

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\  
 Data File : BF100299.D  
 Acq On : 8 Nov 2017 18:43  
 Operator : SJ/JU  
 Sample : I6359-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Nov 09 00:20:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 08 14:33:31 2017  
 Response via : Initial Calibration

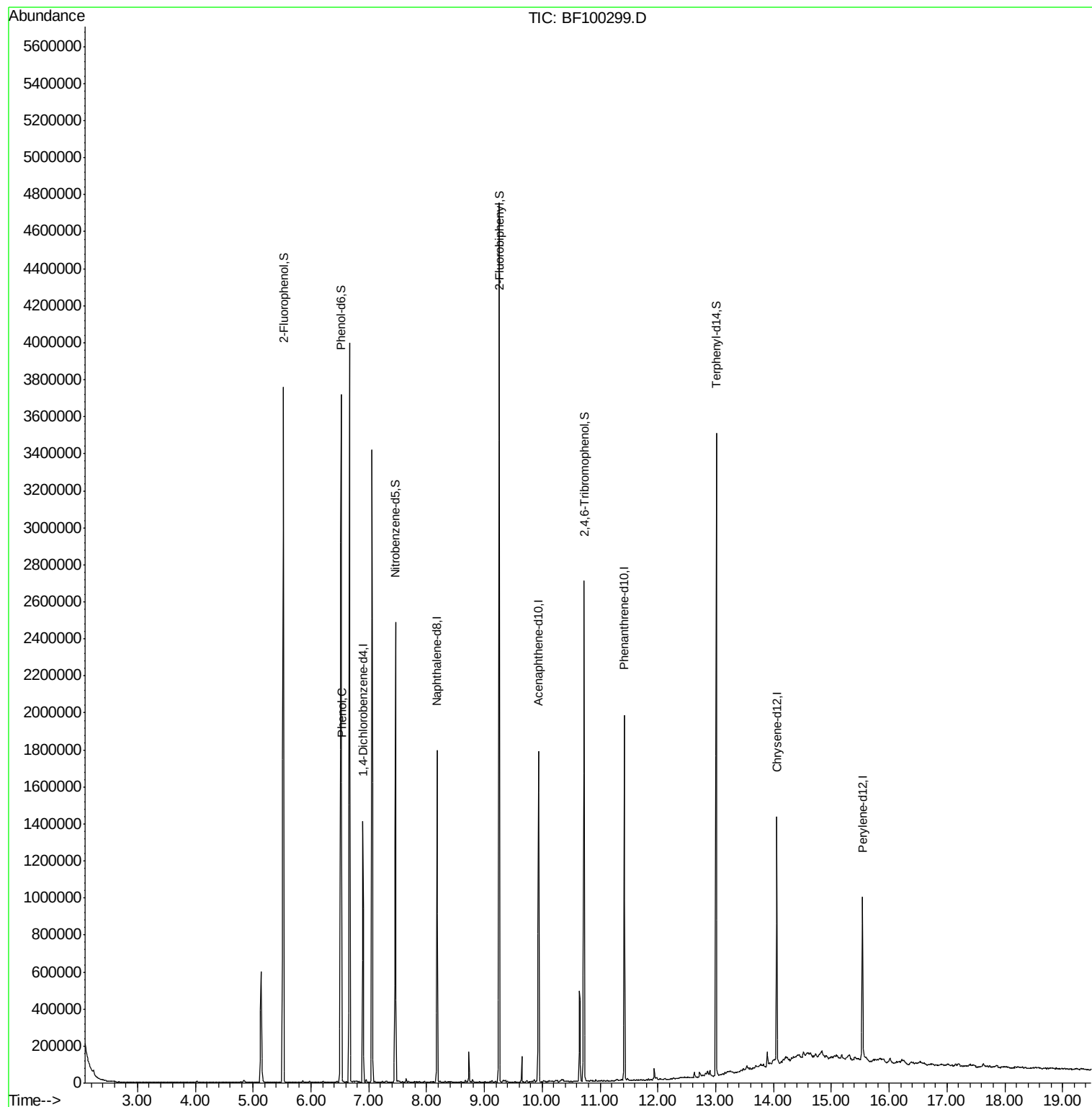
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 192806   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.18  | 136  | 776381   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.93  | 164  | 356322   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.42 | 188  | 643875   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 14.06 | 240  | 412278   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 15.54 | 264  | 406255   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.52  | 112  | 1111737  | 92.43 | ng    | 0.01         |
| 7) Phenol-d6                | 6.52  | 99   | 1358682  | 91.60 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 825153   | 70.27 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 341201   | 93.97 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 1545387  | 66.04 | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.01 | 244  | 1226753  | 68.37 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 10) Phenol                  | 6.53  | 94   | 36152    | 2.322 | ng    | Qvalue<br>95 |

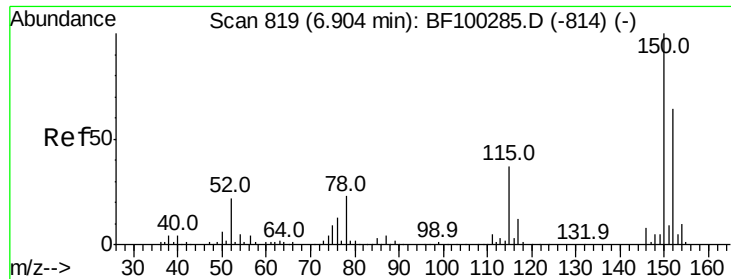
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\  
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BNA\_F  
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TP-1

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
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Response via : Initial Calibration



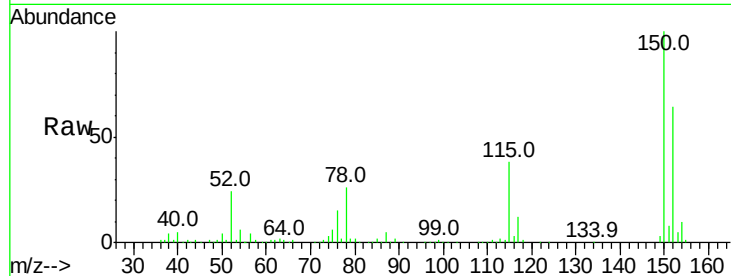


#1

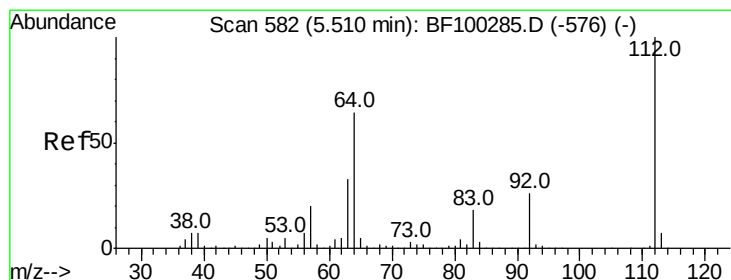
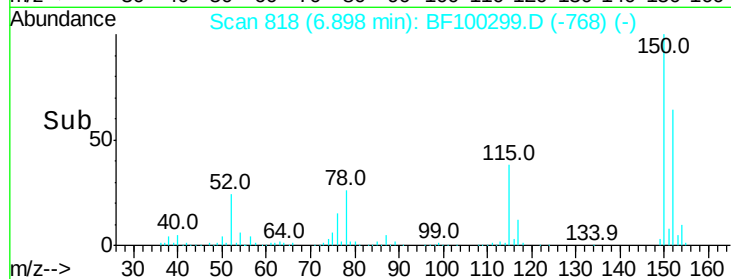
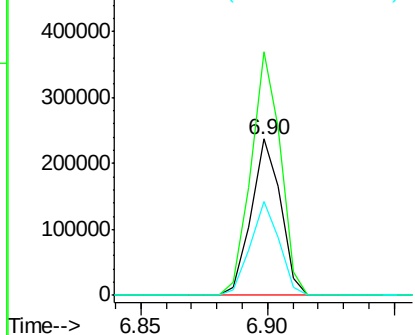
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Instrument :  
BNA\_F  
ClientSampled :  
TP-1

Tot Ion:152 Resp: 192806  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 59.7 50.1 75.1



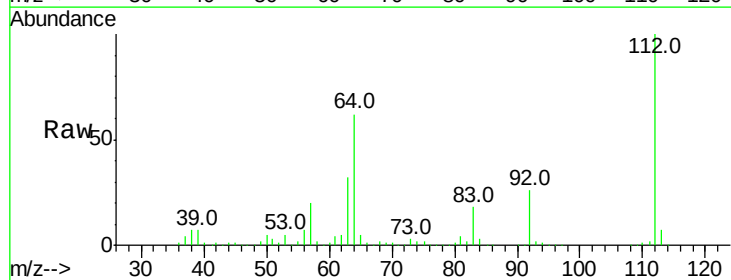
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



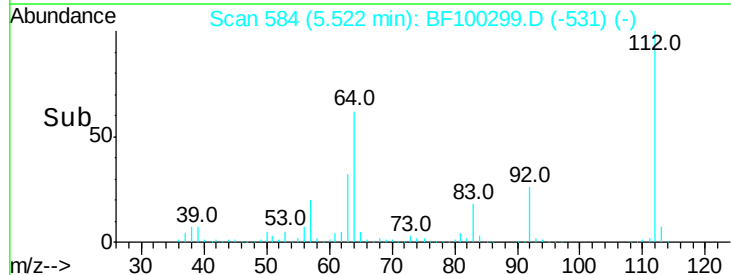
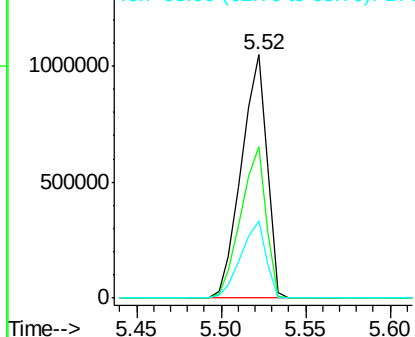
#5

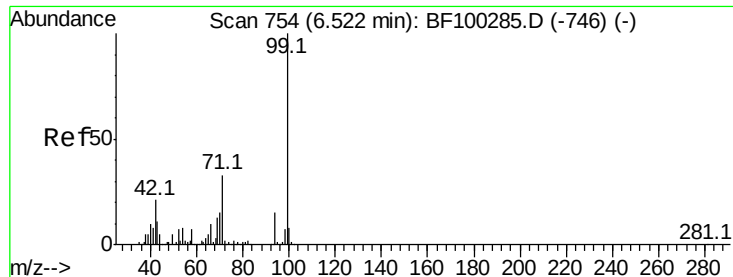
2-Fluorophenol  
Concen: 92.430 ng  
RT: 5.52 min Scan# 584  
Delta R.T. 0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Tgt Ion:112 Resp: 1111737  
Ion Ratio Lower Upper  
112 100  
64 62.2 47.9 71.9  
63 31.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.605 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100299.D

Acq: 8 Nov 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

TP-1

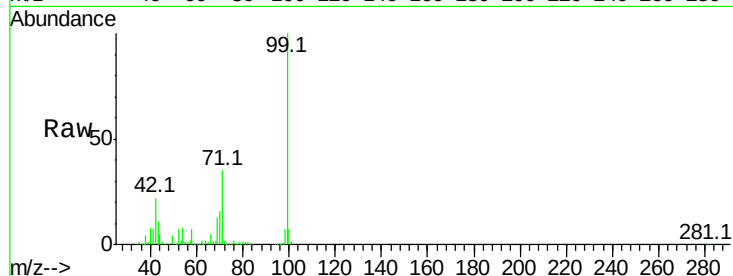
Tot Ion: 99 Resp: 1358682

Ion Ratio Lower Upper

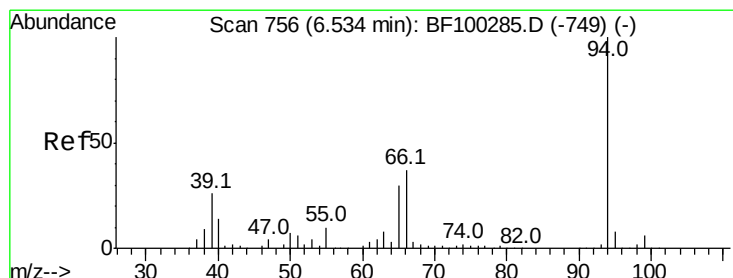
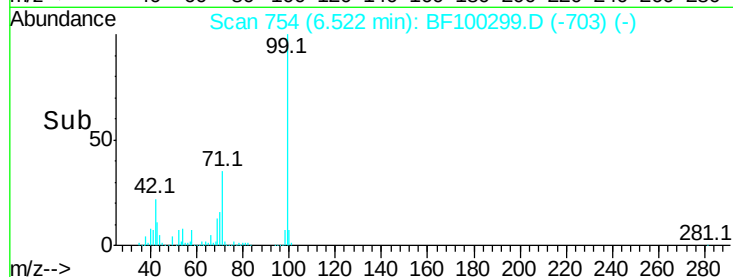
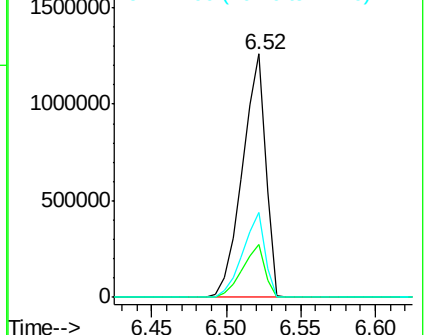
99 100

42 21.7 14.5 21.7

71 34.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.322 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF100299.D

Acq: 8 Nov 2017 18:43

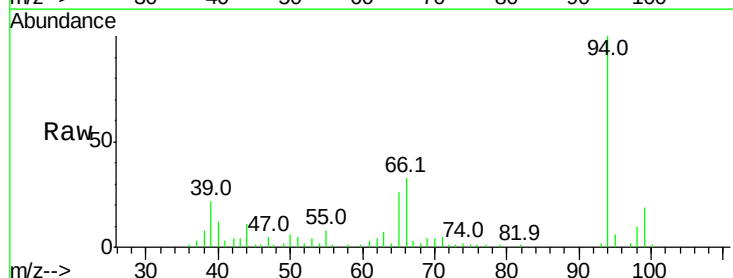
Tgt Ion: 94 Resp: 36152

Ion Ratio Lower Upper

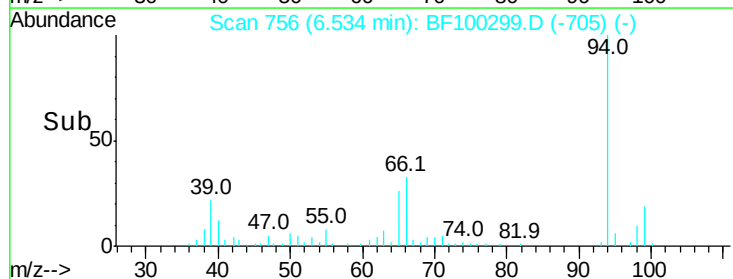
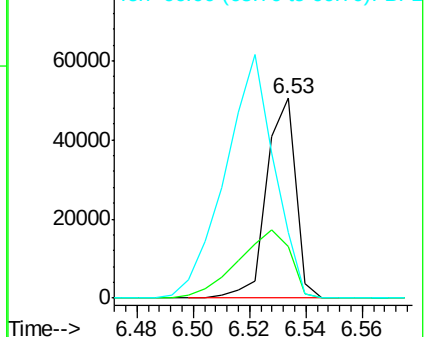
94 100

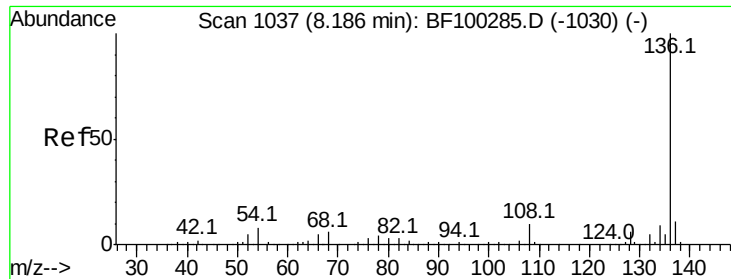
65 26.2 7.9 47.9

66 33.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

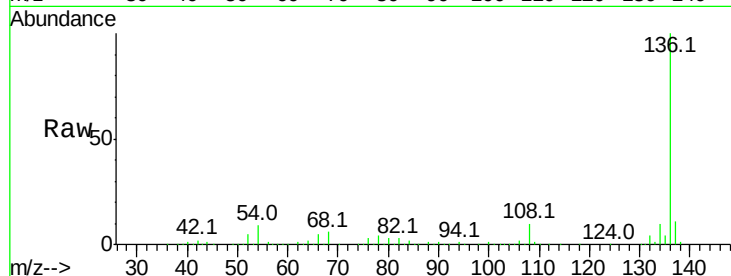




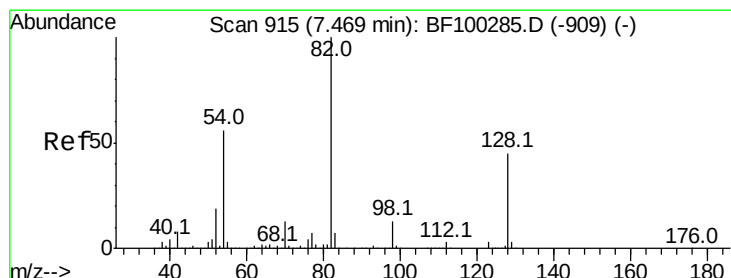
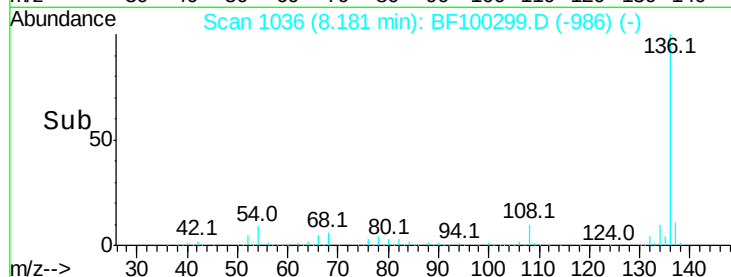
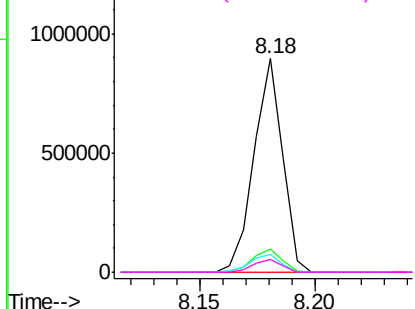
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 776381 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.0    | 8.9   | 13.3   |
| 54 8.7      | 6.6   | 9.8    |
| 68 6.0      | 5.0   | 7.4    |

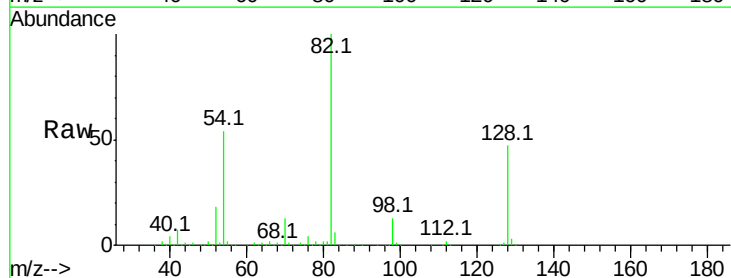


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

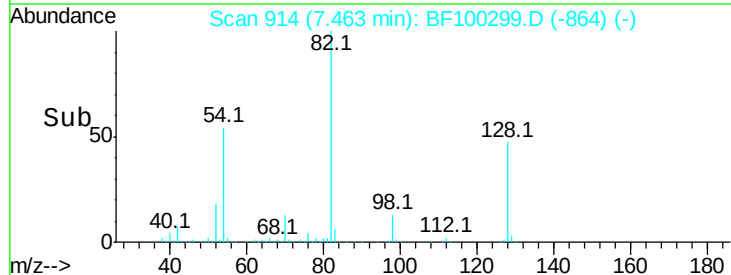
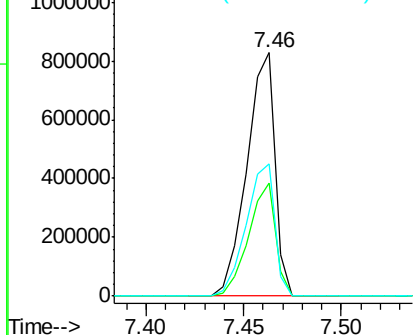


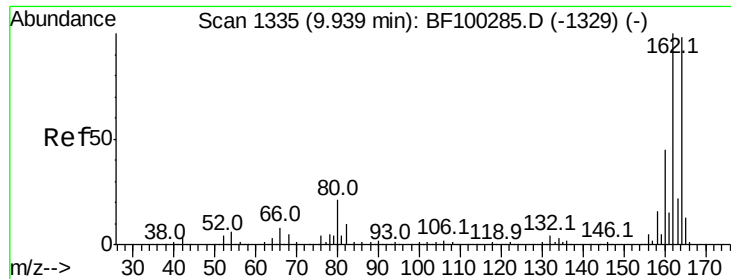
#23  
Nitrobenzene-d5  
Concen: 70.267 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 825153 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 46.5    | 36.1  | 54.1   |
| 54  | 54.4    | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

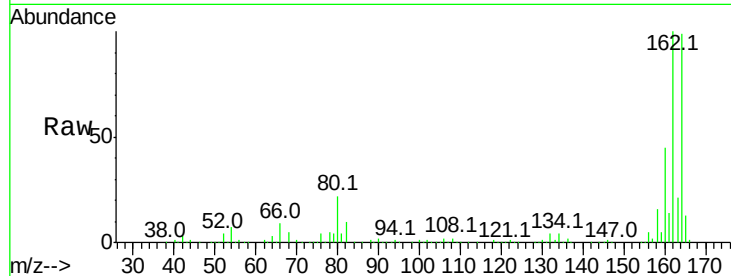




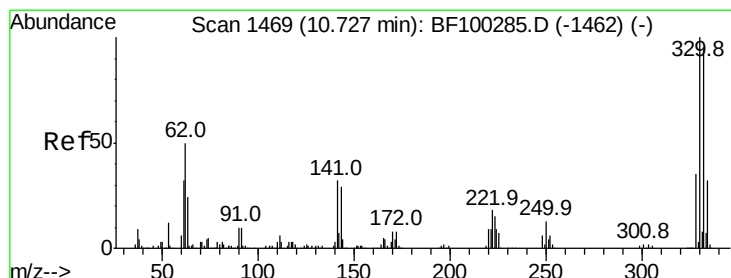
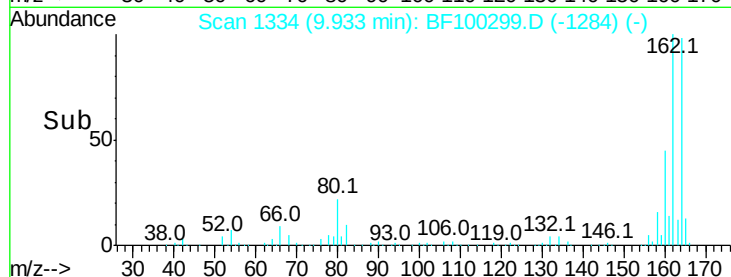
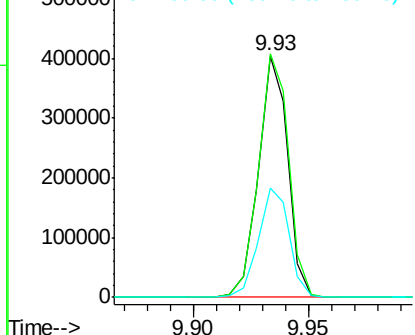
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tot Ion:164 Resp: 356322  
Ion Ratio Lower Upper  
164 100  
162 100.8 86.1 129.1  
160 45.2 38.3 57.5

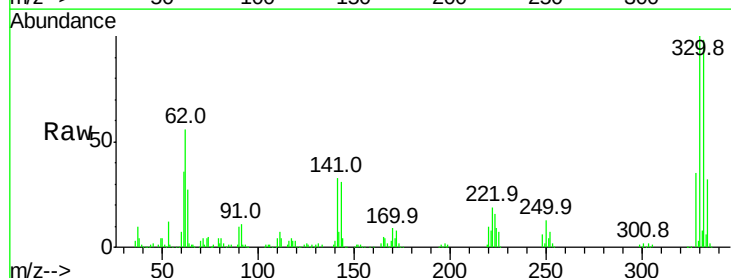


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

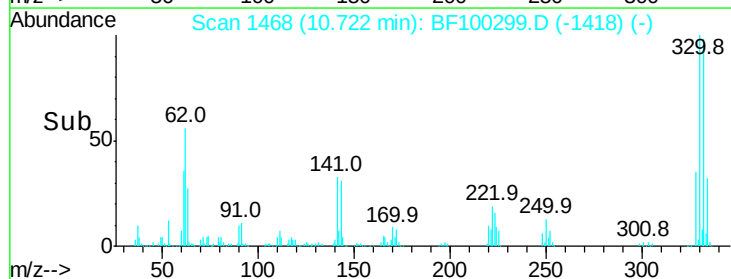
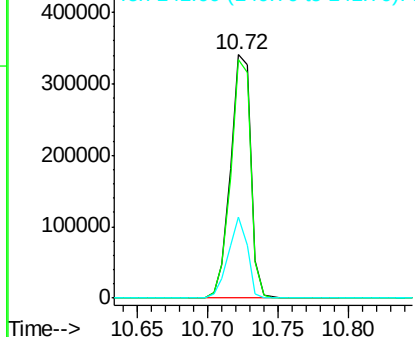


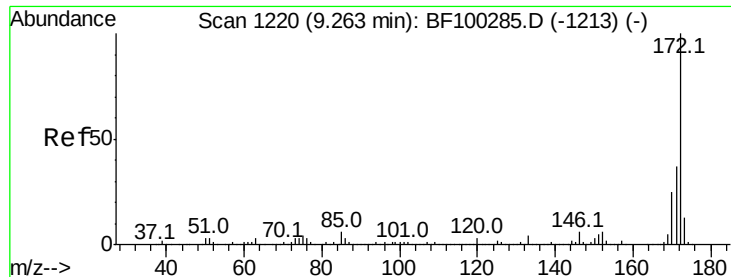
#41  
2,4,6-Tribromophenol  
Concen: 93.971 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Tgt Ion:330 Resp: 341201  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 31.2 29.9 44.9



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



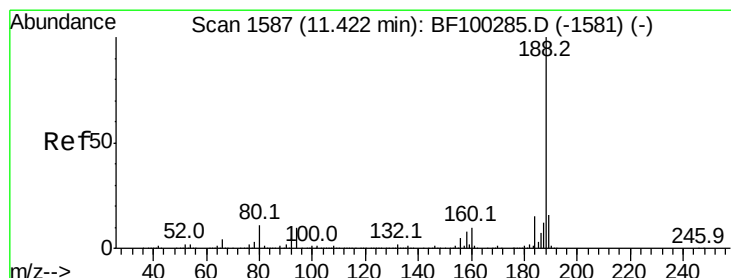
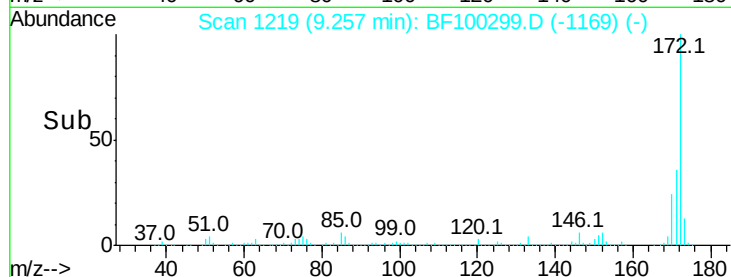
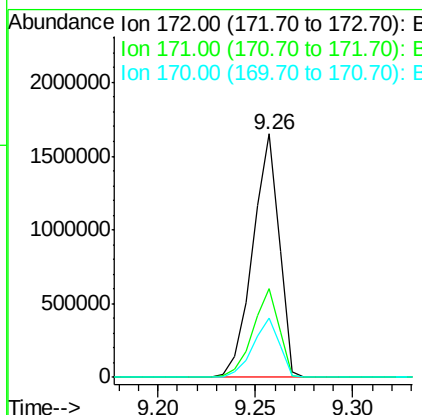
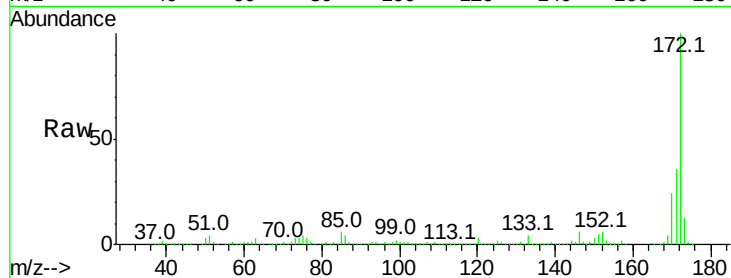


#44  
 2-Fluorobiphenyl  
 Concen: 66.041 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: BF100299.D  
 Acq: 8 Nov 2017 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Tot Ion:172 Resp: 1545387  

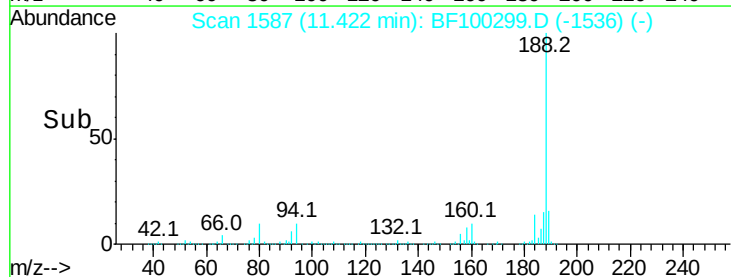
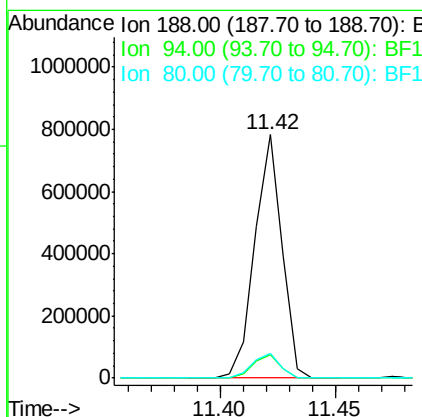
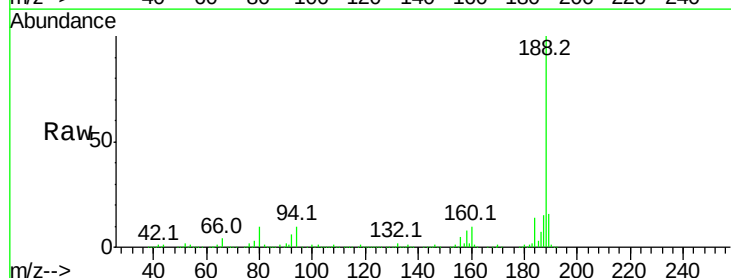
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.7  | 44.5  |
| 170 | 24.2  | 19.6  | 29.4  |

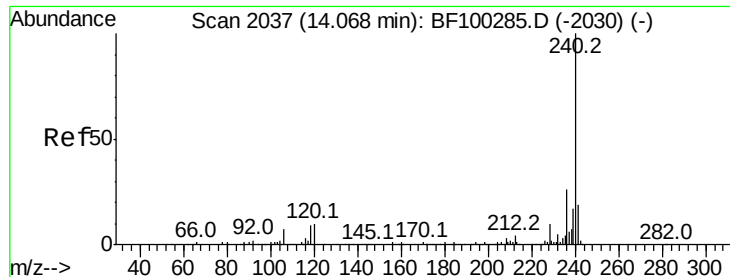


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. 0.00 min  
 Lab File: BF100299.D  
 Acq: 8 Nov 2017 18:43

Tgt Ion:188 Resp: 643875  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.8   | 8.5   | 12.7  |
| 80  | 10.4  | 9.2   | 13.8  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF100299.D

Acq: 8 Nov 2017 18:43

Instrument :

BNA\_F

ClientSampleId :

TP-1

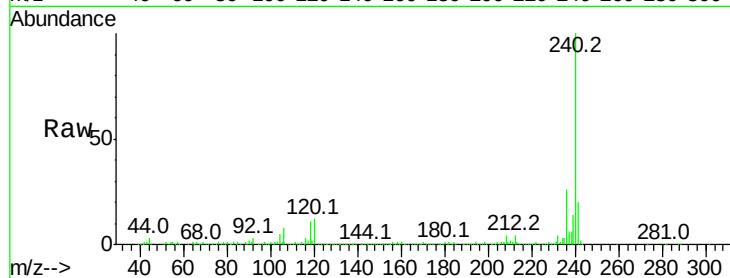
Tot Ion:240 Resp: 412278

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

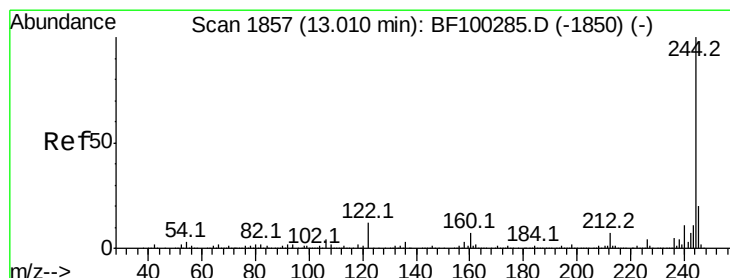
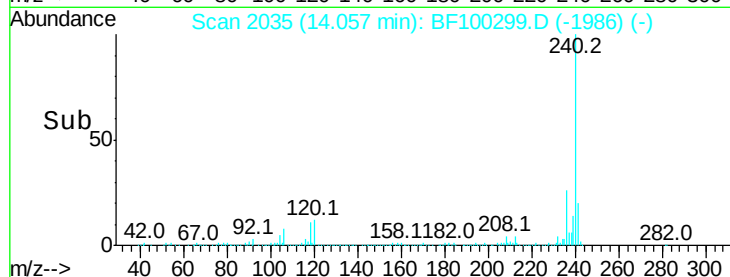
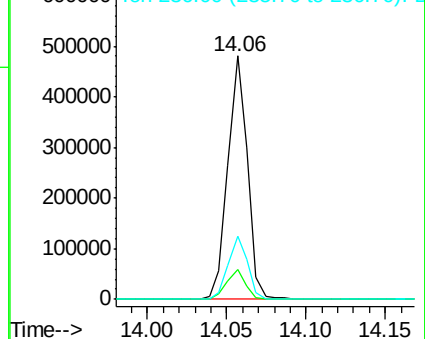
236 26.0 20.7 31.1



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: 68.369 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100299.D

Acq: 8 Nov 2017 18:43

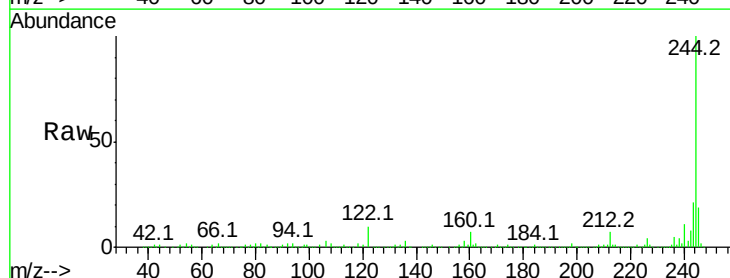
Tgt Ion:244 Resp: 1226753

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

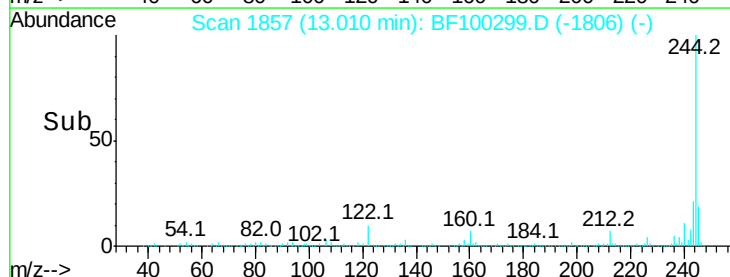
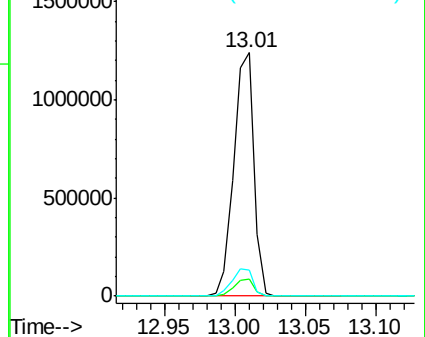
122 10.4 11.0 16.4#



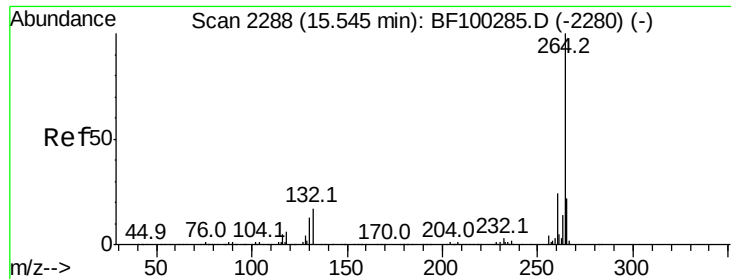
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2287  
Delta R.T. -0.01 min  
Lab File: BF100299.D  
Acq: 8 Nov 2017 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |

