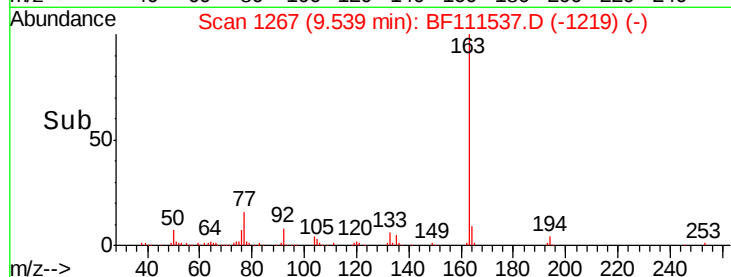
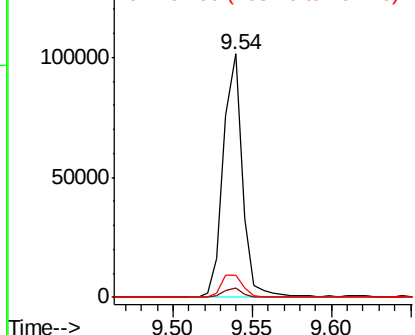
#50  
Dimethylphthalate  
Concen: 5.159 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.02 min  
Lab File: BF111537.D  
Acq: 17 Dec 2018 14:11

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS006-1218-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.0   | 4.6   |
| 164     | 9.0   | 8.9   | 13.3  |

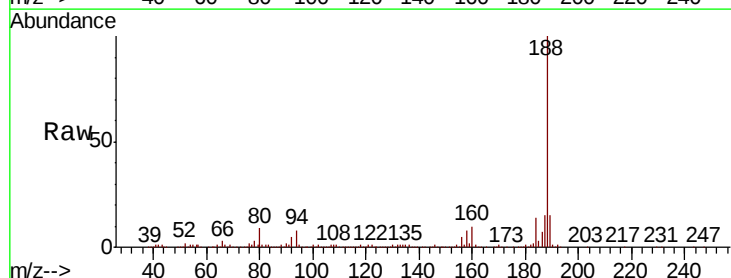


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

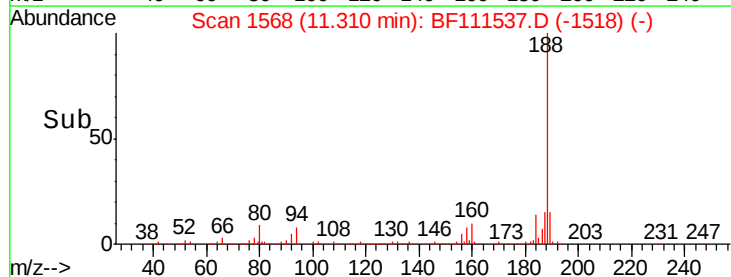
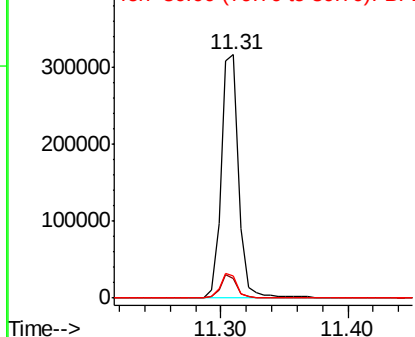


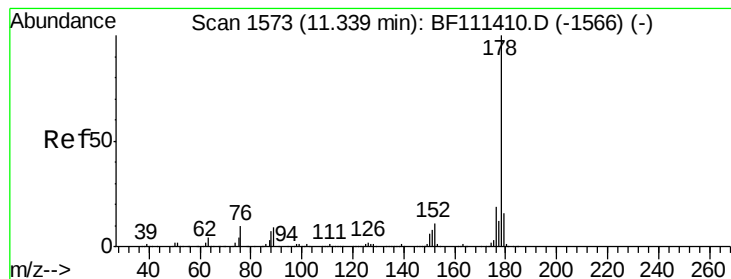
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF111537.D  
Acq: 17 Dec 2018 14:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 9.6   | 14.4# |
| 80      | 8.9   | 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





#71

Phenanthrene

Concen: 2.160 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1218-01

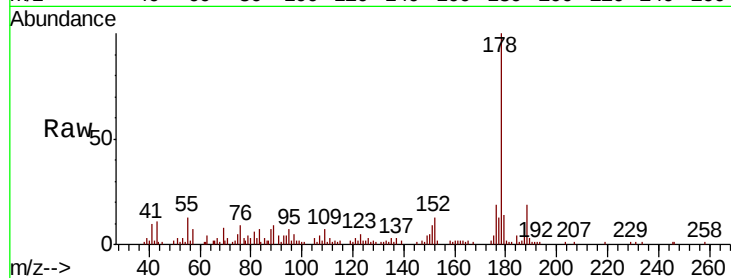
Tot Ion:178 Resp: 33986

Ion Ratio Lower Upper

178 100

176 18.8 18.1 27.1

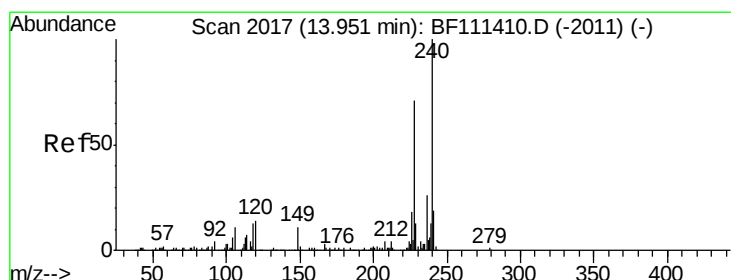
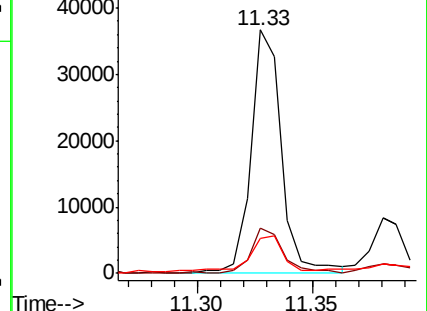
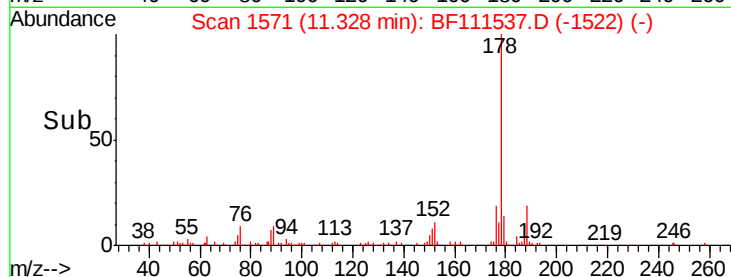
179 14.4 14.0 21.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

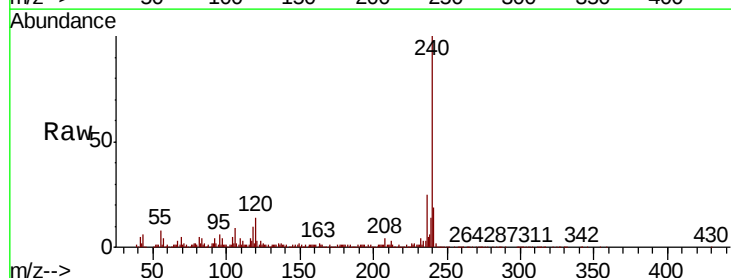
Tgt Ion:240 Resp: 293327

Ion Ratio Lower Upper

240 100

120 14.4 12.2 18.2

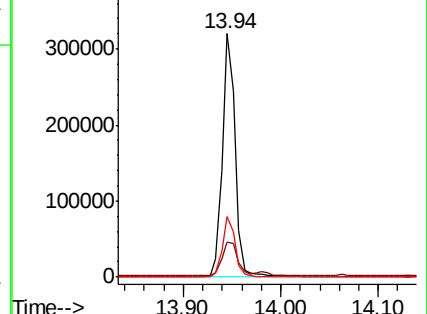
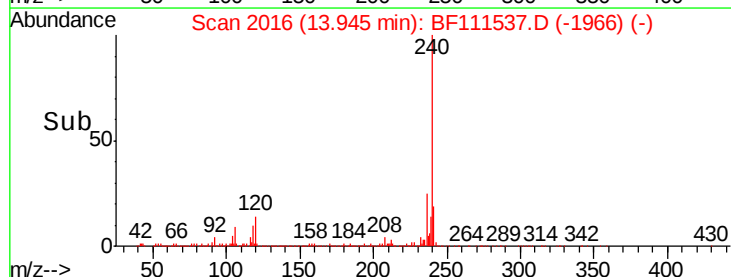
236 25.0 20.2 30.2

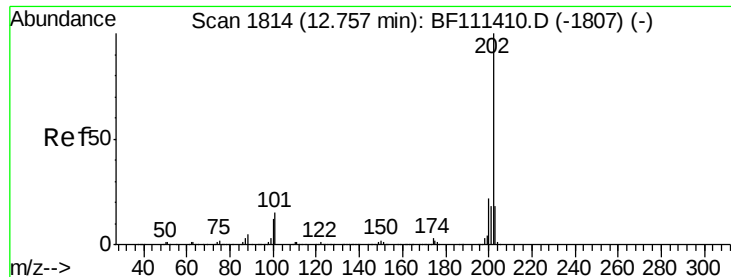


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.180 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

Instrument :

BNA\_F

ClientSampleId :

P001-SS006-1218-01

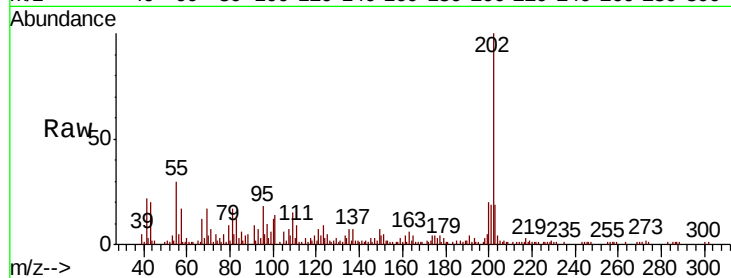
Tot Ion:202 Resp: 45077

Ion Ratio Lower Upper

202 100

200 19.9 19.0 28.4

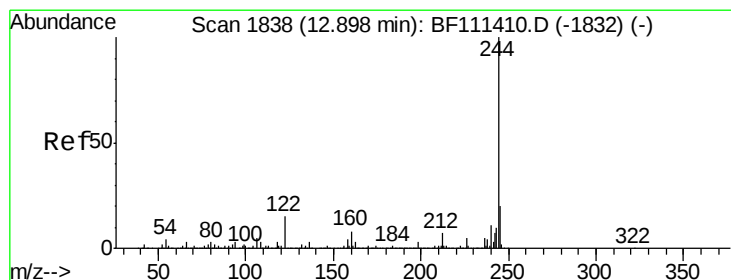
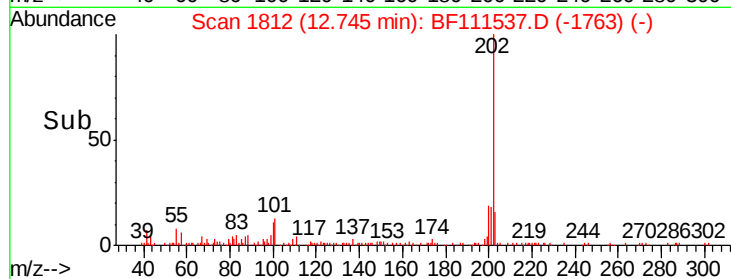
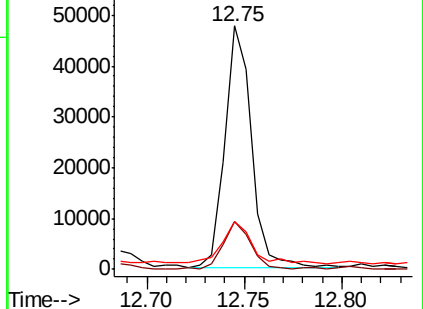
203 19.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 51.530 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111537.D

Acq: 17 Dec 2018 14:11

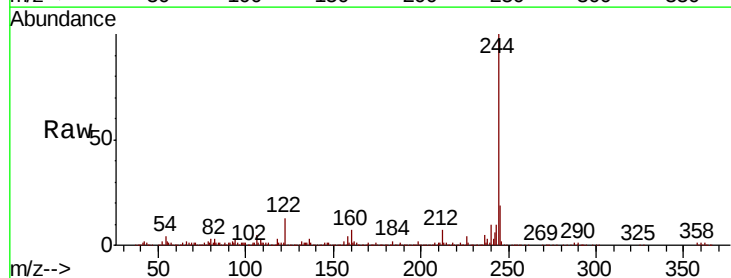
Tgt Ion:244 Resp: 643676

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

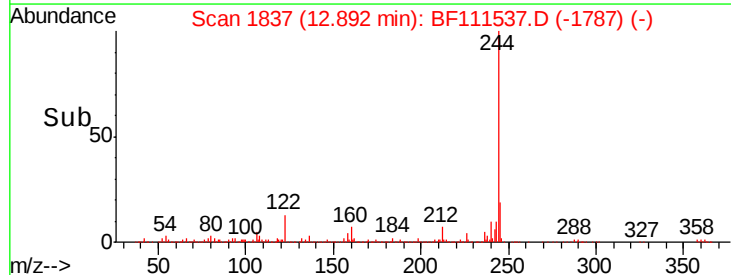
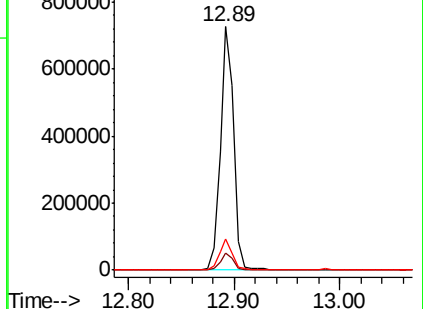
122 12.9 13.1 19.7#

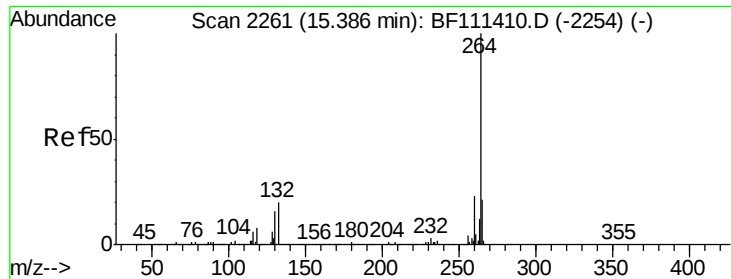


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.39 min Scan# 2262  
 Delta R.T. 0.01 min  
 Lab File: BF111537.D  
 Acq: 17 Dec 2018 14:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS006-1218-01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 240711  | 264 | 100   |       |       |
|         | 260 | 24.0  | 18.3  | 27.5  |
|         | 265 | 23.2  | 17.7  | 26.5  |

