

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071417\  
 Data File : BF096789.D  
 Acq On : 14 Jul 2017 23:27  
 Operator : SJ/JU  
 Sample : I4185-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HDD-PILWC1

Quant Time: Jul 15 01:32:04 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

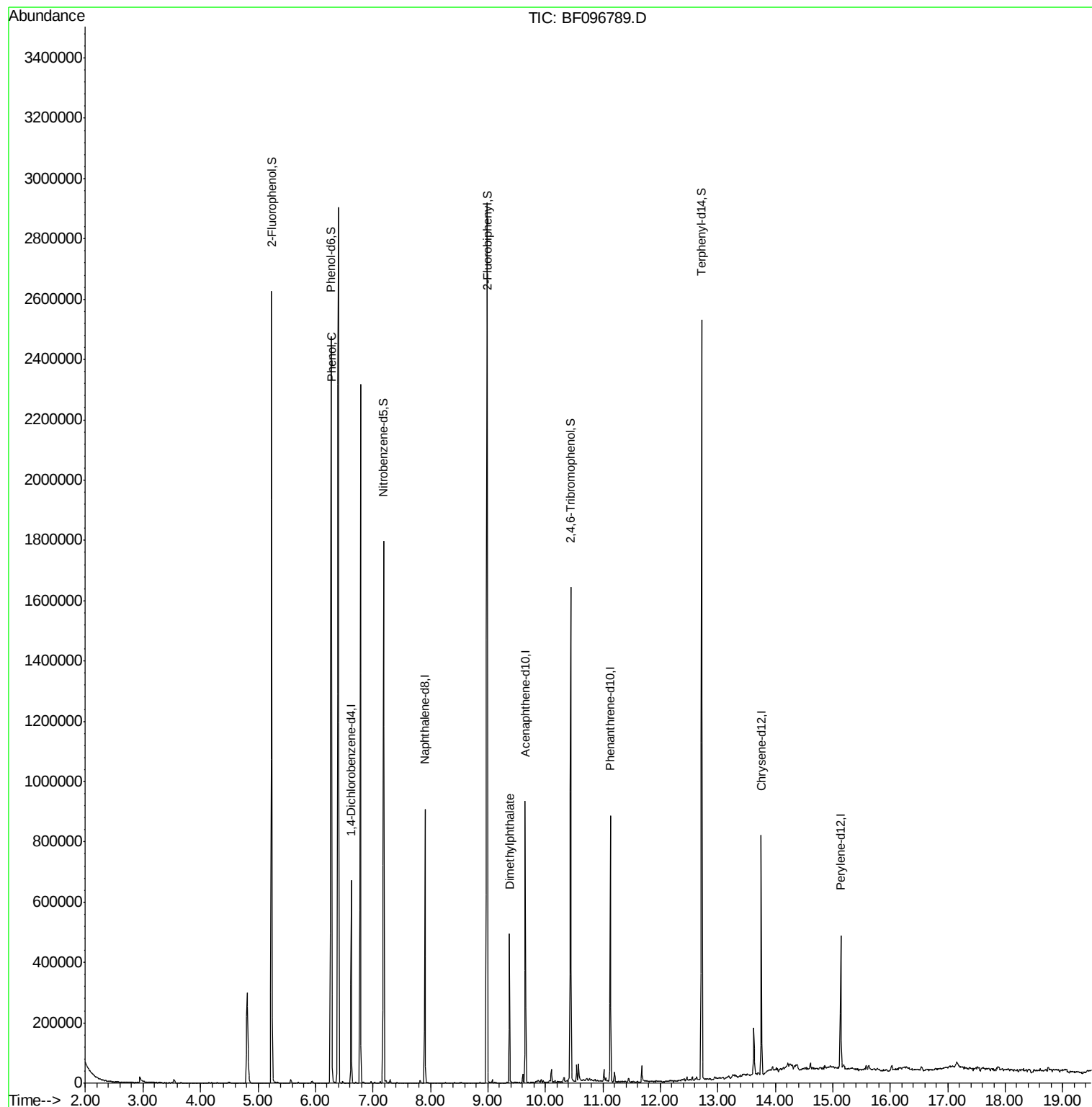
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 93036    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.90  | 136  | 392298   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.65  | 164  | 198697   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.13 | 188  | 318151   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.76 | 240  | 250227   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.14 | 264  | 181415   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 829419   | 134.04 | ng    | 0.00     |
| 7) Phenol-d6                | 6.27  | 99   | 1014358  | 136.61 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 598054   | 94.43  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.45 | 330  | 213661   | 125.98 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.99  | 172  | 1049928  | 83.48  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.72 | 244  | 831534   | 57.63  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.29  | 94   | 36782    | 4.382  | ng    | 93       |
| 49) Dimethylphthalate       | 9.38  | 163  | 208579   | 13.941 | ng    | 97       |

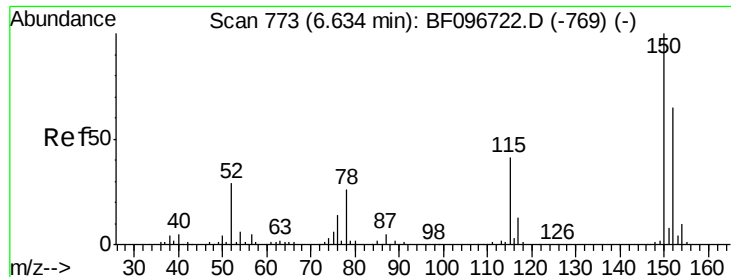
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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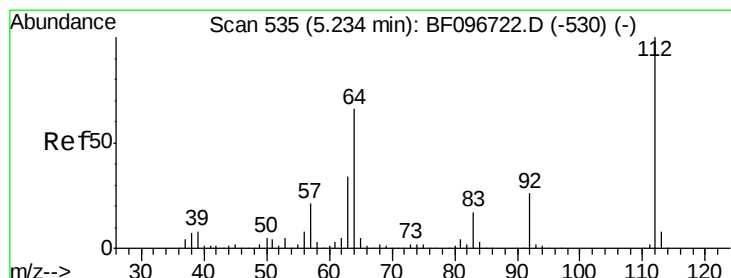
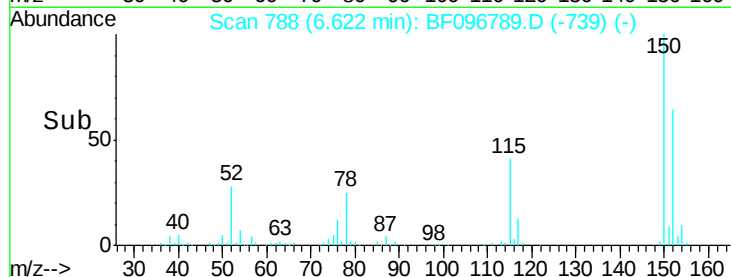
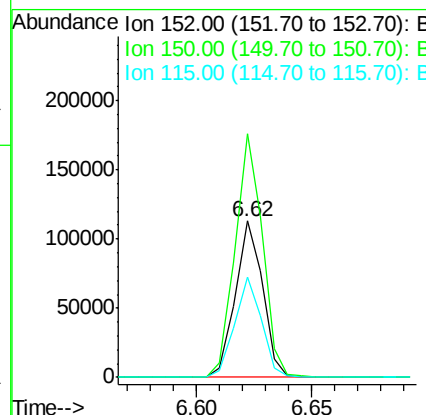
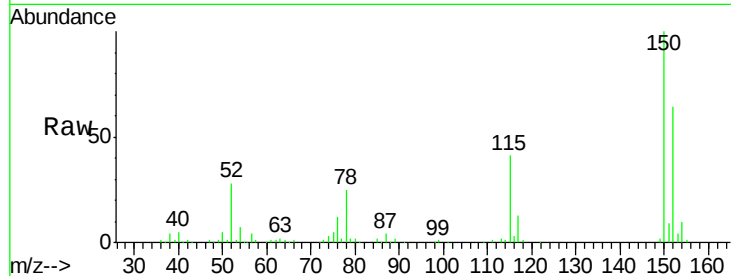




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.62 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

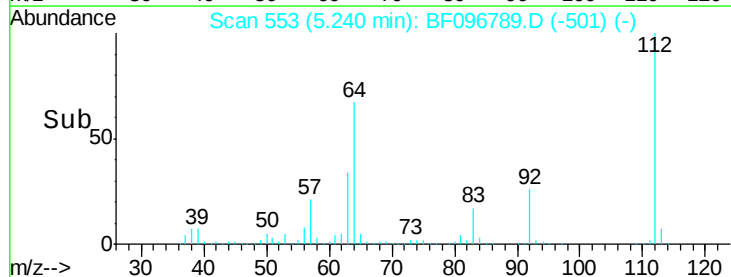
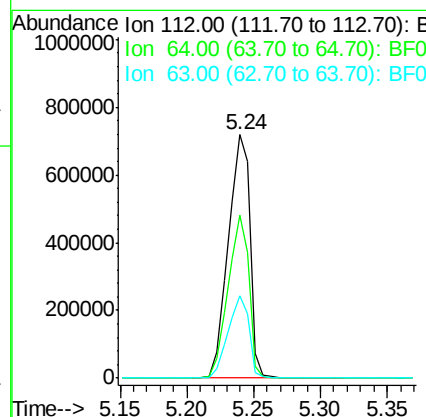
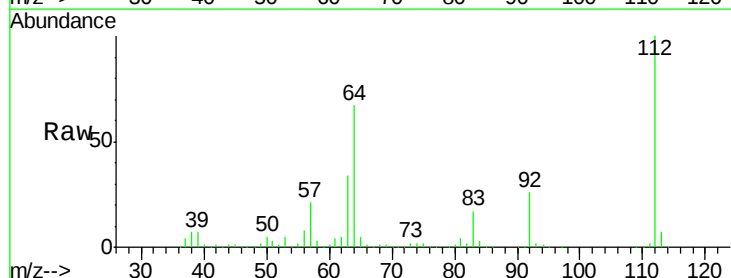
Instrument :  
 BNA\_F  
 ClientSampleId :  
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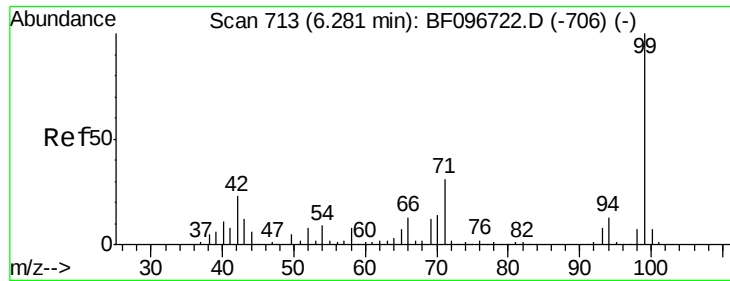
Tgt Ion:152 Resp: 93036  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 126.2 189.2  
 115 64.3 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 134.045 ng  
 RT: 5.24 min Scan# 553  
 Delta R.T. 0.01 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

Tgt Ion:112 Resp: 829419  
 Ion Ratio Lower Upper  
 112 100  
 64 66.7 46.0 69.0  
 63 33.6 23.4 35.0





#7

Phenol-d6

Concen: 136.608 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096789.D

Acq: 14 Jul 2017 23:27

Instrument :

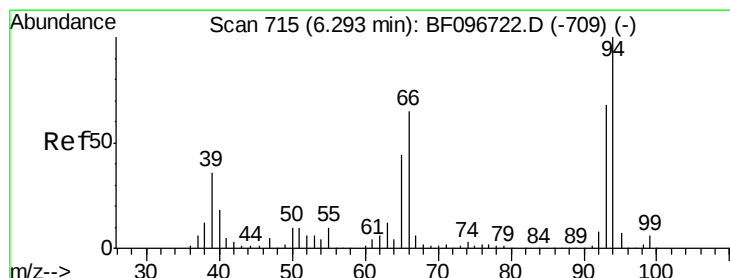
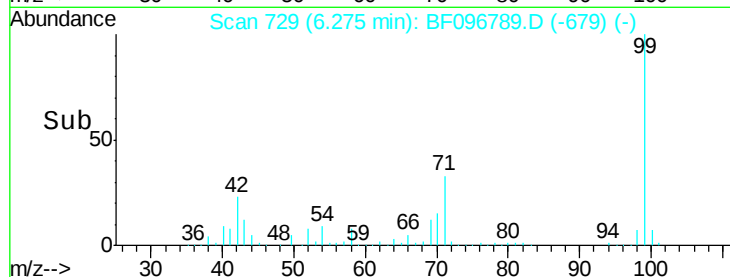
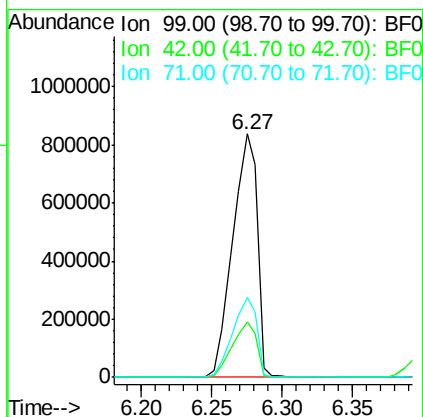
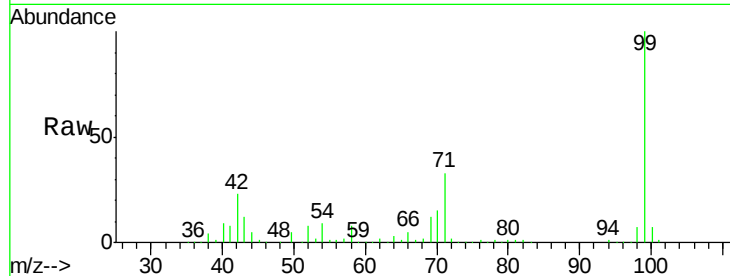
BNA\_F

ClientSampleId :

HDD-PILWC1

Tgt Ion: 99 Resp: 1014358

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.7  | 13.5  | 20.3# |
| 71  | 32.7  | 24.5  | 36.7  |



#10

Phenol

Concen: 4.382 ng

RT: 6.29 min Scan# 731

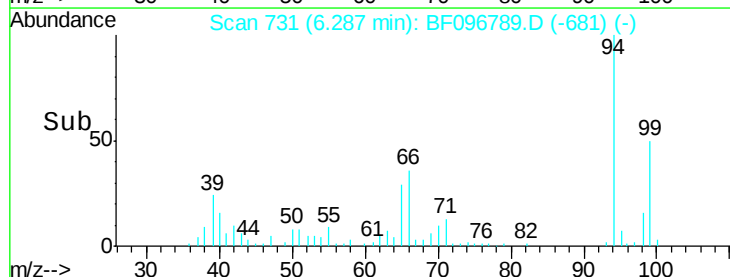
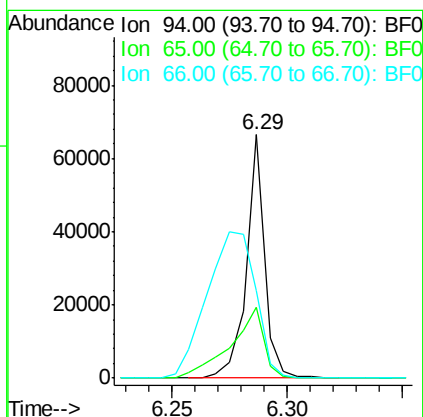
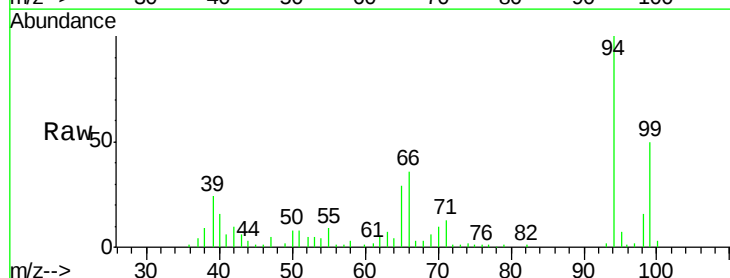
Delta R.T. -0.01 min

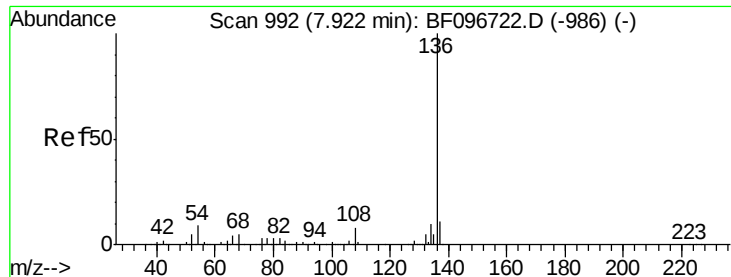
Lab File: BF096789.D

Acq: 14 Jul 2017 23:27

Tgt Ion: 94 Resp: 36782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 29.0  | 9.9   | 49.9  |
| 66  | 36.2  | 23.1  | 63.1  |

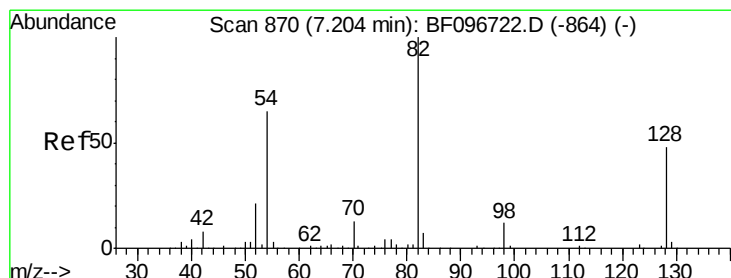
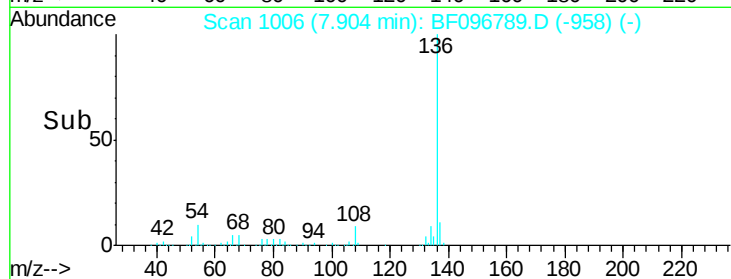
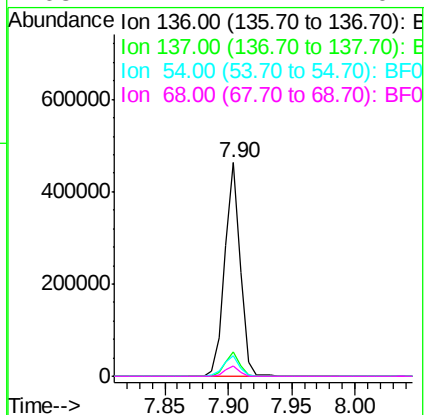
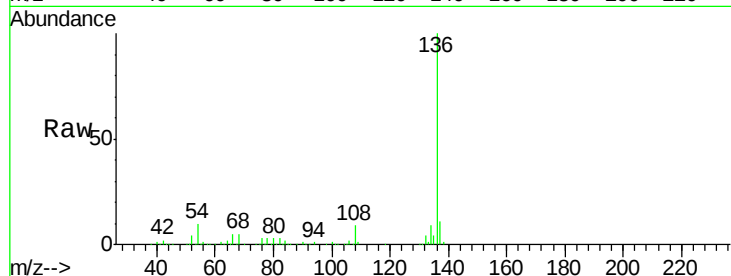




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.90 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BF096789.D  
Acq: 14 Jul 2017 23:27

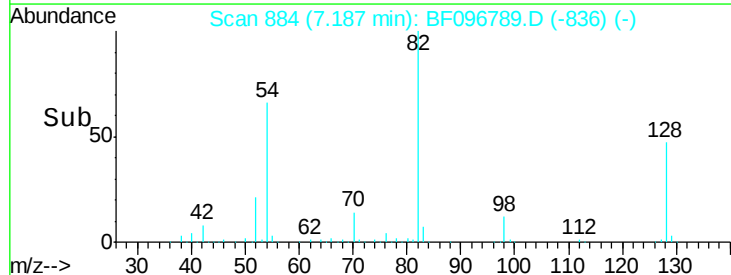
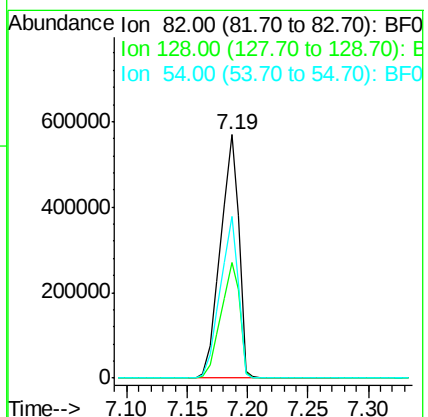
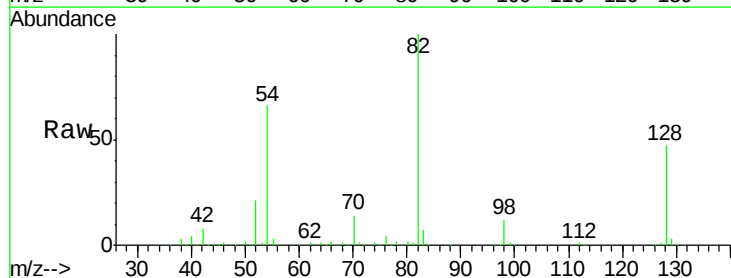
Instrument :  
BNA\_F  
ClientSampleId :  
HDD-PILWC1

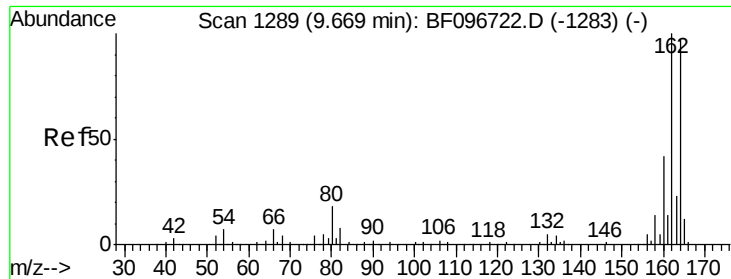
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 392298 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.5   | 12.7   |
| 54       | 9.7   | 4.9   | 7.3#   |
| 68       | 4.7   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 94.428 ng  
RT: 7.19 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF096789.D  
Acq: 14 Jul 2017 23:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 598054 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.2  | 34.0  | 51.0   |
| 54       | 66.3  | 42.2  | 63.2#  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096789.D

Acq: 14 Jul 2017 23:27

Instrument :

BNA\_F

ClientSampleId :

HDD-PILWC1

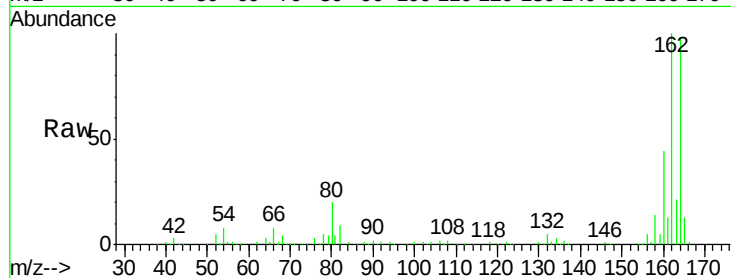
Tgt Ion:164 Resp: 198697

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

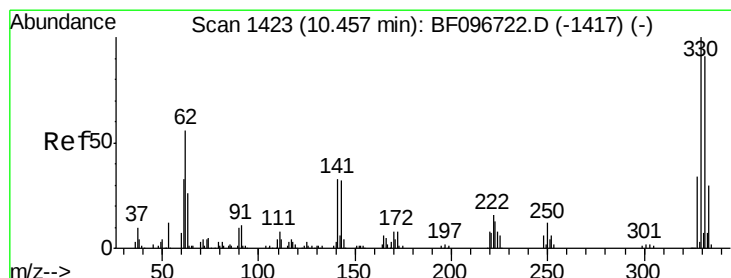
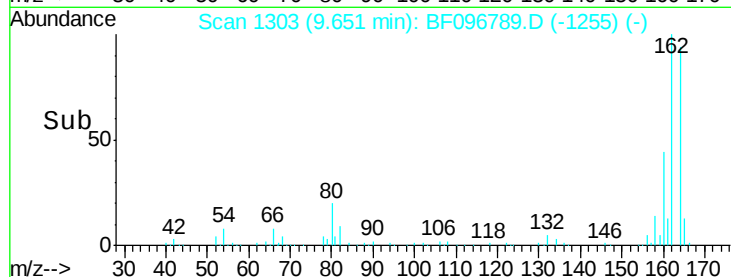
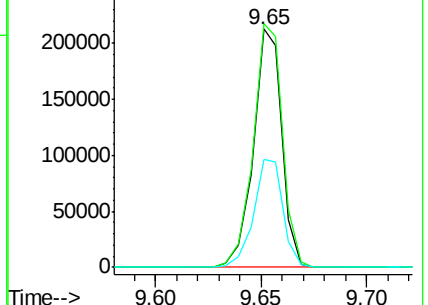
160 45.1 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 125.976 ng

RT: 10.45 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF096789.D

Acq: 14 Jul 2017 23:27

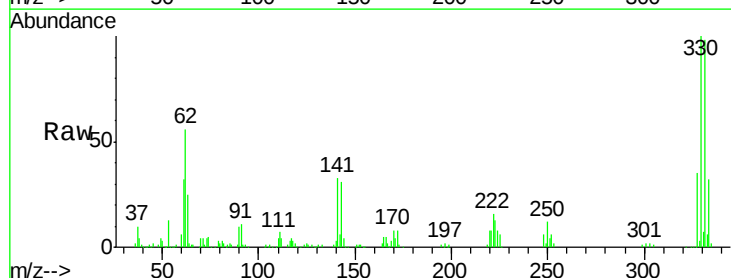
Tgt Ion:330 Resp: 213661

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

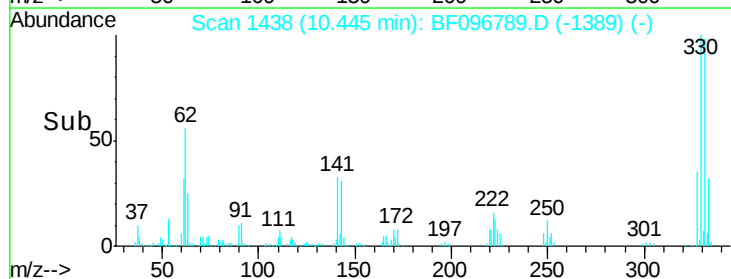
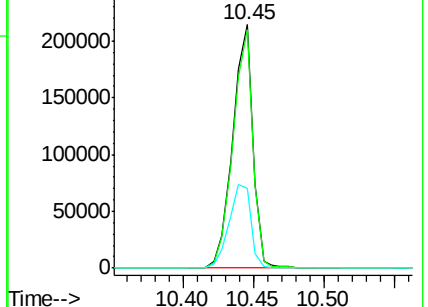
141 37.2 31.4 47.2

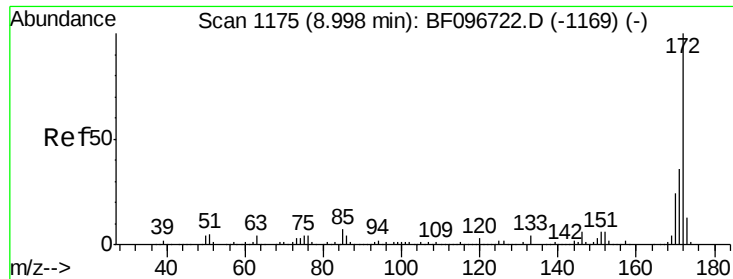


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

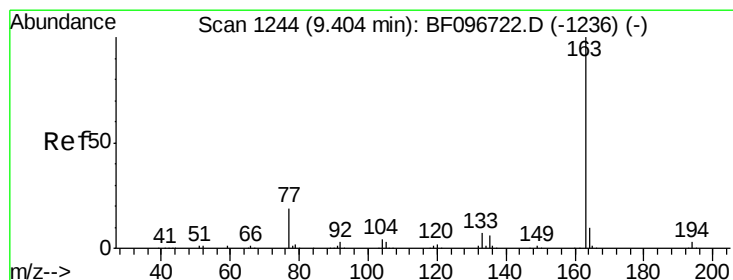
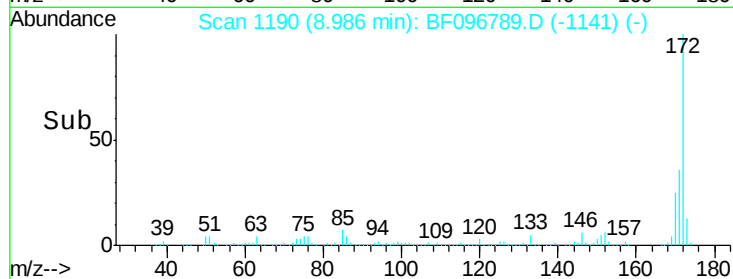
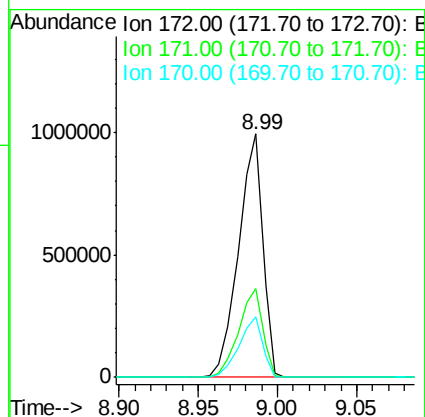
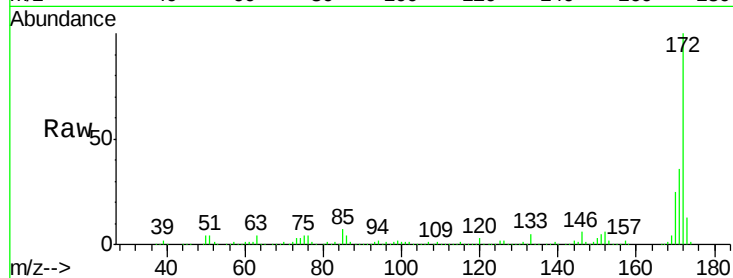




#44  
 2-Fluorobiphenyl  
 Concen: 83.484 ng  
 RT: 8.99 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

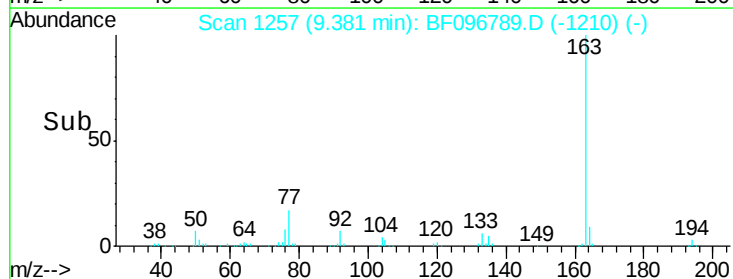
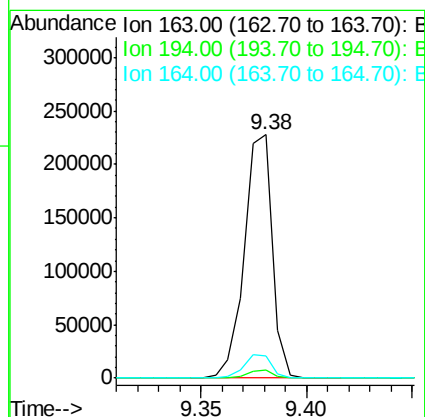
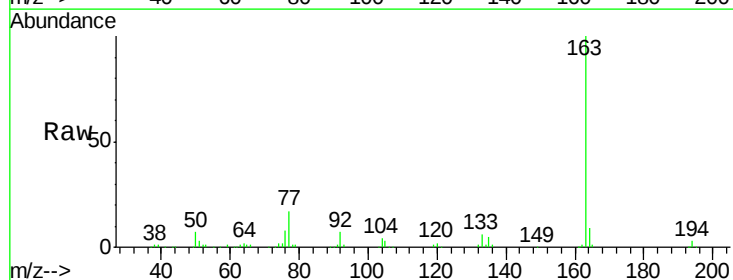
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 HDD-PILWC1

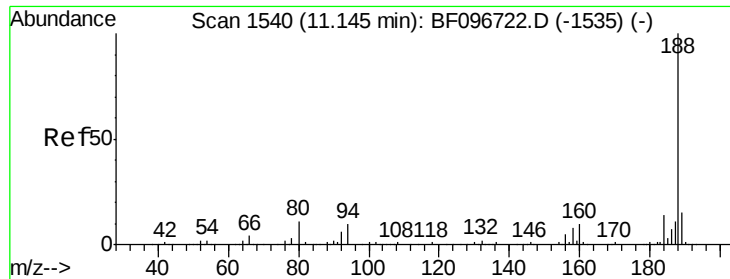
Tgt Ion:172 Resp: 1049928  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.6 44.4  
 170 24.7 19.8 29.8



#49  
 Dimethylphthalate  
 Concen: 13.941 ng  
 RT: 9.38 min Scan# 1257  
 Delta R.T. -0.02 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

Tgt Ion:163 Resp: 208579  
 Ion Ratio Lower Upper  
 163 100  
 194 3.2 2.6 4.0  
 164 8.9 8.4 12.6

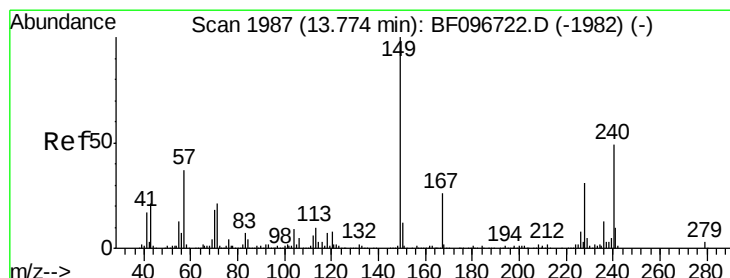
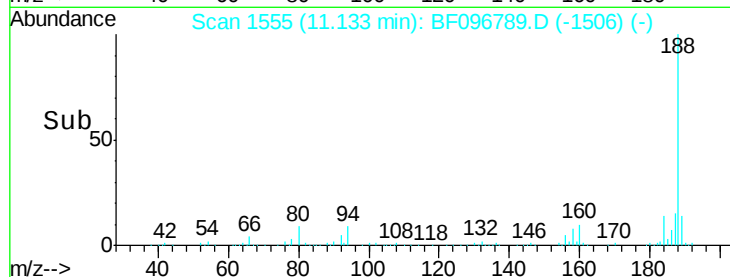
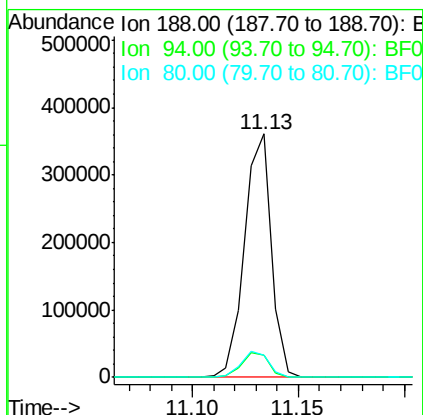
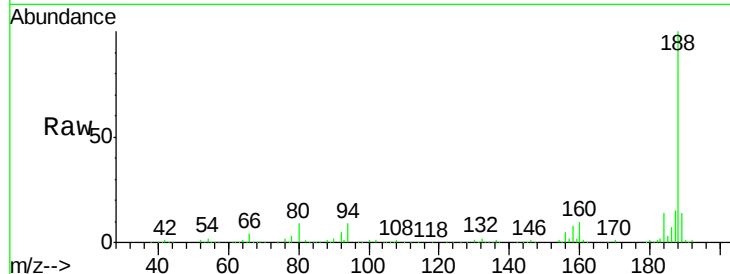




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.13 min Scan# 1555  
Delta R.T. -0.01 min  
Lab File: BF096789.D  
Acq: 14 Jul 2017 23:27

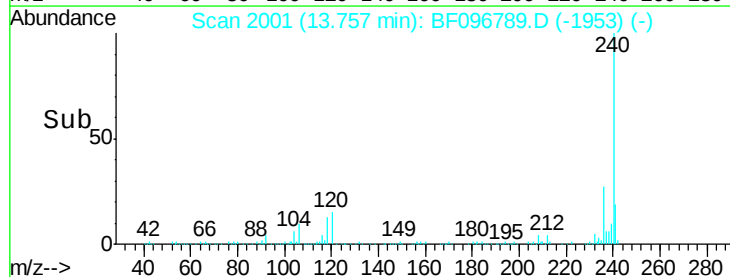
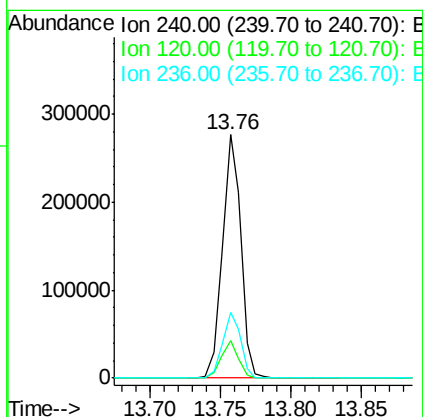
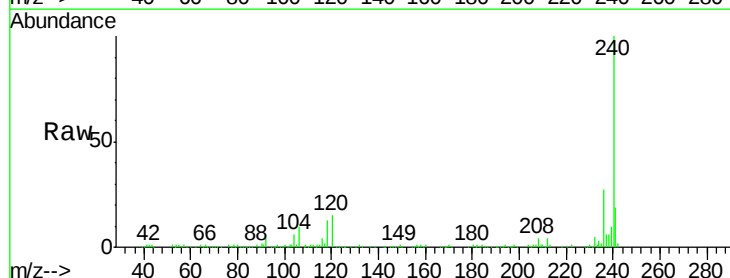
Instrument :  
BNA\_F  
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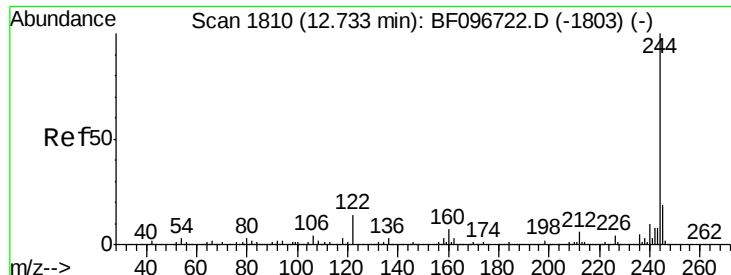
Tgt Ion:188 Resp: 318151  
Ion Ratio Lower Upper  
188 100  
94 9.1 9.4 14.2#  
80 9.3 10.2 15.2#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.76 min Scan# 2001  
Delta R.T. -0.02 min  
Lab File: BF096789.D  
Acq: 14 Jul 2017 23:27

Tgt Ion:240 Resp: 250227  
Ion Ratio Lower Upper  
240 100  
120 15.3 5.8 8.8#  
236 27.0 20.5 30.7

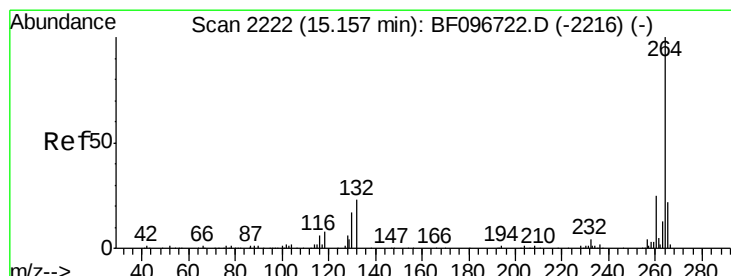
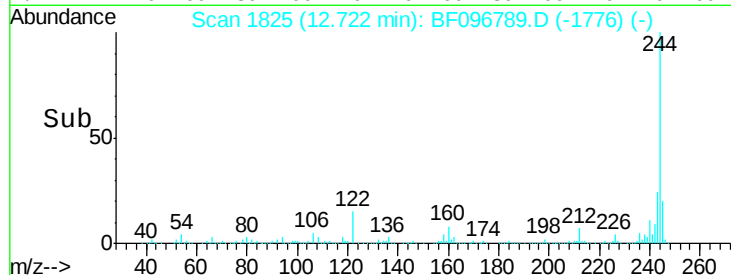
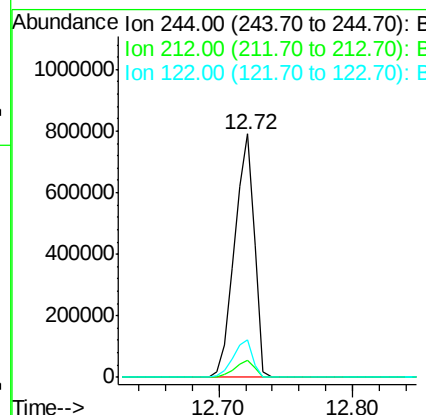
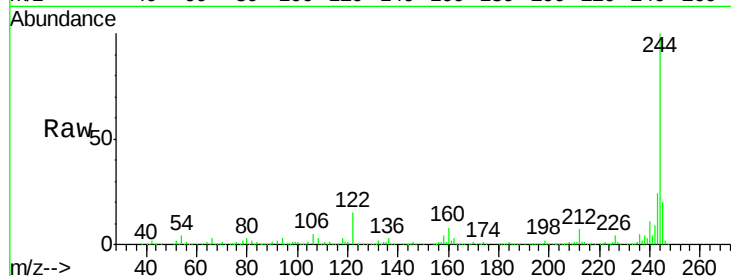




#78  
 Terphenyl-d14  
 Concen: 57.632 ng  
 RT: 12.72 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HDD-PILWC1

Tgt Ion:244 Resp: 831534  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 15.3 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 2236  
 Delta R.T. -0.02 min  
 Lab File: BF096789.D  
 Acq: 14 Jul 2017 23:27

Tgt Ion:264 Resp: 181415  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 22.0 17.2 25.8

