

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\  
 Data File : BF099602.D  
 Acq On : 18 Oct 2017 00:58  
 Operator : SJ/JU  
 Sample : I5869-15  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11-10-11-17

Quant Time: Oct 18 03:01:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 17:32:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 104277   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.11  | 136  | 420495   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 180051   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 259980   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 171388   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.45 | 264  | 192512   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 352665   | 53.84 | ng    | 0.01     |
| 7) Phenol-d6                | 6.47  | 99   | 261698   | 32.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 542159   | 82.69 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 136646   | 92.75 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 986681   | 91.48 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 552636   | 73.33 | ng    | 0.00     |

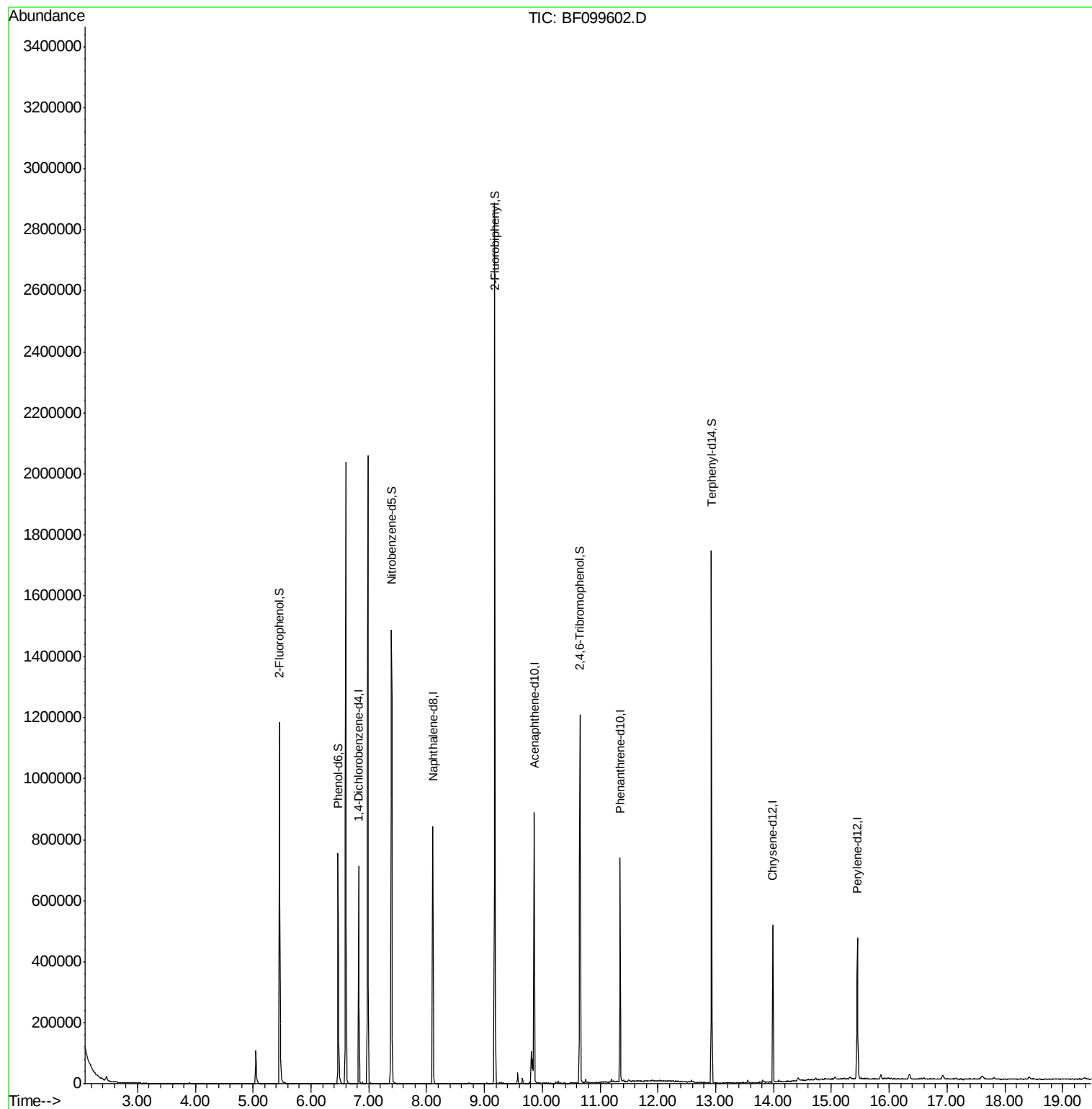
Target Compounds Qvalue

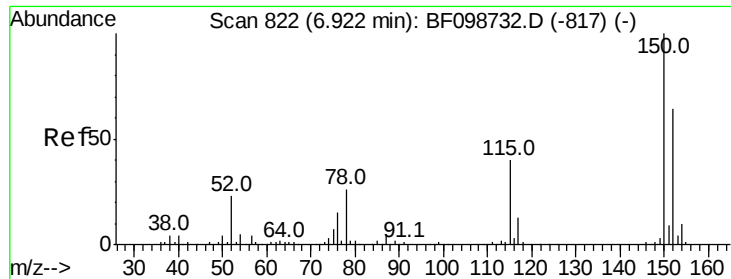
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-11-10-11-17

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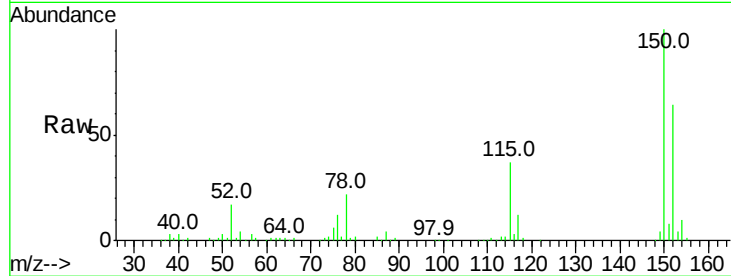


#1

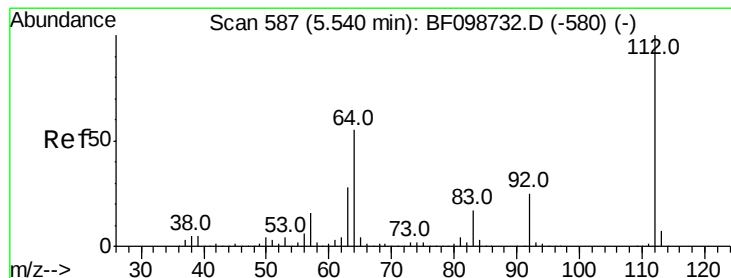
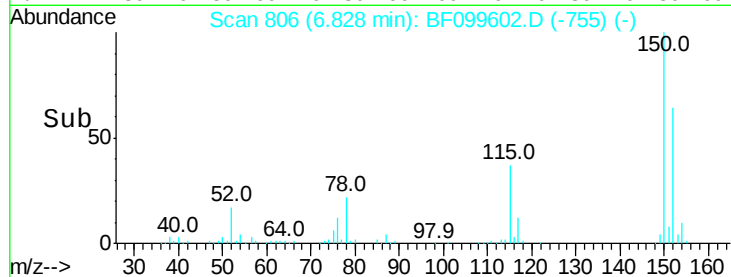
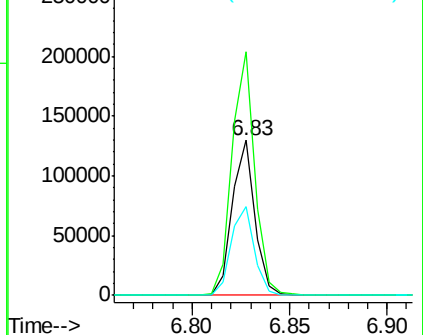
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF099602.D  
Acq: 18 Oct 2017 00:58

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11-10-11-17

Tot Ion:152 Resp: 104277  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 186.8  
115 57.4 50.1 75.1



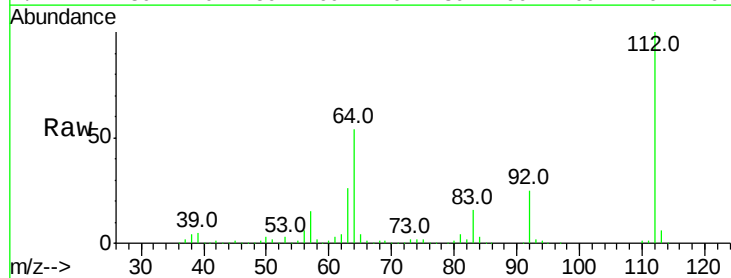
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



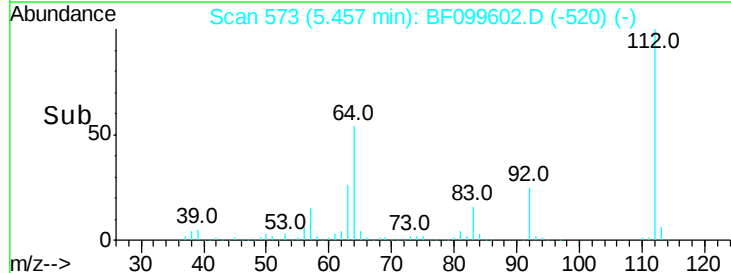
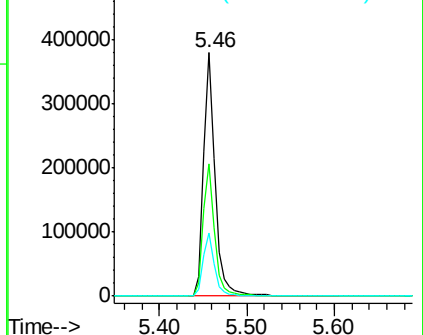
#5

2-Fluorophenol  
Concen: 53.838 ng  
RT: 5.46 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: BF099602.D  
Acq: 18 Oct 2017 00:58

Tgt Ion:112 Resp: 352665  
Ion Ratio Lower Upper  
112 100  
64 54.2 47.9 71.9  
63 25.9 23.7 35.5



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: 32.385 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF099602.D

Acq: 18 Oct 2017 00:58

Instrument :

BNA\_F

ClientSampleId :

MW-11-10-11-17

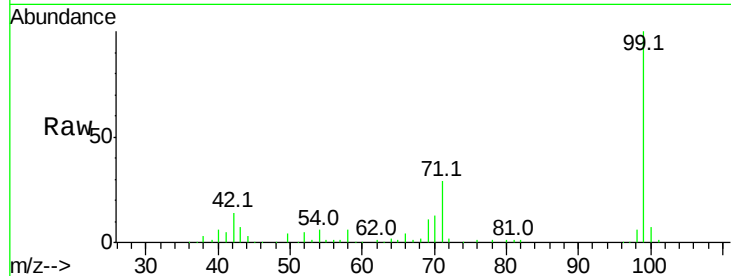
Tot Ion: 99 Resp: 261698

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

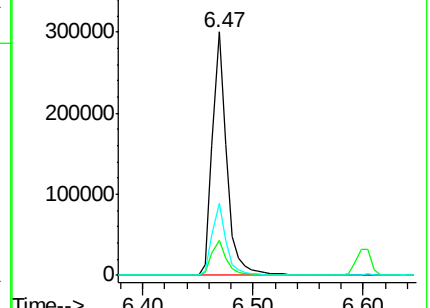
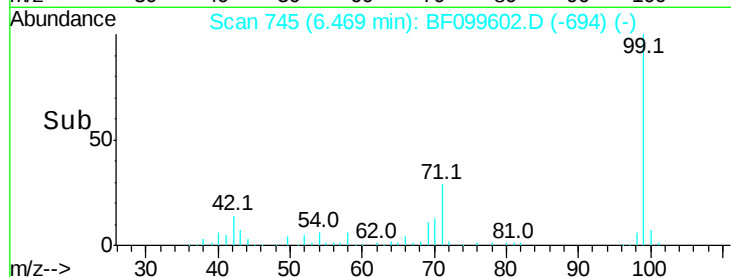
71 29.5 25.4 38.0



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: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF099602.D

Acq: 18 Oct 2017 00:58

Tgt Ion: 136 Resp: 420495

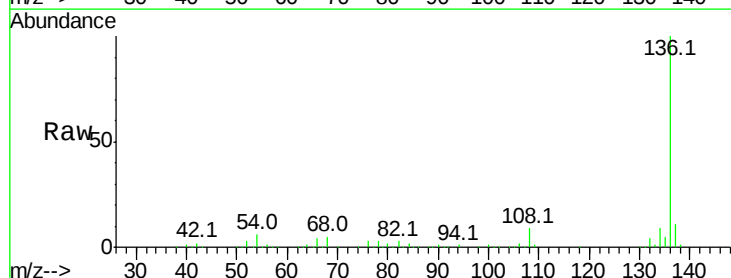
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

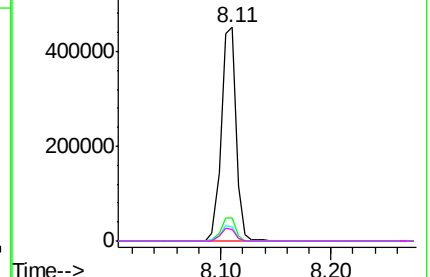
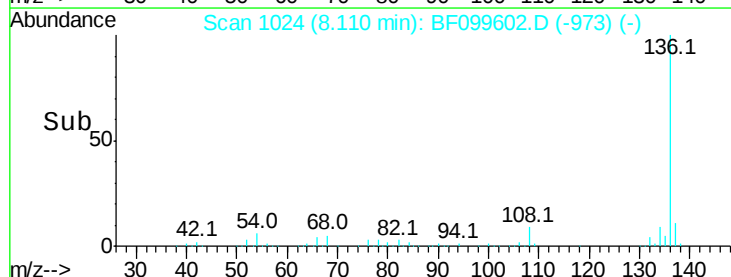


Abundance Ion 136.00 (135.70 to 136.70): E

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

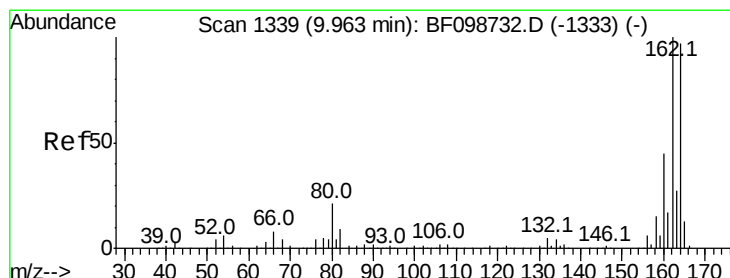
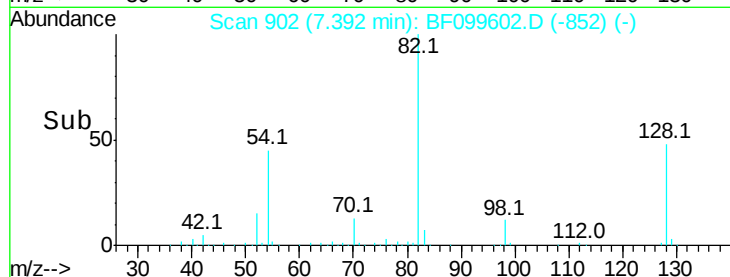
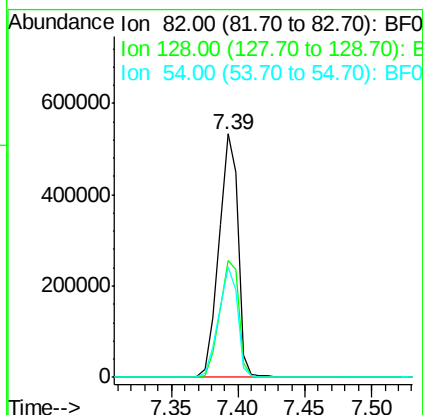
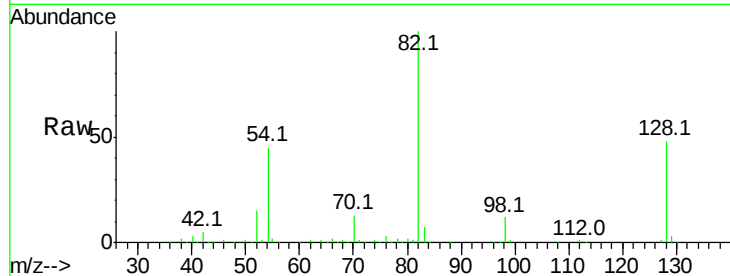




#23  
 Nitrobenzene-d5  
 Concen: 82.685 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.01 min  
 Lab File: BF099602.D  
 Acq: 18 Oct 2017 00:58

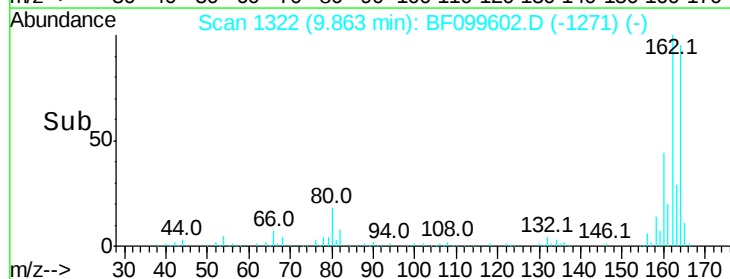
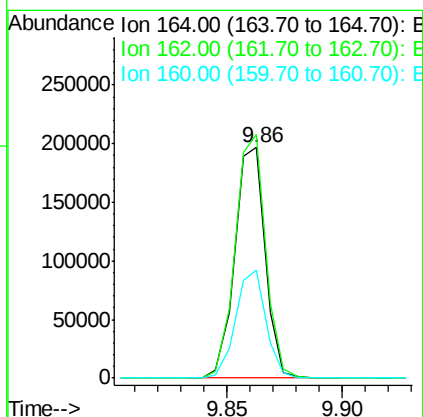
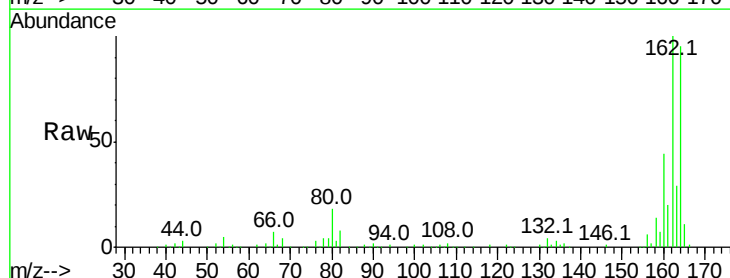
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11-10-11-17

| Tot Ion   | 82    | Resp  | 542159 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.9  | 36.1  | 54.1   |
| 54        | 45.3  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: BF099602.D  
 Acq: 18 Oct 2017 00:58

| Tgt Ion   | 164   | Resp  | 180051 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.6 | 86.1  | 129.1  |
| 160       | 46.7  | 38.3  | 57.5   |

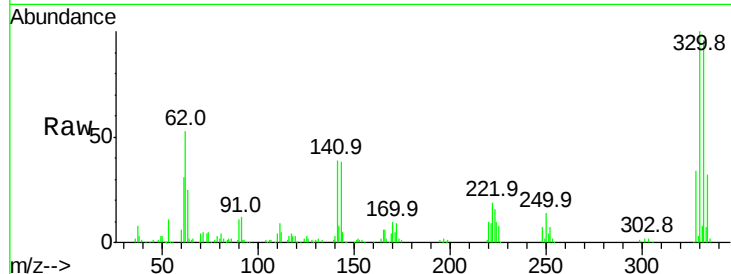




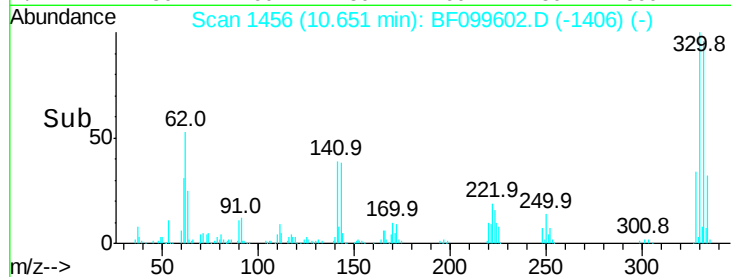
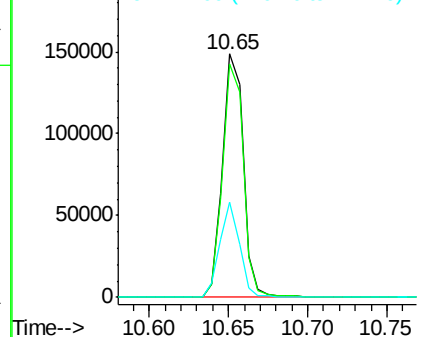
#41  
 2,4,6-Tribromophenol  
 Concen: 92.748 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.01 min  
 Lab File: BF099602.D  
 Acq: 18 Oct 2017 00:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11-10-11-17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 37.2  | 29.9  | 44.9  |

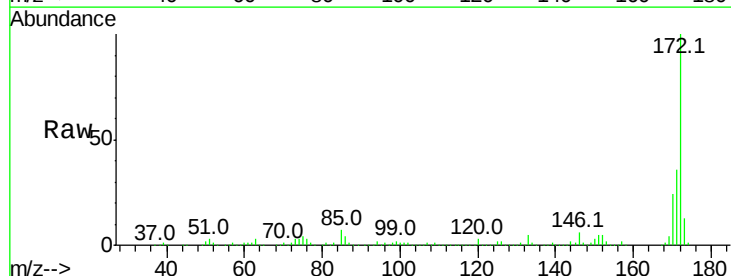


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

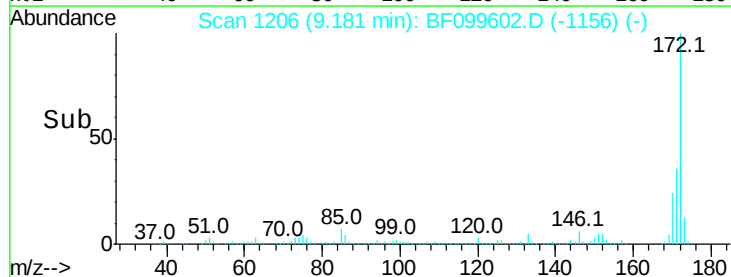
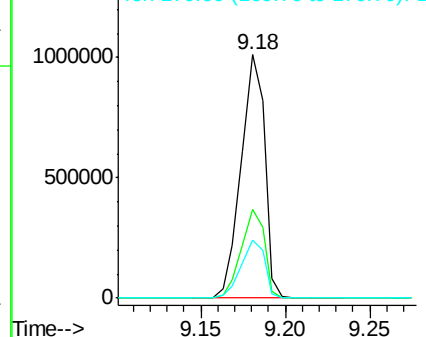


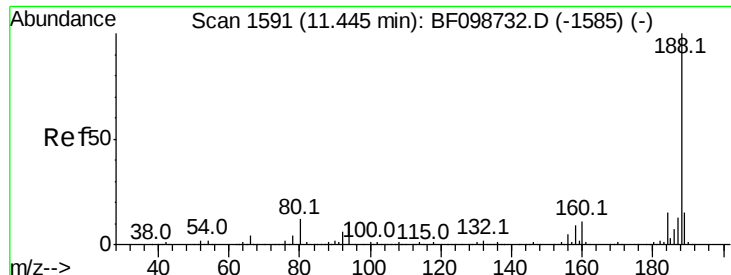
#44  
 2-Fluorobiphenyl  
 Concen: 91.484 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF099602.D  
 Acq: 18 Oct 2017 00:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |



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

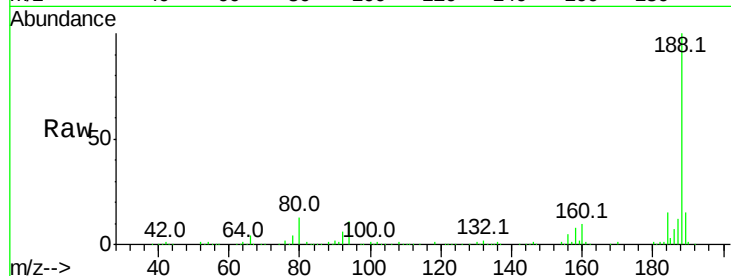




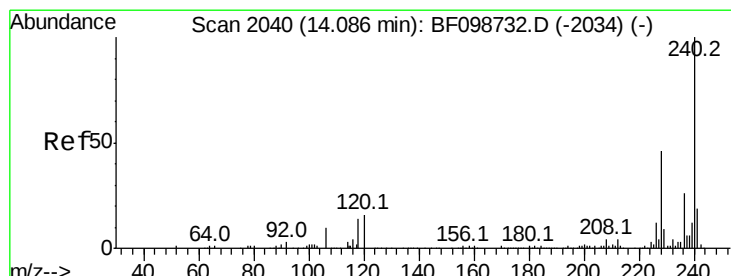
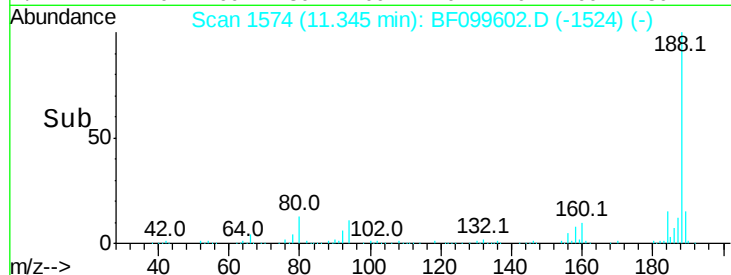
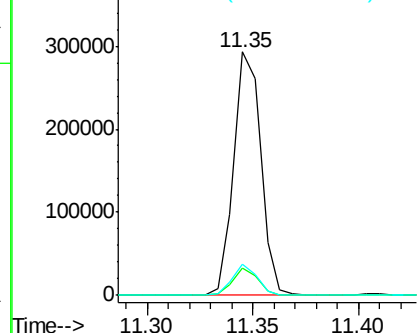
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF099602.D  
Acq: 18 Oct 2017 00:58

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11-10-11-17

Tot Ion:188 Resp: 259980  
Ion Ratio Lower Upper  
188 100  
94 11.2 8.5 12.7  
80 12.6 9.2 13.8

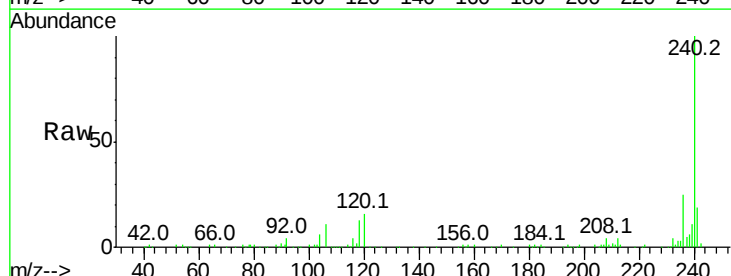


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

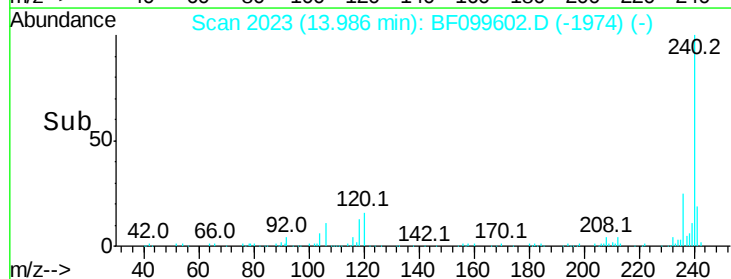
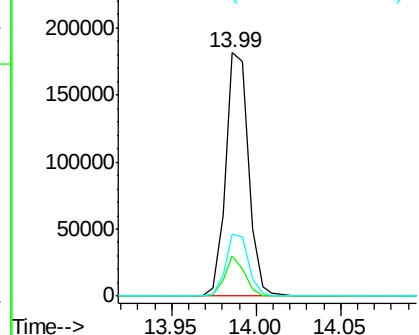


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BF099602.D  
Acq: 18 Oct 2017 00:58

Tgt Ion:240 Resp: 171388  
Ion Ratio Lower Upper  
240 100  
120 16.4 9.5 14.3#  
236 25.4 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: 73.331 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099602.D

Acq: 18 Oct 2017 00:58

Instrument :

BNA\_F

ClientSampleId :

MW-11-10-11-17

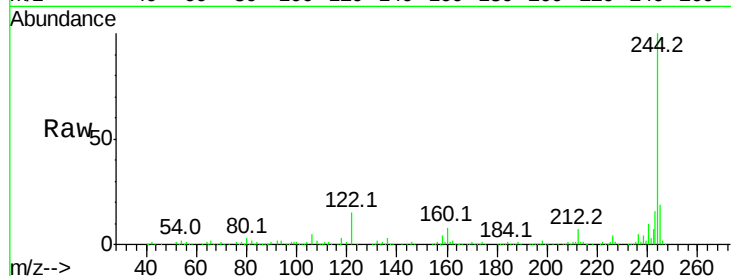
Tot Ion:244 Resp: 552636

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

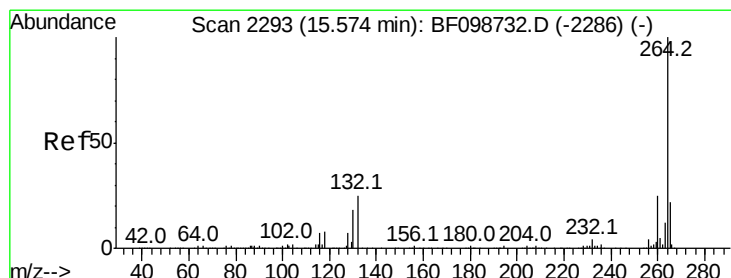
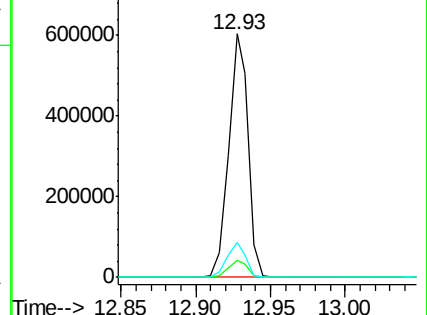
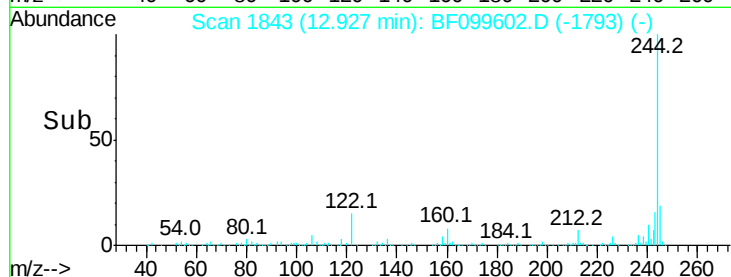
122 14.6 11.0 16.4



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: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF099602.D

Acq: 18 Oct 2017 00:58

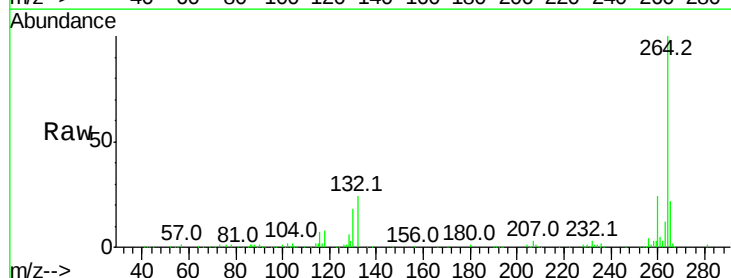
Tgt Ion:264 Resp: 192512

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 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

