

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\  
 Data File : BF106622.D  
 Acq On : 20 Jun 2018 16:29  
 Operator : JU/SJ  
 Sample : PB110380BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110380BL

Quant Time: Jun 21 01:42:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 19 14:32:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 92218    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 359422   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 189950   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 410719   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 400426   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.69 | 264  | 325626   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 575747   | 105.72 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 716909   | 105.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 485291   | 75.04  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 270937   | 123.07 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 899562   | 79.14  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 1263203  | 76.41  | ng    | 0.00     |

Target Compounds Qvalue

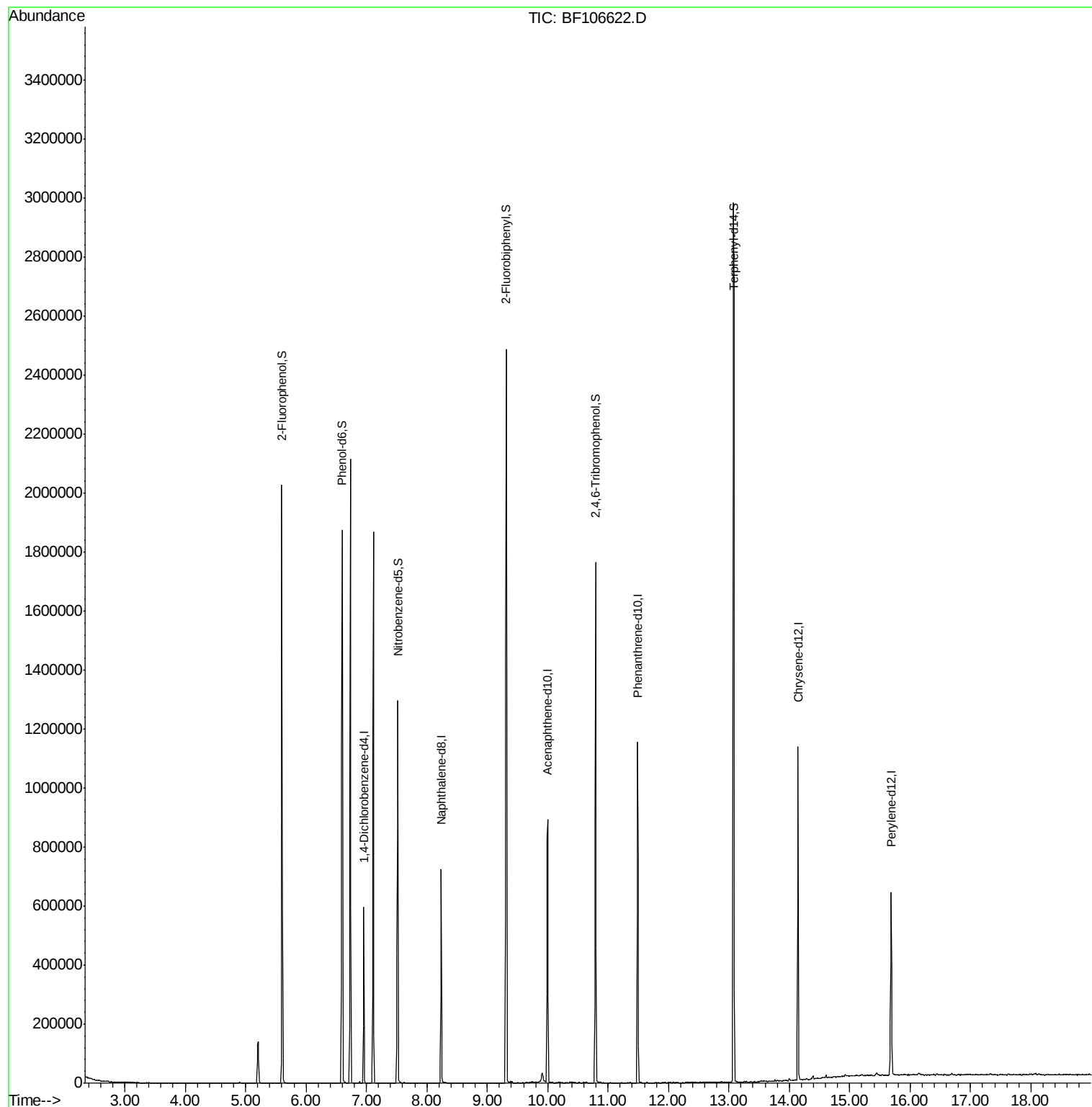
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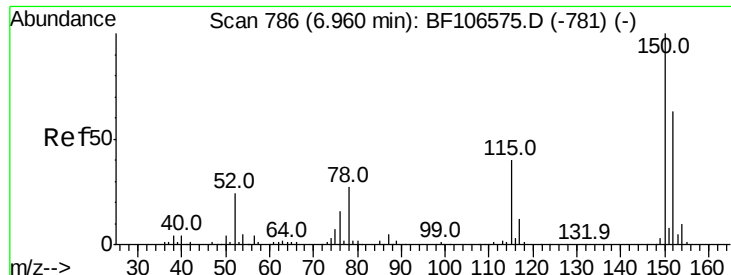
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 19 14:32:09 2018  
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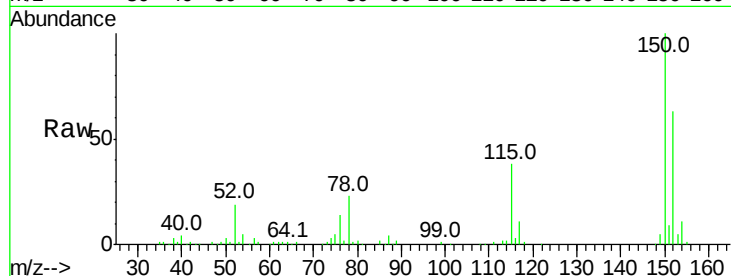


#1

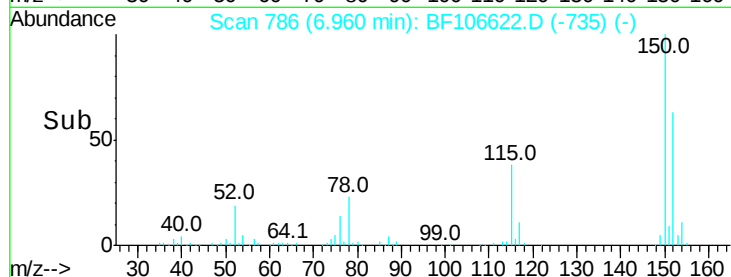
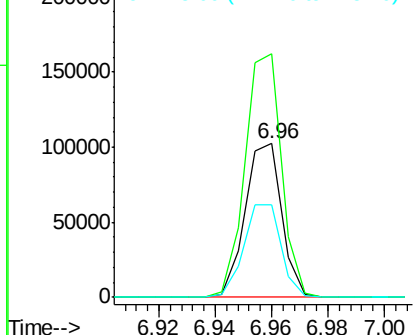
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106622.D  
Acq: 20 Jun 2018 16:29

Instrument :  
BNA\_F  
ClientSampled :  
PB110380BL

Tot Ion:152 Resp: 92218  
Ion Ratio Lower Upper  
152 100  
150 158.6 124.6 186.8  
115 60.5 50.1 75.1



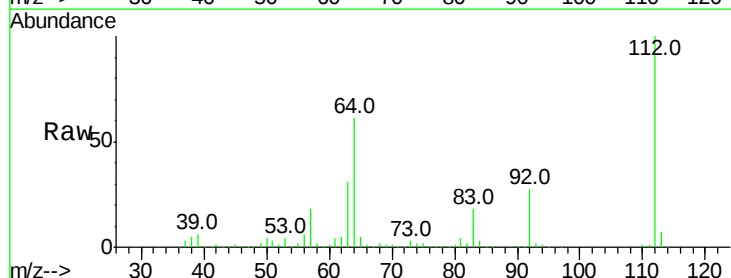
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



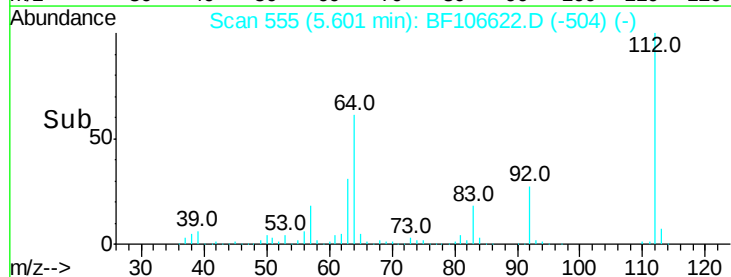
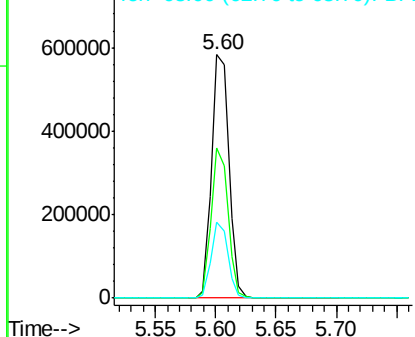
#5

2-Fluorophenol  
Concen: 105.719 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF106622.D  
Acq: 20 Jun 2018 16:29

Tgt Ion:112 Resp: 575747  
Ion Ratio Lower Upper  
112 100  
64 61.5 47.9 71.9  
63 31.0 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: 105.412 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106622.D

Acq: 20 Jun 2018 16:29

Instrument :

BNA\_F

ClientSampleId :

PB110380BL

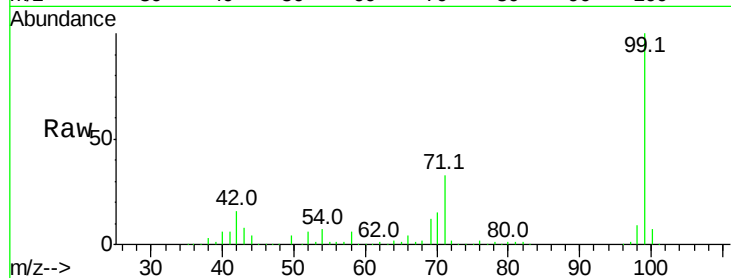
Tot Ion: 99 Resp: 716909

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

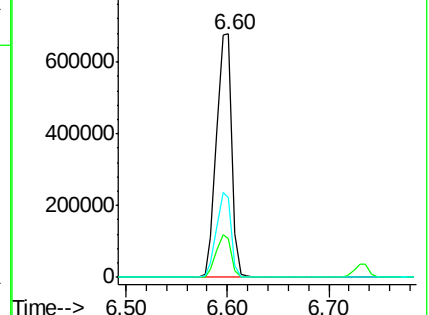
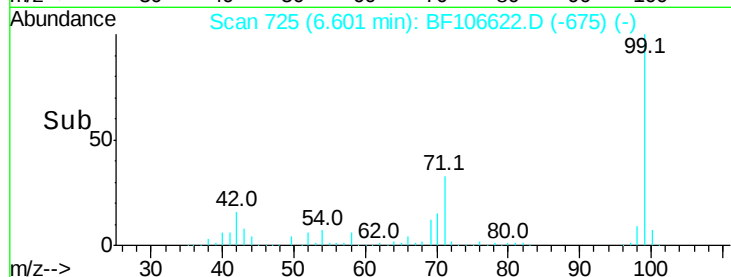
71 32.9 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106622.D

Acq: 20 Jun 2018 16:29

Tgt Ion: 136 Resp: 359422

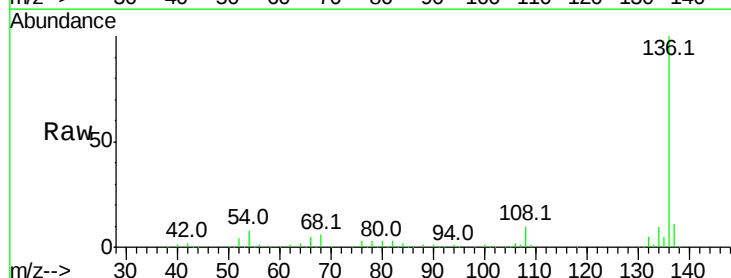
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 6.6 9.8

68 6.2 5.0 7.4

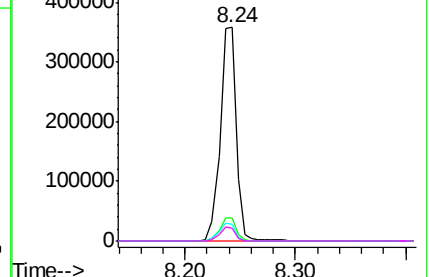
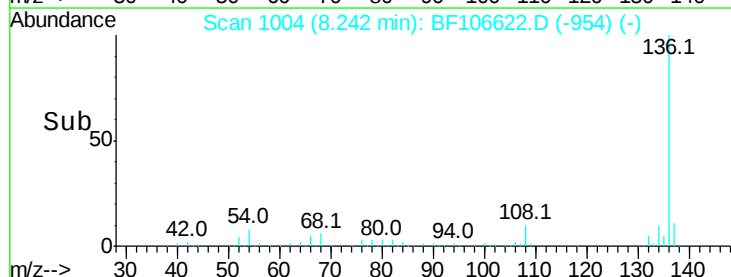


Abundance Ion 136.00 (135.70 to 136.70): E

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

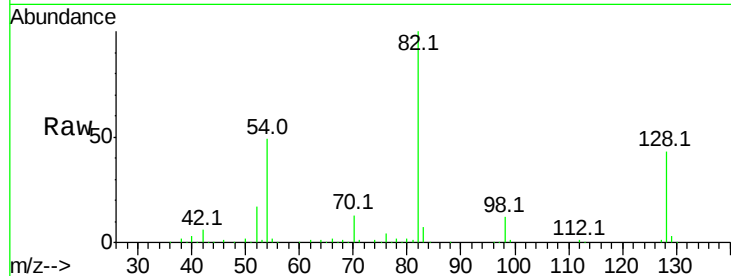




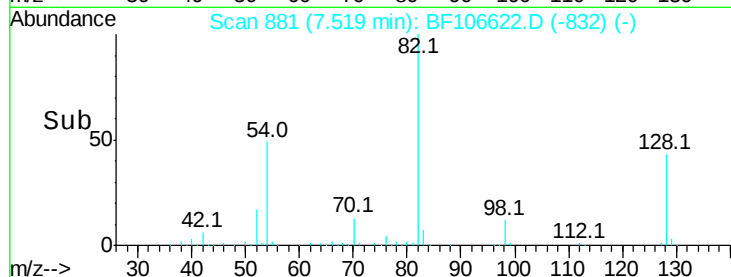
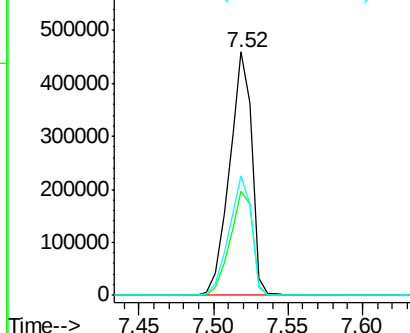
#23  
 Nitrobenzene-d5  
 Concen: 75.035 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110380BL

| Tot Ion   | 82    | Resp  | 485291 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.6  | 36.1  | 54.1   |
| 54        | 49.1  | 41.4  | 62.2   |

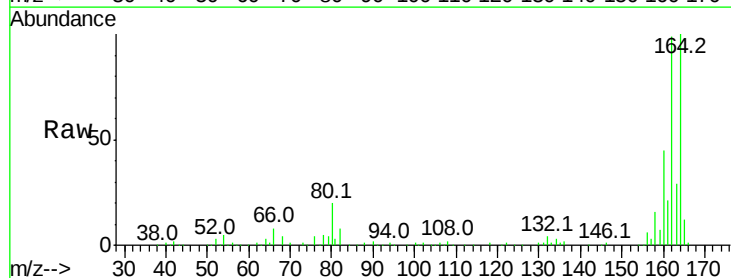


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

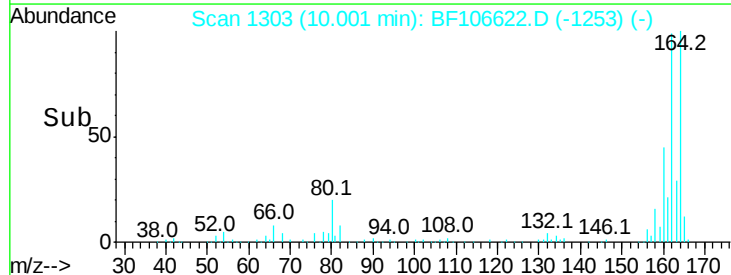
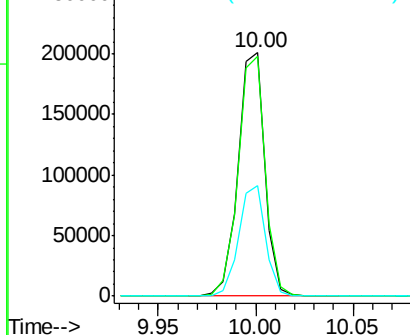


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

| Tgt Ion   | 164   | Resp  | 189950 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.7  | 86.1  | 129.1  |
| 160       | 45.2  | 38.3  | 57.5   |



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

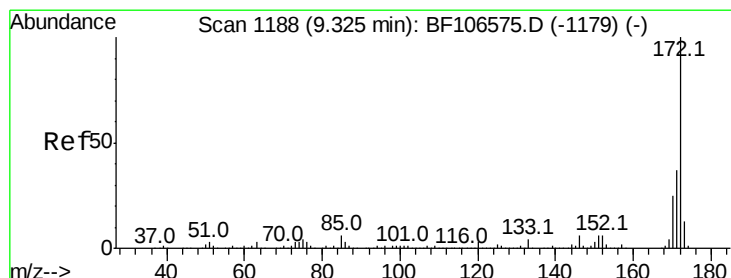
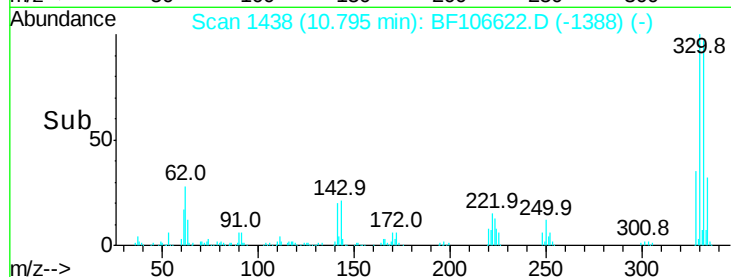
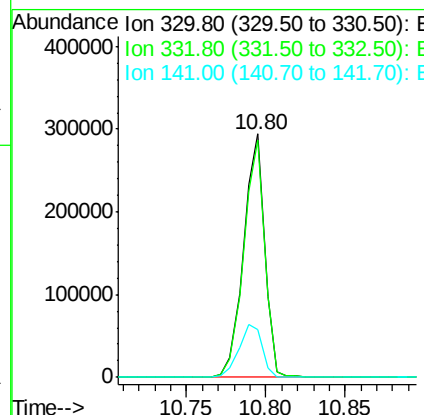
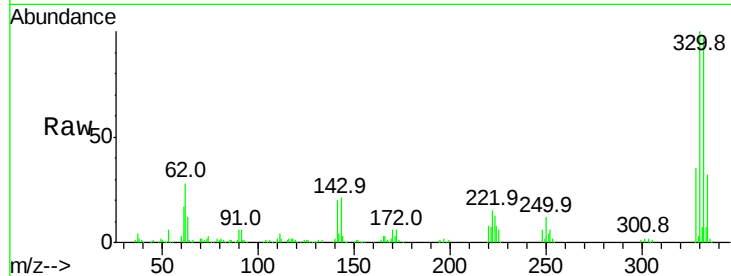




#41  
 2,4,6-Tribromophenol  
 Concen: 123.065 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

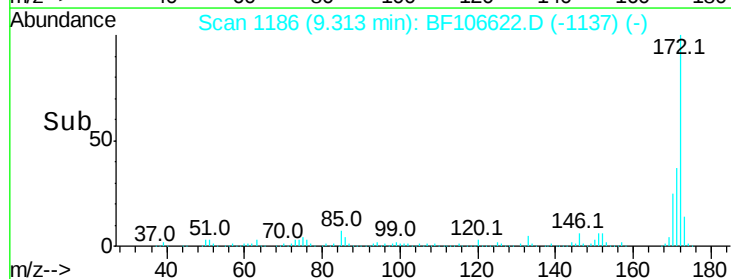
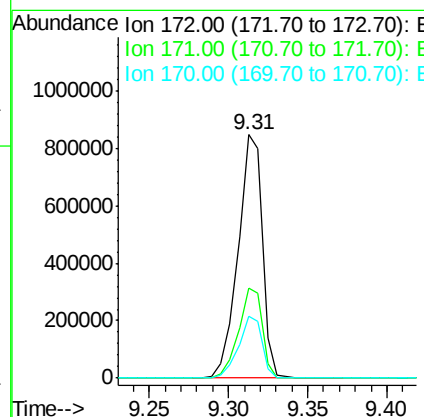
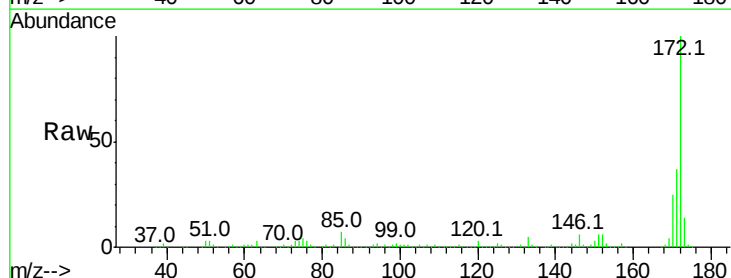
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110380BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 24.1  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 79.143 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 29.7  | 44.5  |
| 170     | 25.3  | 19.6  | 29.4  |

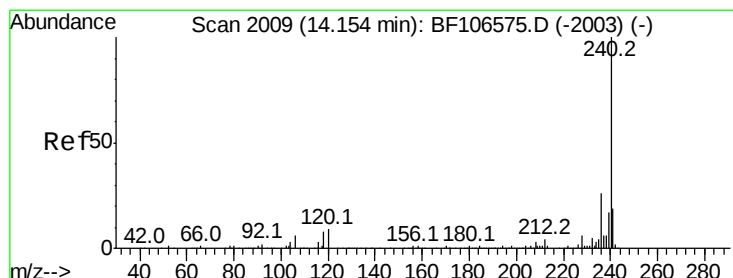
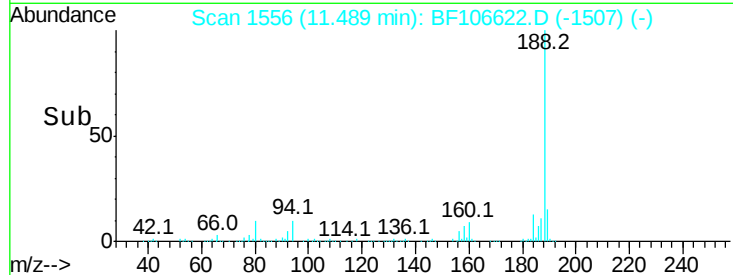
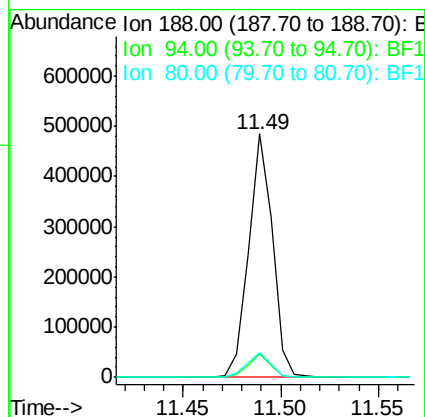
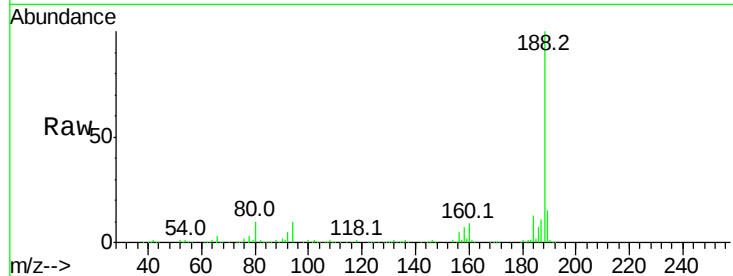




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106622.D  
Acq: 20 Jun 2018 16:29

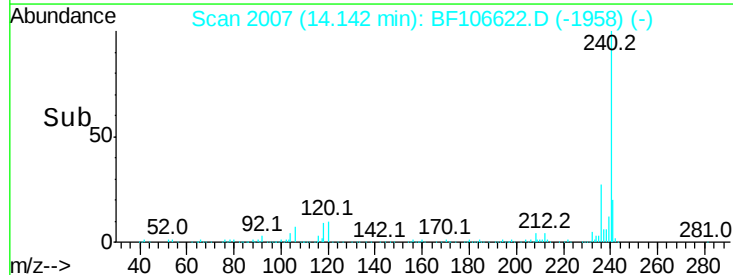
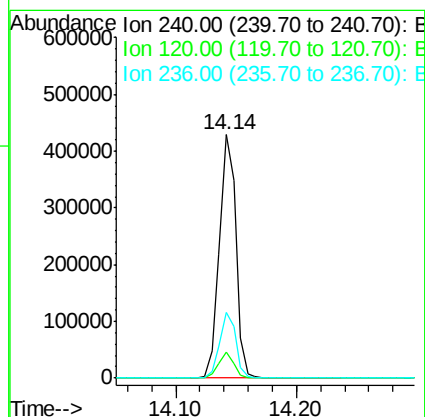
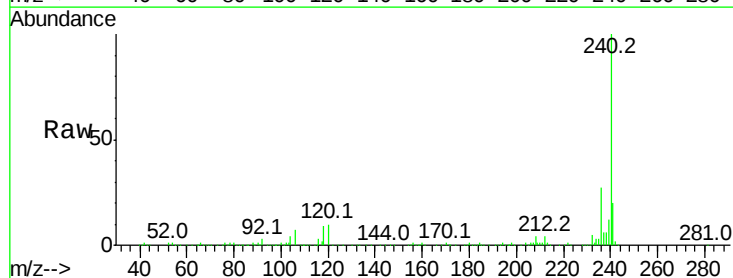
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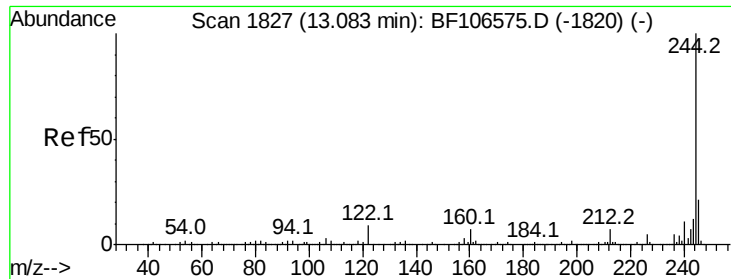
Tot Ion:188 Resp: 410719  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.5 12.7  
80 10.0 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF106622.D  
Acq: 20 Jun 2018 16:29

Tgt Ion:240 Resp: 400426  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.5 14.3  
236 26.8 20.7 31.1

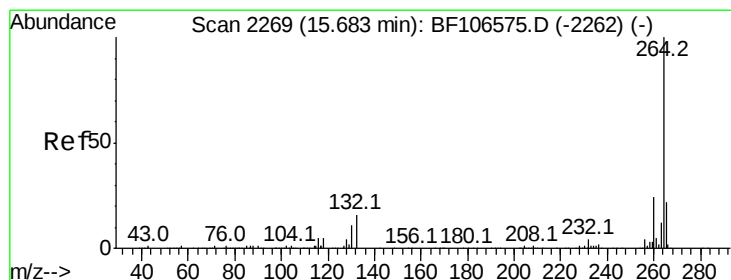
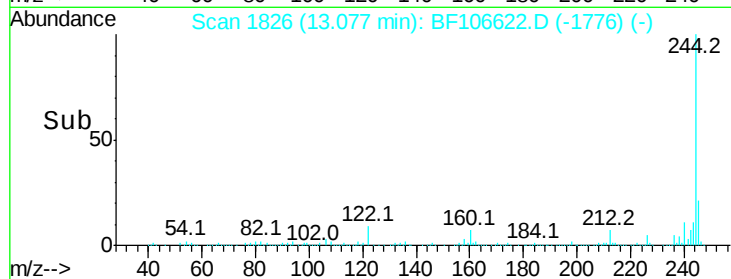
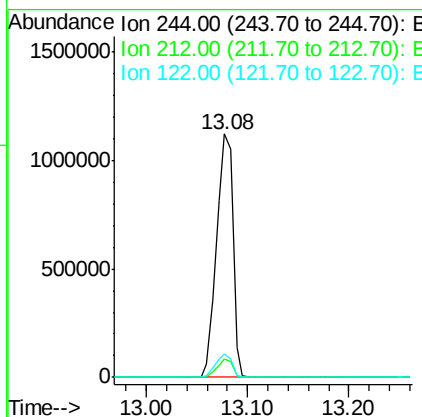
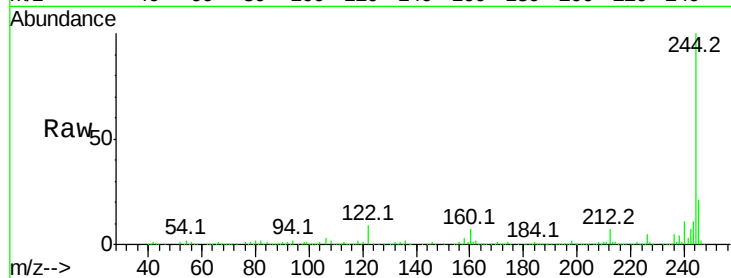




#78  
 Terphenyl-d14  
 Concen: 76.415 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB110380BL

Tot Ion:244 Resp: 1263203  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.4 8.0  
 122 9.4 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. 0.01 min  
 Lab File: BF106622.D  
 Acq: 20 Jun 2018 16:29

Tgt Ion:264 Resp: 325626  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 21.6 17.5 26.3

