

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021918\  
 Data File : BN000115.D  
 Acq On : 19 Feb 2018 18:12  
 Operator : JU/SJ  
 Sample : J1573-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-3

Quant Time: Feb 20 07:58:11 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 18:24:45 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.46  | 152  | 461831   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.30 | 136  | 2304278  | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 15.07 | 164  | 1332781  | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.79 | 188  | 2971596  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.90 | 240  | 3161696  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.38 | 264  | 3490489  | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.93  | 112  | 1969291  | 69.49  | ng    | -0.01    |
| 7) Phenol-d6                | 7.58  | 99   | 1792563  | 41.76  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 3640096  | 93.92  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.54 | 330  | 1803769  | 136.73 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.70 | 172  | 7926424  | 83.82  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.35 | 244  | 10730906 | 91.64  | ng    | -0.02    |

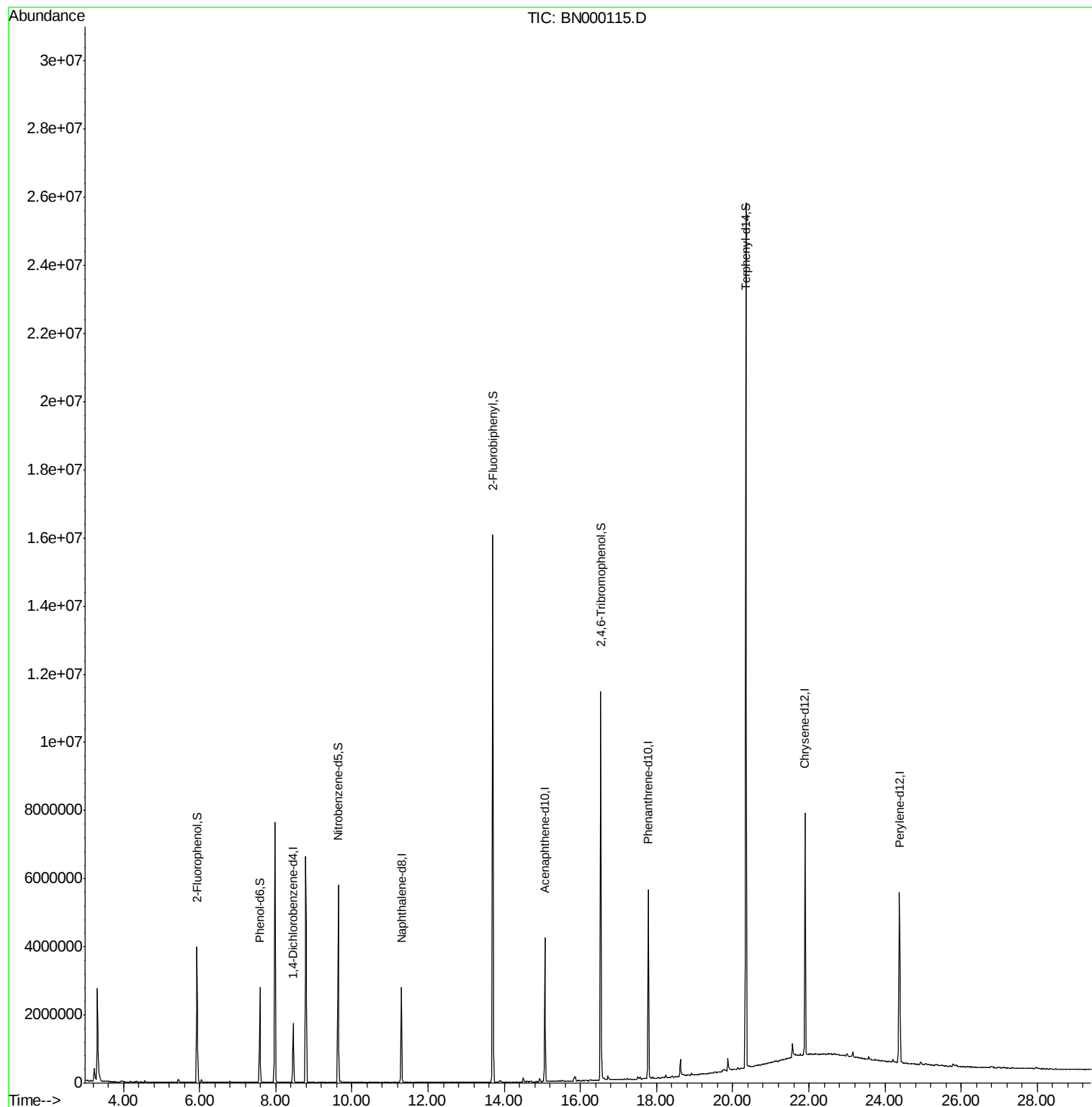
Target Compounds Qvalue

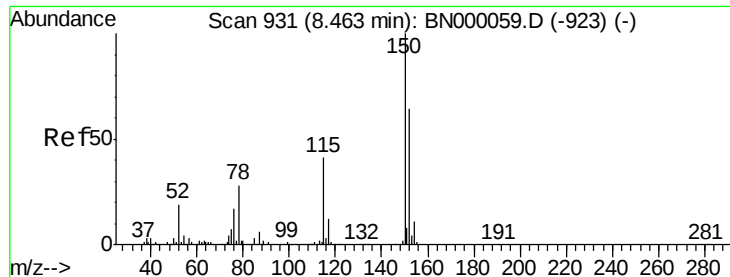
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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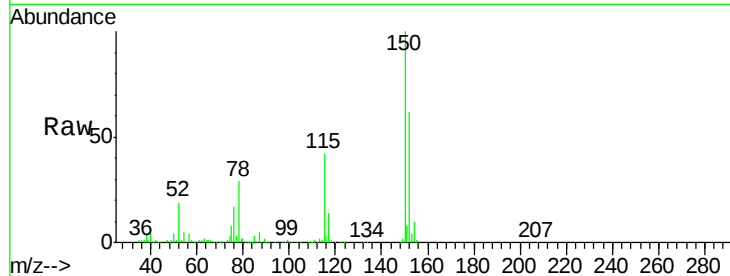


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.46 min Scan# 930  
Delta R.T. -0.01 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

Instrument :  
BNA\_N  
ClientSampleId :  
MW-3

| Tot Ion | 152   | Resp  | 461831 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 161.2 | 126.6 | 189.8  |
| 115     | 67.0  | 53.0  | 79.4   |

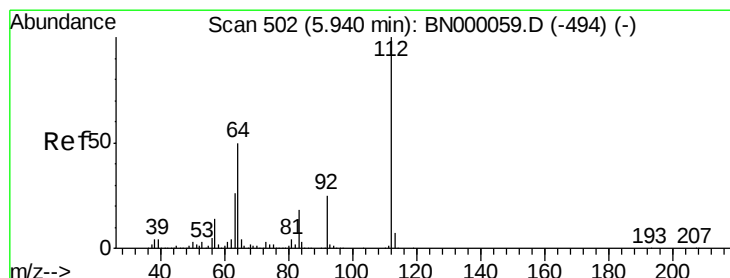
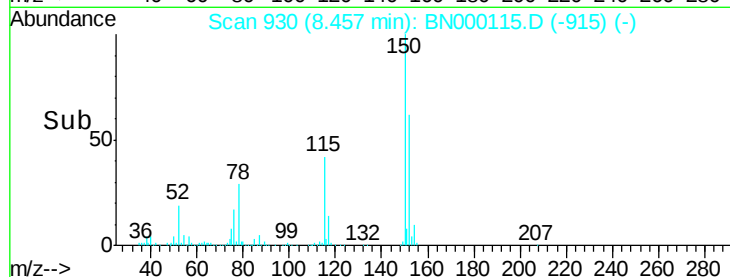
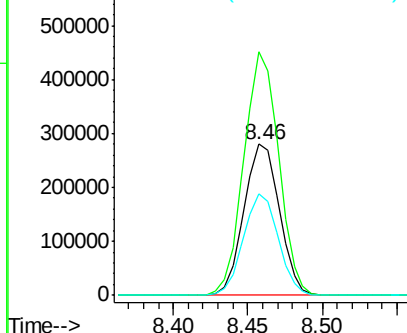


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

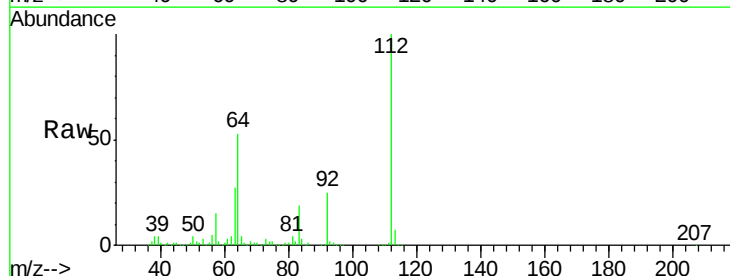
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 69.495 ng  
RT: 5.93 min Scan# 501  
Delta R.T. -0.01 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

| Tgt Ion | 112   | Resp  | 1969291 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 112     | 100   |       |         |
| 64      | 52.8  | 56.3  | 84.5#   |
| 63      | 27.2  | 30.1  | 45.1#   |

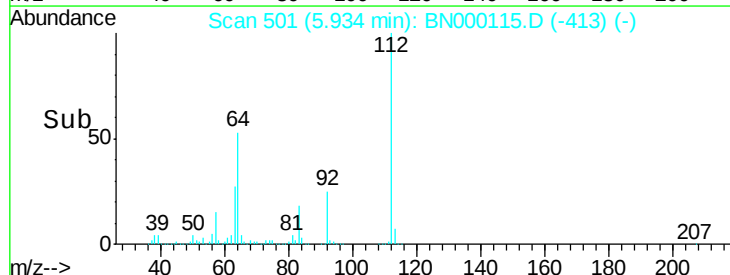
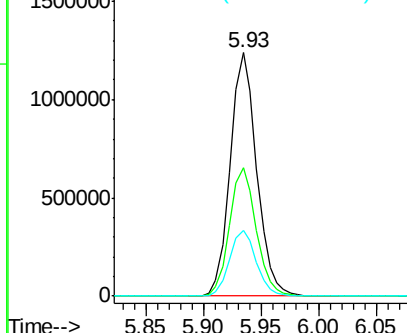


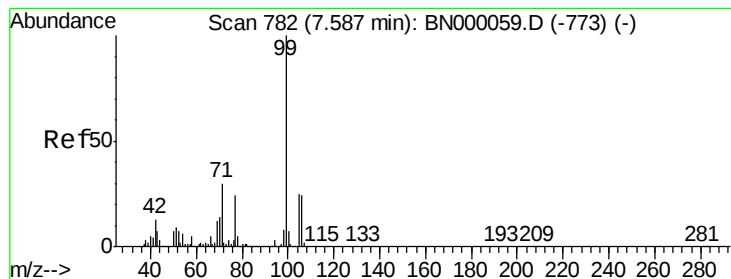
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 41.761 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

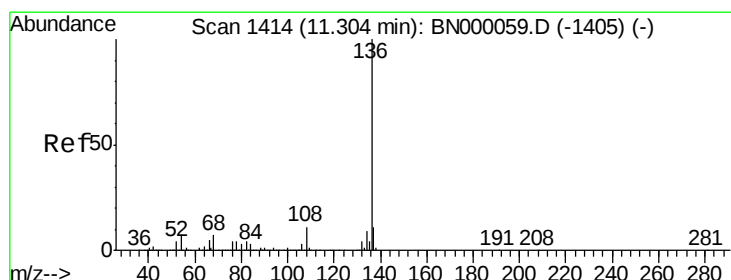
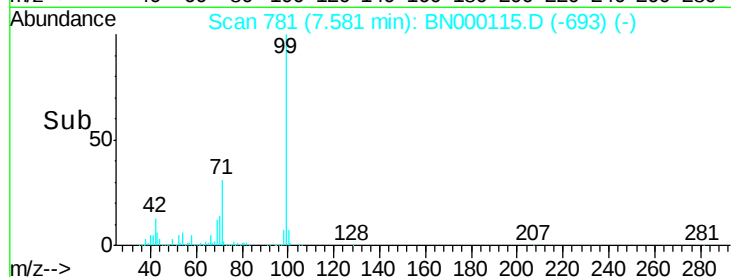
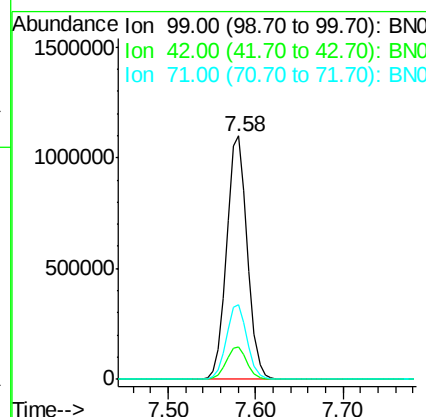
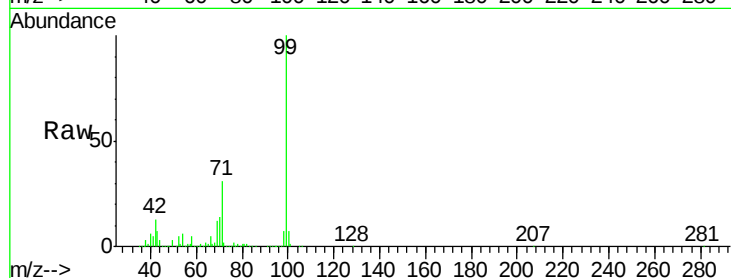
BNA\_N

ClientSampleId :

MW-3

Tot Ion: 99 Resp: 1792563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.4  | 14.1  | 21.1# |
| 71  | 30.6  | 26.1  | 39.1  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1413

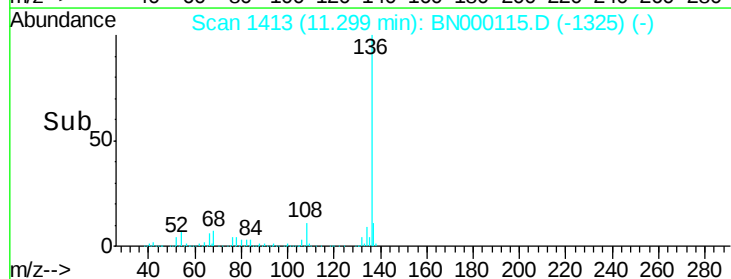
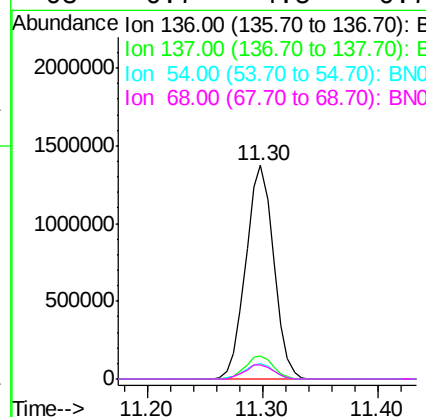
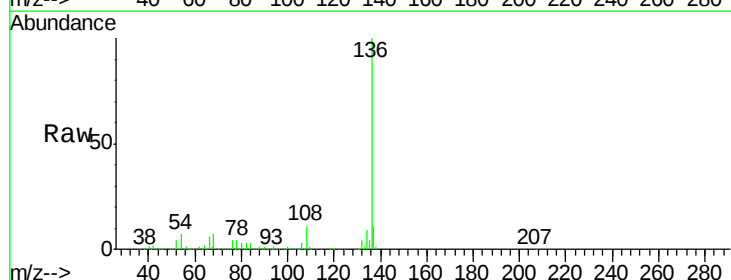
Delta R.T. -0.01 min

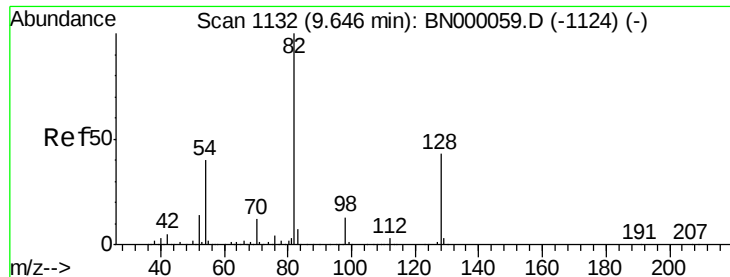
Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Tgt Ion: 136 Resp: 2304278

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 9.2   | 13.8  |
| 54  | 7.3   | 10.3  | 15.5# |
| 68  | 6.7   | 4.5   | 6.7   |

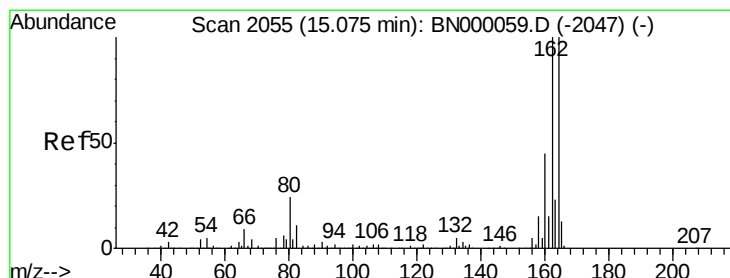
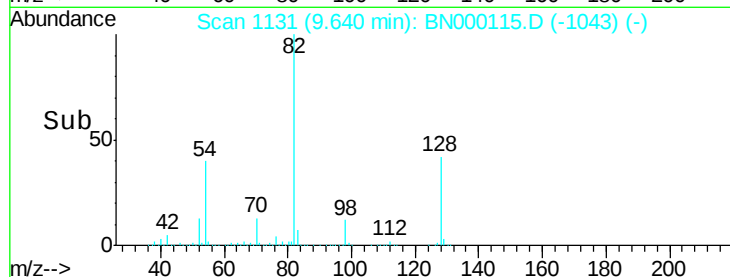
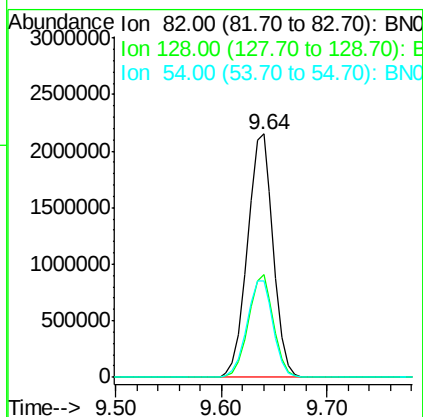
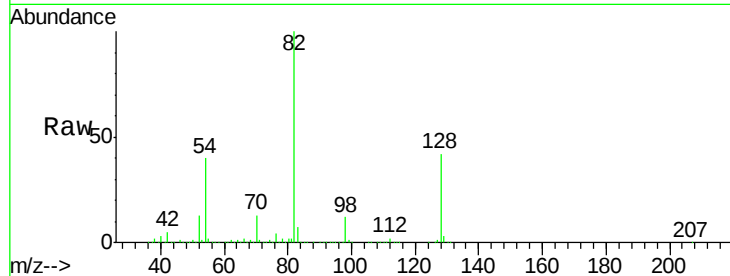




#23  
Nitrobenzene-d5  
Concen: 93.923 ng  
RT: 9.64 min Scan# 1131  
Delta R.T. -0.01 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

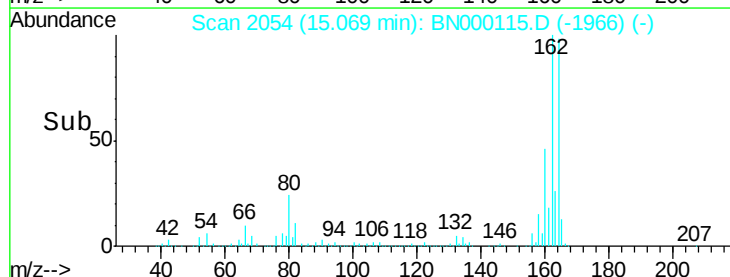
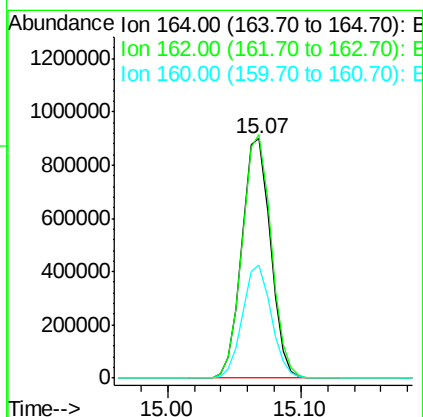
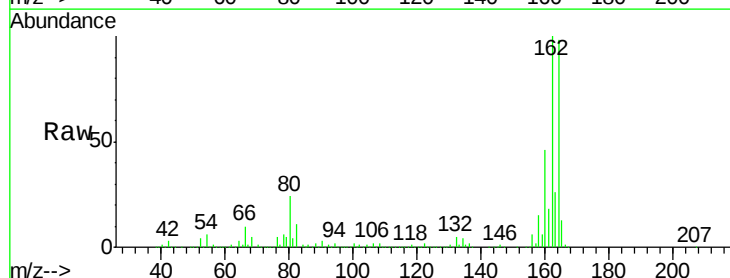
Instrument :  
BNA\_N  
ClientSampled :  
MW-3

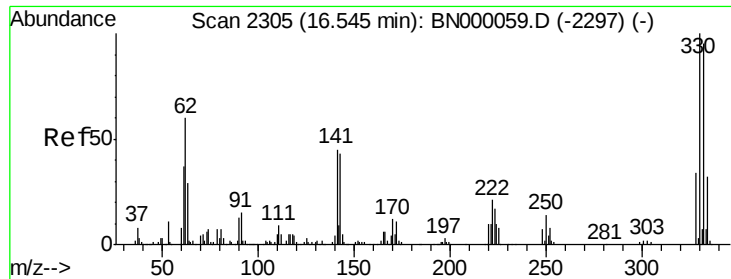
Tot Ion: 82 Resp: 3640096  
Ion Ratio Lower Upper  
82 100  
128 42.0 29.7 44.5  
54 39.8 43.1 64.7#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.07 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

Tgt Ion:164 Resp: 1332781  
Ion Ratio Lower Upper  
164 100  
162 101.8 78.8 118.2  
160 47.0 35.4 53.0

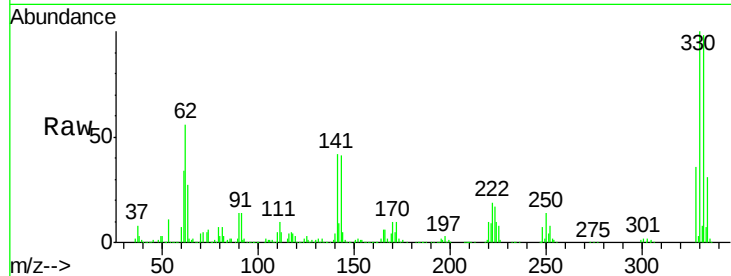




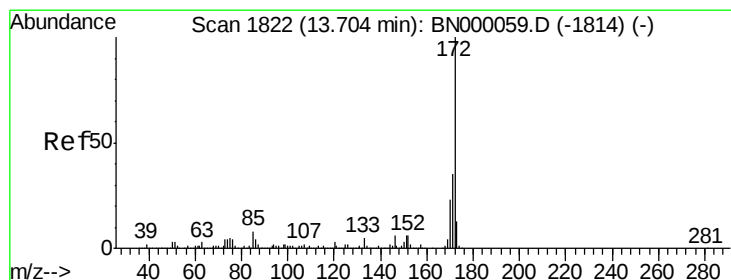
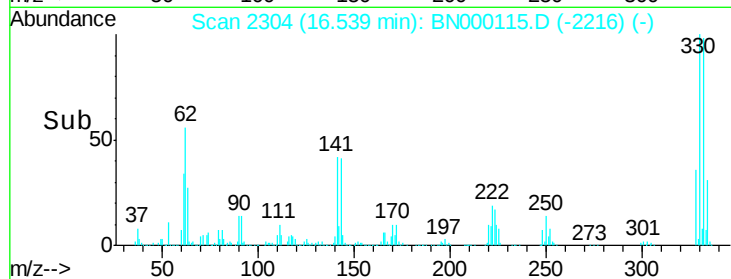
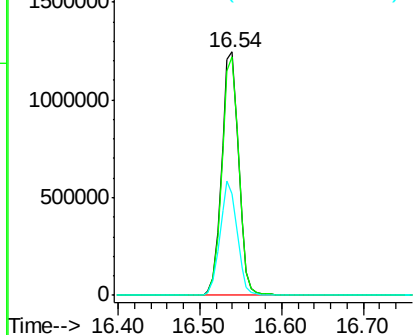
#41  
 2,4,6-Tribromophenol  
 Concen: 136.727 ng  
 RT: 16.54 min Scan# 2304  
 Delta R.T. -0.01 min  
 Lab File: BN000115.D  
 Acq: 19 Feb 2018 18:12

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-3

Tot Ion:330 Resp: 1803769  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.0 115.6  
 141 46.9 25.2 37.8#

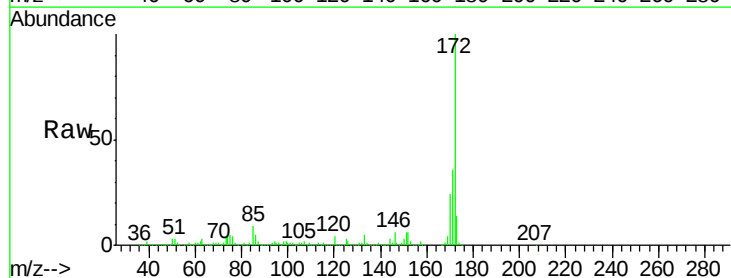


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

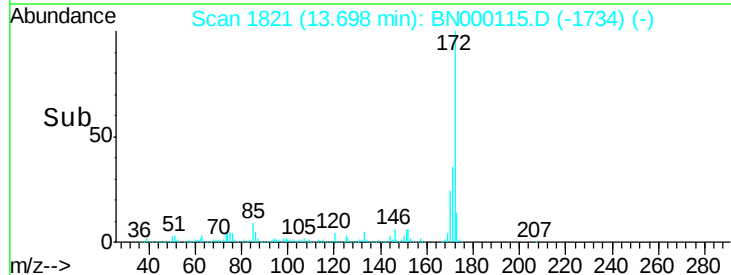
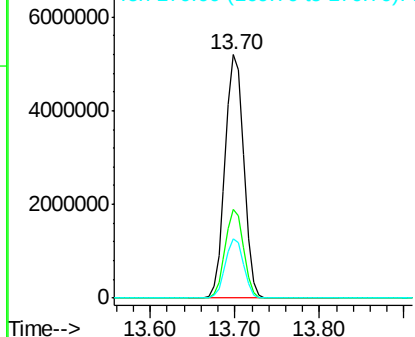


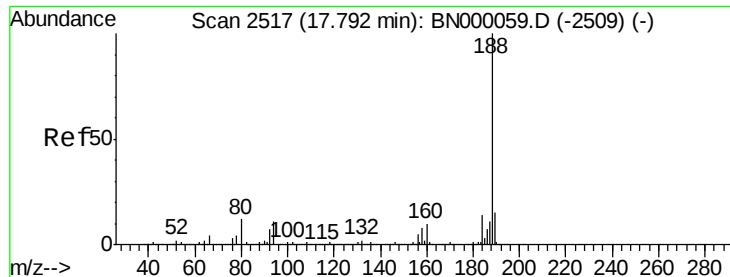
#44  
 2-Fluorobiphenyl  
 Concen: 83.822 ng  
 RT: 13.70 min Scan# 1821  
 Delta R.T. -0.02 min  
 Lab File: BN000115.D  
 Acq: 19 Feb 2018 18:12

Tgt Ion:172 Resp: 7926424  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 30.0 45.0  
 170 24.5 19.5 29.3



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

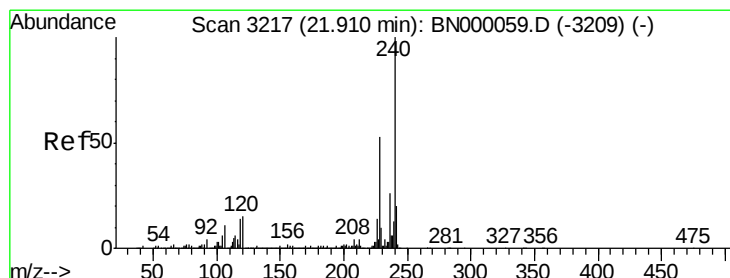
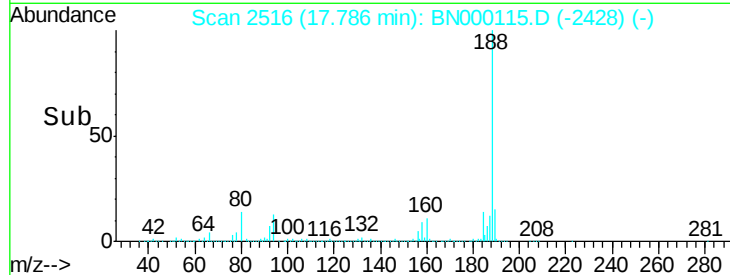
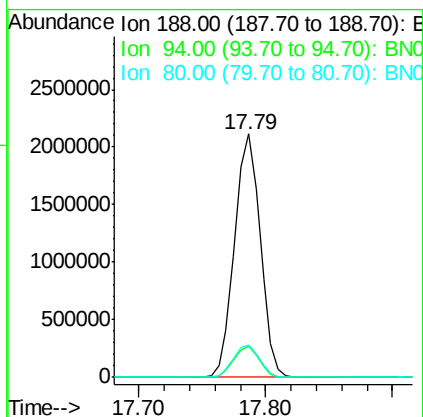
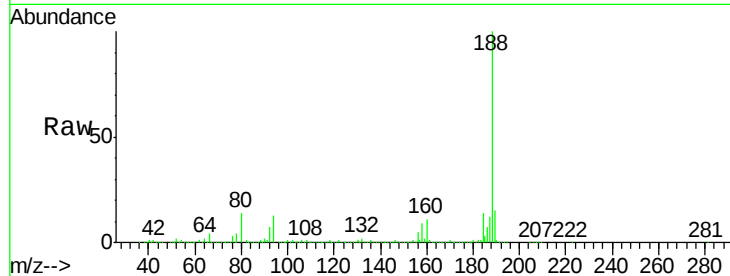




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.79 min Scan# 2516  
Delta R.T. -0.01 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

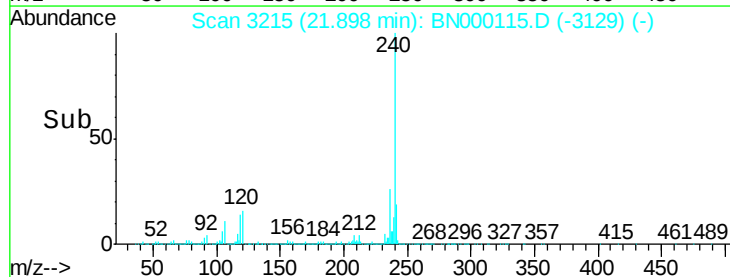
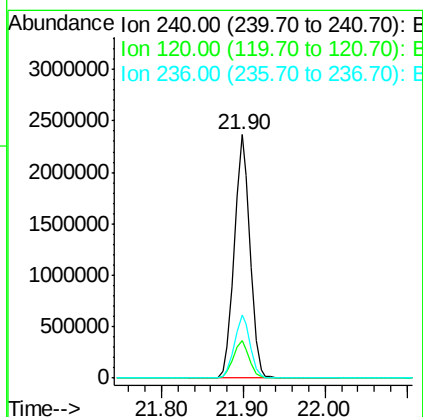
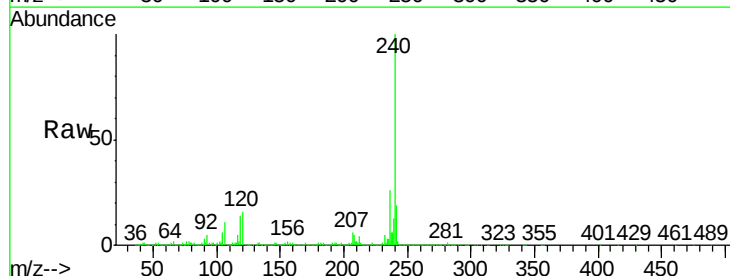
Instrument :  
BNA\_N  
ClientSampled :  
MW-3

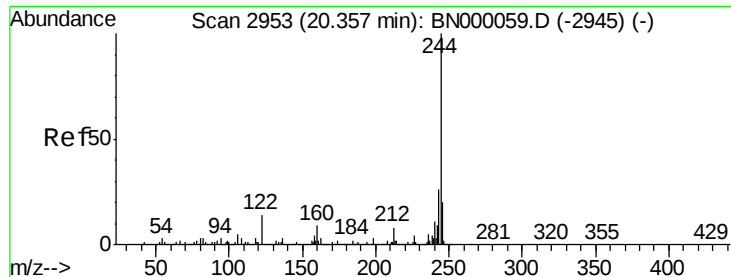
Tot Ion:188 Resp: 2971596  
Ion Ratio Lower Upper  
188 100  
94 12.6 6.9 10.3#  
80 13.6 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.90 min Scan# 3215  
Delta R.T. -0.02 min  
Lab File: BN000115.D  
Acq: 19 Feb 2018 18:12

Tgt Ion:240 Resp: 3161696  
Ion Ratio Lower Upper  
240 100  
120 15.6 6.8 10.2#  
236 26.1 20.9 31.3





#78

Terphenyl-d14

Concen: 91.644 ng

RT: 20.35 min Scan# 2951

Delta R.T. -0.02 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

Instrument :

BNA\_N

ClientSampled :

MW-3

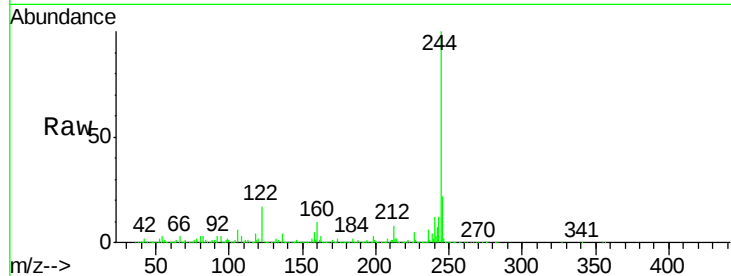
Tot Ion:244 Resp:10730906

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

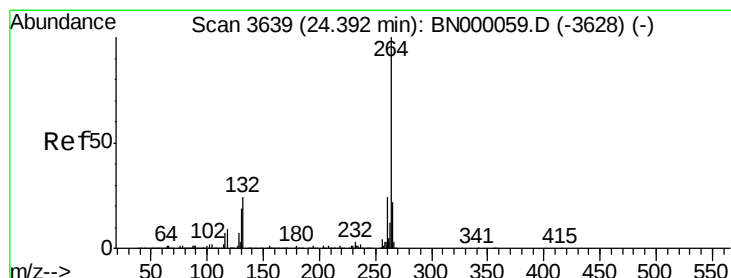
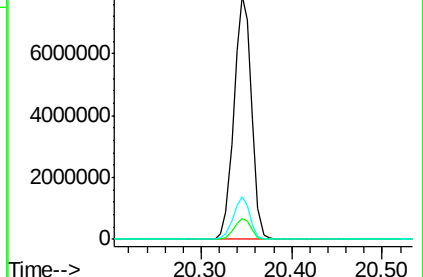
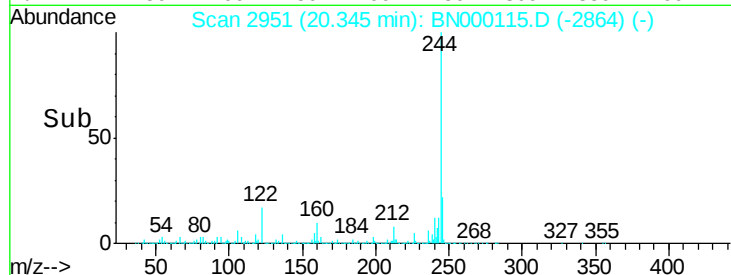
122 17.3 7.0 10.4#



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: 24.38 min Scan# 3637

Delta R.T. -0.04 min

Lab File: BN000115.D

Acq: 19 Feb 2018 18:12

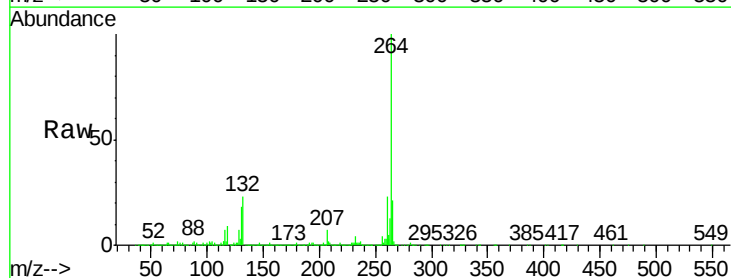
Tgt Ion:264 Resp: 3490489

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.2 17.7 26.5



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

