

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\  
 Data File : BF103926.D  
 Acq On : 26 Mar 2018 15:16  
 Operator : JU/SJ  
 Sample : PB107589BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107589BL

Quant Time: Mar 27 08:01:13 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 131729   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 541222   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 262185   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.51 | 188  | 494591   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.18 | 240  | 452981   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 15.76 | 264  | 381265   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 957771   | 110.59 | ng    | 0.01     |
| 7) Phenol-d6                | 6.60  | 99   | 1157151  | 109.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 729487   | 93.99  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 328512   | 145.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1332581  | 81.08  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 1485907  | 76.14  | ng    | 0.00     |

Target Compounds Qvalue

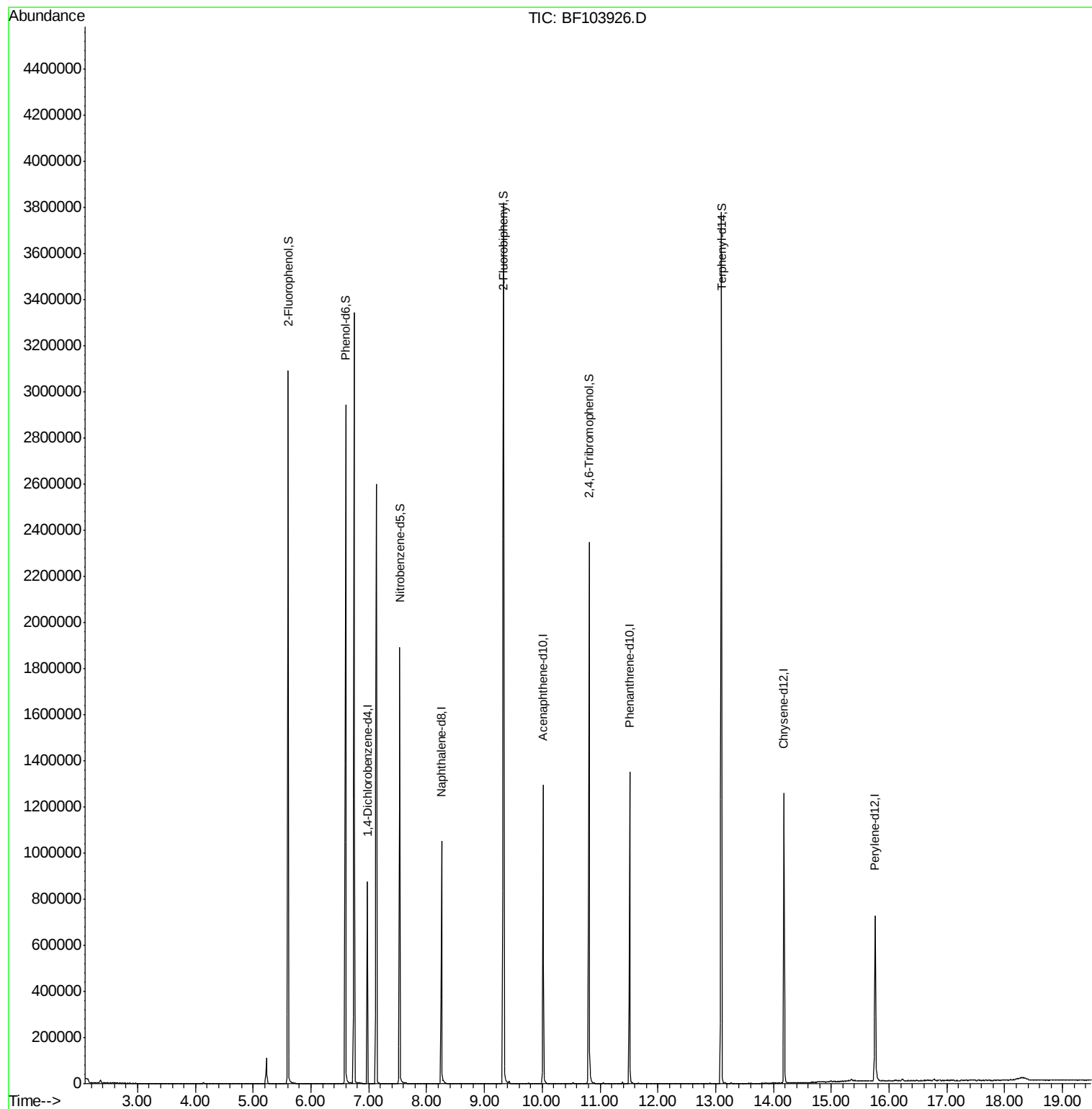
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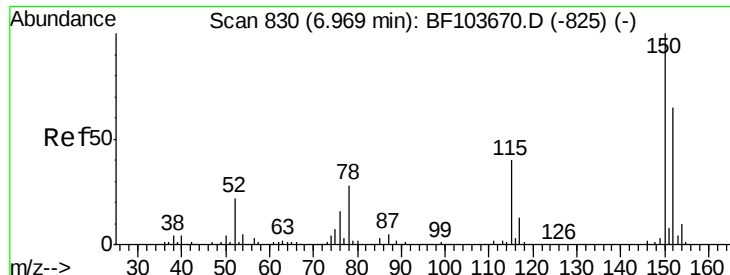
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF103926.D  
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Operator : JU/SJ  
Sample : PB107589BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB107589BL

Quant Time: Mar 27 08:01:13 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 23 13:26:17 2018  
Response via : Initial Calibration



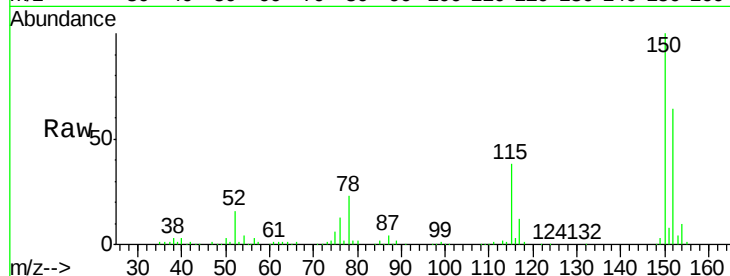


#1

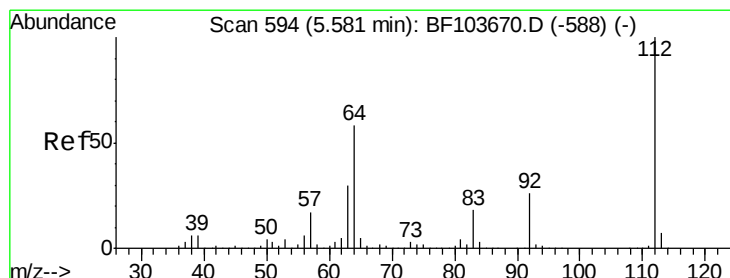
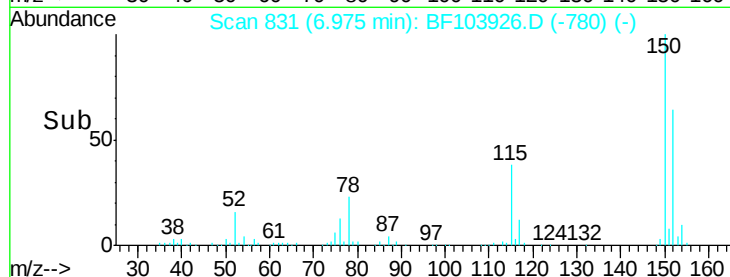
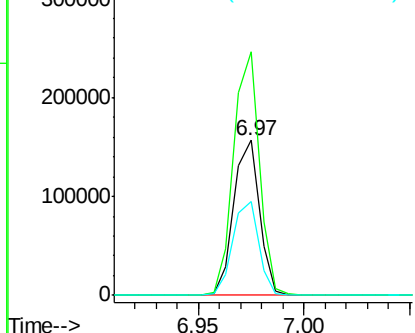
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF103926.D  
Acq: 26 Mar 2018 15:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB107589BL

Tot Ion:152 Resp: 131729  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.6 186.8  
115 60.3 50.1 75.1



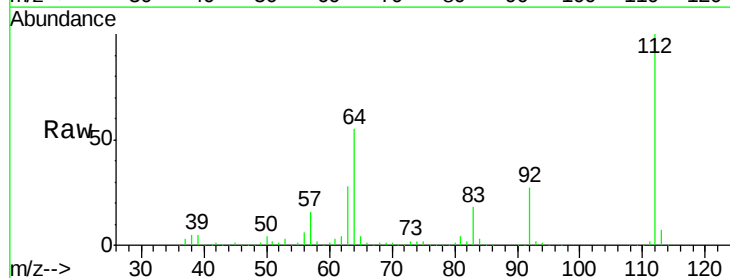
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



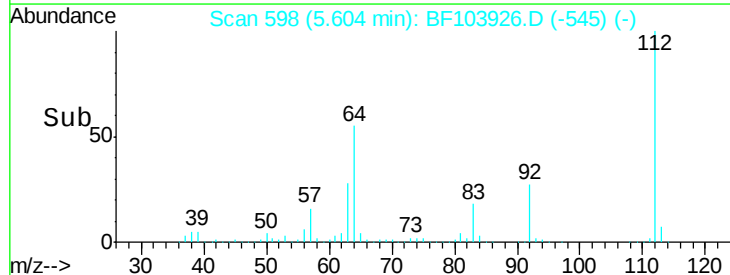
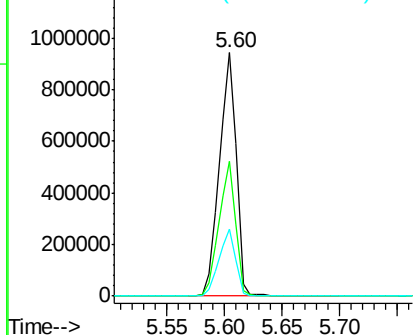
#5

2-Fluorophenol  
Concen: 110.588 ng  
RT: 5.60 min Scan# 598  
Delta R.T. 0.01 min  
Lab File: BF103926.D  
Acq: 26 Mar 2018 15:16

Tgt Ion:112 Resp: 957771  
Ion Ratio Lower Upper  
112 100  
64 55.3 47.9 71.9  
63 27.6 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: 109.209 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103926.D

Acq: 26 Mar 2018 15:16

Instrument :

BNA\_F

ClientSampleId :

PB107589BL

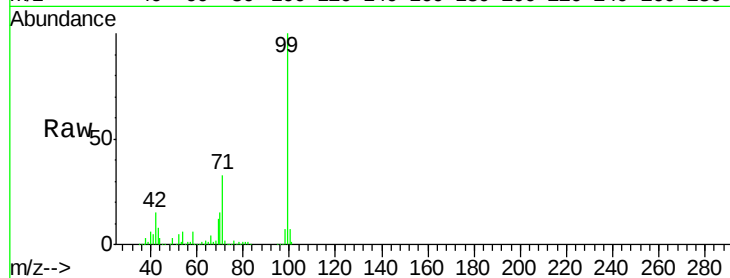
Tot Ion: 99 Resp: 1157151

Ion Ratio Lower Upper

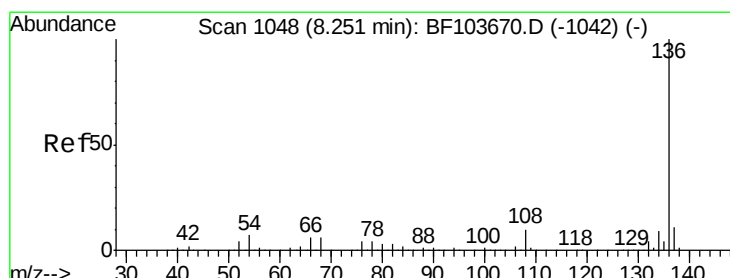
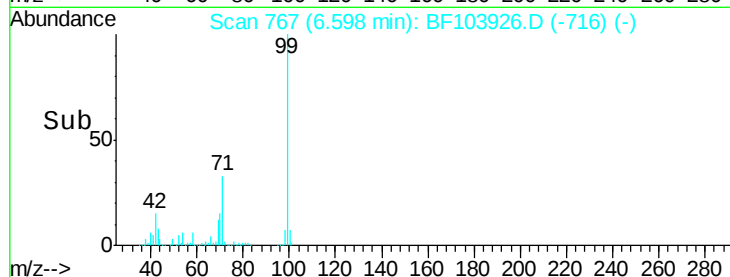
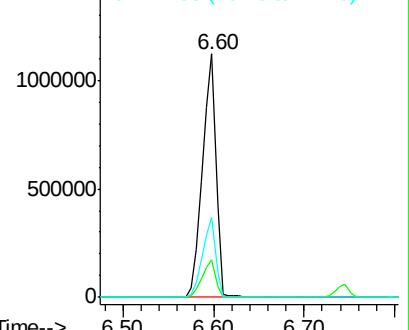
99 100

42 15.4 14.5 21.7

71 32.7 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: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF103926.D

Acq: 26 Mar 2018 15:16

Tgt Ion: 136 Resp: 541222

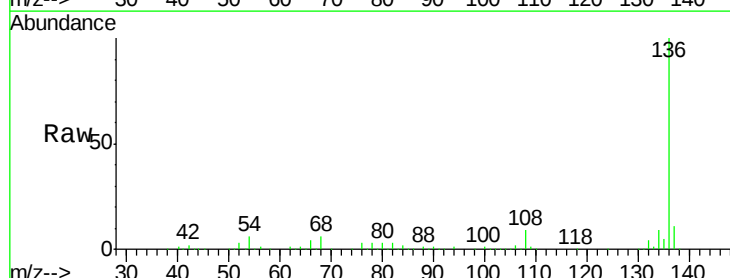
Ion Ratio Lower Upper

136 100

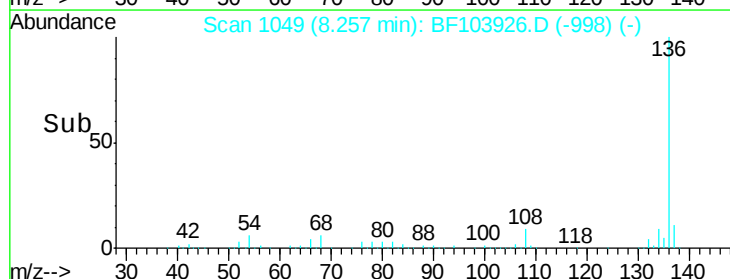
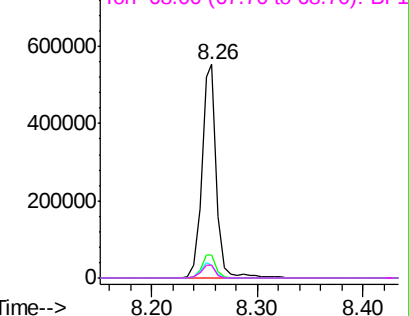
137 10.7 8.9 13.3

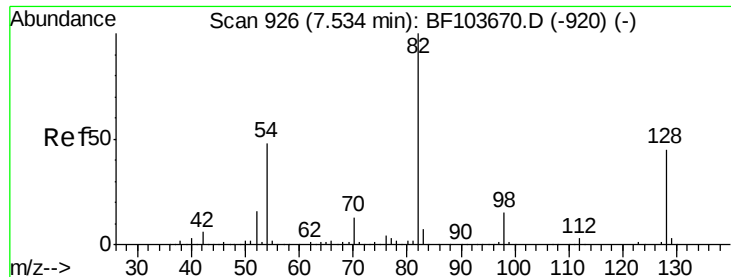
54 6.3 6.6 9.8#

68 6.1 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

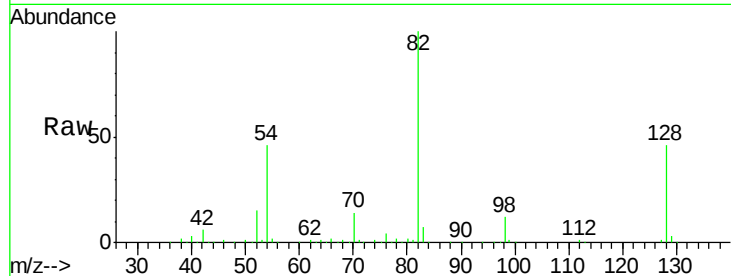




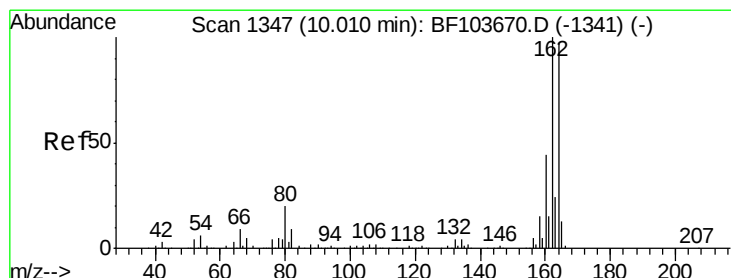
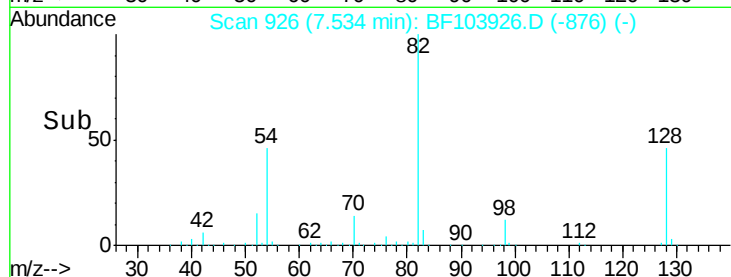
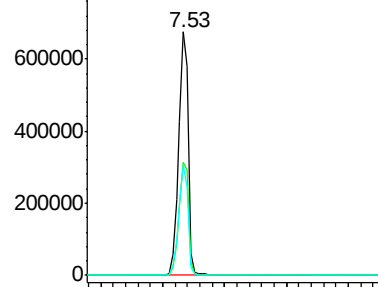
#23  
 Nitrobenzene-d5  
 Concen: 93.994 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.01 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107589BL

| Tot Ion   | 82    | Resp  | 729487 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.2  | 36.1  | 54.1   |
| 54        | 45.6  | 41.4  | 62.2   |

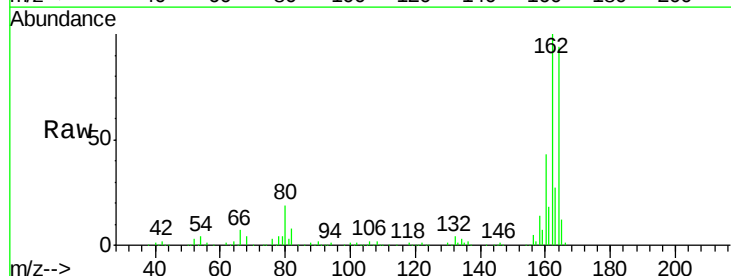


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

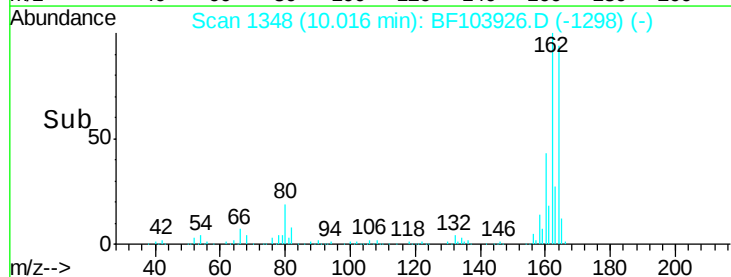
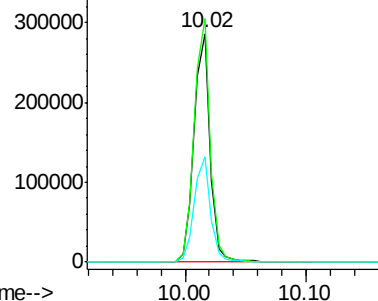


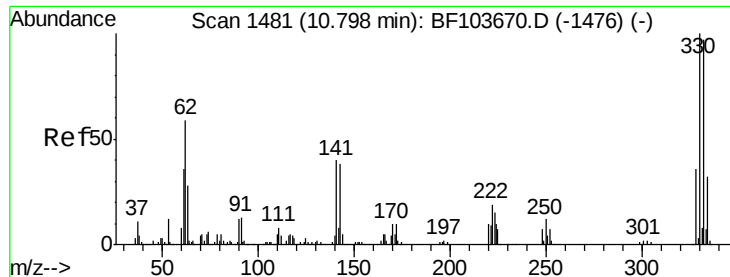
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.02 min Scan# 1348  
 Delta R.T. -0.01 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

| Tgt Ion   | 164   | Resp  | 262185 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.5 | 86.1  | 129.1  |
| 160       | 45.9  | 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

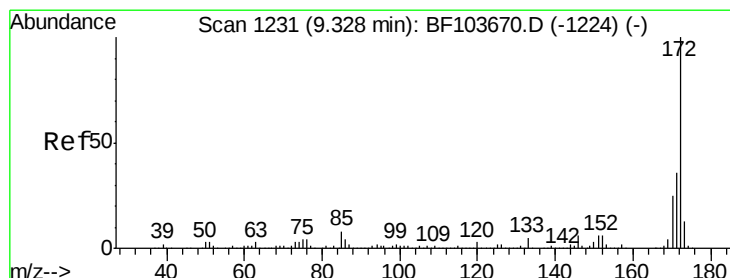
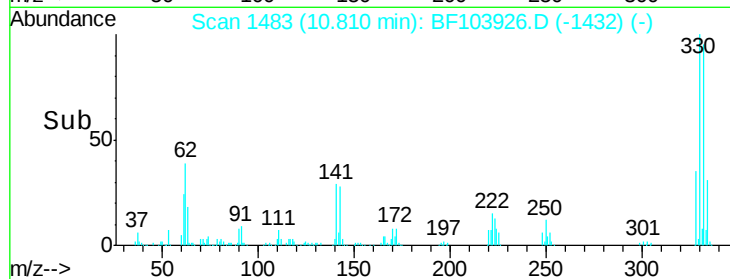
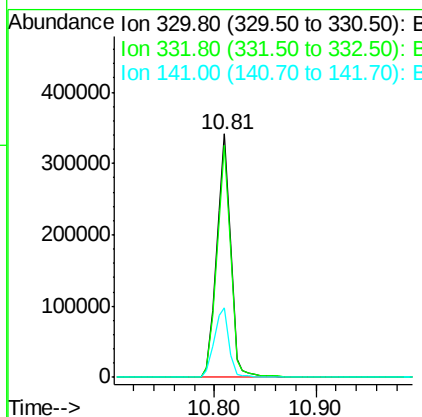
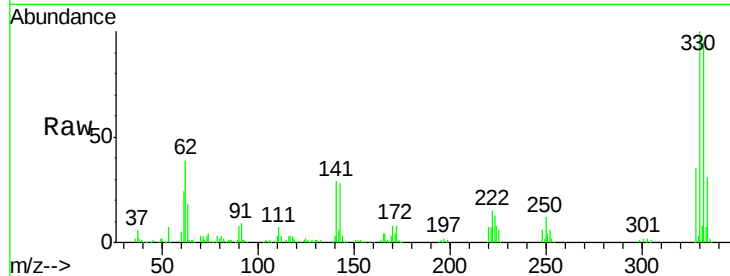




#41  
 2,4,6-Tribromophenol  
 Concen: 145.728 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. 0.00 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

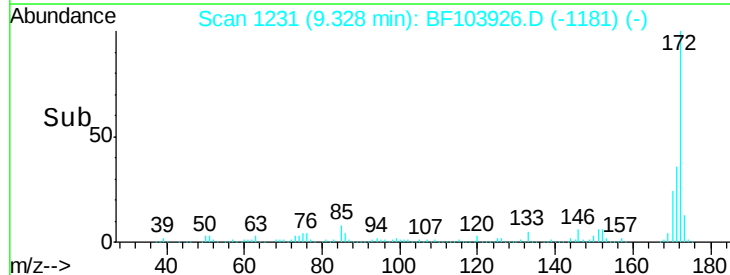
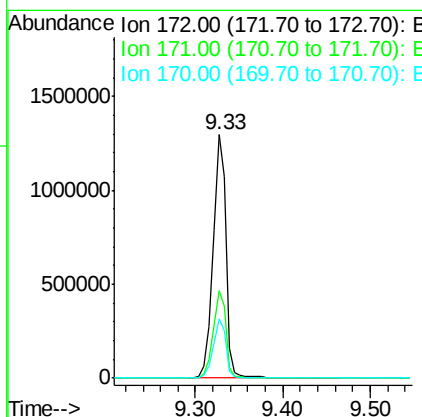
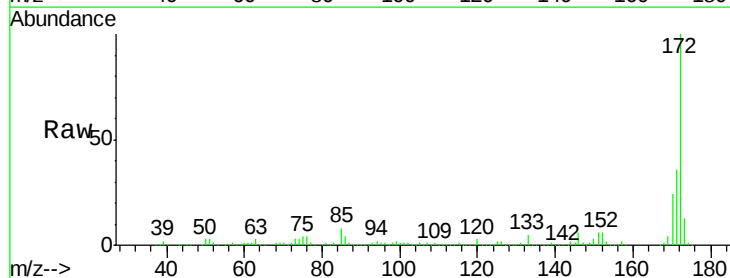
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107589BL

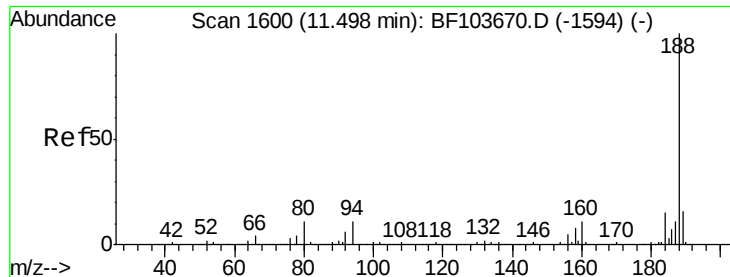
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.0  | 115.6 |
| 141     | 30.4  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 81.075 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

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

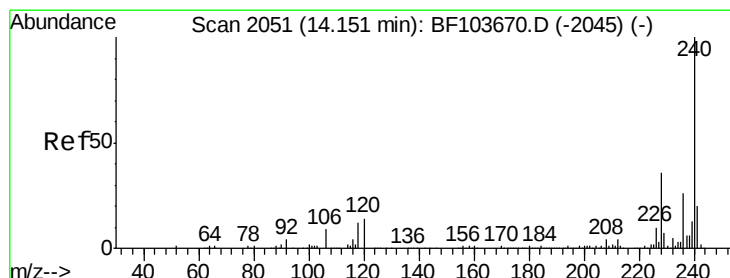
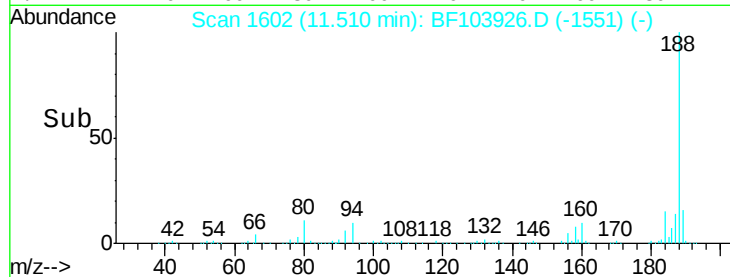
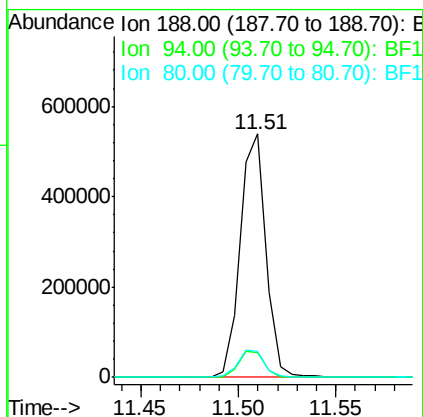
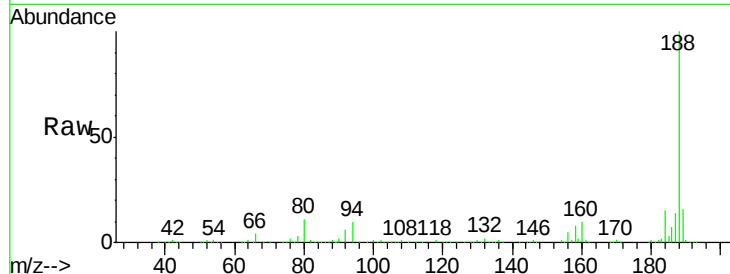




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: BF103926.D  
Acq: 26 Mar 2018 15:16

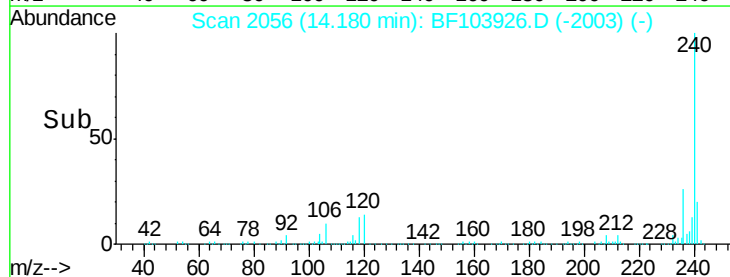
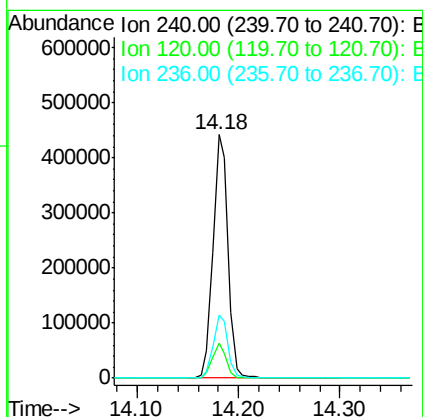
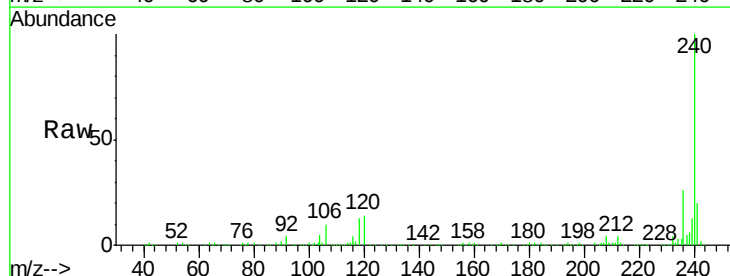
Instrument :  
BNA\_F  
ClientSampleId :  
PB107589BL

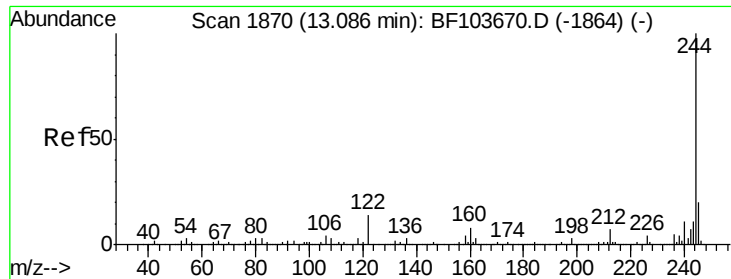
Tot Ion:188 Resp: 494591  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 10.9 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.18 min Scan# 2056  
Delta R.T. 0.01 min  
Lab File: BF103926.D  
Acq: 26 Mar 2018 15:16

Tgt Ion:240 Resp: 452981  
Ion Ratio Lower Upper  
240 100  
120 14.3 9.5 14.3#  
236 25.9 20.7 31.1



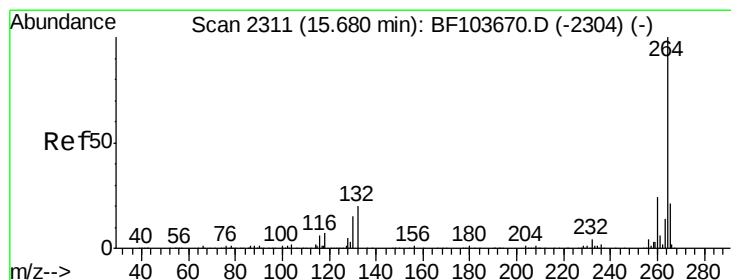
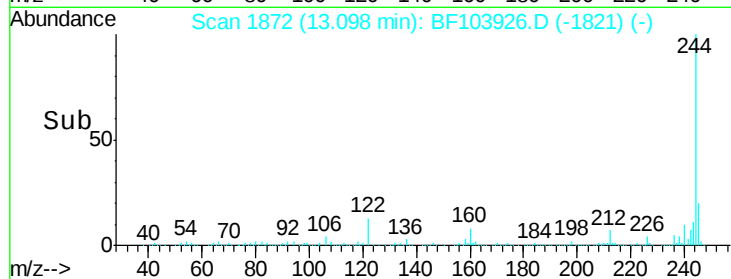
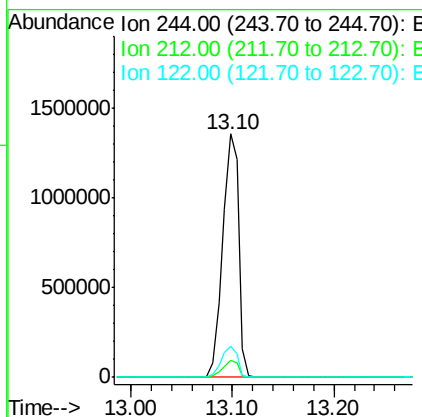
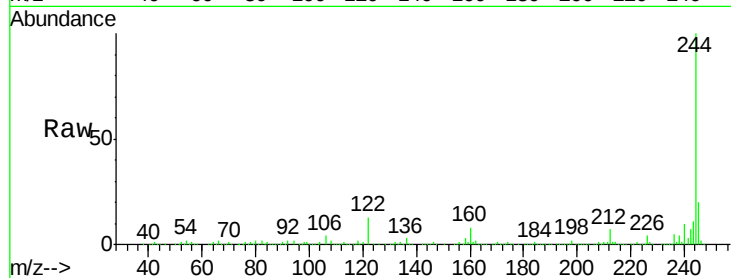


#78  
 Terphenyl-d14  
 Concen: 76.140 ng  
 RT: 13.10 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107589BL

Tot Ion:244 Resp: 1485907  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.4   | 8.0   |
| 122 | 12.7  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.76 min Scan# 2324  
 Delta R.T. 0.05 min  
 Lab File: BF103926.D  
 Acq: 26 Mar 2018 15:16

Tgt Ion:264 Resp: 381265  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 19.2  | 28.8  |
| 265 | 21.5  | 17.5  | 26.3  |

