

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
 Data File : BF106728.D  
 Acq On : 23 Jun 2018 00:07  
 Operator : JU/SJ  
 Sample : J3622-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

Quant Time: Jun 23 01:25:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 22 11:34:03 2018  
 Response via : Initial Calibration

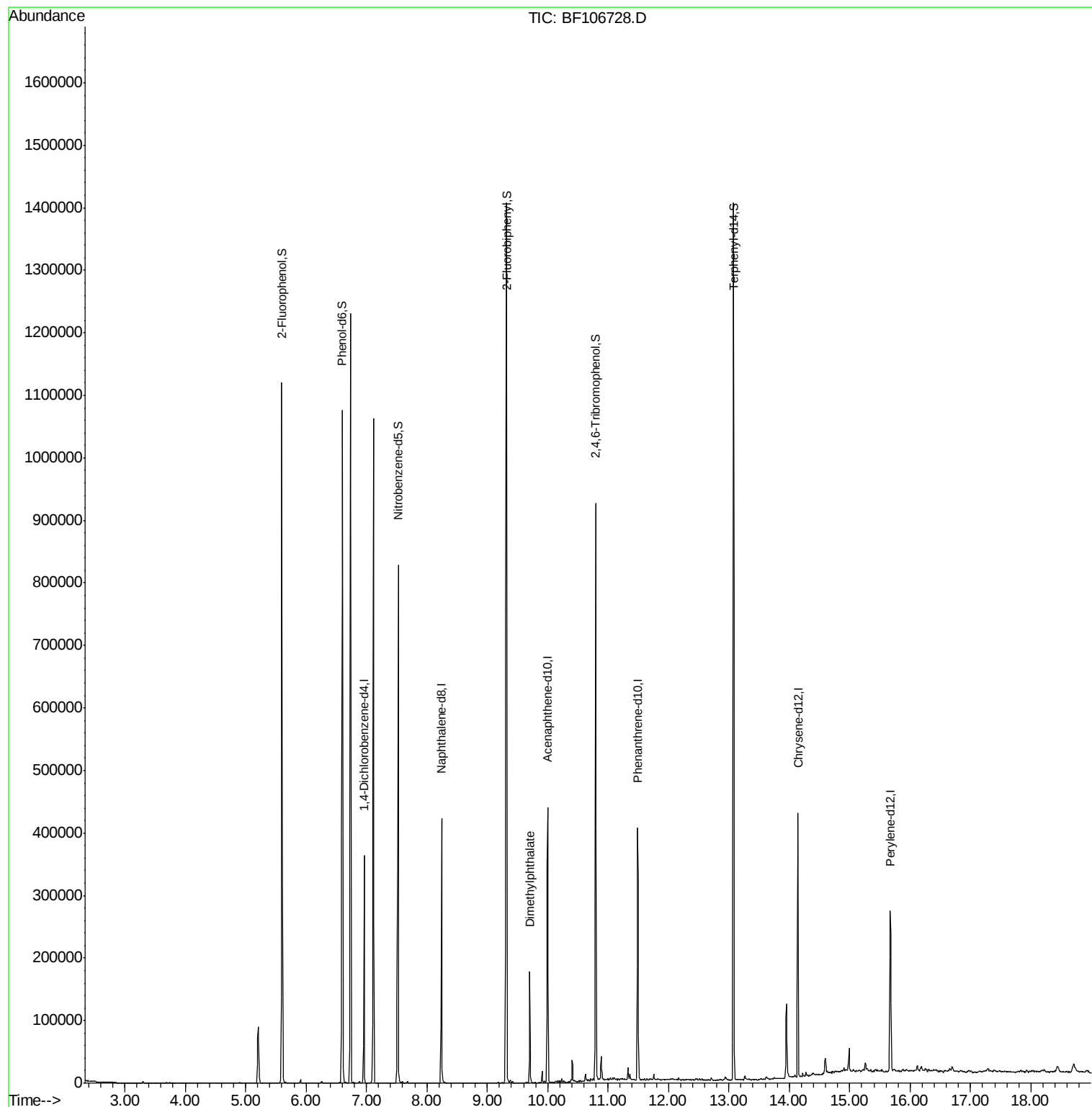
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 51026    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 188979   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 90440    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 156258   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 148588   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.67 | 264  | 130702   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 361794   | 120.06 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 459008   | 121.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 297969   | 87.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 137654   | 131.32 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 522940   | 100.57 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 525712   | 85.70  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.71  | 163  | 74271    | 10.949 | ng    | 99       |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
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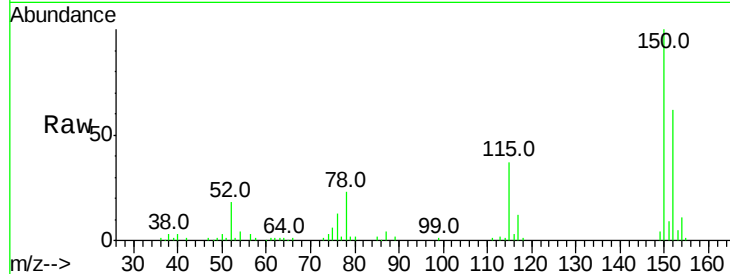


#1

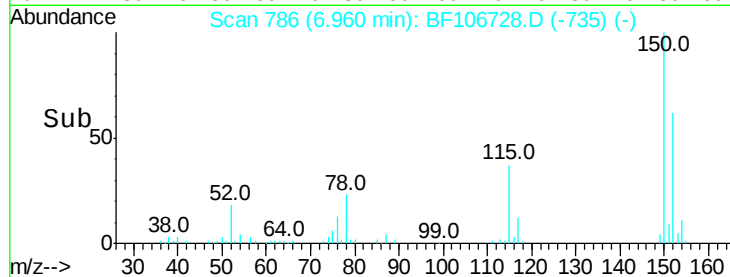
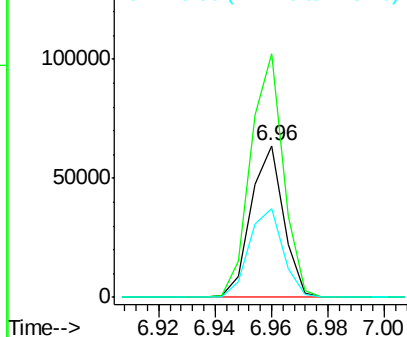
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

Tot Ion:152 Resp: 51026  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.6 186.8  
115 58.6 50.1 75.1



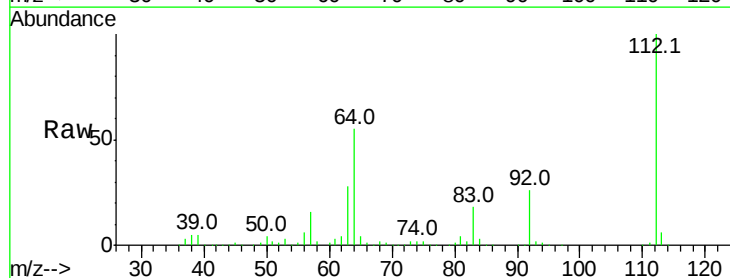
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



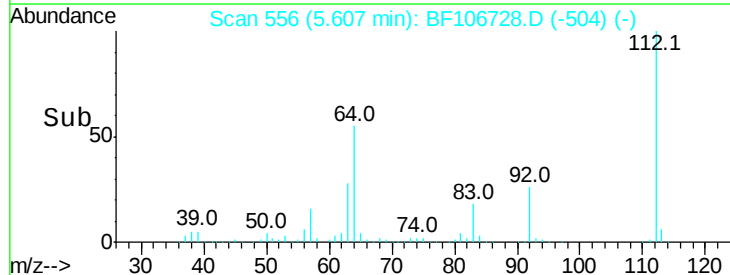
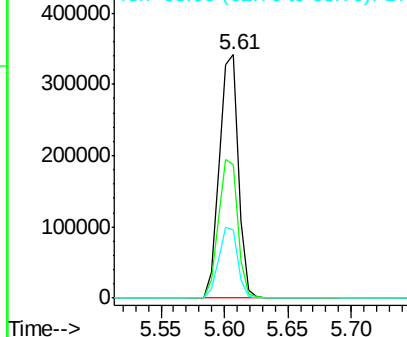
#5

2-Fluorophenol  
Concen: 120.063 ng  
RT: 5.61 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Tgt Ion:112 Resp: 361794  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.9 71.9  
63 27.8 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: 121.975 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

Instrument :

BNA\_F

ClientSampled :

SP-A

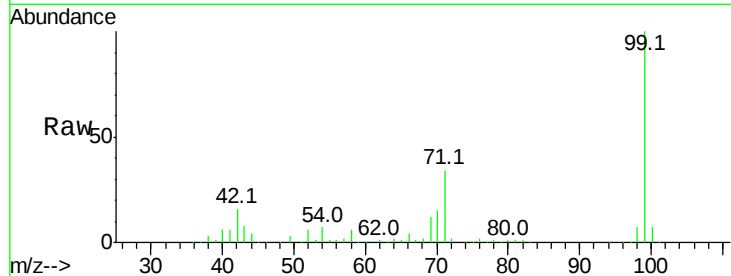
Tot Ion: 99 Resp: 459008

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

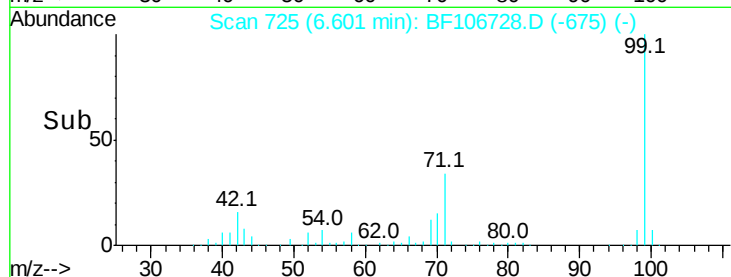
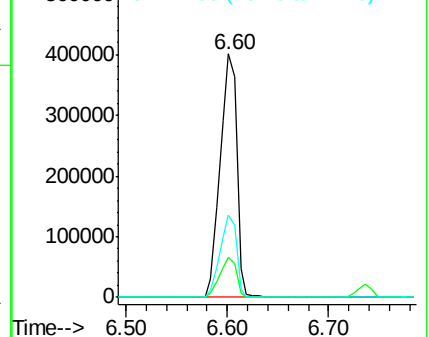
71 33.8 25.4 38.0



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: BF106728.D

Acq: 23 Jun 2018 00:07

Tgt Ion: 136 Resp: 188979

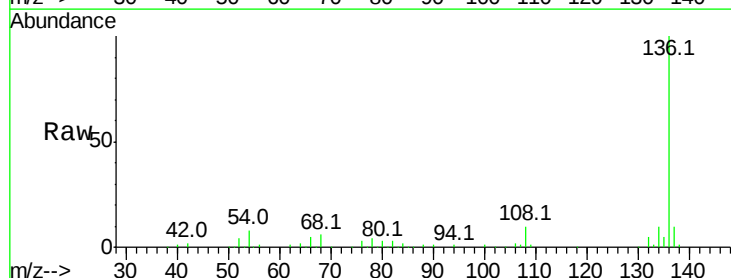
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.6 6.6 9.8

68 6.3 5.0 7.4

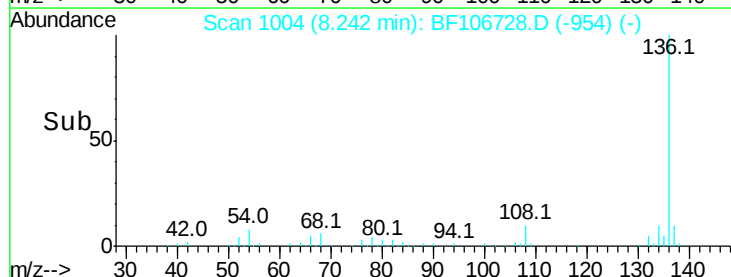
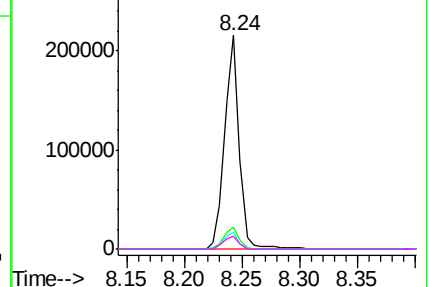


Abundance Ion 136.00 (135.70 to 136.70): E

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

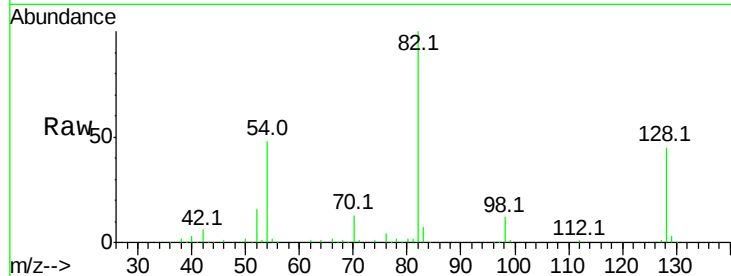




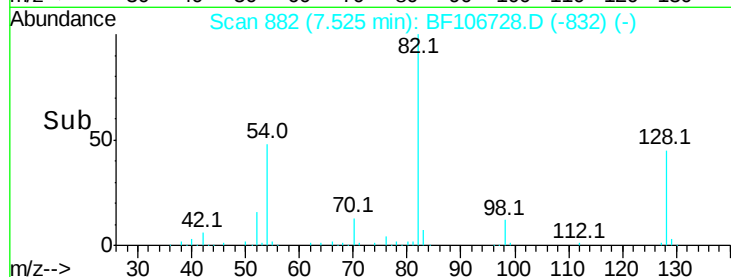
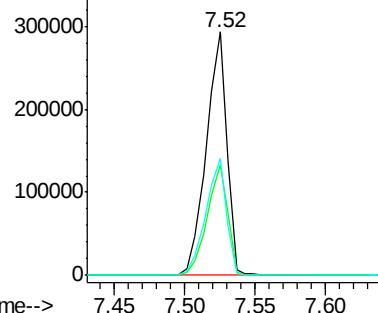
#23  
Nitrobenzene-d5  
Concen: 87.625 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

| Tot Ion   | 82    | Resp  | 297969 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.2  | 36.1  | 54.1   |
| 54        | 48.2  | 41.4  | 62.2   |

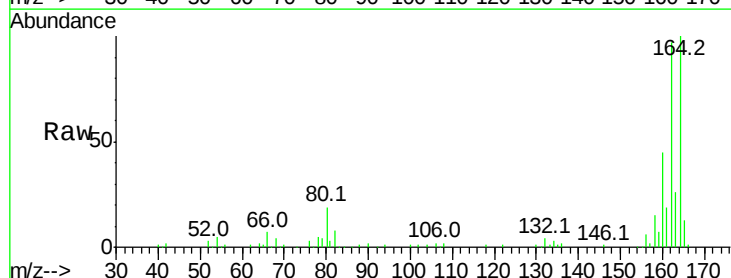


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

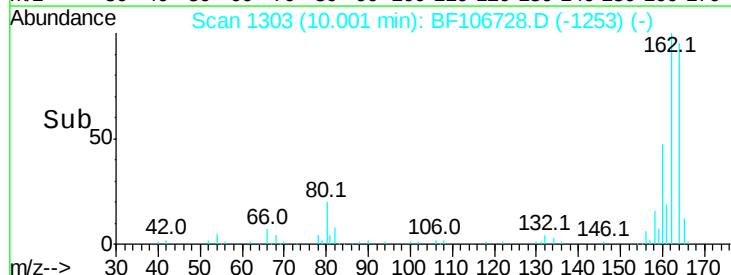
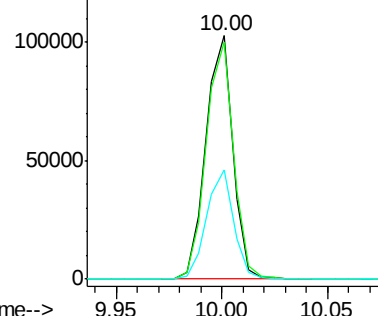


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

| Tgt Ion   | 164   | Resp  | 90440 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 97.3  | 86.1  | 129.1 |
| 160       | 45.0  | 38.3  | 57.5  |



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

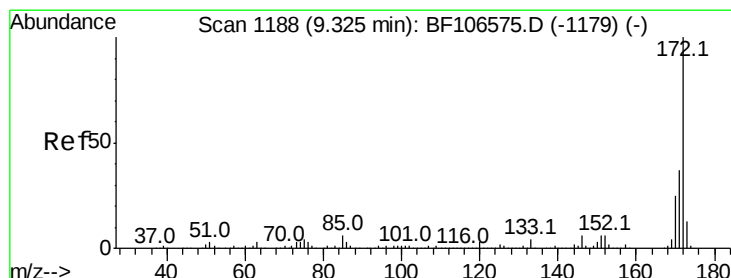
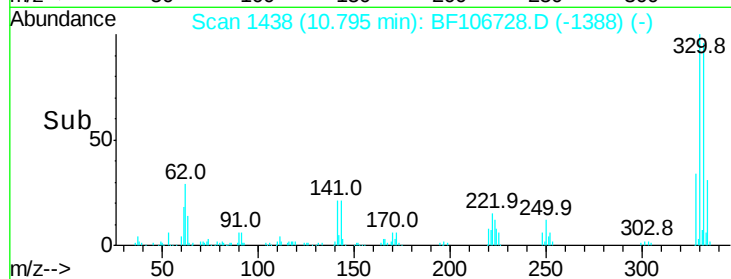
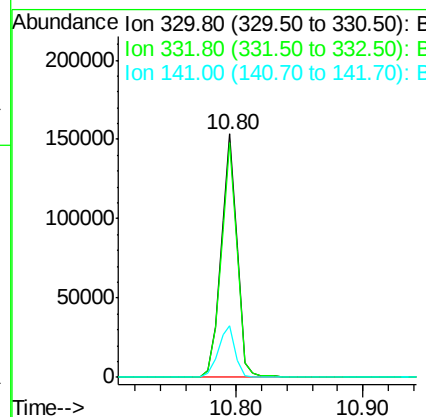
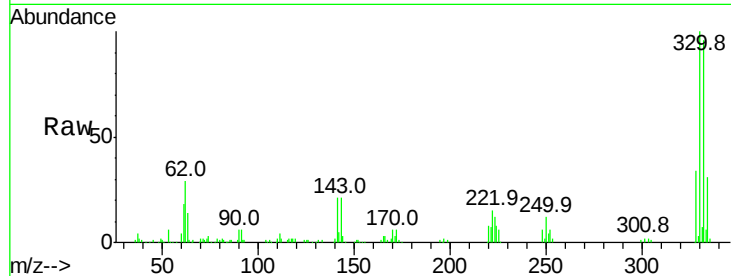




#41  
 2,4,6-Tribromophenol  
 Concen: 131.321 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

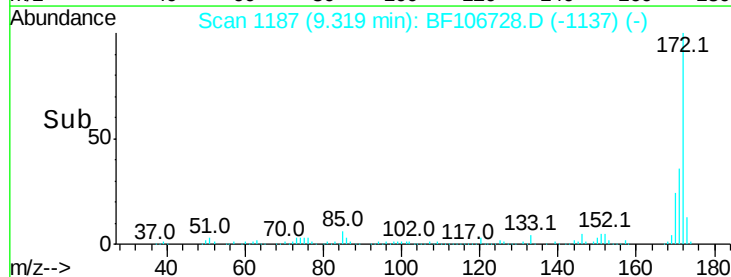
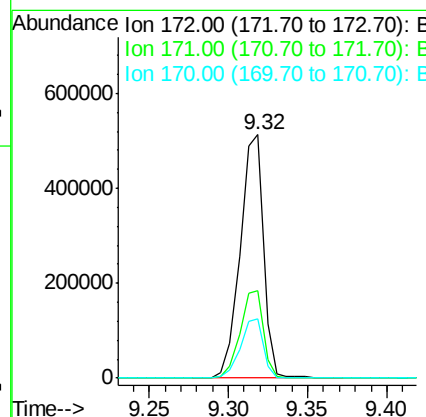
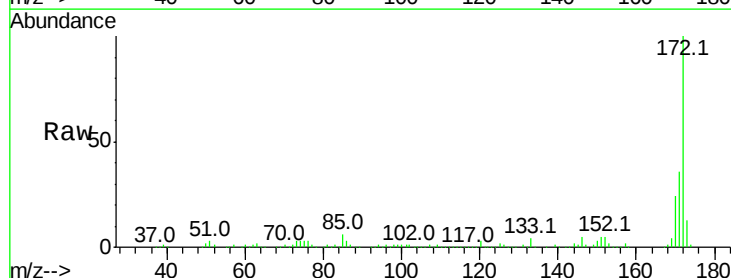
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 22.3  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 100.573 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.1  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 10.949 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

Instrument :

BNA\_F

ClientSampleId :

SP-A

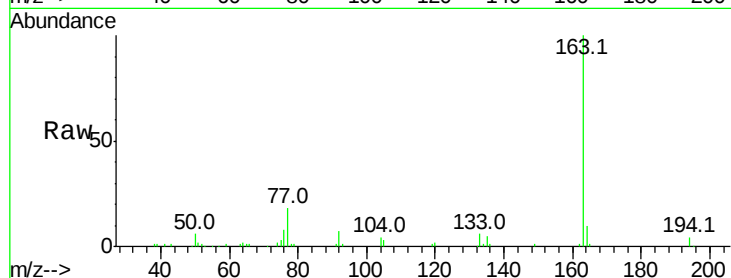
Tot Ion:163 Resp: 74271

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

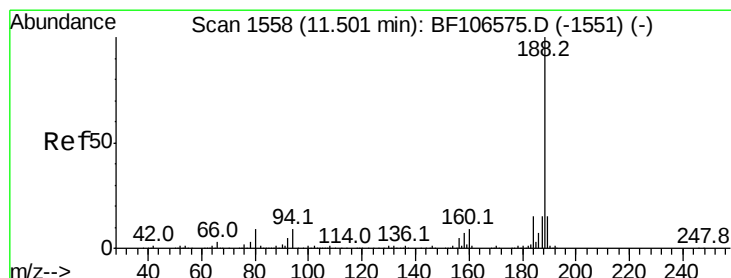
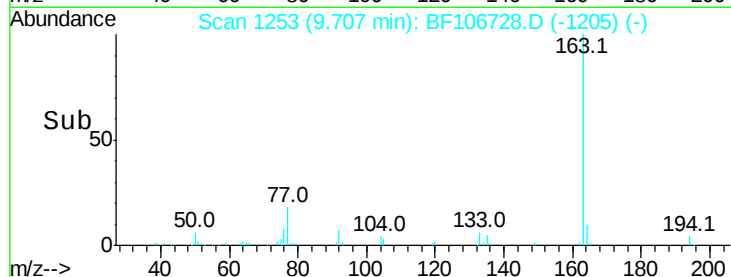
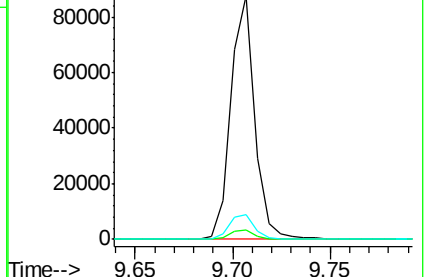
164 10.1 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

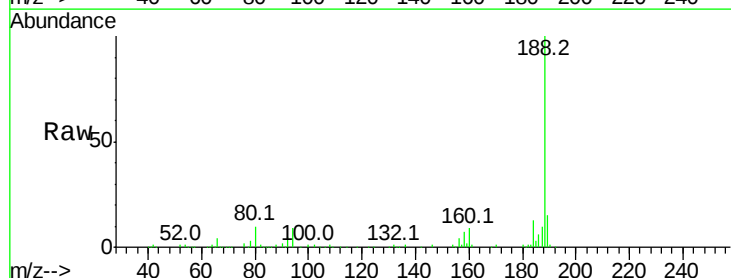
Tgt Ion:188 Resp: 156258

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

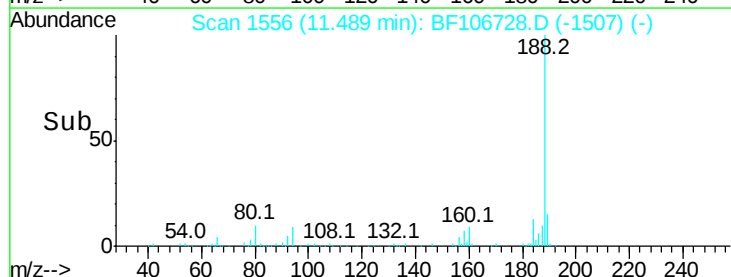
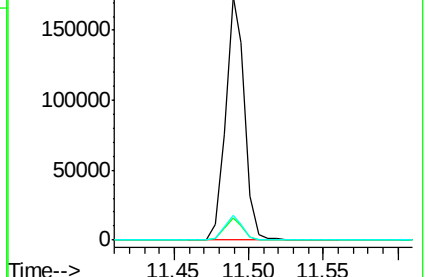
80 10.3 9.2 13.8

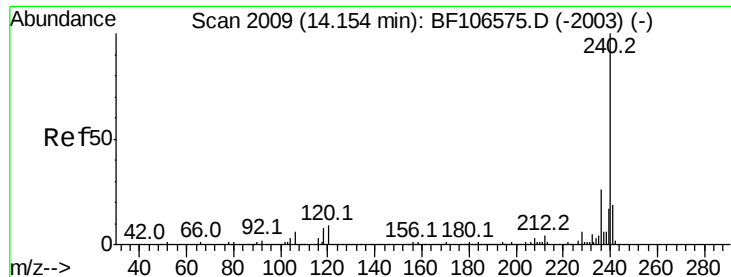


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

Instrument :

BNA\_F

ClientSampleId :

SP-A

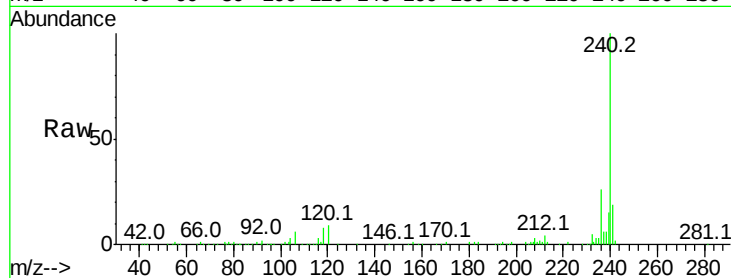
Tot Ion:240 Resp: 148588

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

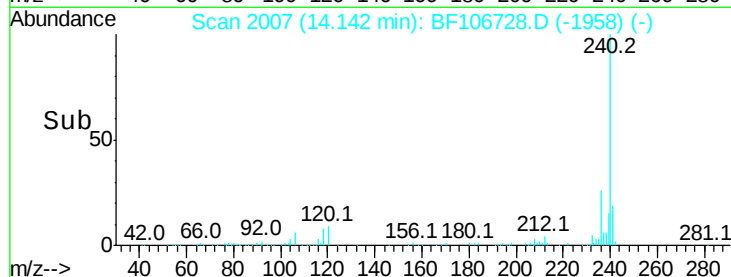
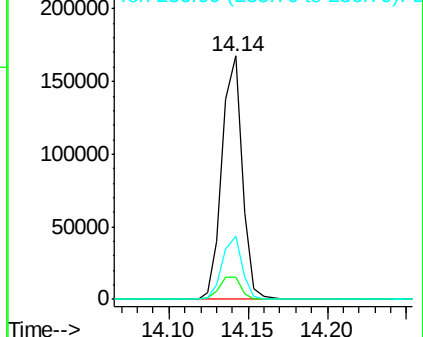
236 26.2 20.7 31.1



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

Terphenyl-d14

Concen: 85.702 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

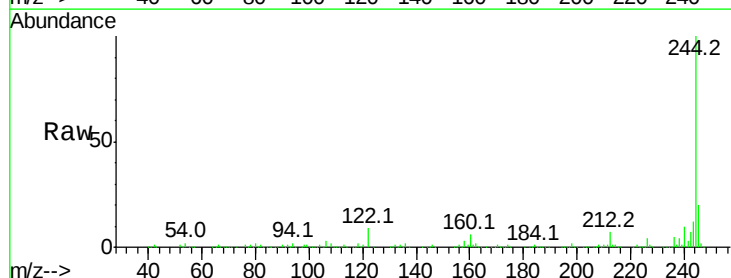
Tgt Ion:244 Resp: 525712

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

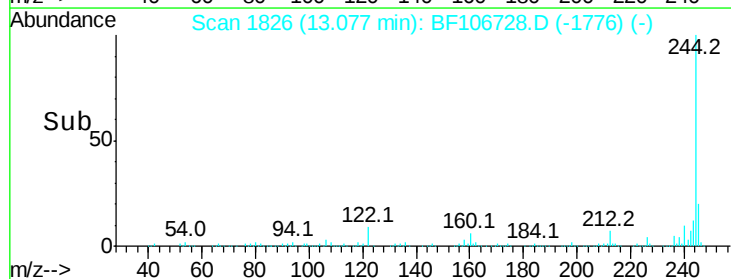
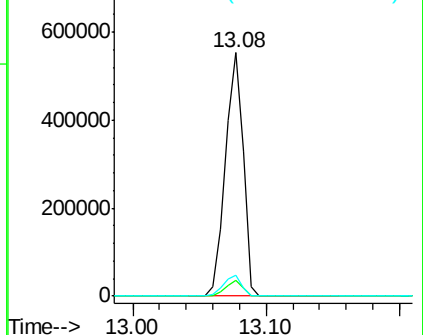
122 8.8 11.0 16.4#



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

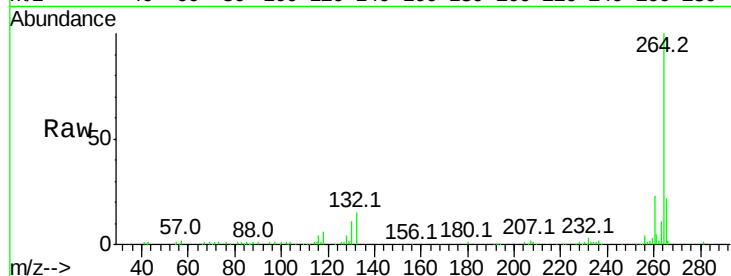




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2267  
 Delta R.T. -0.02 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 130702 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.1  | 19.2  | 28.8   |
| 265      | 21.7  | 17.5  | 26.3   |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

