

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
 Data File : BF104378.D  
 Acq On : 9 Apr 2018 17:56  
 Operator : JU/SJ  
 Sample : J2157-01 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-040618-A

Quant Time: Apr 10 02:16:55 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 06 16:44:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 131806   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 532331   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 236181   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 361451   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 269756   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12            | 15.50 | 264  | 255650   | 20.00 | ng    | 0.08     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 195815   | 22.72 | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 241853   | 22.84 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 136224   | 16.71 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 48549    | 19.82 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 263435   | 17.62 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 176456   | 14.91 | ng    | 0.00     |

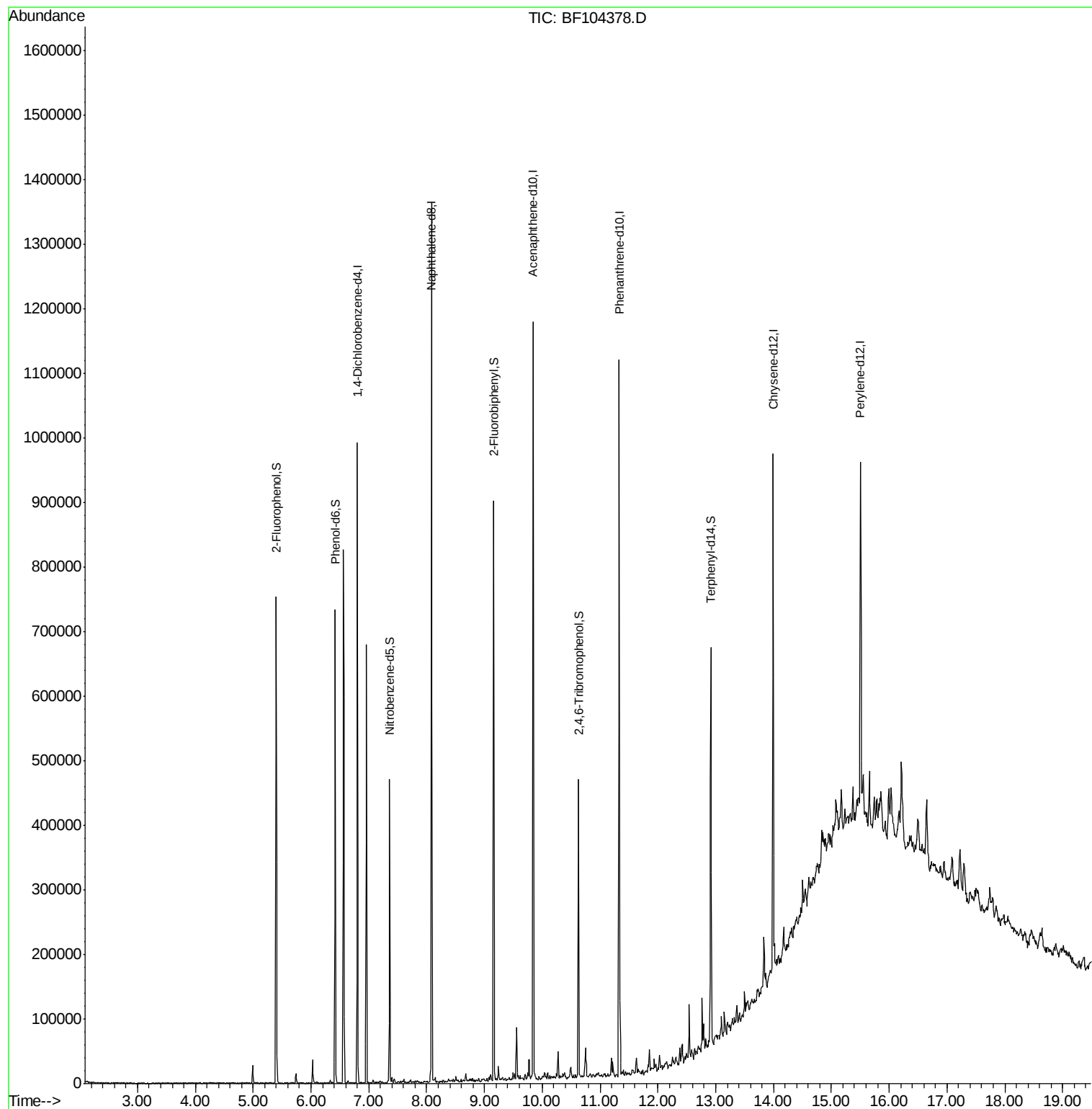
Target Compounds Qvalue

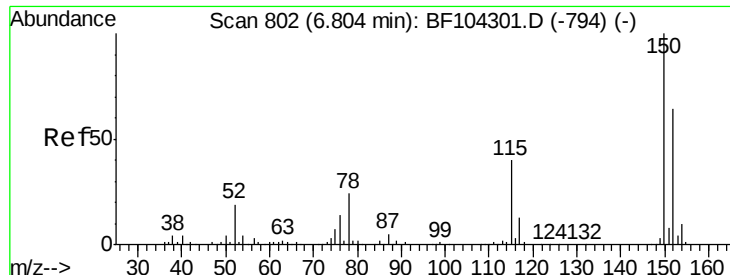
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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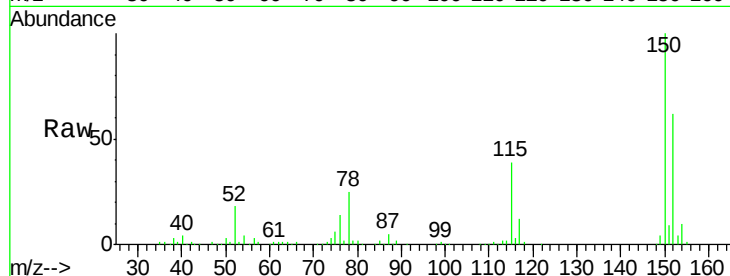


#1

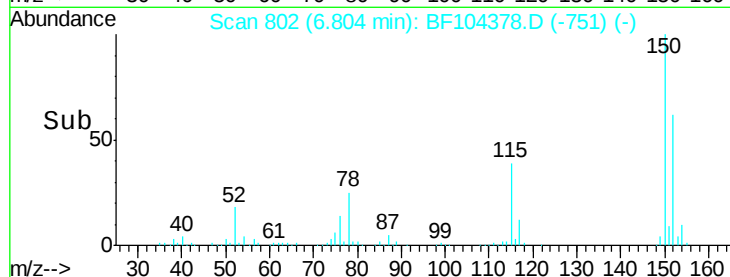
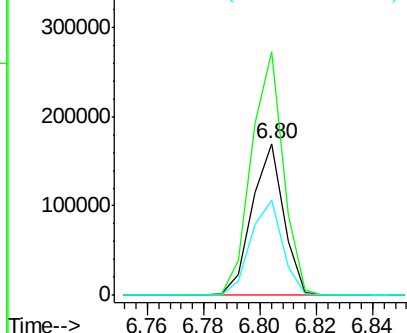
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

Instrument :  
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Tot Ion:152 Resp: 131806  
Ion Ratio Lower Upper  
152 100  
150 160.3 124.6 186.8  
115 62.6 50.1 75.1



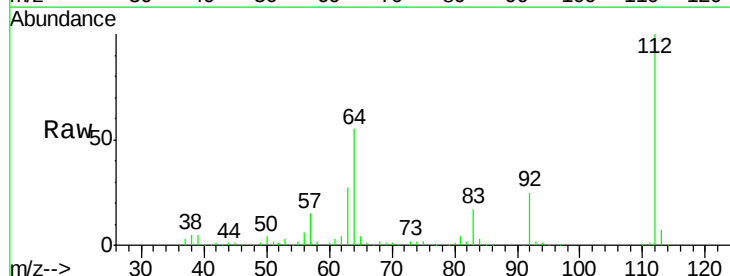
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



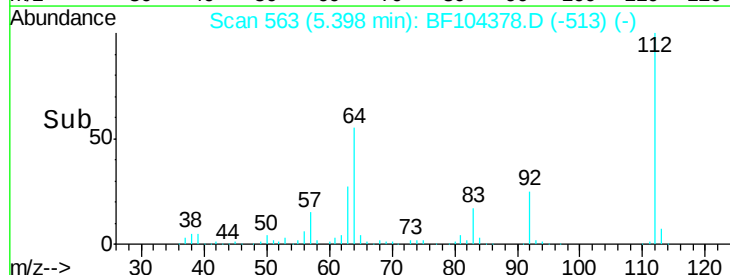
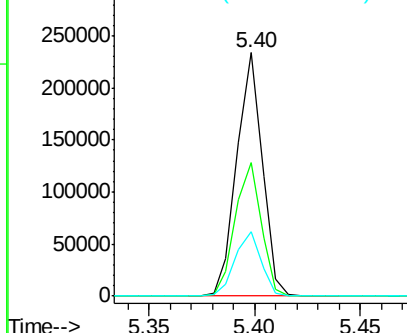
#5

2-Fluorophenol  
Concen: 22.716 ng  
RT: 5.40 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

Tgt Ion:112 Resp: 195815  
Ion Ratio Lower Upper  
112 100  
64 54.6 47.9 71.9  
63 26.6 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: 22.835 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104378.D

Acq: 9 Apr 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

CL-01-040618-A

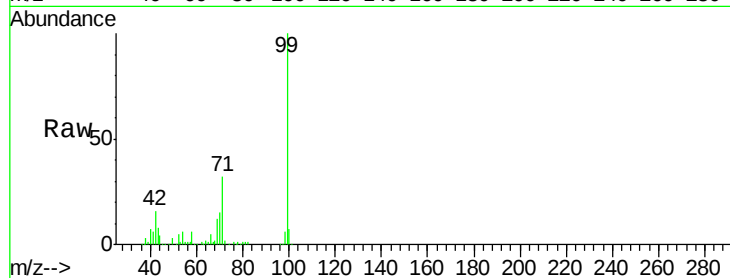
Tot Ion: 99 Resp: 241853

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

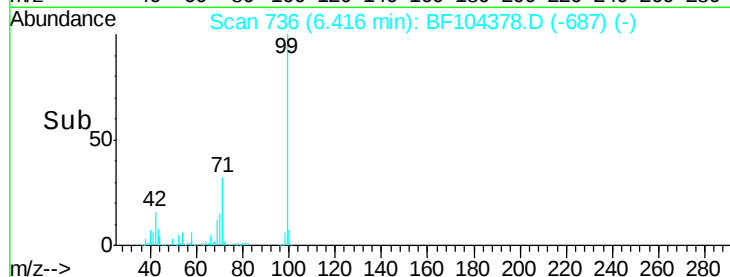
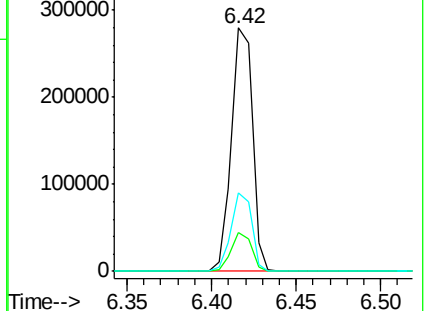
71 32.2 25.4 38.0



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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104378.D

Acq: 9 Apr 2018 17:56

Tgt Ion: 136 Resp: 532331

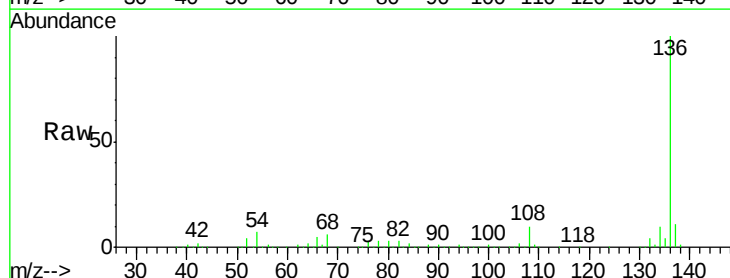
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 6.6 9.8

68 6.4 5.0 7.4

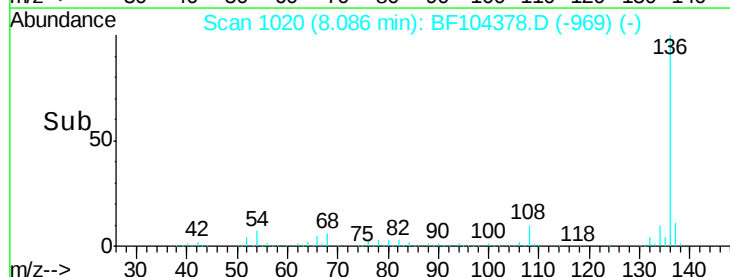
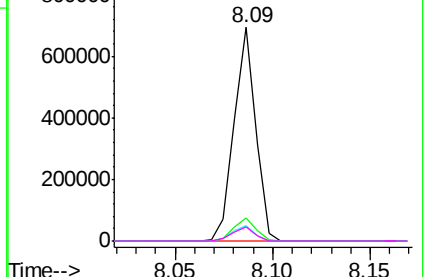


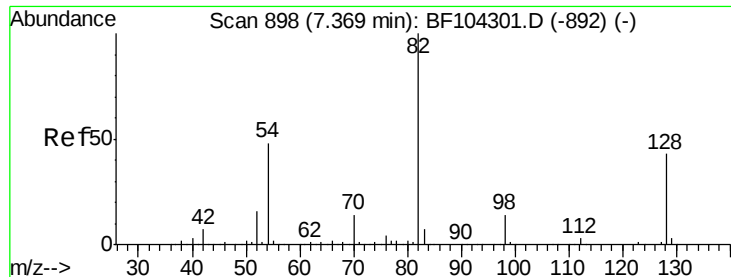
Abundance Ion 136.00 (135.70 to 136.70): E

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

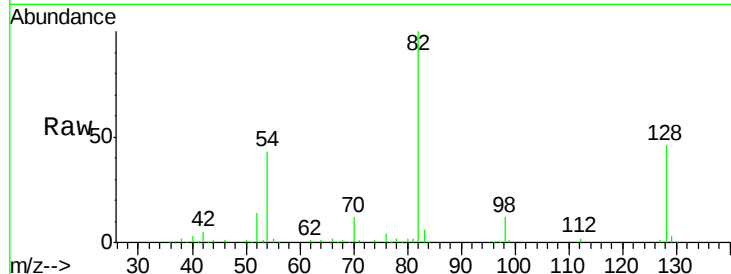




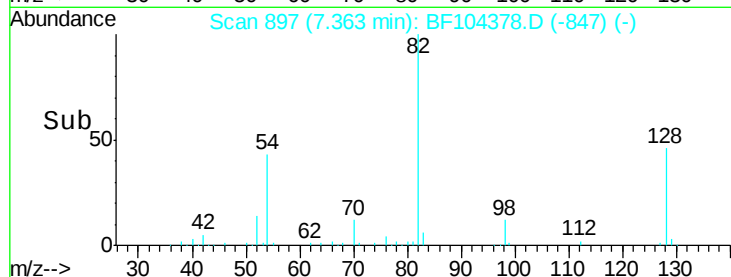
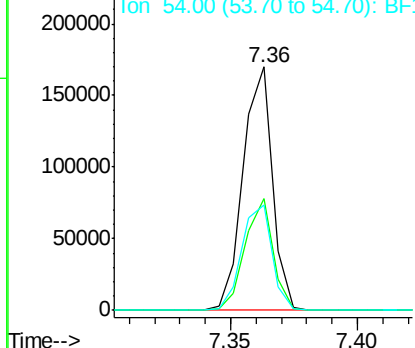
#23  
Nitrobenzene-d5  
Concen: 16.710 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

Instrument :  
BNA\_F  
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CL-01-040618-A

Tot Ion: 82 Resp: 136224  
Ion Ratio Lower Upper  
82 100  
128 45.8 36.1 54.1  
54 43.3 41.4 62.2

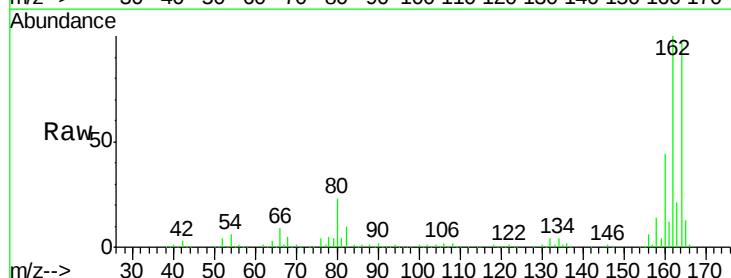


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

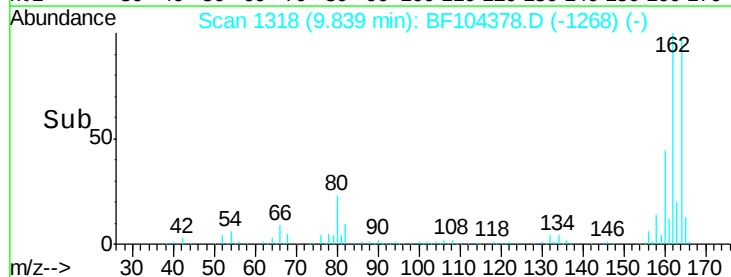
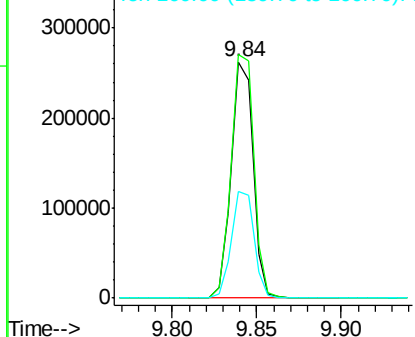


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.01 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

Tgt Ion:164 Resp: 236181  
Ion Ratio Lower Upper  
164 100  
162 103.0 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

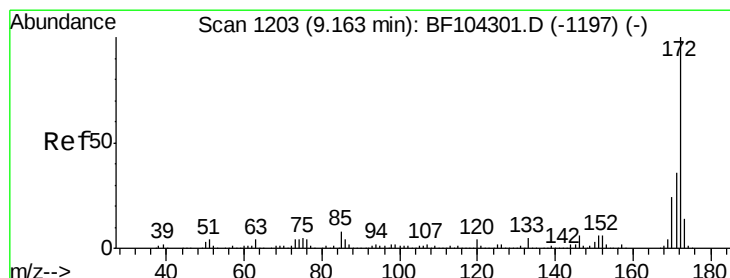
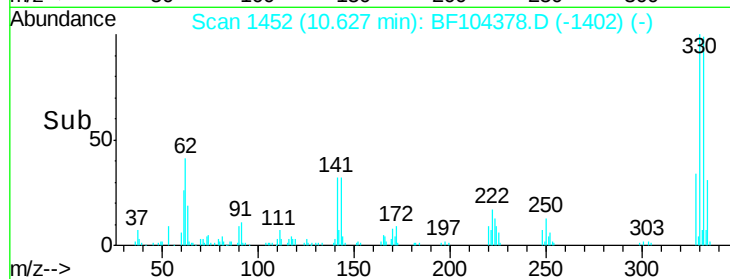
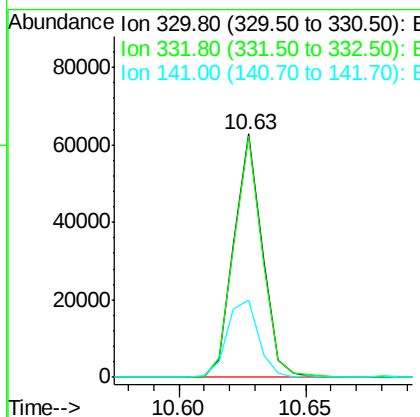
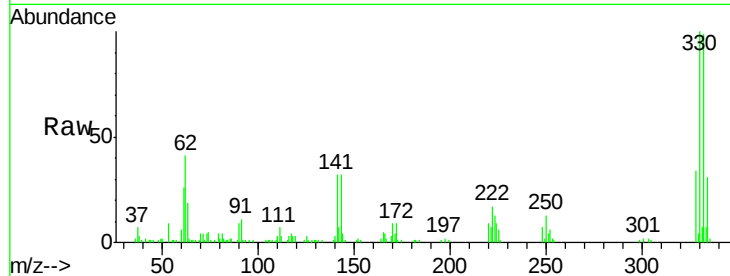




#41  
 2,4,6-Tribromophenol  
 Concen: 19.816 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF104378.D  
 Acq: 9 Apr 2018 17:56

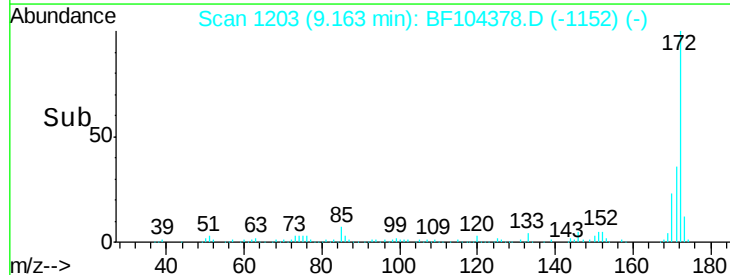
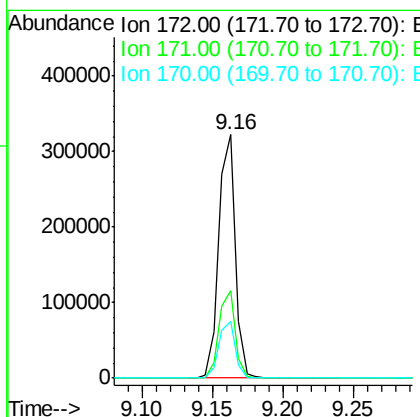
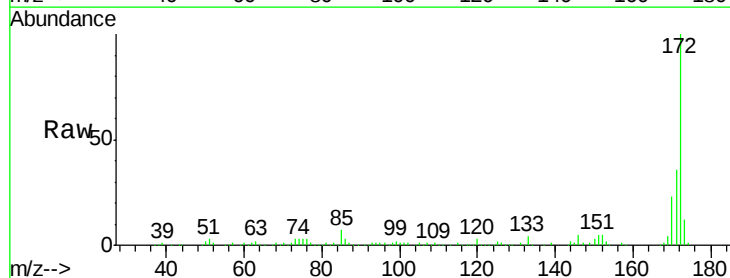
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 ClientSampleId :  
 CL-01-040618-A

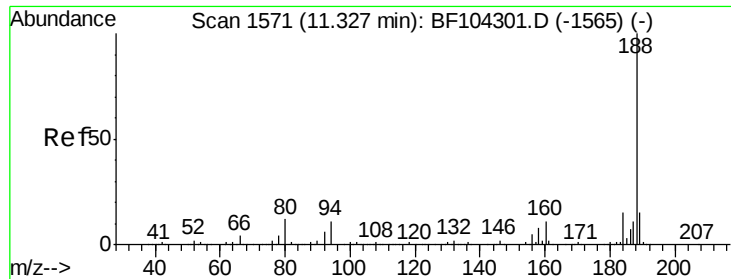
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.0  | 115.6 |
| 141     | 35.8  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 17.620 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BF104378.D  
 Acq: 9 Apr 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.7  | 44.5  |
| 170     | 23.3  | 19.6  | 29.4  |

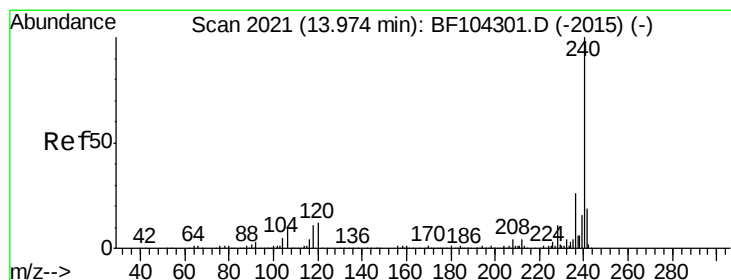
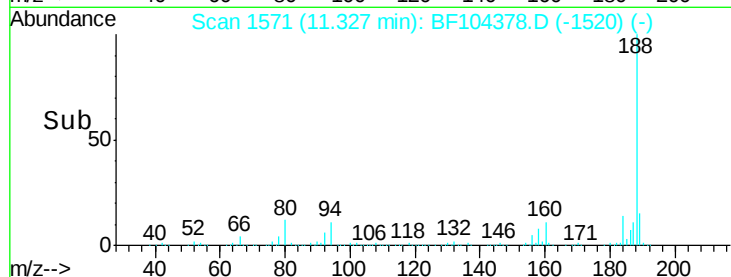
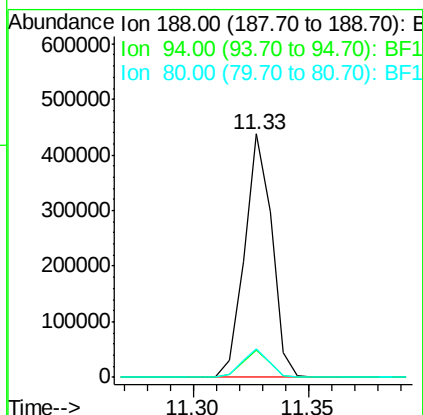
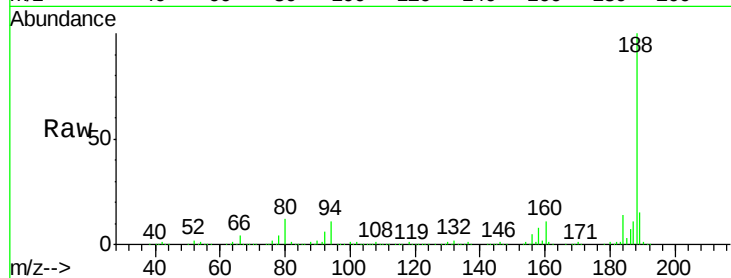




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.00 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

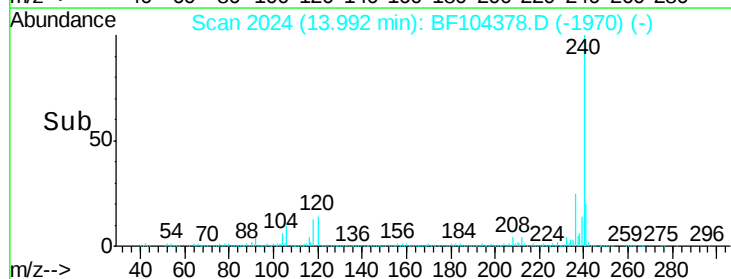
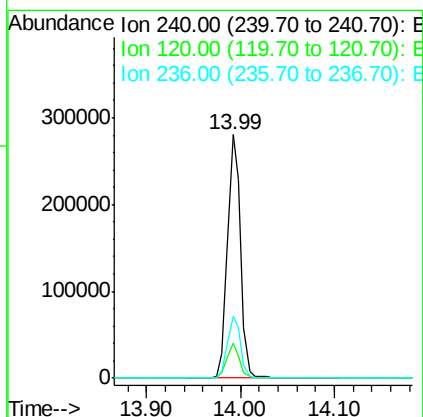
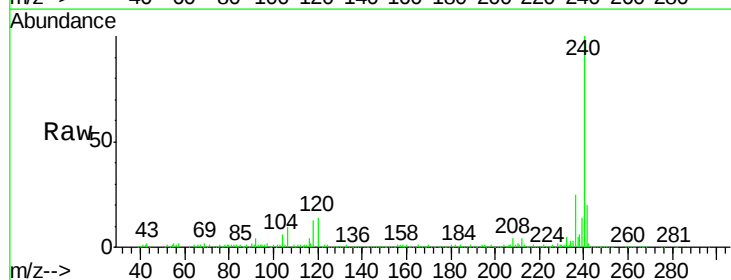
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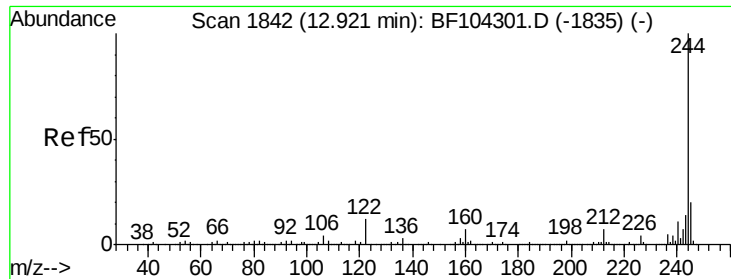
Tot Ion:188 Resp: 361451  
Ion Ratio Lower Upper  
188 100  
94 11.3 8.5 12.7  
80 11.7 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. 0.02 min  
Lab File: BF104378.D  
Acq: 9 Apr 2018 17:56

Tgt Ion:240 Resp: 269756  
Ion Ratio Lower Upper  
240 100  
120 14.4 9.5 14.3#  
236 25.2 20.7 31.1

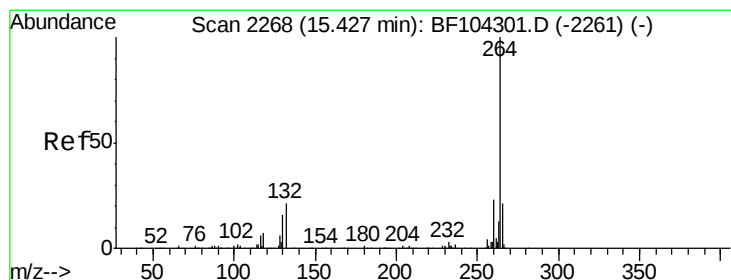
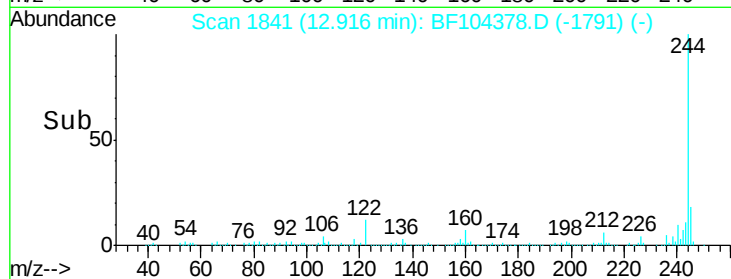
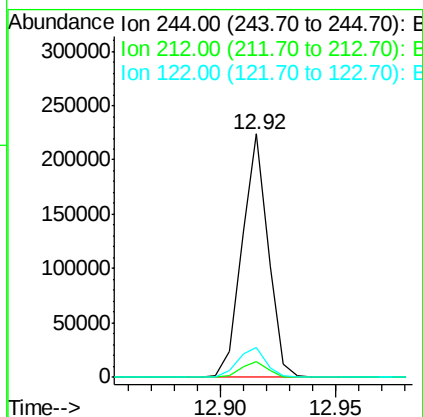
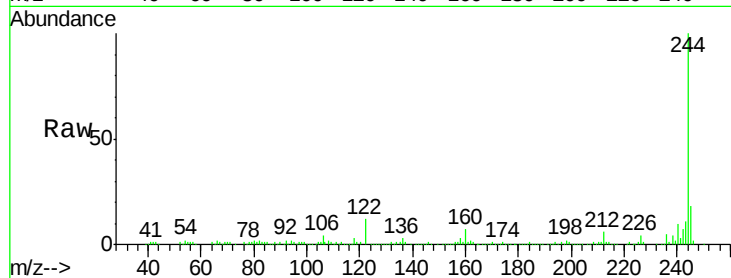




#78  
 Terphenyl-d14  
 Concen: 14.913 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BF104378.D  
 Acq: 9 Apr 2018 17:56

Instrument :  
 BNA\_F  
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Tot Ion:244 Resp: 176456  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.4 8.0  
 122 12.3 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. 0.08 min  
 Lab File: BF104378.D  
 Acq: 9 Apr 2018 17:56

Tgt Ion:264 Resp: 255650  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.2 28.8  
 265 22.7 17.5 26.3

