

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100617\  
 Data File : BF099183.D  
 Acq On : 7 Oct 2017 8:26  
 Operator : SJ/JU  
 Sample : I5675-03  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RI-MW-3-GW

Quant Time: Oct 08 03:14:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

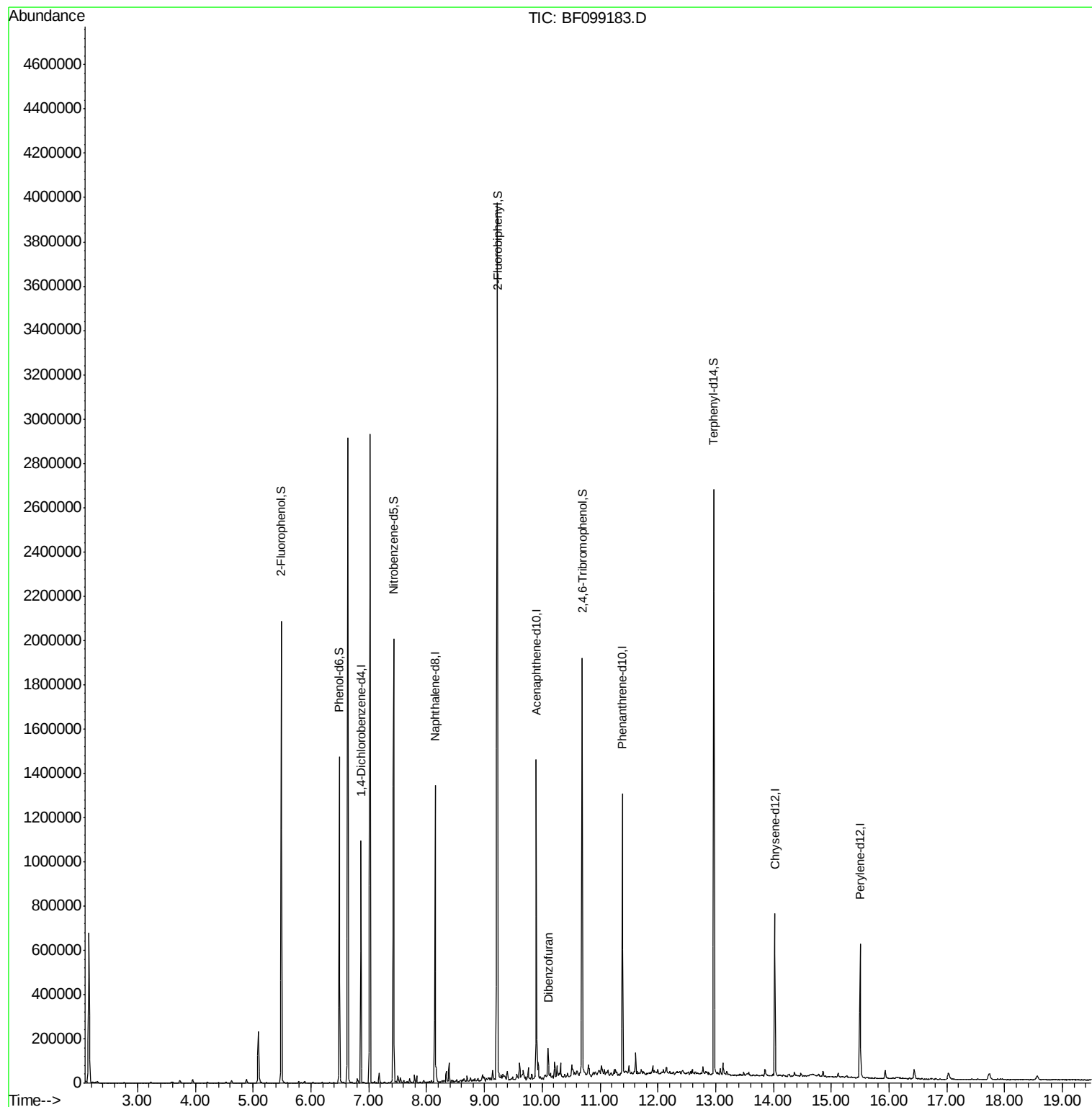
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 145364   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.15  | 136  | 589048   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.90  | 164  | 263708   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.39 | 188  | 409540   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 14.02 | 240  | 225247   | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 15.50 | 264  | 252517   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.49  | 112  | 581557   | 63.69  | ng    | 0.00          |
| 7) Phenol-d6                | 6.49  | 99   | 456734   | 40.55  | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 776400   | 84.53  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 235374   | 109.08 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1346269  | 85.23  | ng    | 0.00          |
| 78) Terphenyl-d14           | 12.97 | 244  | 896866   | 90.55  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 54) Dibenzofuran            | 10.10 | 168  | 47461    | 2.16   | ng    | Qvalue<br>100 |

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

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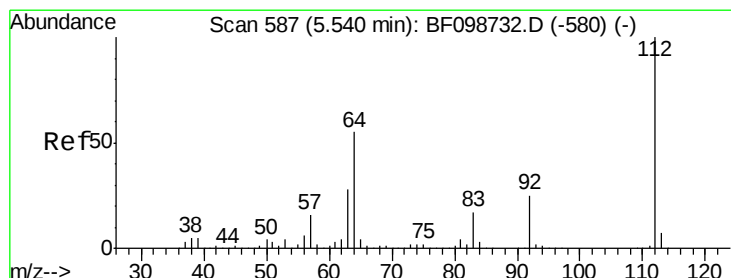
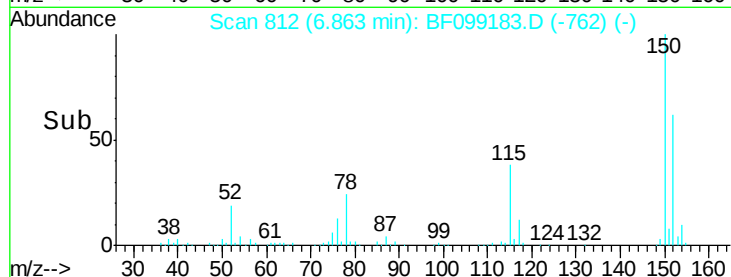
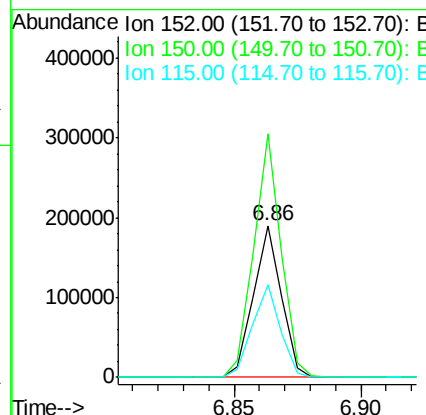
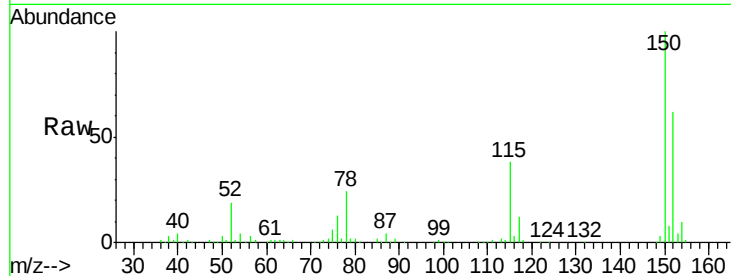




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

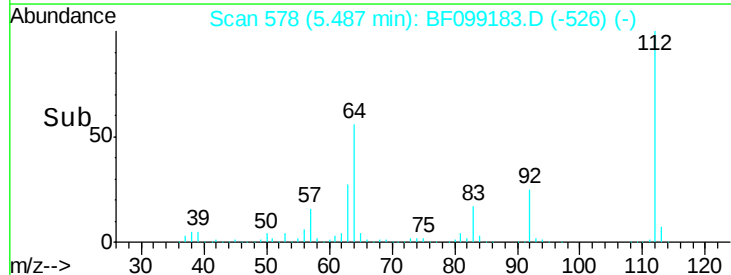
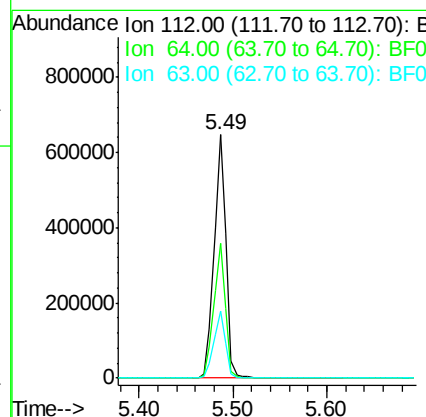
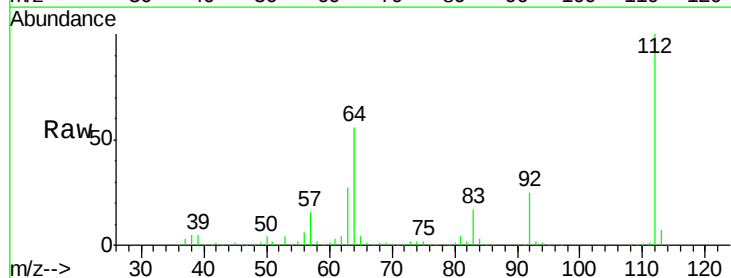
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RI-MW-3-GW

Tgt Ion:152 Resp: 145364  
 Ion Ratio Lower Upper  
 152 100  
 150 160.5 124.6 186.8  
 115 61.0 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 63.69 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

Tgt Ion:112 Resp: 581557  
 Ion Ratio Lower Upper  
 112 100  
 64 55.6 47.9 71.9  
 63 27.4 23.7 35.5





#7

Phenol-d6

Concen: 40.55 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA\_F

ClientSampleId :

RI-MW-3-GW

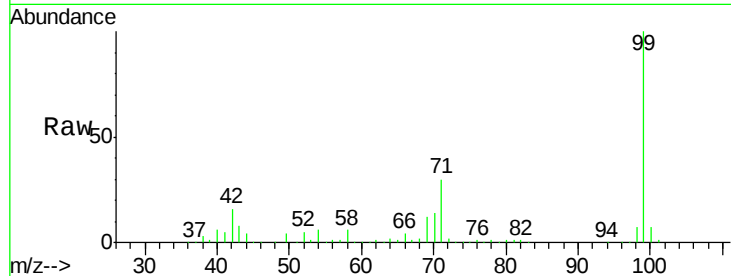
Tgt Ion: 99 Resp: 456734

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

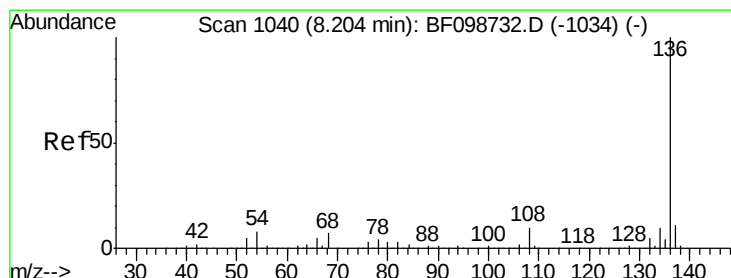
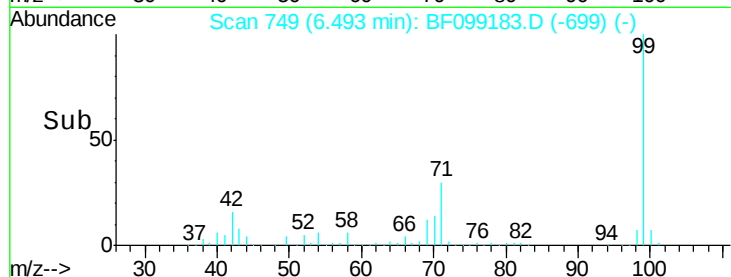
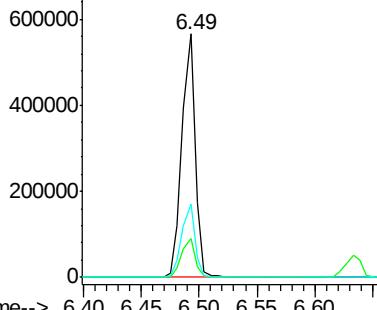
71 30.1 25.4 38.0



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Tgt Ion: 136 Resp: 589048

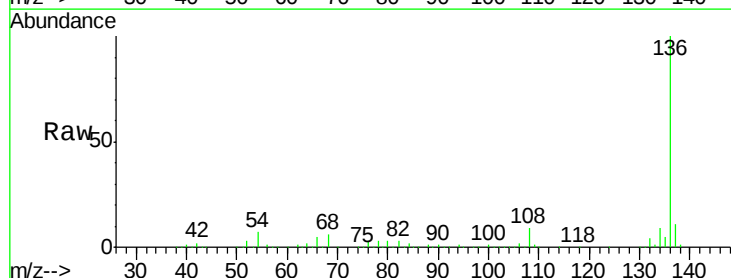
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 5.7 5.0 7.4

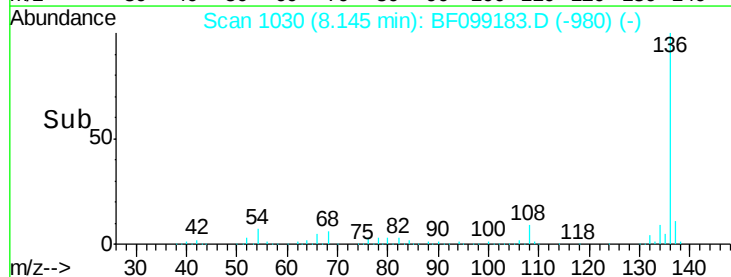
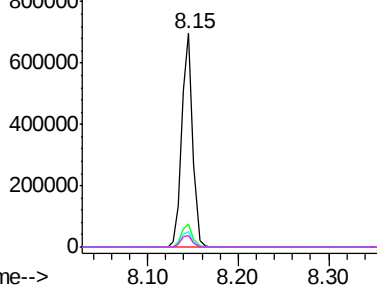


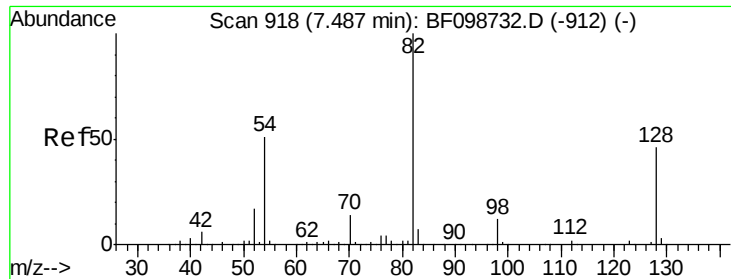
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

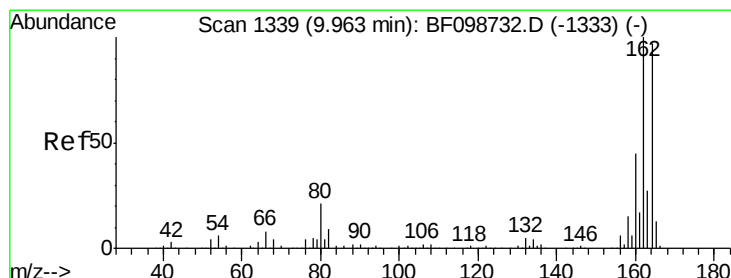
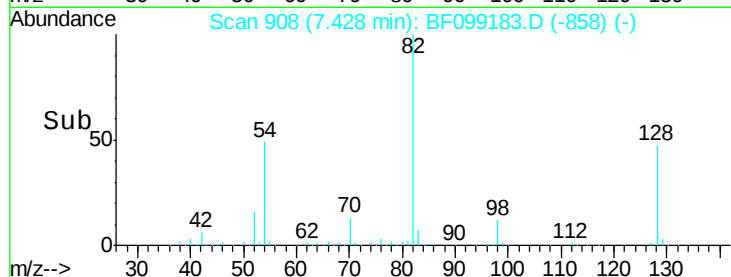
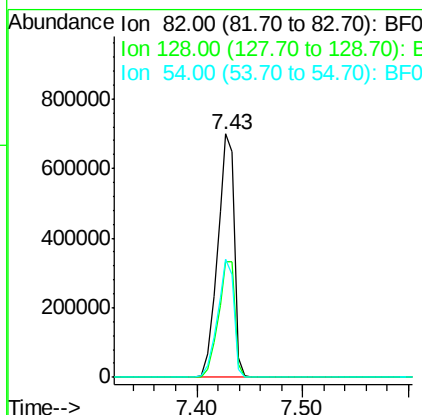
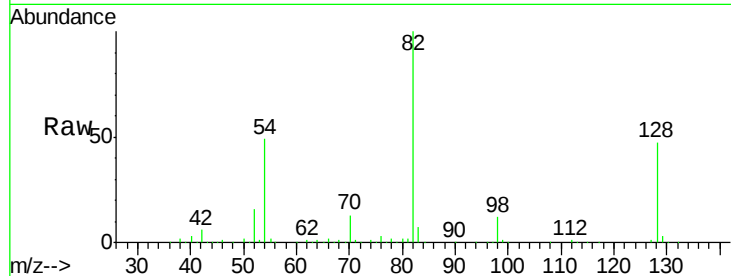




#23  
 Nitrobenzene-d5  
 Concen: 84.53 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

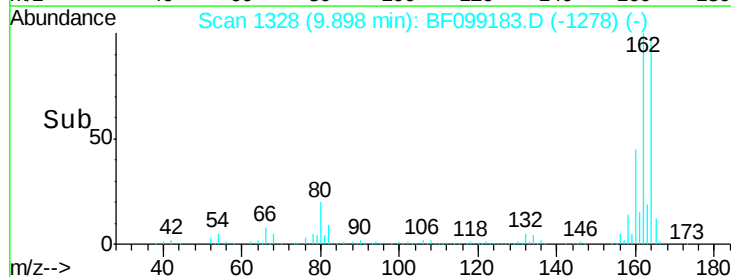
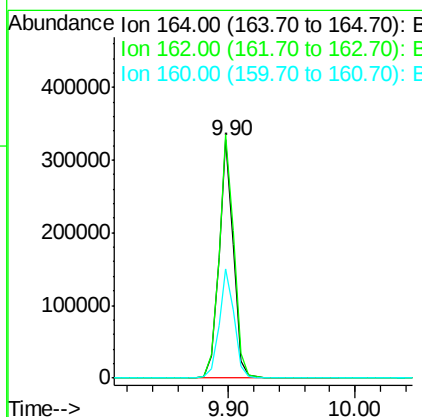
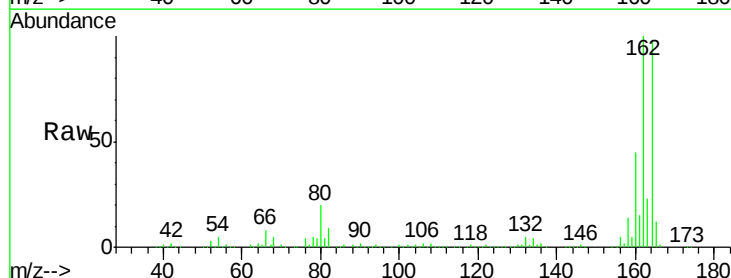
Instrument :  
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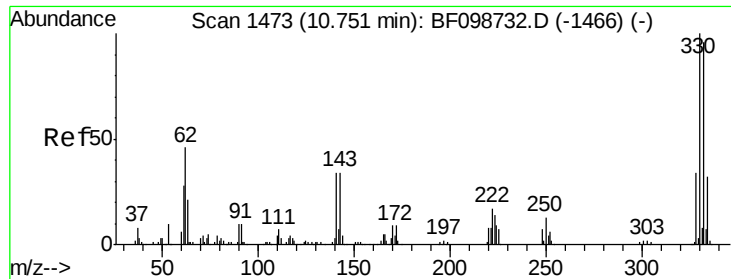
Tgt Ion: 82 Resp: 776400  
 Ion Ratio Lower Upper  
 82 100  
 128 47.5 36.1 54.1  
 54 48.7 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

Tgt Ion: 164 Resp: 263708  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 86.1 129.1  
 160 45.8 38.3 57.5

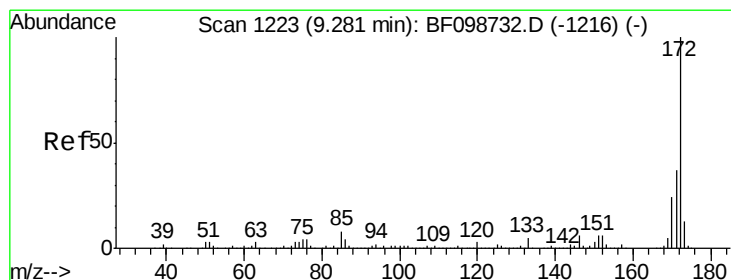
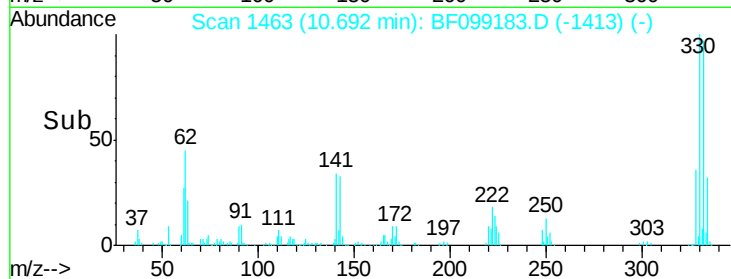
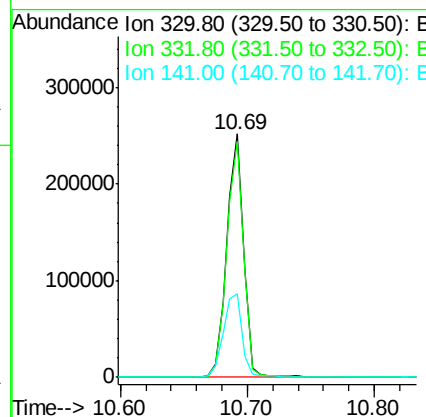
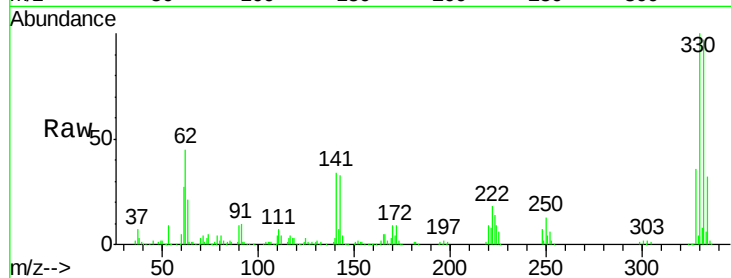




#41  
 2,4,6-Tribromophenol  
 Concen: 109.08 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

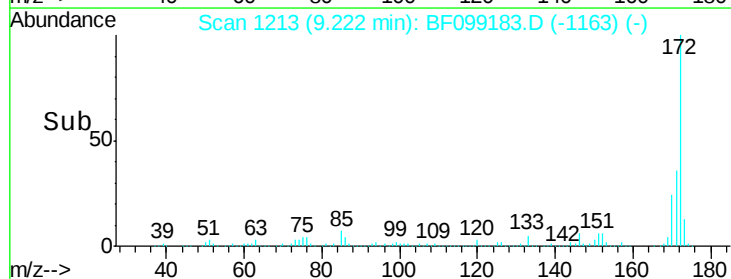
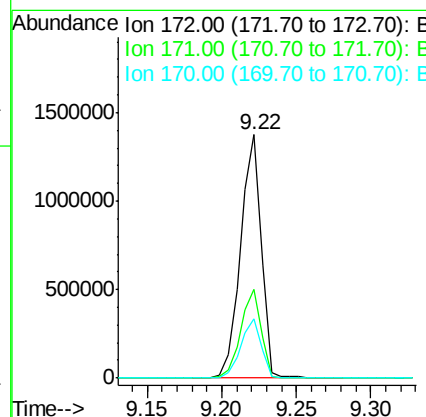
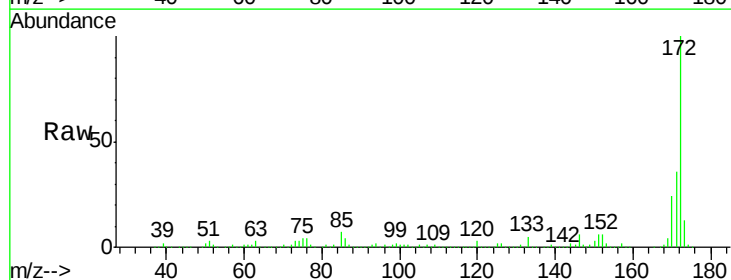
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RI-MW-3-GW

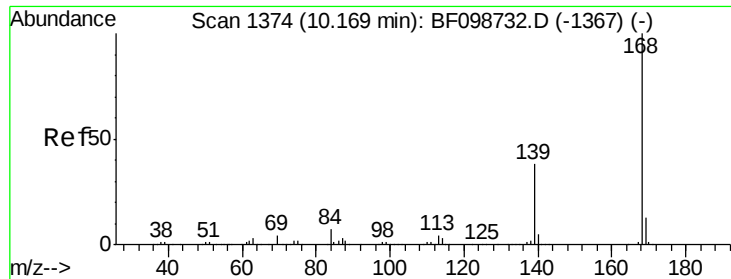
Tgt Ion:330 Resp: 235374  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.0 115.6  
 141 38.4 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 85.23 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099183.D  
 Acq: 7 Oct 2017 8:26

Tgt Ion:172 Resp: 1346269  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.2 19.6 29.4

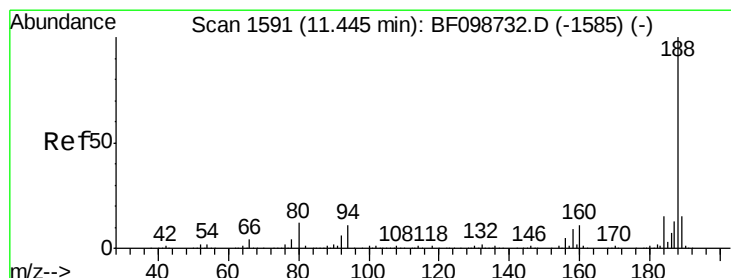
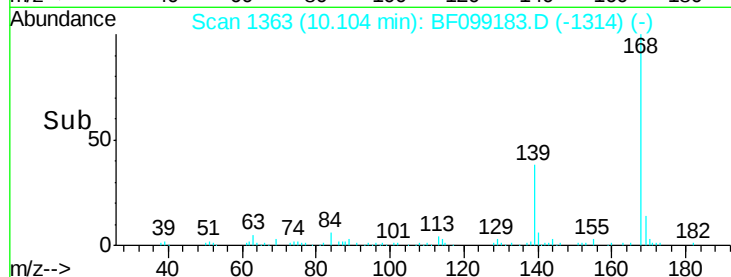
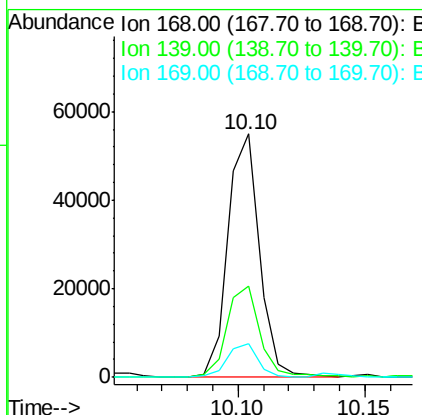
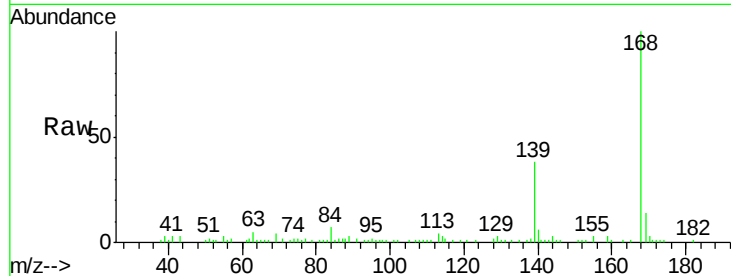




#54  
Dibenzofuran  
Concen: 2.16 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF099183.D  
Acq: 7 Oct 2017 8:26

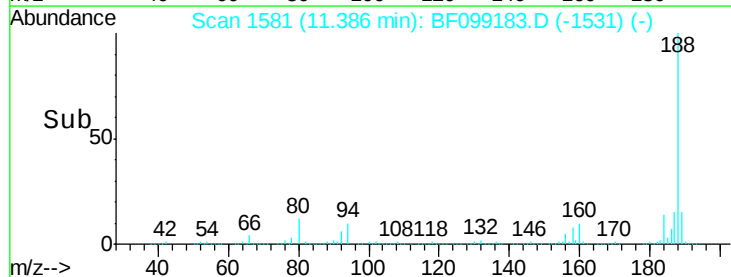
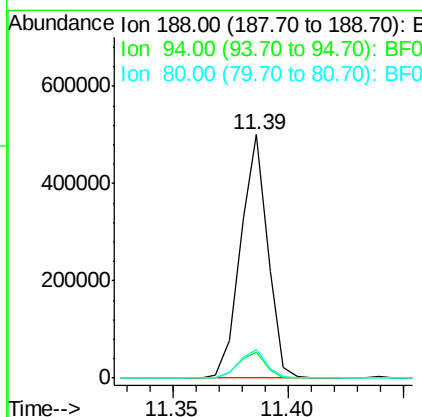
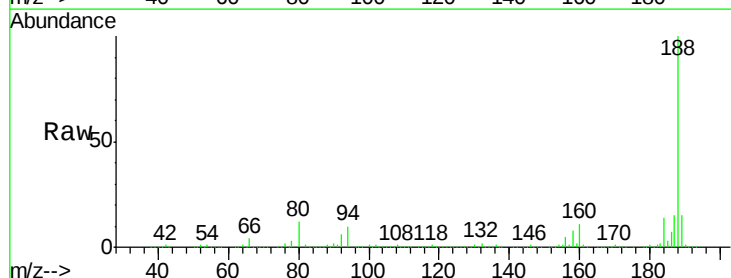
Instrument :  
BNA\_F  
ClientSampleId :  
RI-MW-3-GW

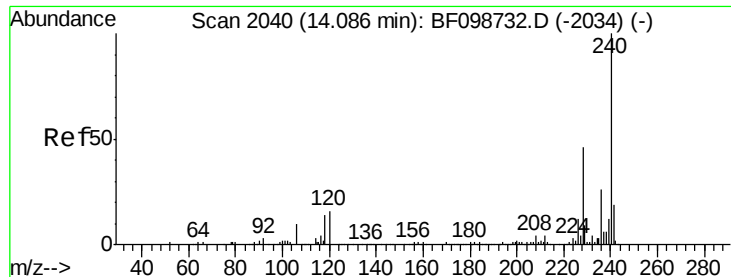
Tgt Ion:168 Resp: 47461  
Ion Ratio Lower Upper  
168 100  
139 37.6 30.1 45.1  
169 13.6 10.9 16.3



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF099183.D  
Acq: 7 Oct 2017 8:26

Tgt Ion:188 Resp: 409540  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.5 12.7  
80 11.8 9.2 13.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA\_F

ClientSampleId :

RI-MW-3-GW

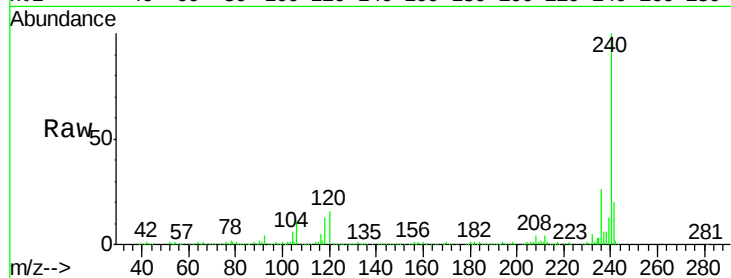
Tgt Ion:240 Resp: 225247

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

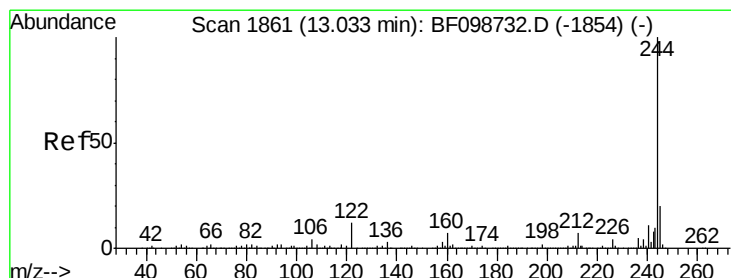
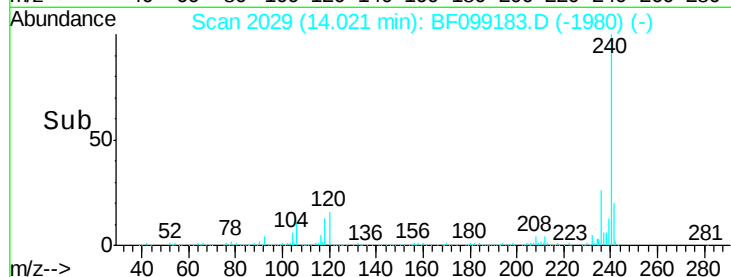
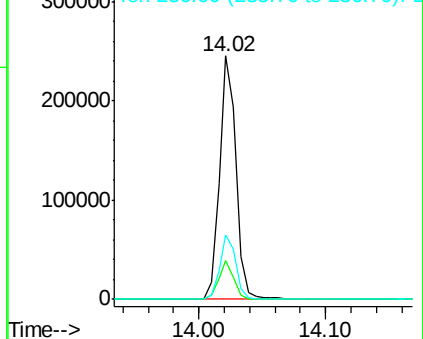
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 90.55 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

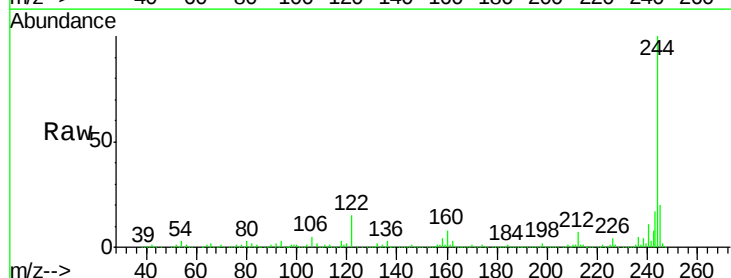
Tgt Ion:244 Resp: 896866

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

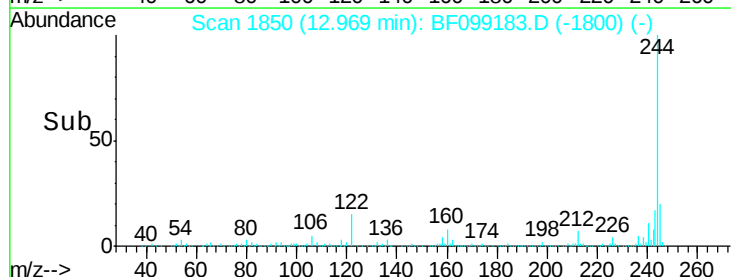
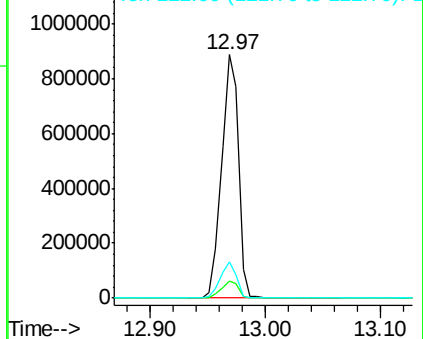
122 14.7 11.0 16.4

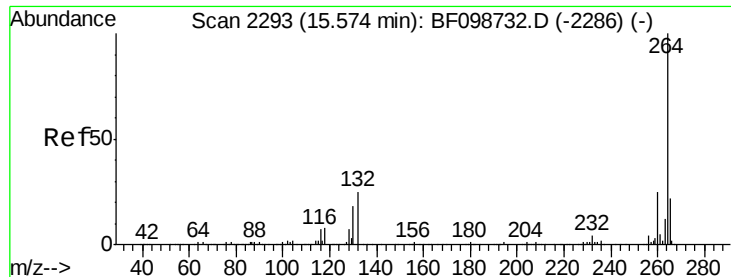


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

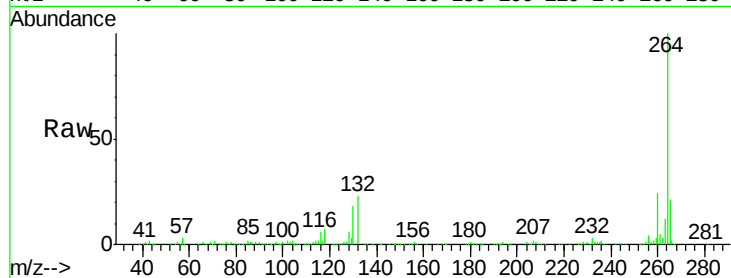




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BF099183.D  
Acq: 7 Oct 2017 8:26

Instrument :  
BNA\_F  
ClientSampleId :  
RI-MW-3-GW

Tgt Ion: 264 Resp: 252517  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.2 28.8  
265 20.7 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

