

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\  
 Data File : BF089888.D  
 Acq On : 24 Aug 2016 21:20  
 Operator : UM/SJ  
 Sample : H4577-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB01-081816

Quant Time: Aug 25 16:15:33 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 19 14:02:57 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 415796   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.95  | 136  | 1786204  | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.70  | 164  | 825437   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.18 | 188  | 1408091  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.82 | 240  | 1096208  | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 15.26 | 264  | 861878   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 1527728  | 63.01  | ng    | -0.02    |
| 7) Phenol-d6                | 6.30  | 99   | 1187660  | 39.90  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 2252741  | 78.35  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 922641   | 117.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.04  | 172  | 4283714  | 91.21  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.78 | 244  | 3966167  | 81.85  | ng    | -0.01    |

Target Compounds Qvalue

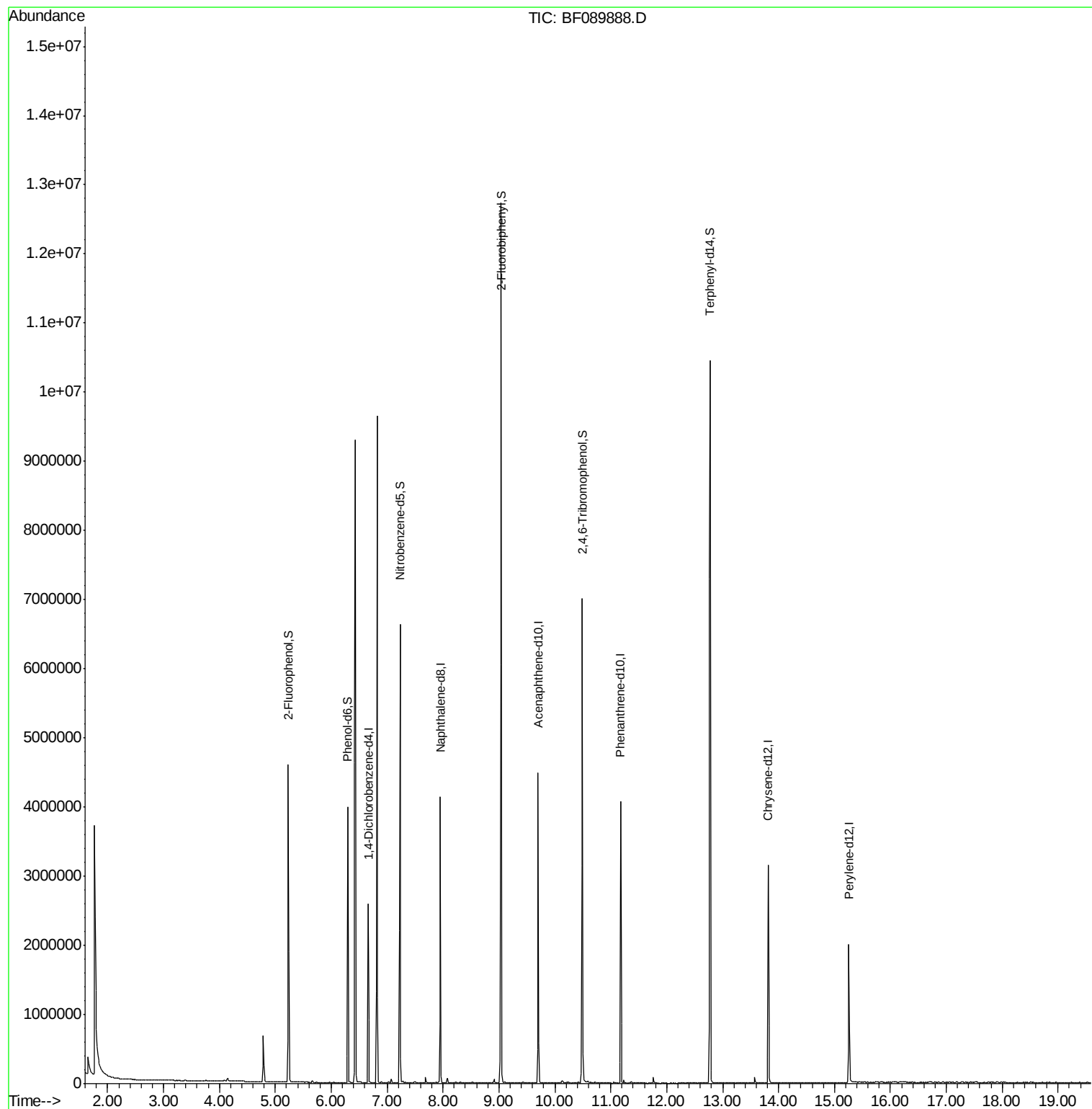
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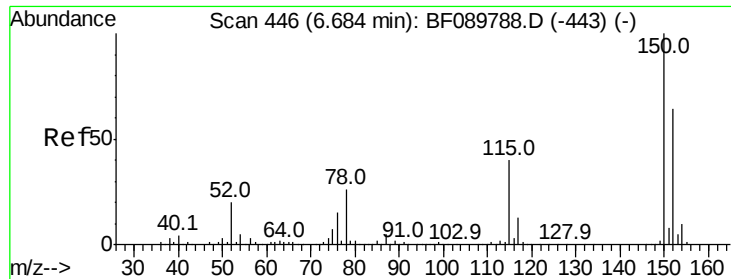
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA\_F

ClientSampleId :

FB01-081816

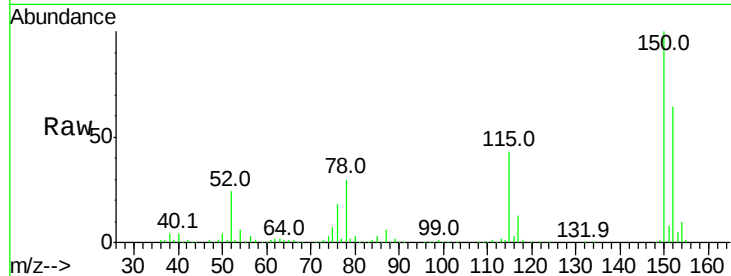
Tot Ion:152 Resp: 415796

Ion Ratio Lower Upper

152 100

150 156.5 125.3 187.9

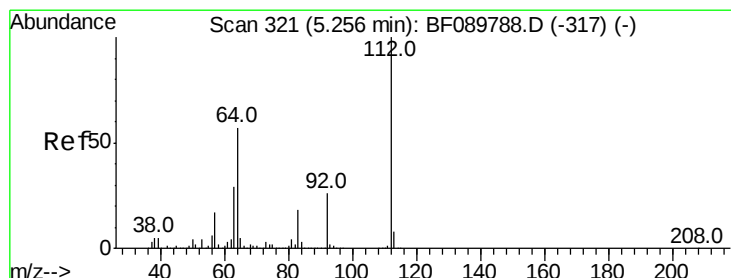
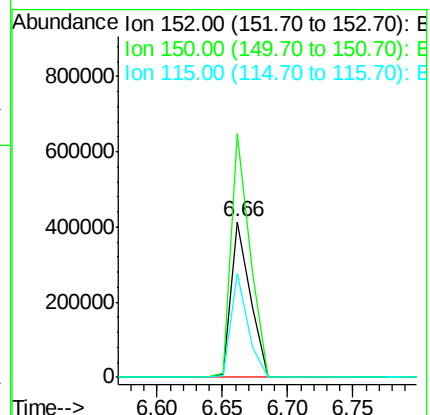
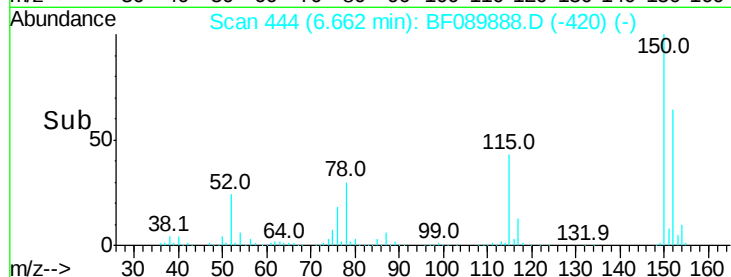
115 66.7 40.9 61.3#



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: 63.01 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

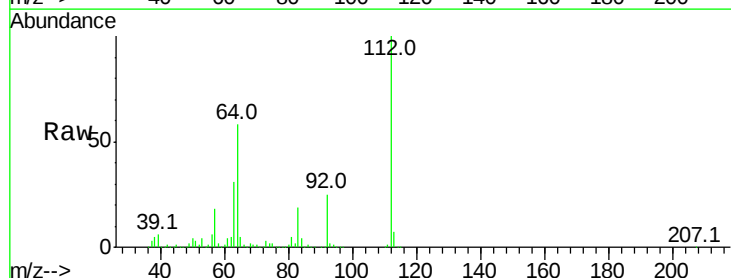
Tgt Ion:112 Resp: 1527728

Ion Ratio Lower Upper

112 100

64 58.4 45.0 67.4

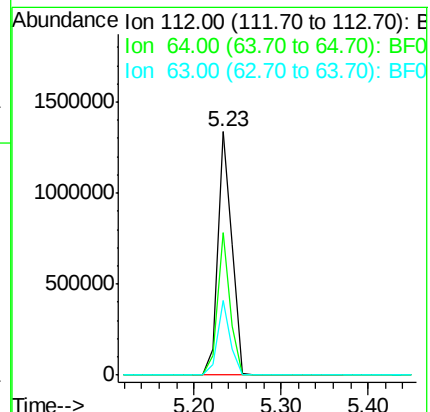
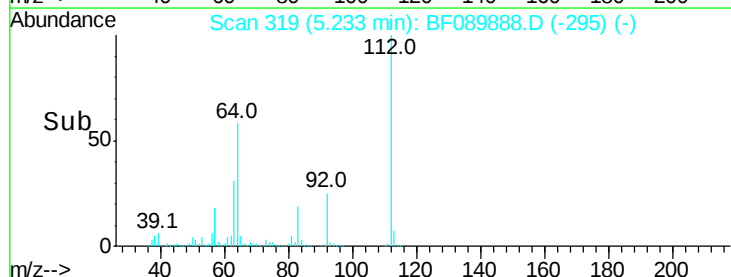
63 30.6 23.1 34.7

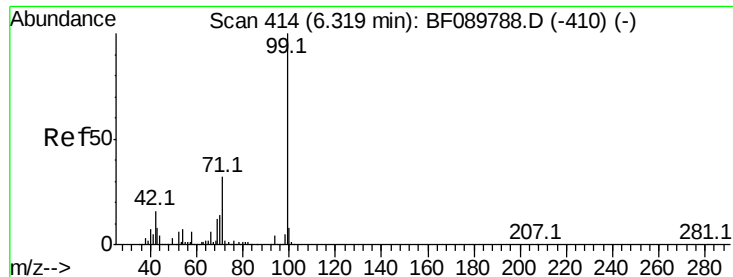


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.90 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

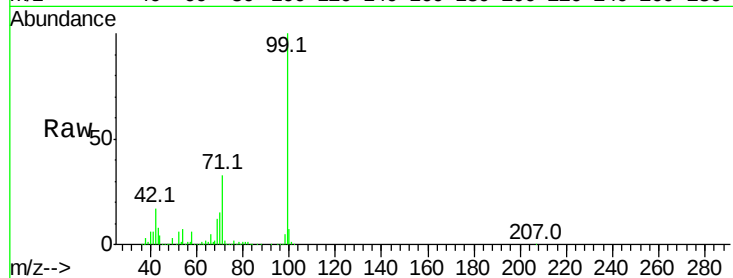
BNA\_F

ClientSampleId :

FB01-081816

Tot Ion: 99 Resp: 1187660

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.0  | 12.2  | 18.4  |
| 71  | 32.6  | 23.8  | 35.8  |

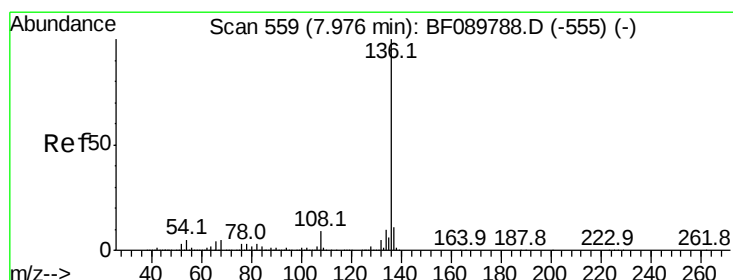
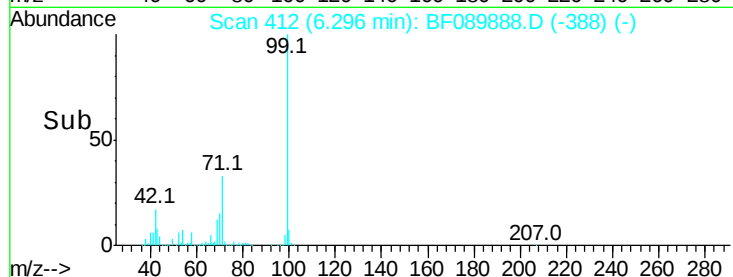
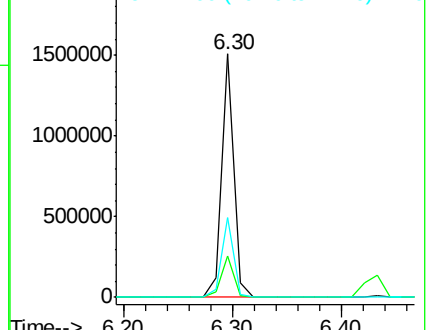


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

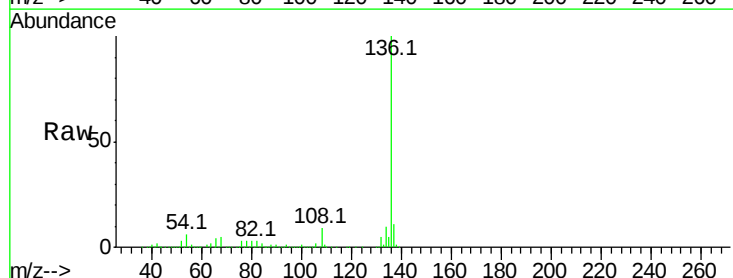
Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Tgt Ion: 136 Resp: 1786204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.2   | 13.8  |
| 54  | 5.6   | 7.2   | 10.8# |
| 68  | 5.0   | 5.8   | 8.8#  |



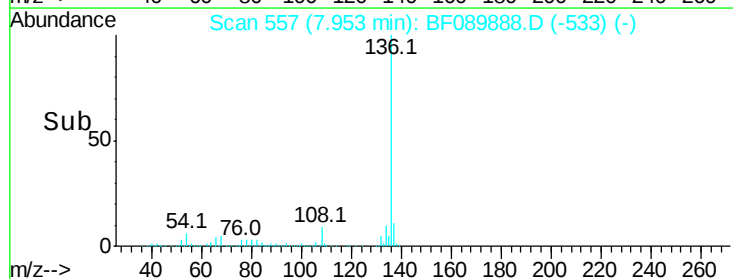
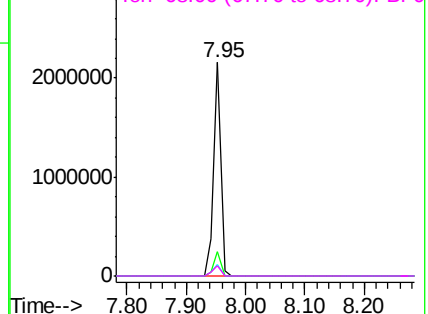
Abundance

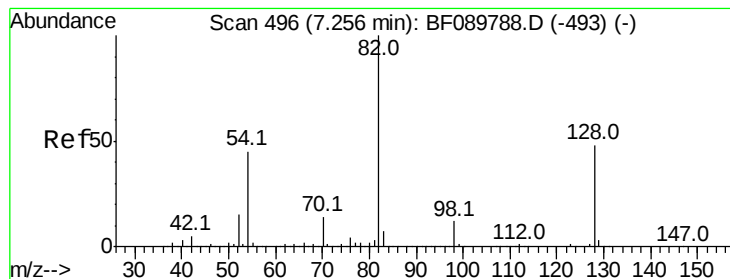
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 78.35 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA\_F

ClientSampleId :

FB01-081816

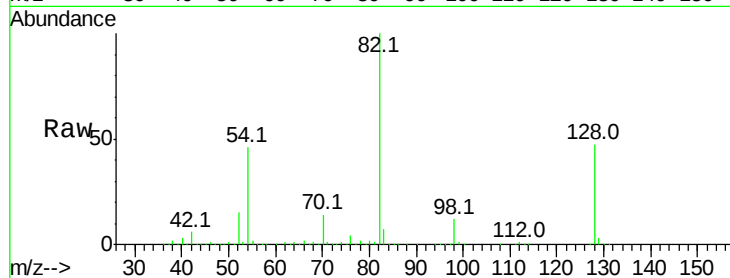
Tot Ion: 82 Resp: 2252741

Ion Ratio Lower Upper

82 100

128 46.7 34.4 51.6

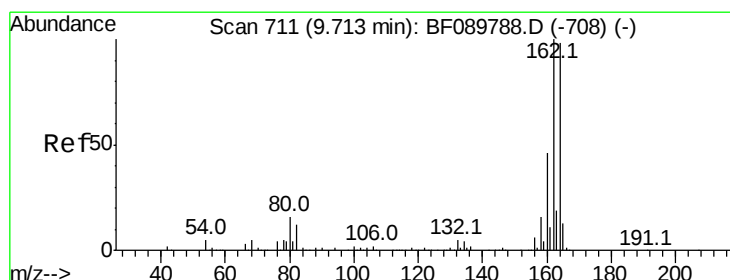
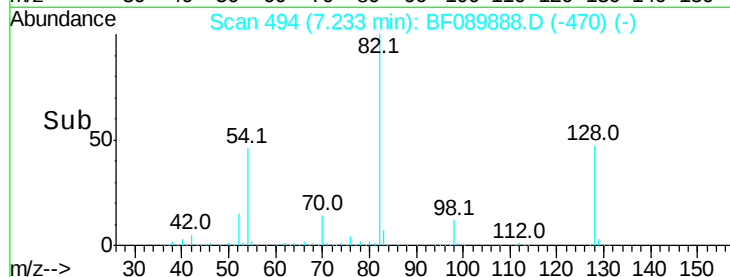
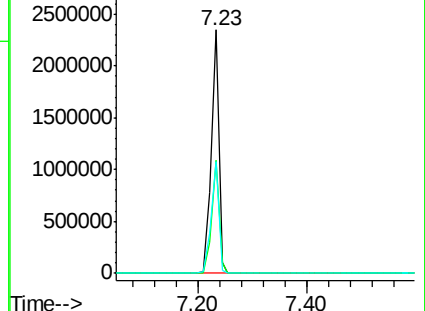
54 45.9 40.3 60.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

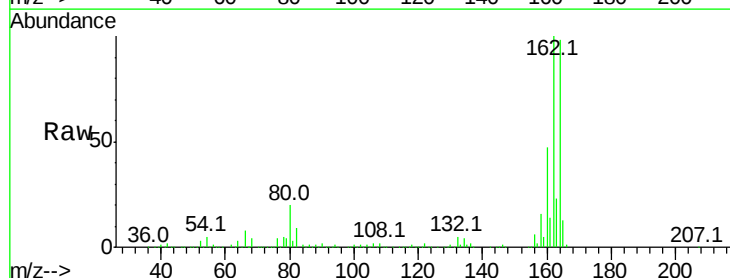
Tgt Ion:164 Resp: 825437

Ion Ratio Lower Upper

164 100

162 102.1 81.4 122.2

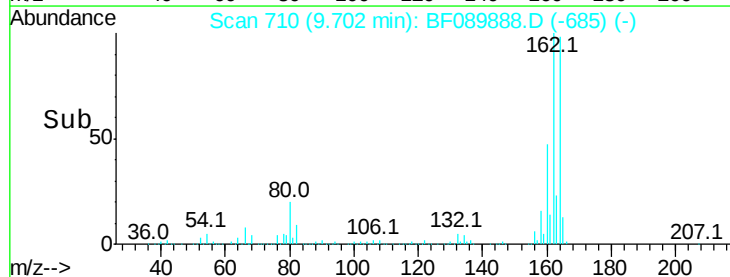
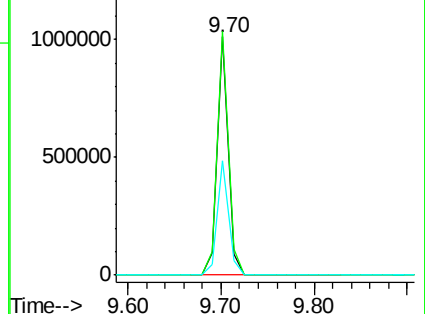
160 47.9 37.8 56.6

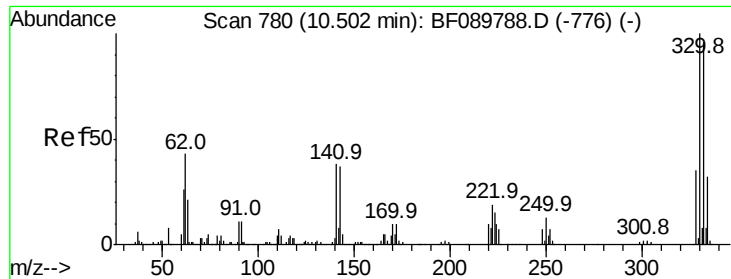


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

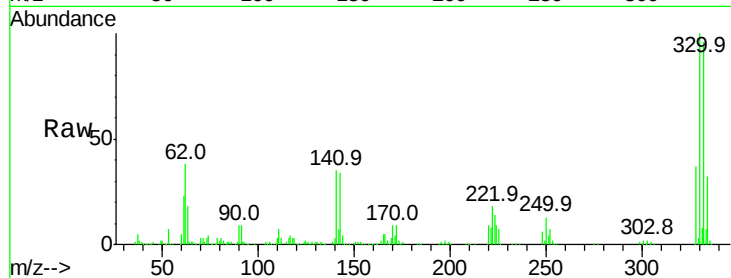




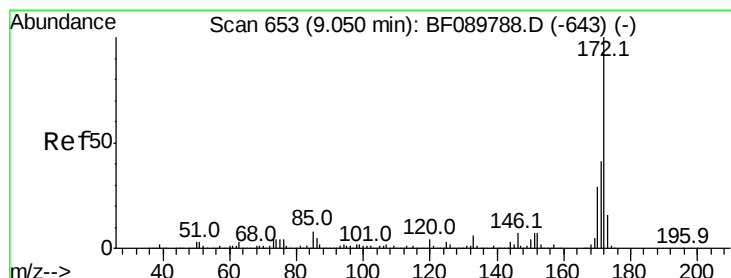
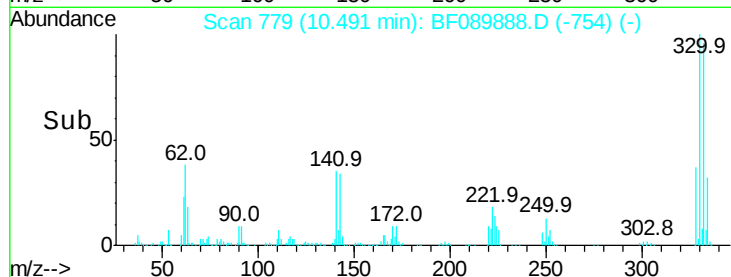
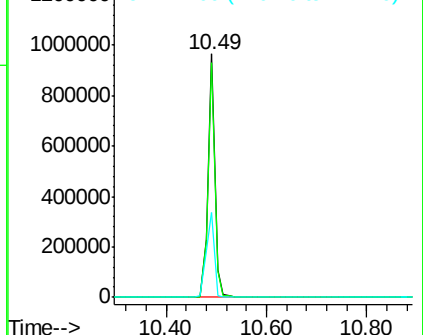
#41  
 2,4,6-Tribromophenol  
 Concen: 117.62 ng  
 RT: 10.49 min Scan# 779  
 Delta R.T. -0.01 min  
 Lab File: BF089888.D  
 Acq: 24 Aug 2016 21:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB01-081816

Tot Ion:330 Resp: 922641  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.7 115.1  
 141 40.8 30.2 45.2

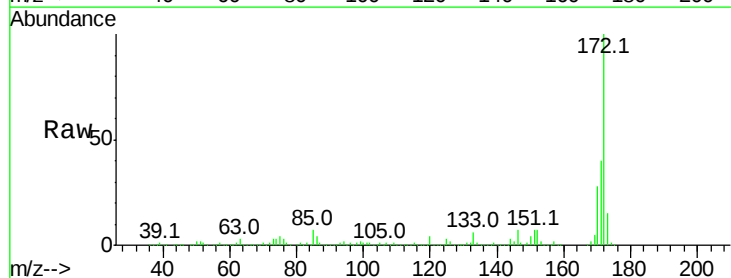


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

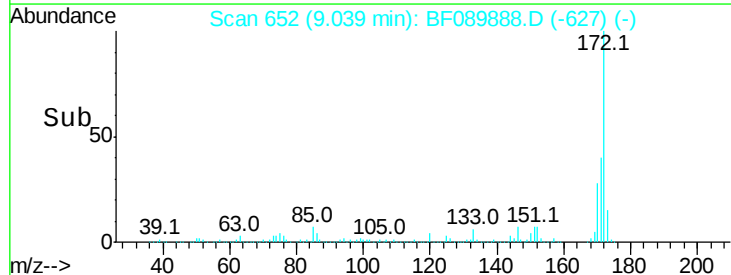
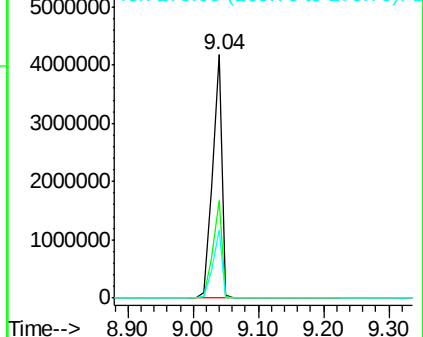


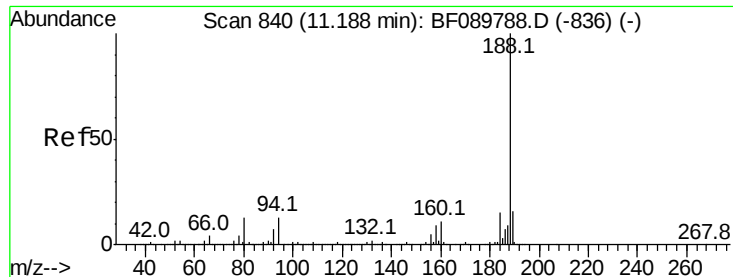
#44  
 2-Fluorobiphenyl  
 Concen: 91.21 ng  
 RT: 9.04 min Scan# 652  
 Delta R.T. -0.01 min  
 Lab File: BF089888.D  
 Acq: 24 Aug 2016 21:20

Tgt Ion:172 Resp: 4283714  
 Ion Ratio Lower Upper  
 172 100  
 171 40.0 30.5 45.7  
 170 27.9 20.6 31.0



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

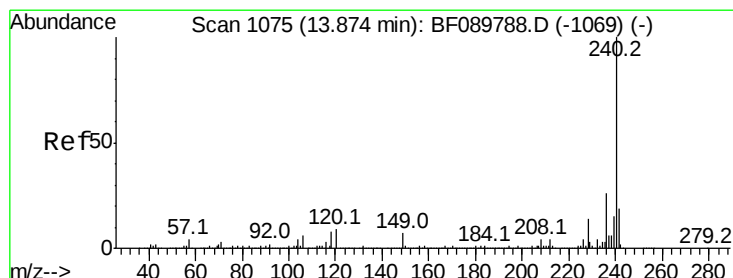
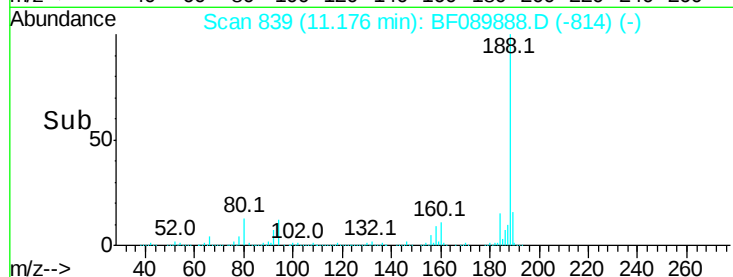
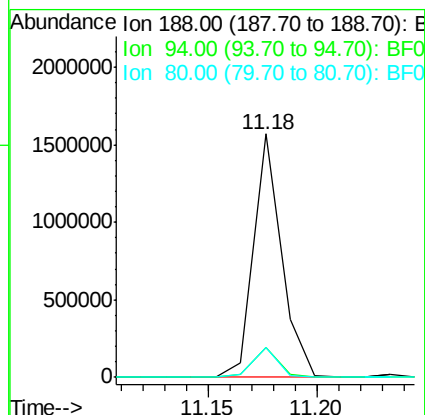
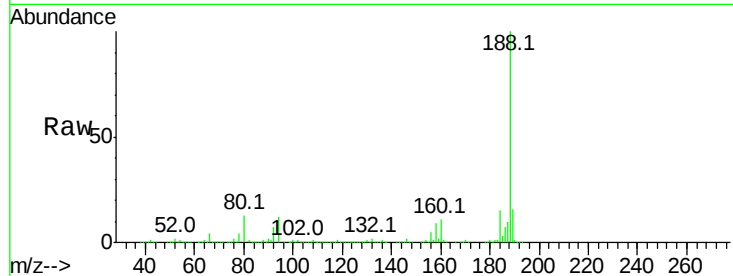




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.18 min Scan# 839  
Delta R.T. -0.01 min  
Lab File: BF089888.D  
Acq: 24 Aug 2016 21:20

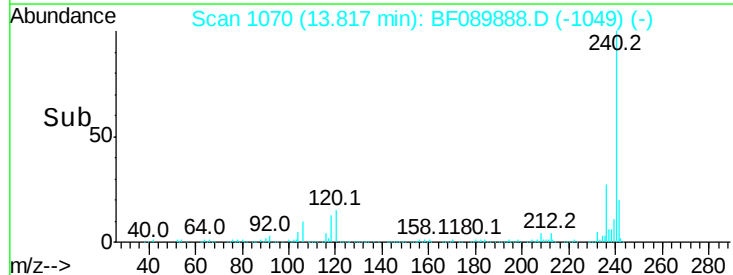
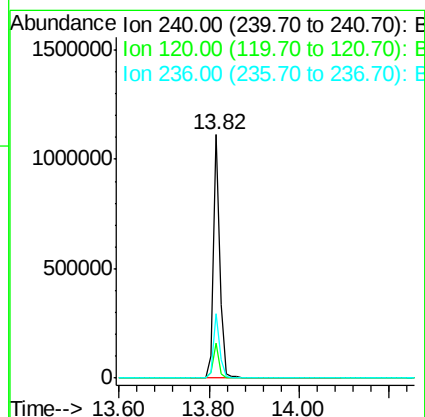
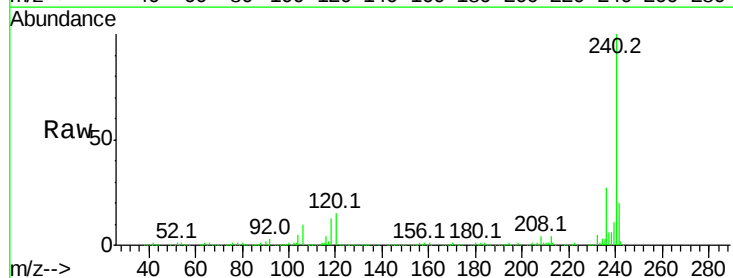
Instrument :  
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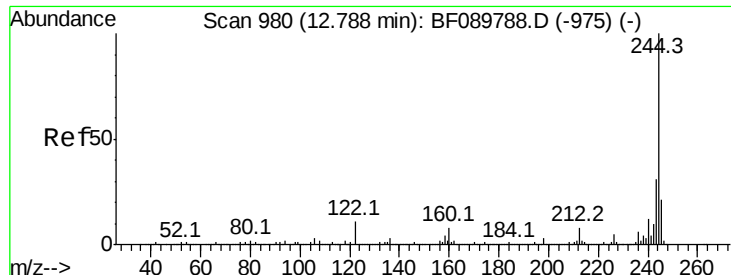
Tot Ion:188 Resp: 1408091  
Ion Ratio Lower Upper  
188 100  
94 12.1 10.2 15.2  
80 12.5 10.9 16.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.82 min Scan# 1070  
Delta R.T. -0.06 min  
Lab File: BF089888.D  
Acq: 24 Aug 2016 21:20

Tgt Ion:240 Resp: 1096208  
Ion Ratio Lower Upper  
240 100  
120 14.5 8.3 12.5#  
236 26.6 21.3 31.9





#78

Terphenyl-d14

Concen: 81.85 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA\_F

ClientSampleId :

FB01-081816

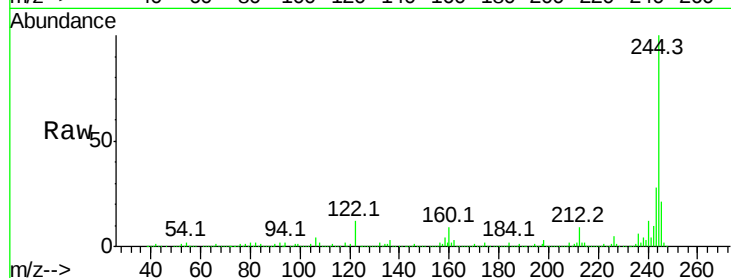
Tot Ion:244 Resp: 3966167

Ion Ratio Lower Upper

244 100

212 8.6 6.3 9.5

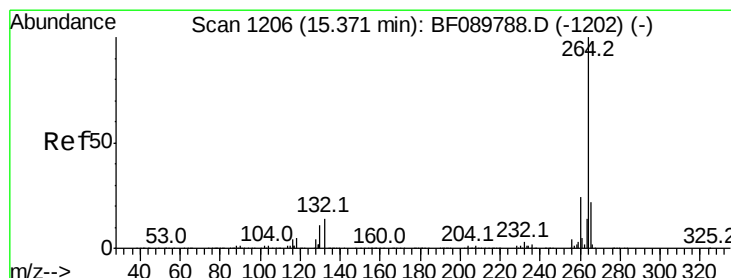
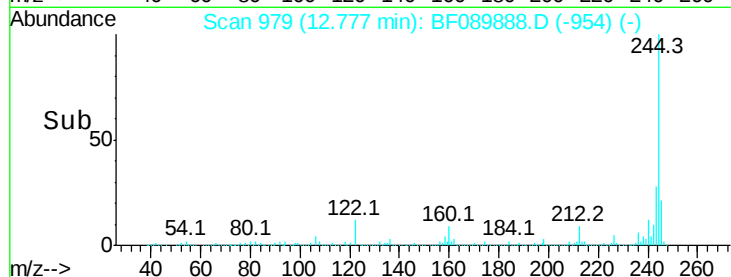
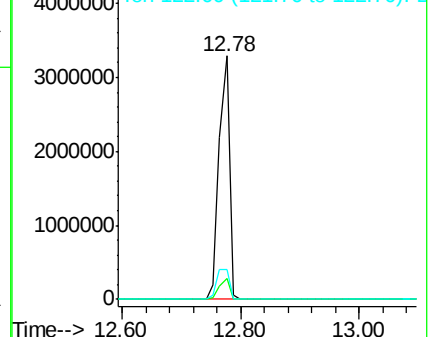
122 12.4 12.0 18.0



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: 20.00 ng

RT: 15.26 min Scan# 1196

Delta R.T. -0.11 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

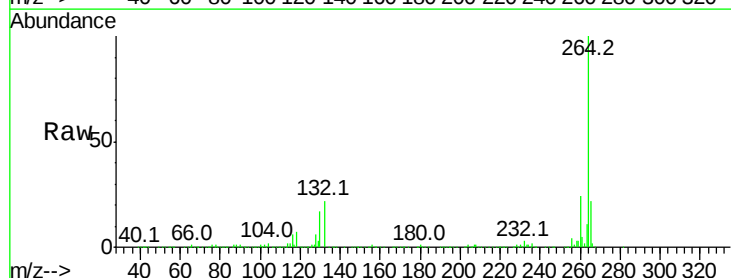
Tgt Ion:264 Resp: 861878

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.2

265 22.4 17.4 26.2



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

