

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111315\  
 Data File : BF082923.D  
 Acq On : 14 Nov 2015 4:45  
 Operator : UM/IZ  
 Sample : G4382-06  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 URS MW-12

Quant Time: Nov 14 06:08:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 190097   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.09  | 136  | 657949   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 334240   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.33 | 188  | 585692   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.96 | 240  | 375995   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 15.39 | 264  | 401934   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 647258   | 52.98  | ng    | -0.02    |
| 7) Phenol-d6                | 6.46  | 99   | 589969   | 36.32  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 1190408  | 78.73  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 406541   | 106.08 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1689872  | 72.46  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.92 | 244  | 1387289  | 87.51  | ng    | -0.04    |

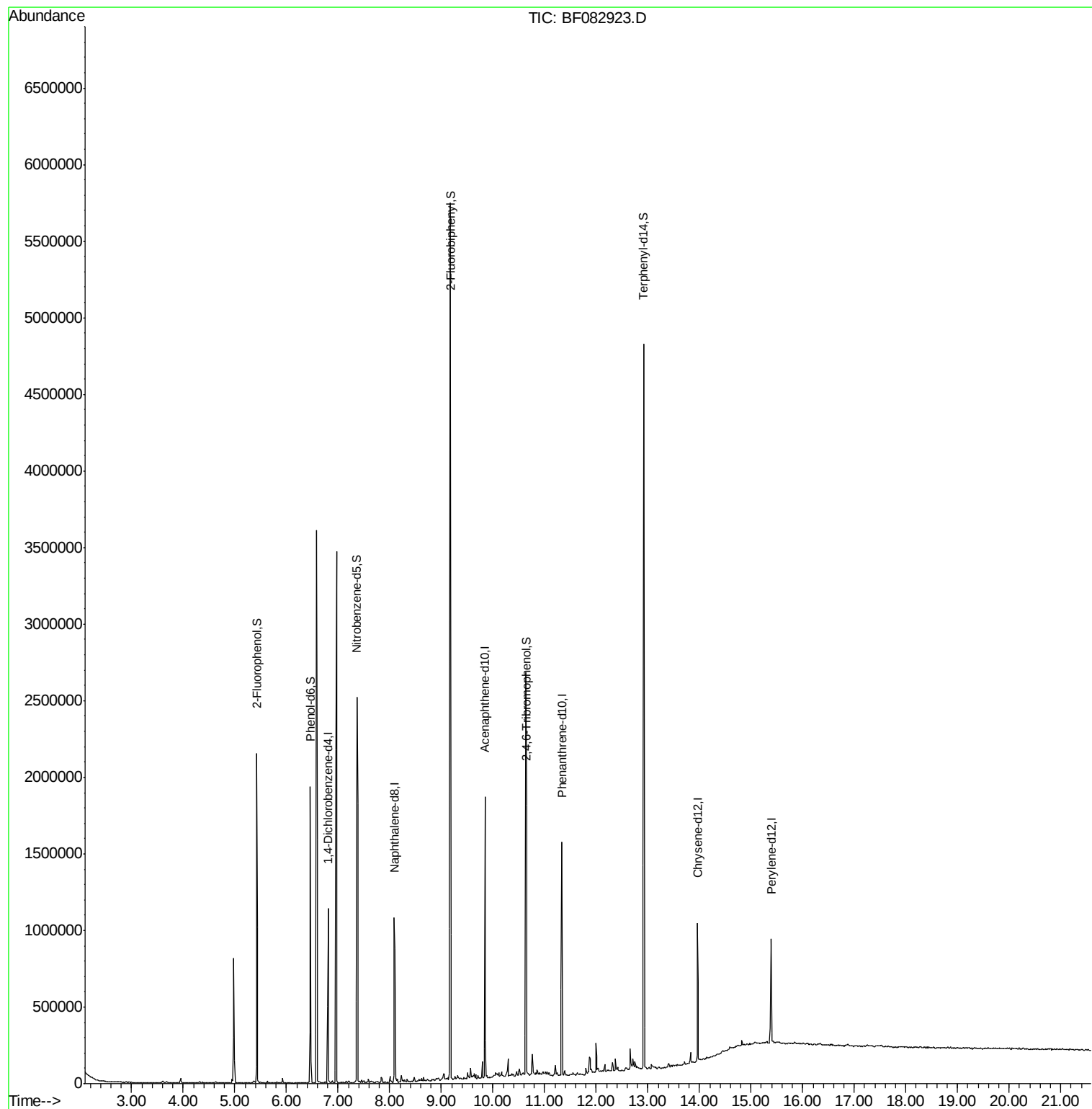
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

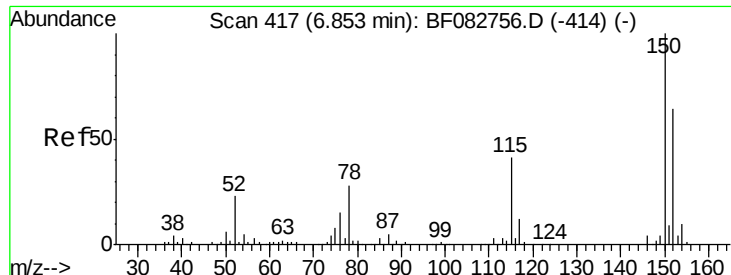
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

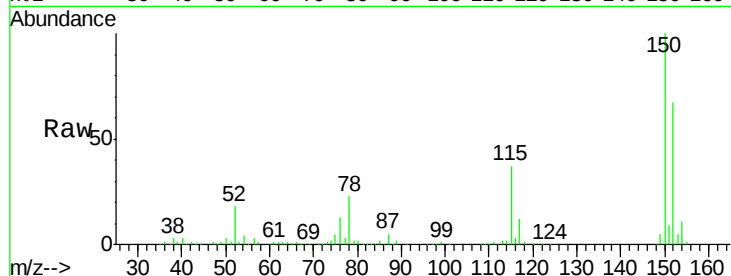




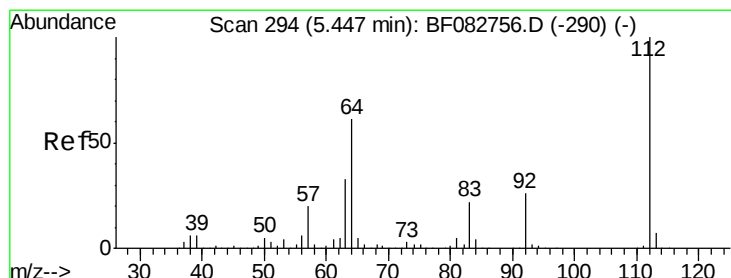
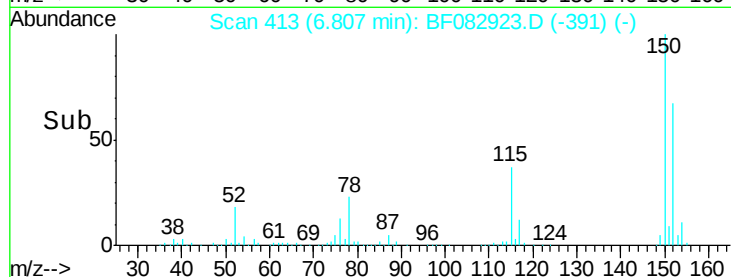
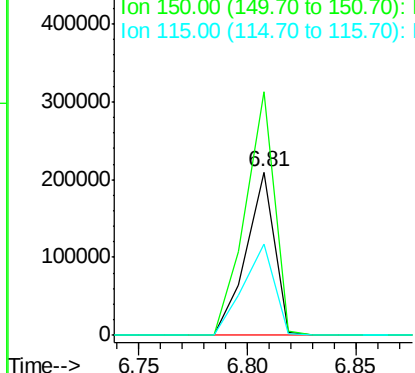
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.81 min Scan# 413  
 Delta R.T. -0.05 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 URS MW-12

Tgt Ion:152 Resp: 190097  
 Ion Ratio Lower Upper  
 152 100  
 150 149.4 127.0 190.4  
 115 56.0 47.0 70.6

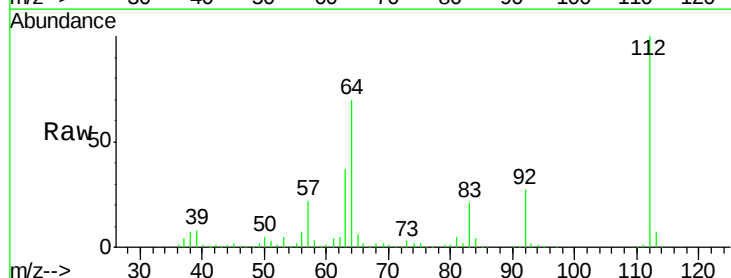


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

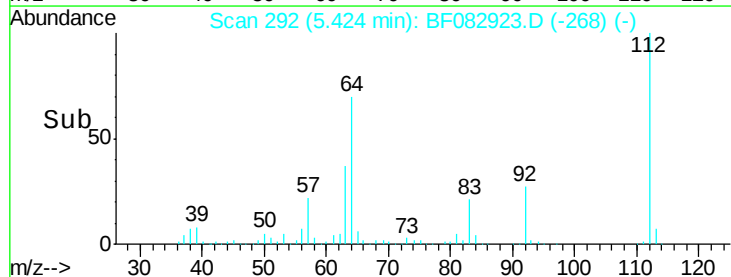
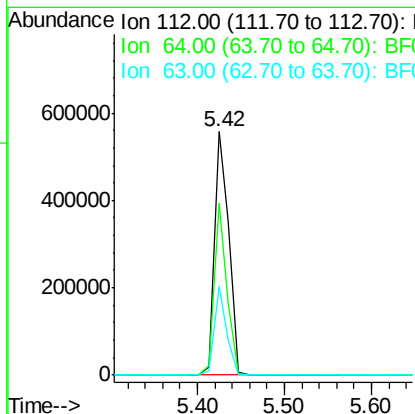


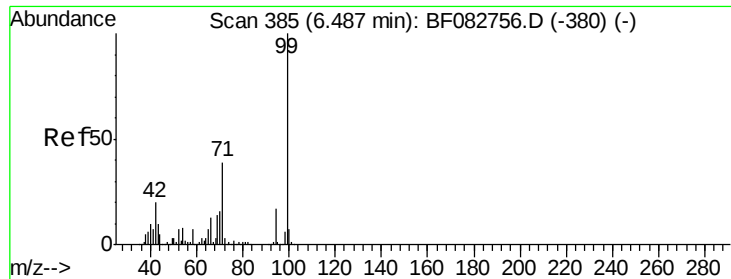
#5  
 2-Fluorophenol  
 Concen: 52.98 ng  
 RT: 5.42 min Scan# 292  
 Delta R.T. -0.02 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

Tgt Ion:112 Resp: 647258  
 Ion Ratio Lower Upper  
 112 100  
 64 70.4 48.9 73.3  
 63 36.6 28.1 42.1



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: 36.32 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082923.D

Acq: 14 Nov 2015 4:45

Instrument :

BNA\_F

ClientSampleId :

URS MW-12

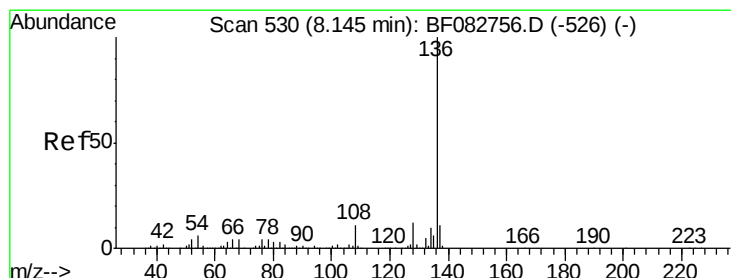
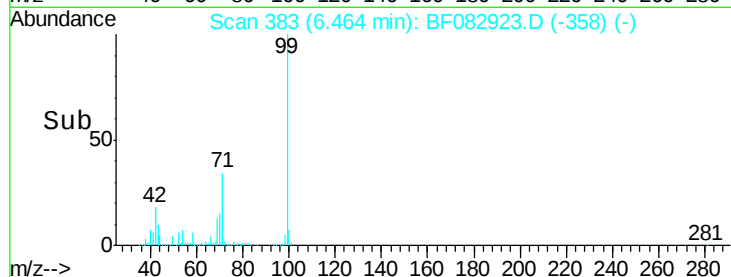
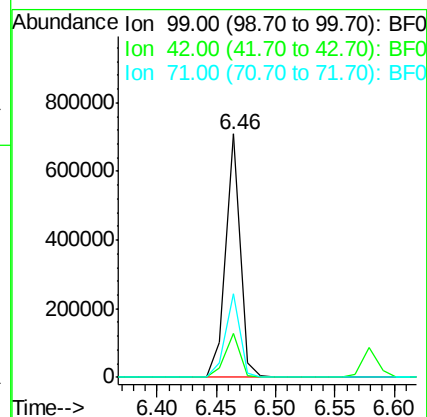
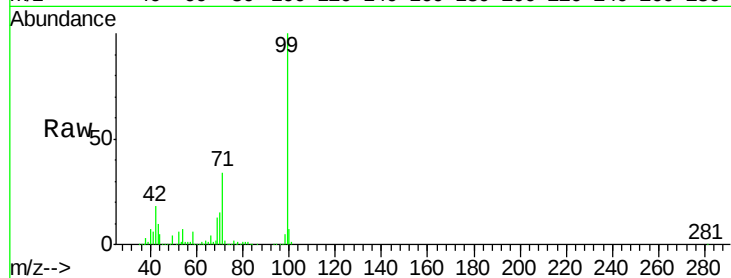
Tgt Ion: 99 Resp: 589969

Ion Ratio Lower Upper

99 100

42 18.0 19.2 28.8#

71 34.2 35.0 52.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF082923.D

Acq: 14 Nov 2015 4:45

Tgt Ion: 136 Resp: 657949

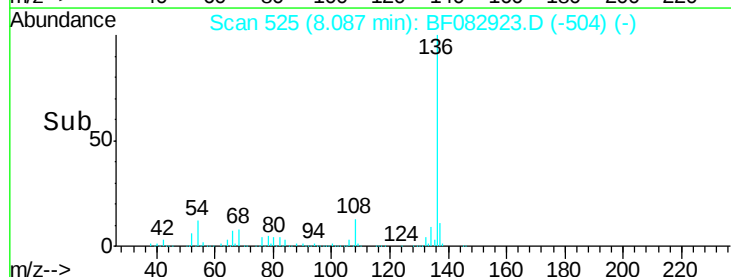
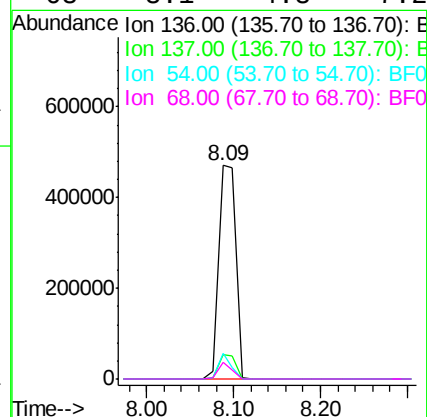
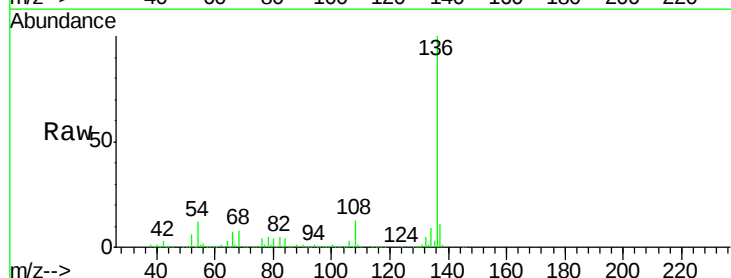
Ion Ratio Lower Upper

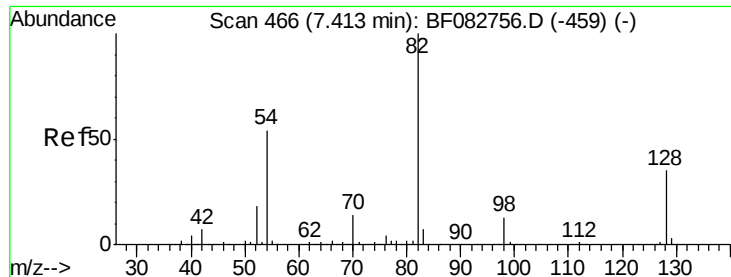
136 100

137 11.2 9.1 13.7

54 12.2 9.1 13.7

68 8.1 4.8 7.2#

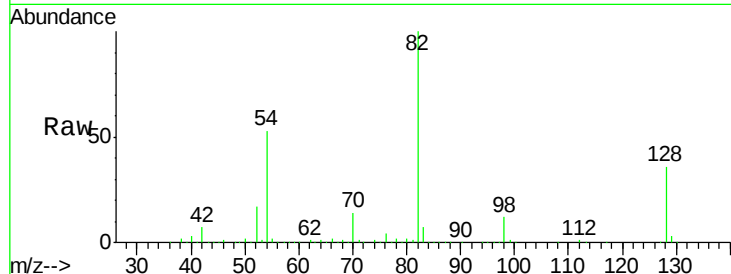




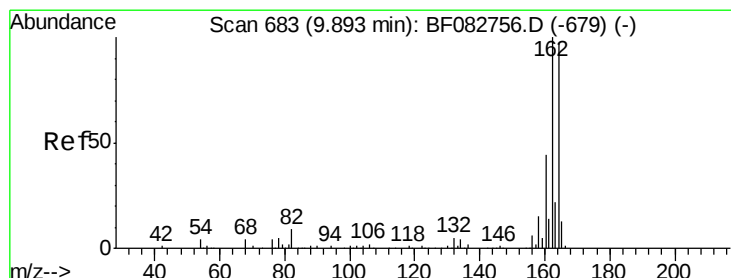
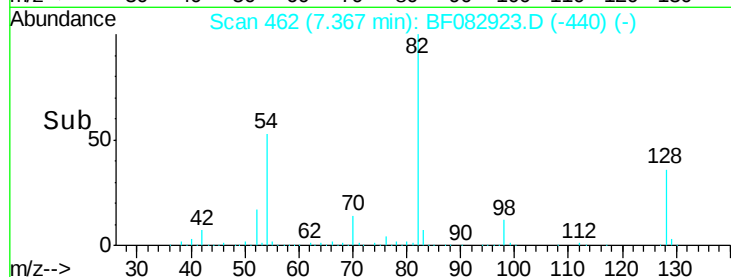
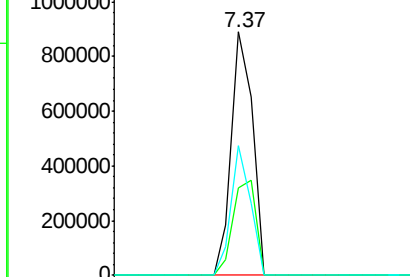
#23  
 Nitrobenzene-d5  
 Concen: 78.73 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.04 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 URS MW-12

Tgt Ion: 82 Resp: 1190408  
 Ion Ratio Lower Upper  
 82 100  
 128 36.1 26.8 40.2  
 54 53.3 45.7 68.5

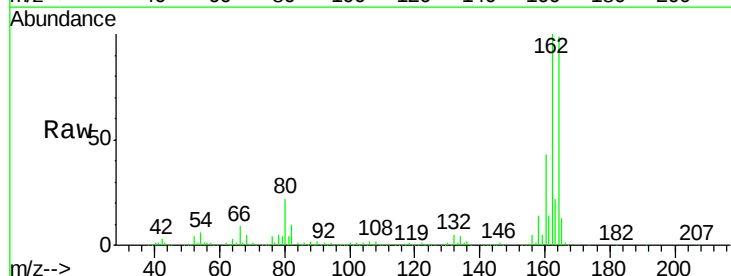


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

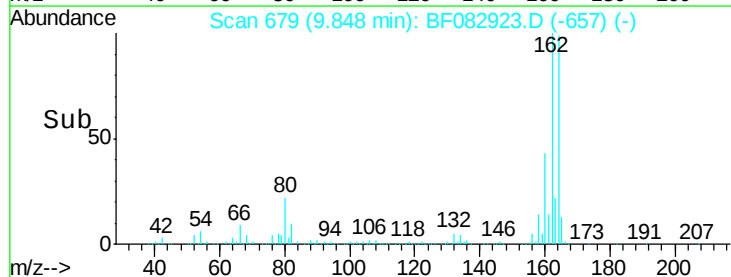
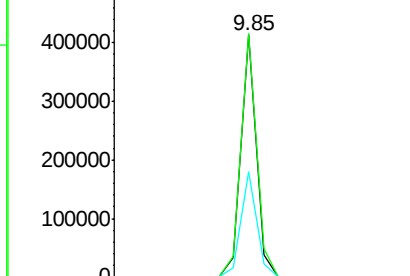


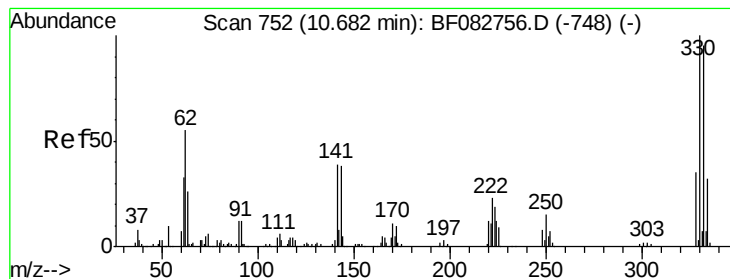
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.05 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

Tgt Ion: 164 Resp: 334240  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 84.9 127.3  
 160 43.7 37.5 56.3



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

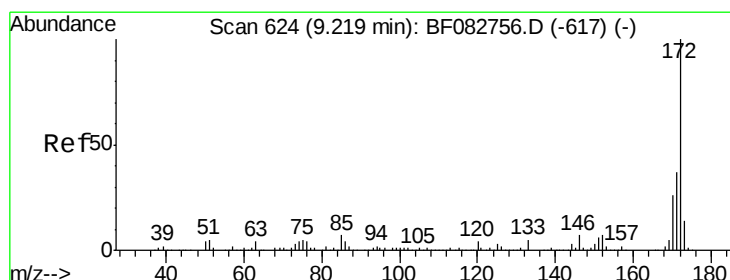
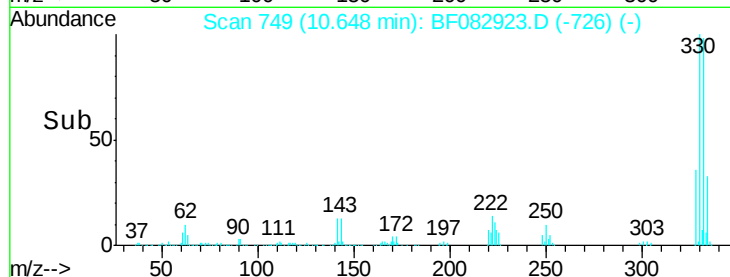
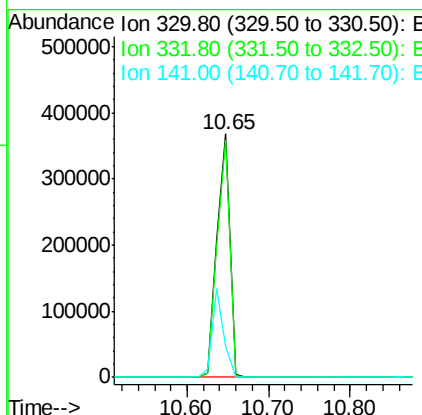
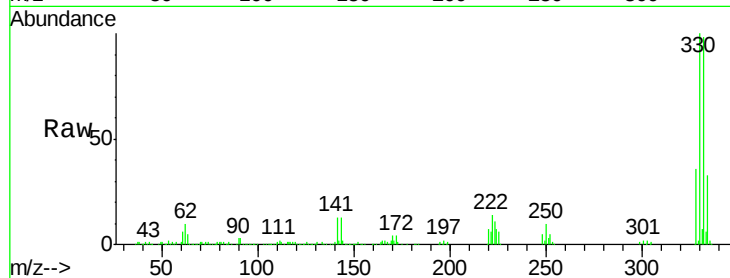




#41  
 2,4,6-Tribromophenol  
 Concen: 106.08 ng  
 RT: 10.65 min Scan# 749  
 Delta R.T. -0.03 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

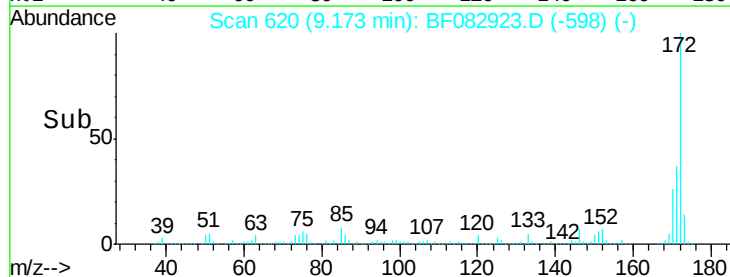
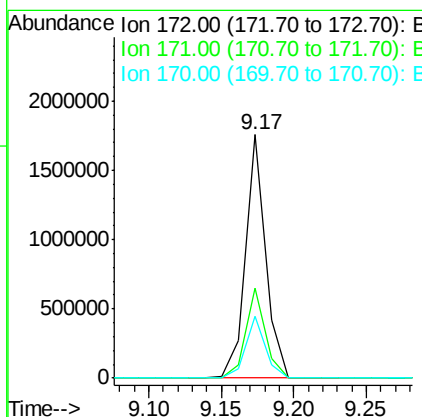
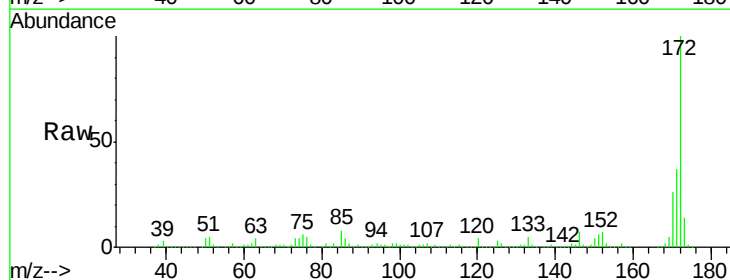
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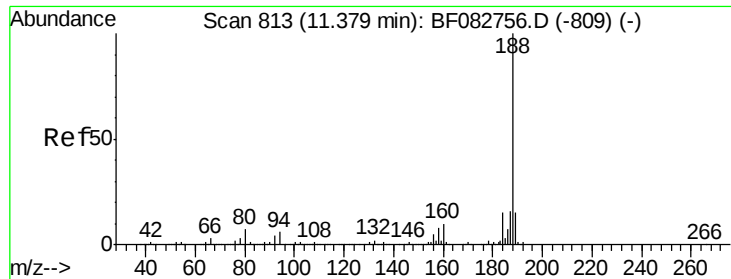
Tgt Ion:330 Resp: 406541  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 33.6 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 72.46 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.05 min  
 Lab File: BF082923.D  
 Acq: 14 Nov 2015 4:45

Tgt Ion:172 Resp: 1689872  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 30.8 46.2  
 170 25.6 21.2 31.8

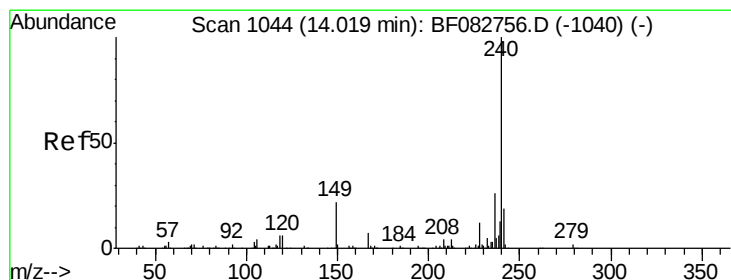
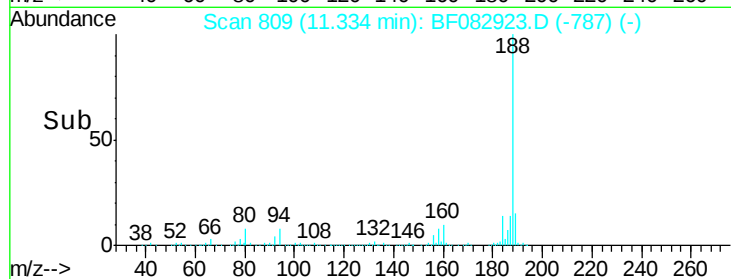
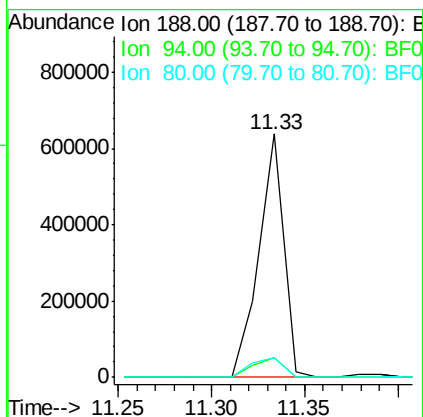
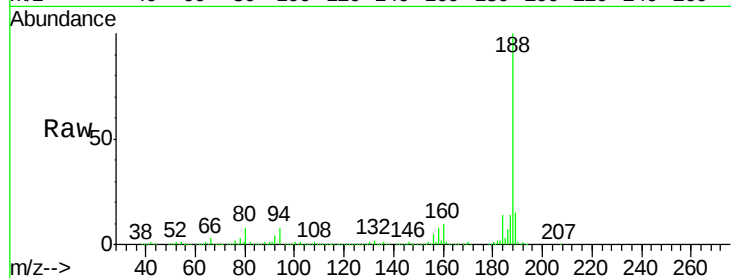




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.33 min Scan# 809  
Delta R.T. -0.05 min  
Lab File: BF082923.D  
Acq: 14 Nov 2015 4:45

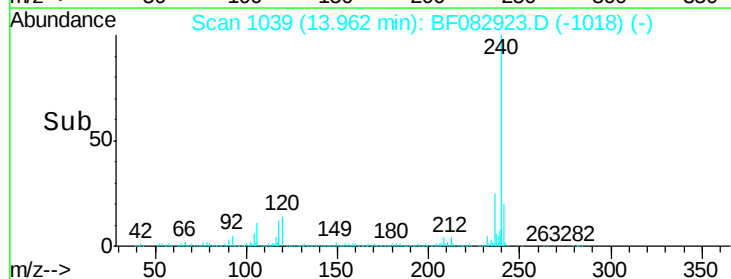
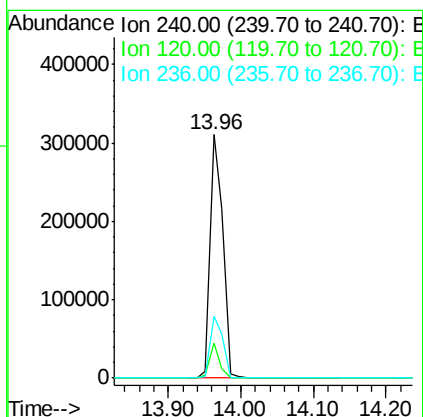
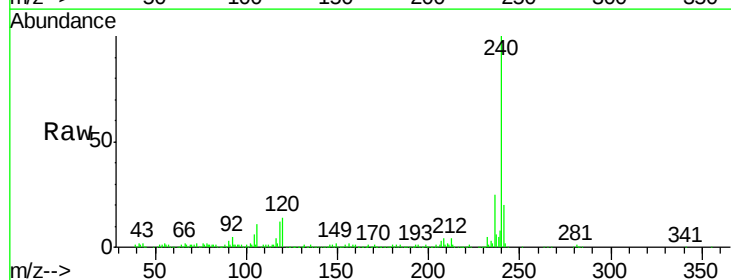
Instrument :  
BNA\_F  
ClientSampleId :  
URS MW-12

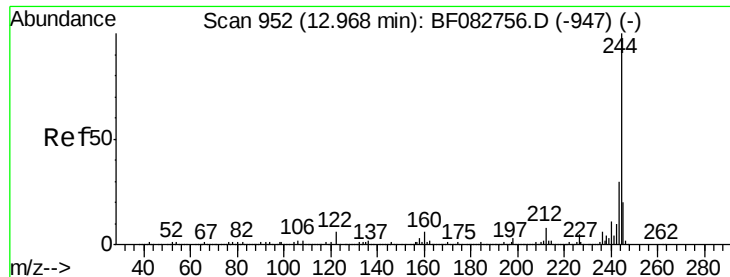
Tgt Ion:188 Resp: 585692  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.1 9.1  
80 8.3 7.0 10.6



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.96 min Scan# 1039  
Delta R.T. -0.06 min  
Lab File: BF082923.D  
Acq: 14 Nov 2015 4:45

Tgt Ion:240 Resp: 375995  
Ion Ratio Lower Upper  
240 100  
120 14.2 10.9 16.3  
236 25.4 21.6 32.4





#78

Terphenyl-d14

Concen: 87.51 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF082923.D

Acq: 14 Nov 2015 4:45

Instrument :

BNA\_F

ClientSampleId :

URS MW-12

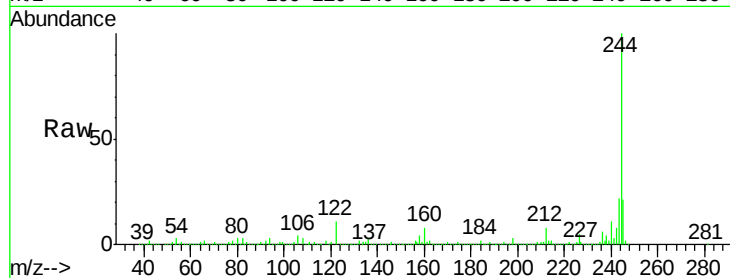
Tgt Ion:244 Resp: 1387289

Ion Ratio Lower Upper

244 100

212 8.3 7.6 11.4

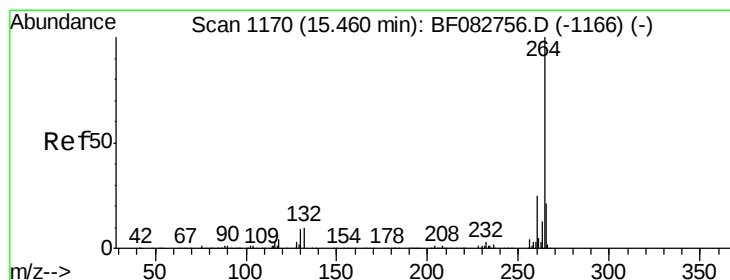
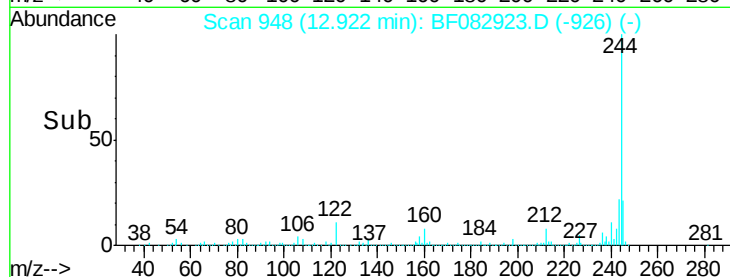
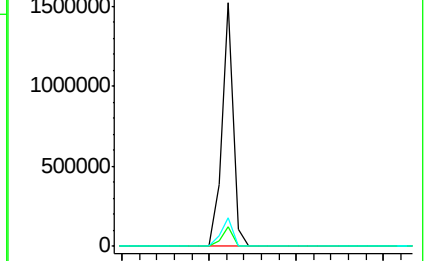
122 11.5 11.3 16.9



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: 15.39 min Scan# 1164

Delta R.T. -0.07 min

Lab File: BF082923.D

Acq: 14 Nov 2015 4:45

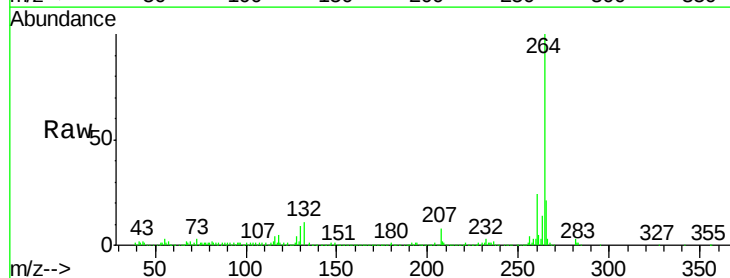
Tgt Ion:264 Resp: 401934

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

265 21.2 17.4 26.0



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

