

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\  
 Data File : BF108318.D  
 Acq On : 21 Aug 2018 4:59  
 Operator : JU/SJ  
 Sample : J4500-12  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Quant Time: Aug 21 06:56:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.02  | 152  | 152712   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 509223   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.06 | 164  | 212633   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.56 | 188  | 378745   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.21 | 240  | 276013   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.78 | 264  | 211024   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 1164645  | 138.07 | ng    | 0.04     |
| 7) Phenol-d6                | 6.65  | 99   | 1329784  | 118.64 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 1017304  | 111.48 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.86 | 330  | 345920   | 163.10 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.38  | 172  | 1662360  | 125.52 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.15 | 244  | 1642029  | 151.26 | ng    | 0.00     |

Target Compounds Qvalue

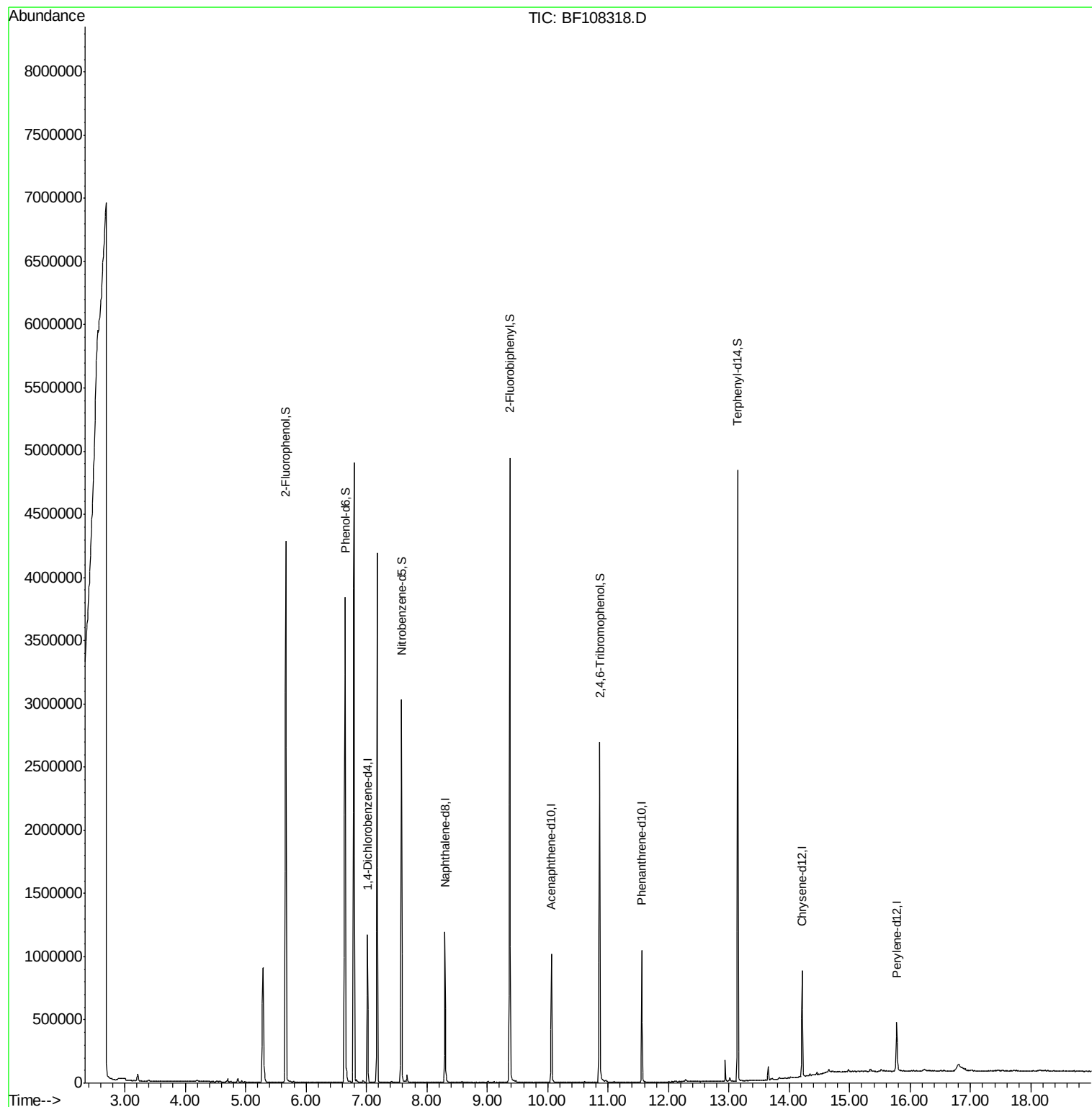
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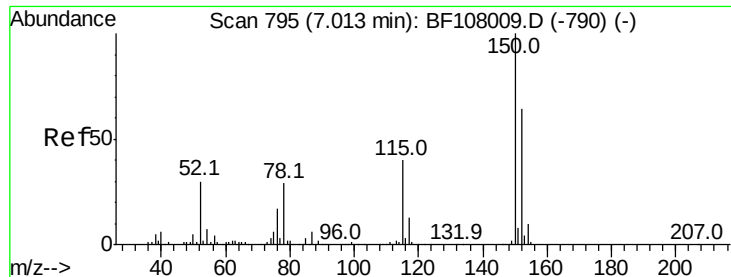
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 28 Sample Multiplier: 1

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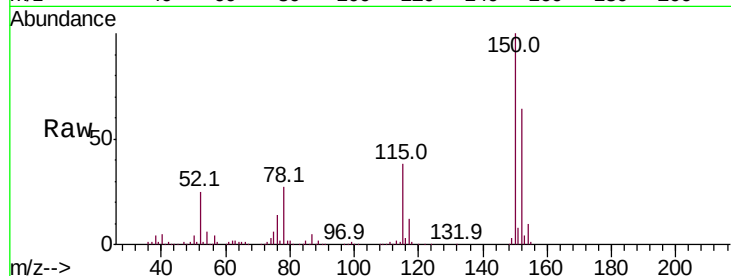


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.02 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: BF108318.D  
Acq: 21 Aug 2018 4:59

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 124.6 | 186.8 |
| 115     | 58.9  | 50.1  | 75.1  |

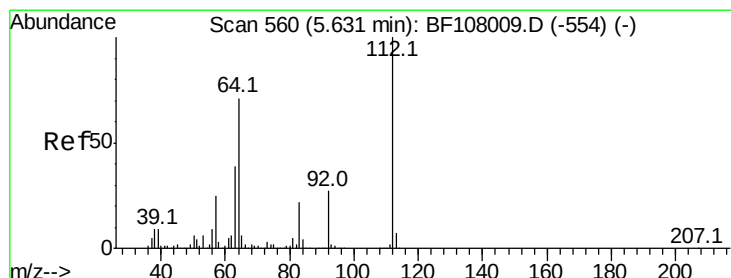
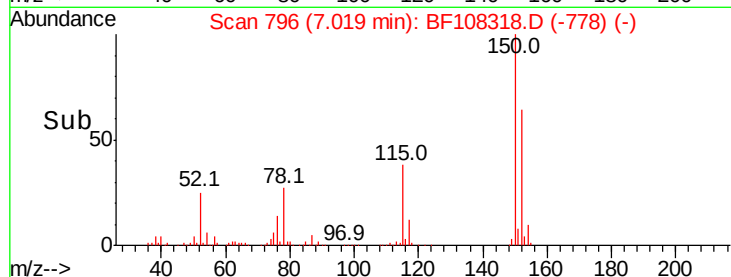
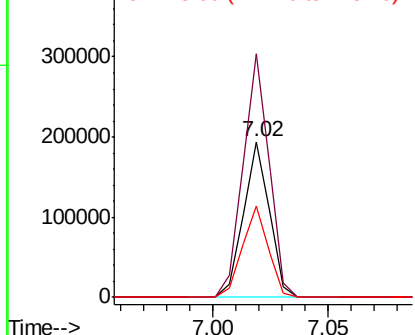


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

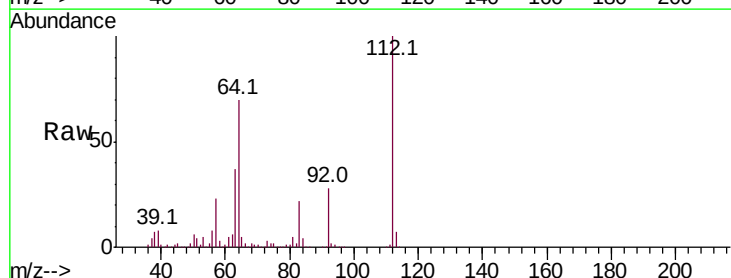
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 138.073 ng  
RT: 5.67 min Scan# 566  
Delta R.T. 0.04 min  
Lab File: BF108318.D  
Acq: 21 Aug 2018 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.5  | 47.9  | 71.9  |
| 63      | 37.2  | 23.7  | 35.5  |

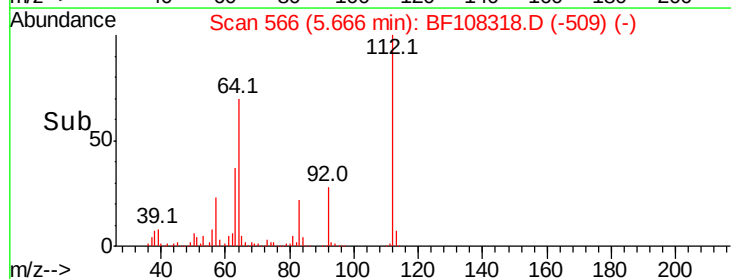
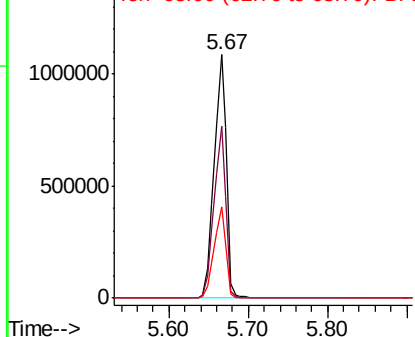


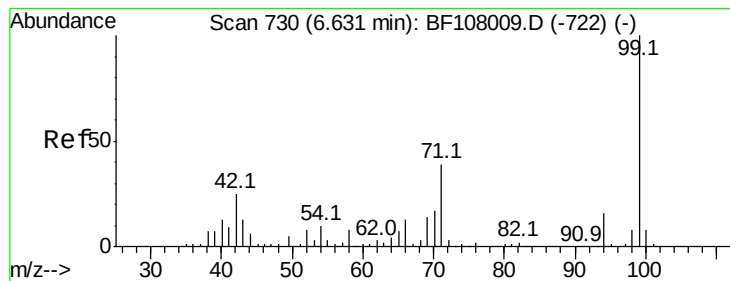
Abundance

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: 118.635 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Instrument :

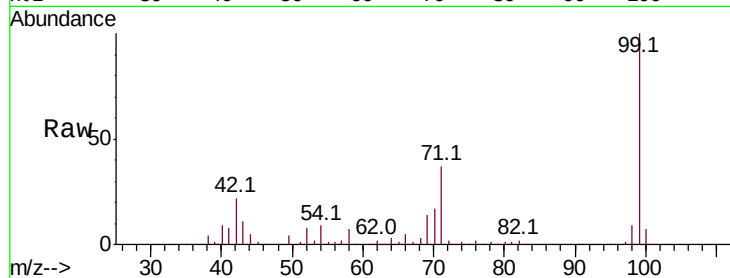
BNA\_F

ClientSampleId :

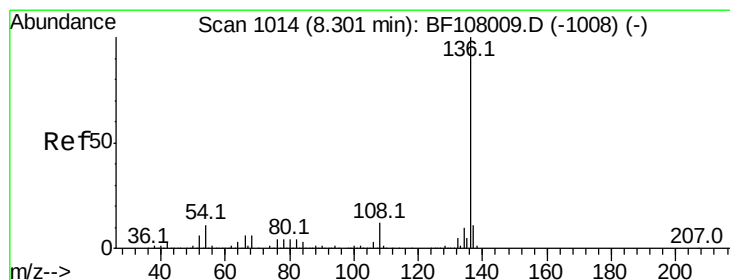
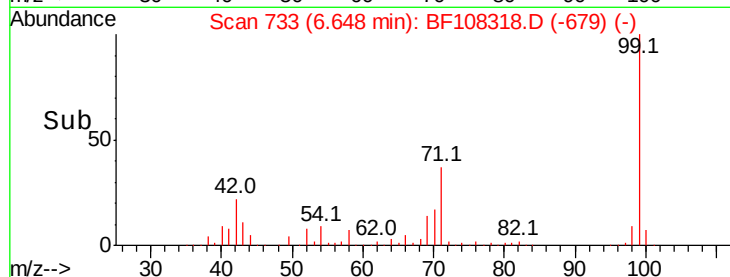
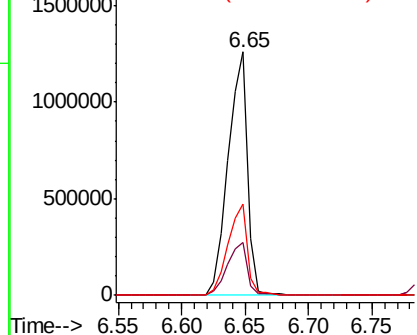
TP-6

Tot Ion: 99 Resp: 1329784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.8  | 14.5  | 21.7# |
| 71  | 37.3  | 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: 8.30 min Scan# 1014

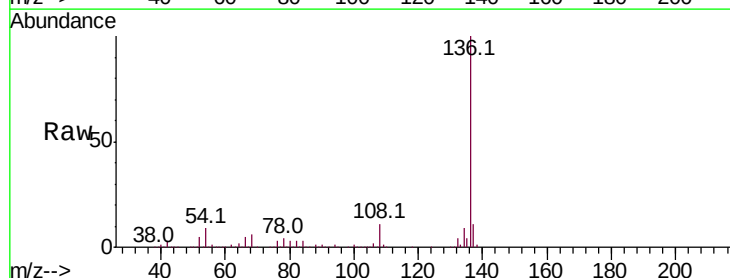
Delta R.T. 0.00 min

Lab File: BF108318.D

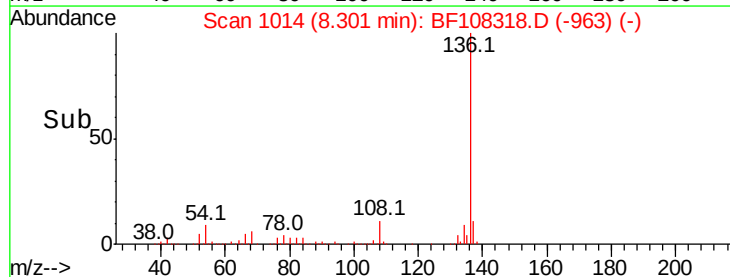
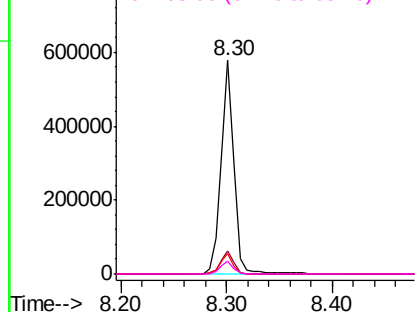
Acq: 21 Aug 2018 4:59

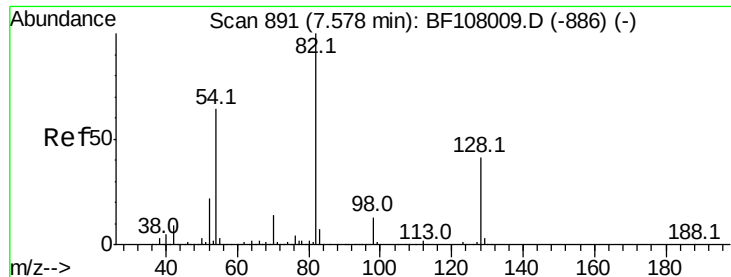
Tgt Ion: 136 Resp: 509223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.9   | 13.3  |
| 54  | 9.4   | 6.6   | 9.8   |
| 68  | 5.8   | 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

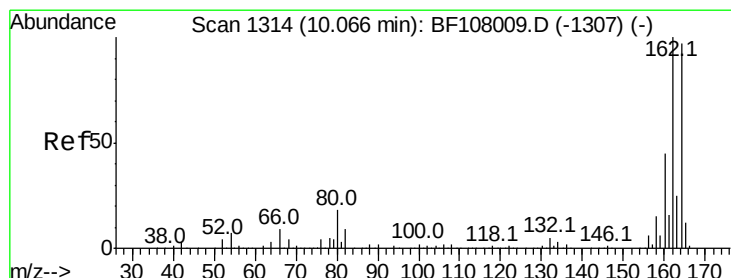
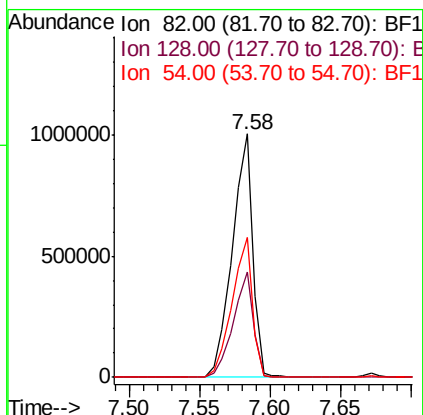
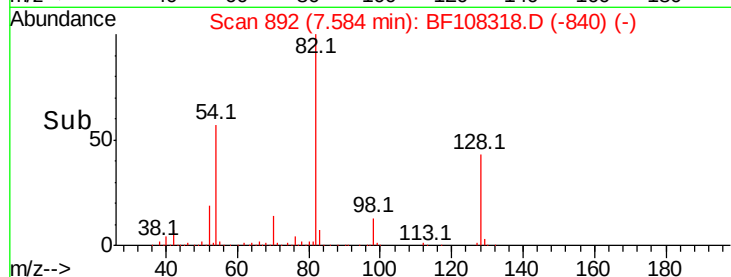
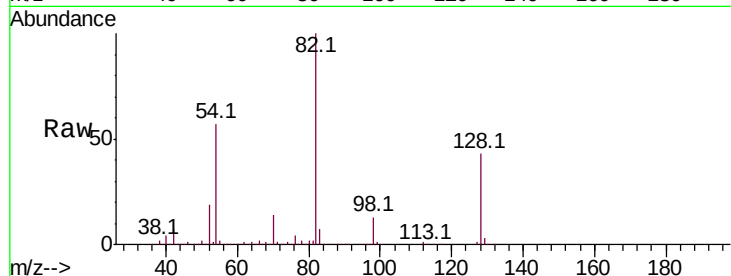




#23  
 Nitrobenzene-d5  
 Concen: 111.478 ng  
 RT: 7.58 min Scan# 892  
 Delta R.T. 0.01 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

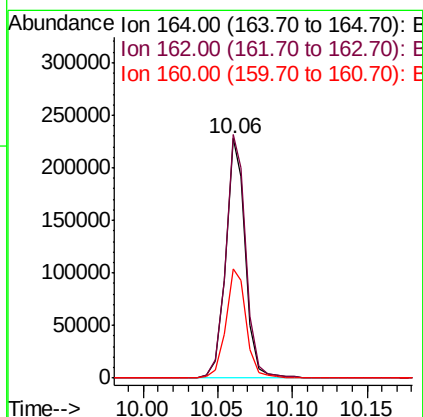
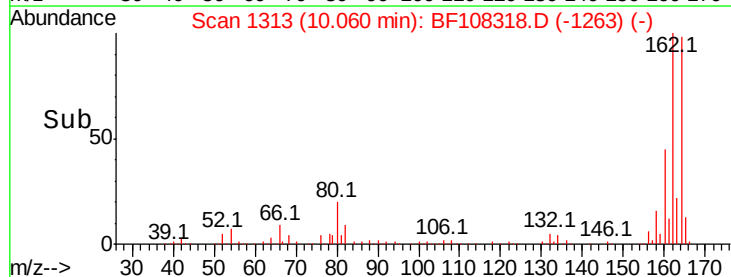
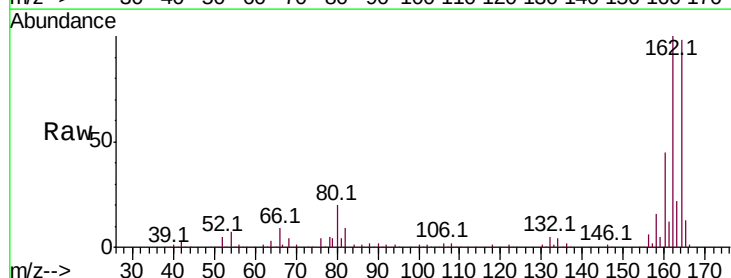
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

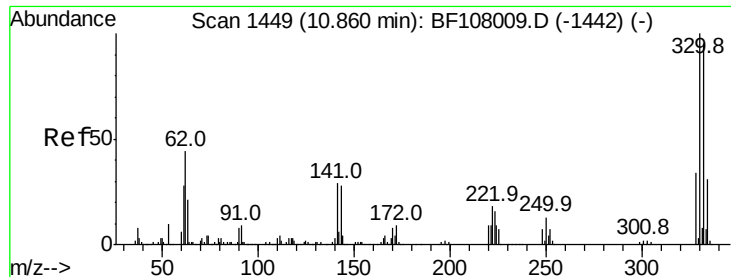
Tot Ion: 82 Resp: 1017304  
 Ion Ratio Lower Upper  
 82 100  
 128 43.3 36.1 54.1  
 54 57.5 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.06 min Scan# 1313  
 Delta R.T. -0.01 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

Tgt Ion:164 Resp: 212633  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 86.1 129.1  
 160 45.5 38.3 57.5

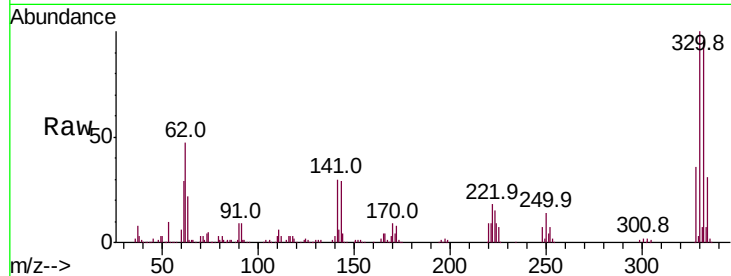




#41  
 2,4,6-Tribromophenol  
 Concen: 163.096 ng  
 RT: 10.86 min Scan# 1449  
 Delta R.T. 0.00 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 31.9  | 29.9  | 44.9  |

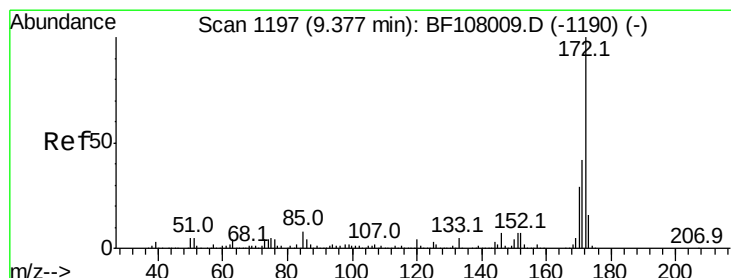
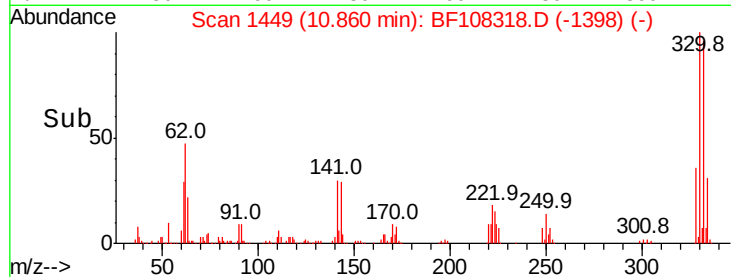
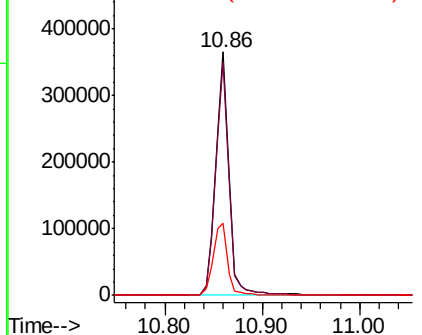


Abundance

Ion 329.80 (329.50 to 330.50): E

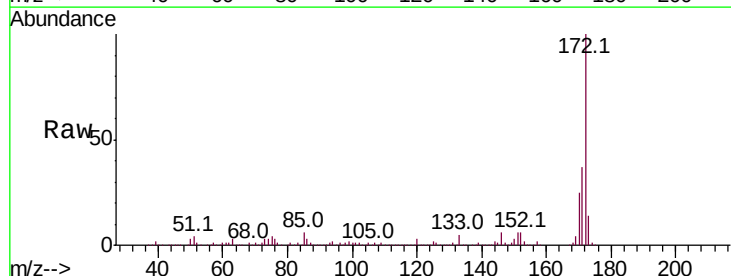
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 125.515 ng  
 RT: 9.38 min Scan# 1197  
 Delta R.T. 0.00 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 29.7  | 44.5  |
| 170     | 25.2  | 19.6  | 29.4  |

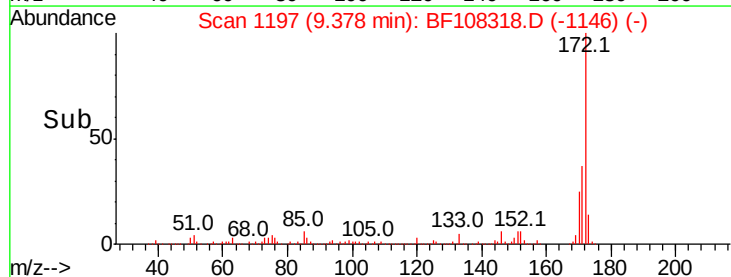
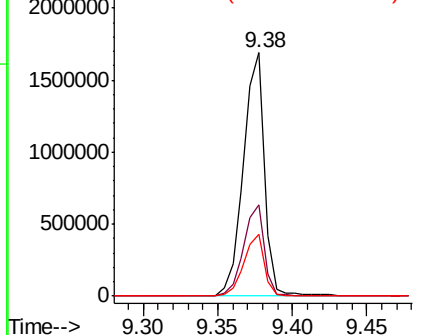


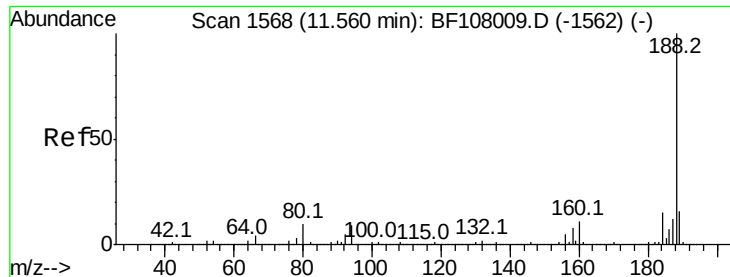
Abundance

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

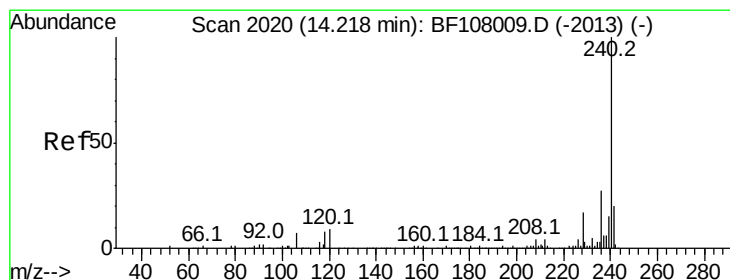
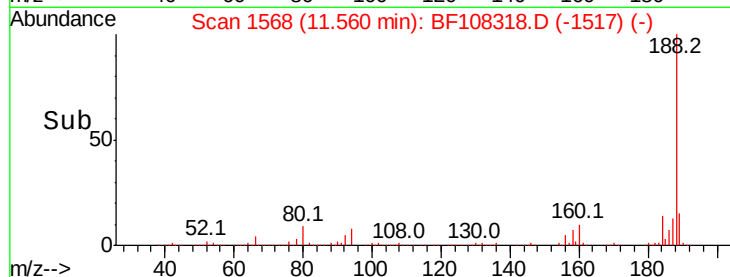
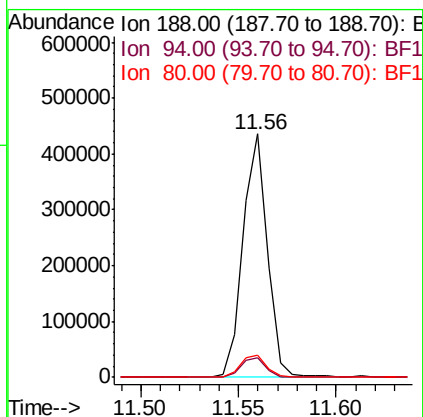
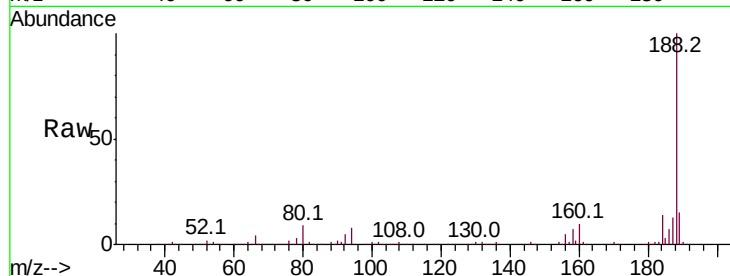




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.56 min Scan# 1568  
 Delta R.T. 0.00 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

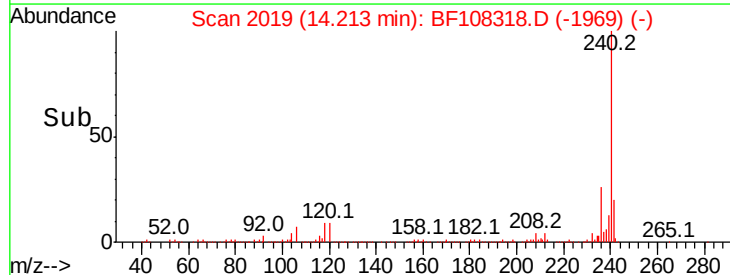
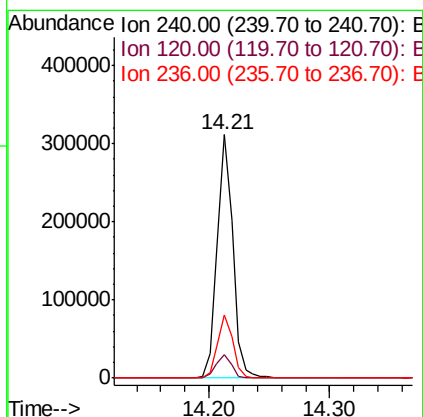
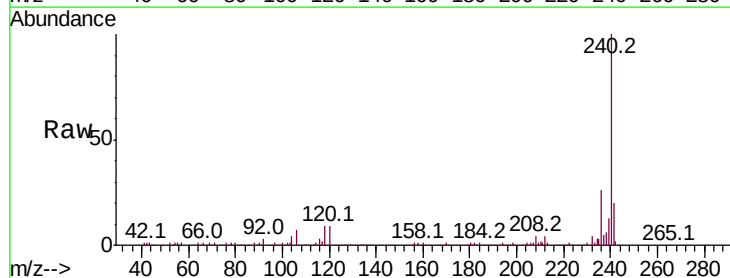
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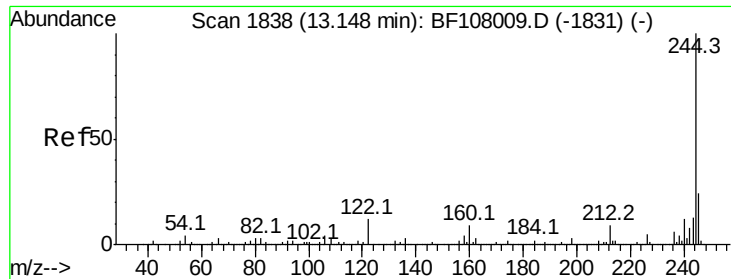
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 8.5   | 12.7# |
| 80      | 9.1   | 9.2   | 13.8# |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.21 min Scan# 2019  
 Delta R.T. -0.01 min  
 Lab File: BF108318.D  
 Acq: 21 Aug 2018 4:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 9.5   | 14.3# |
| 236     | 25.7  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 151.260 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Instrument :

BNA\_F

ClientSampleId :

TP-6

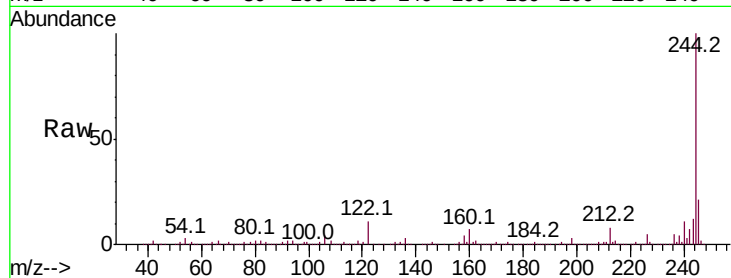
Tot Ion:244 Resp: 1642029

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

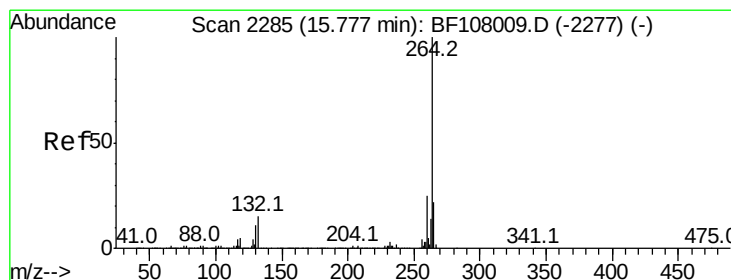
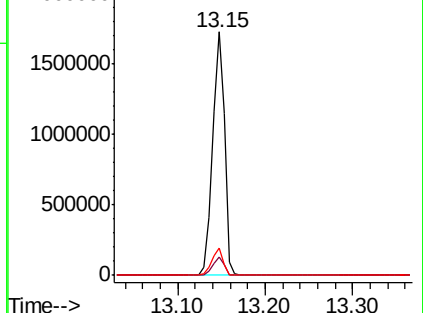
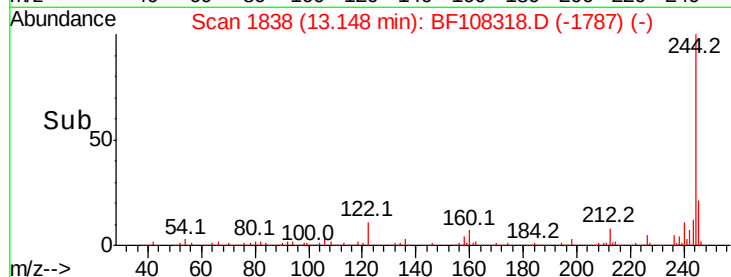
122 11.0 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

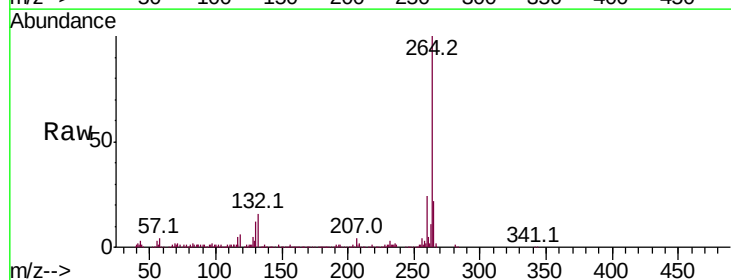
Tgt Ion:264 Resp: 211024

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.9 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

