

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\  
 Data File : BF099683.D  
 Acq On : 20 Oct 2017 3:24  
 Operator : SJ/JU  
 Sample : I5927-03  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101317-TIFR-E-D-B

Quant Time: Oct 20 13:53:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 20 13:11:43 2017  
 Response via : Initial Calibration

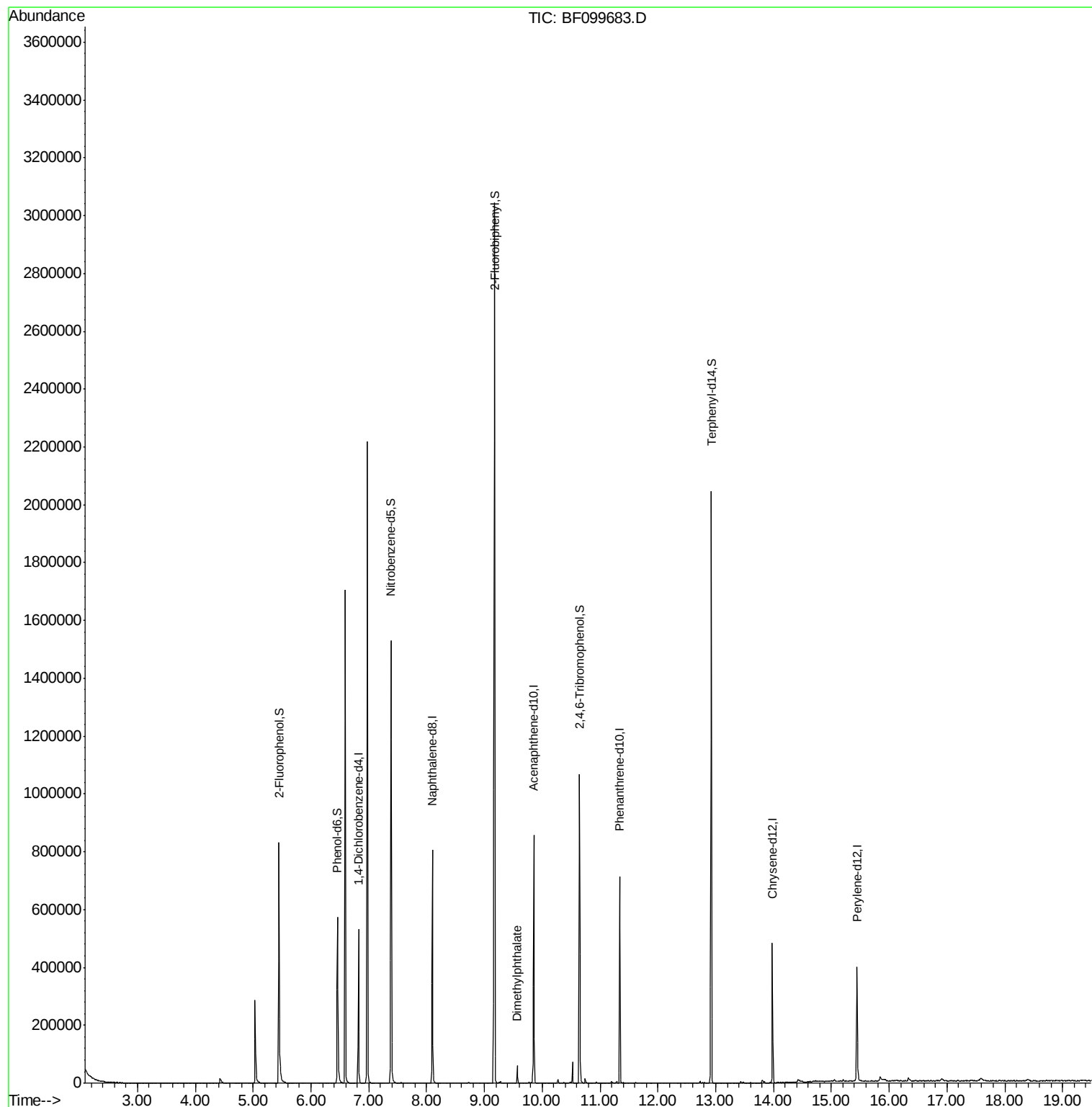
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 90722    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 369825   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 162322   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 249765   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 164987   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 171788   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 276933   | 48.59  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 223537   | 31.80  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 559399   | 97.00  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 120186   | 90.49  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1066535  | 109.69 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 718053   | 98.98  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.57  | 163  | 24798    | 2.024  | ng    | 99       |

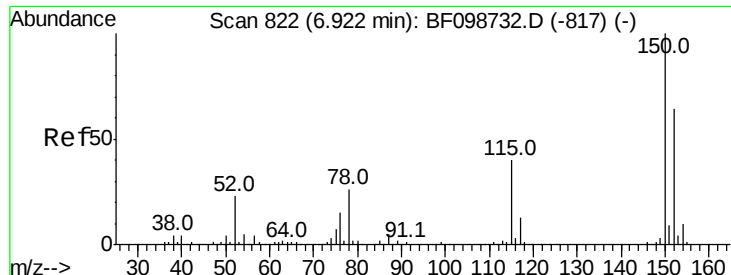
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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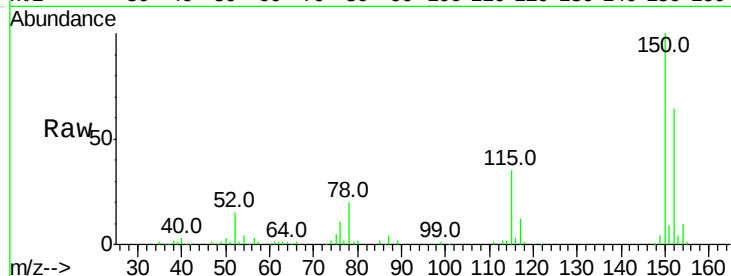


#1

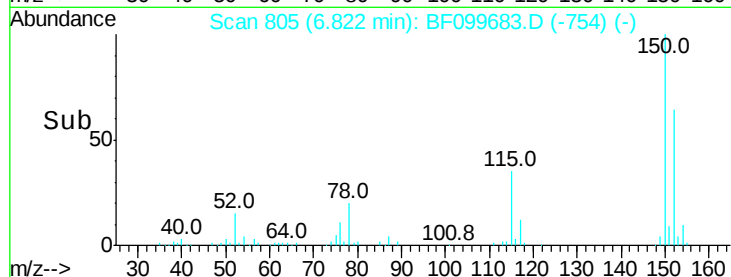
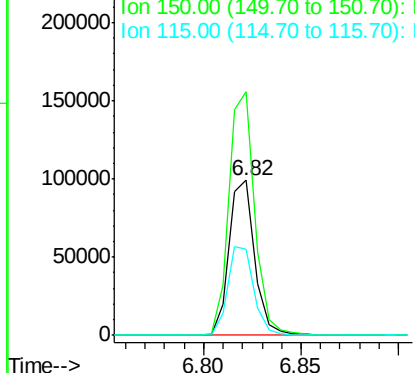
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: BF099683.D  
Acq: 20 Oct 2017 3:24

Instrument :  
BNA\_F  
ClientSampleId :  
101317-TIFR-E-D-B

Tot Ion:152 Resp: 90722  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 186.8  
115 55.7 50.1 75.1



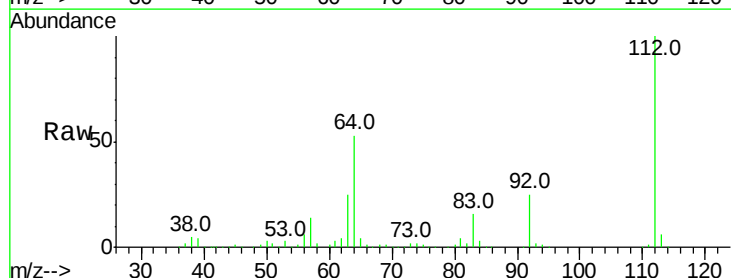
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



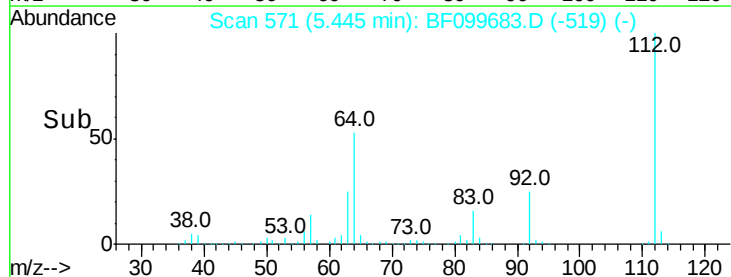
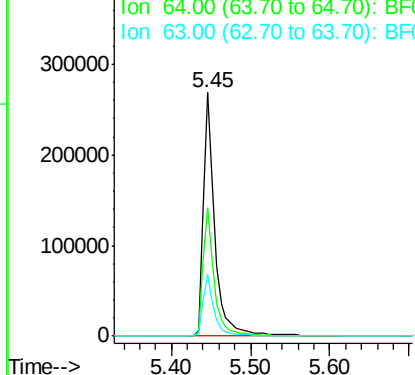
#5

2-Fluorophenol  
Concen: 48.593 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF099683.D  
Acq: 20 Oct 2017 3:24

Tgt Ion:112 Resp: 276933  
Ion Ratio Lower Upper  
112 100  
64 52.9 47.9 71.9  
63 25.3 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: 31.796 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA\_F

ClientSampleId :

101317-TIFR-E-D-B

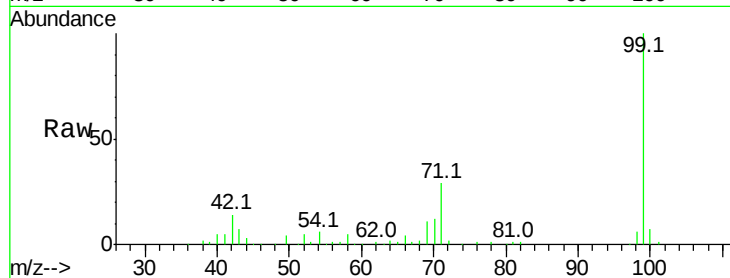
Tot Ion: 99 Resp: 223537

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

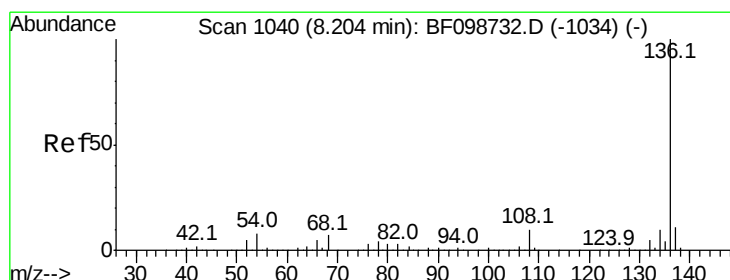
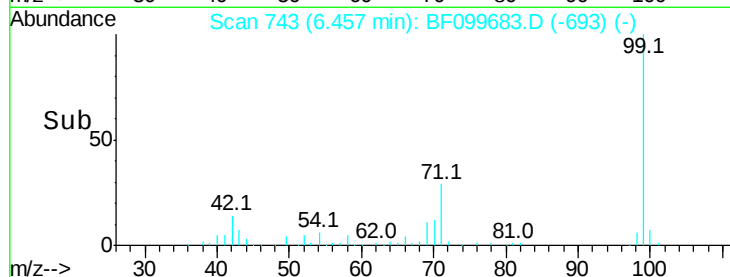
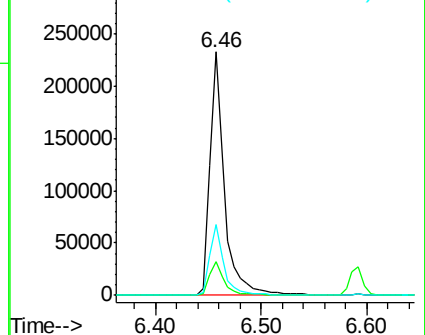
71 28.9 25.4 38.0



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: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Tgt Ion: 136 Resp: 369825

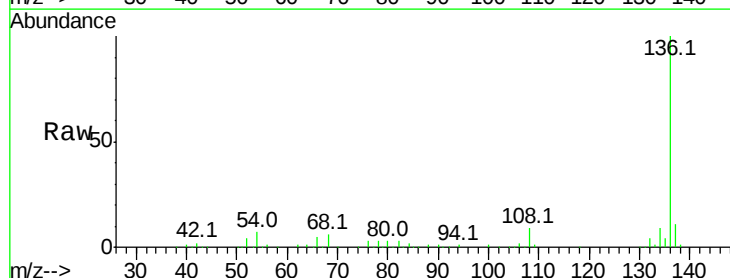
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 5.9 5.0 7.4

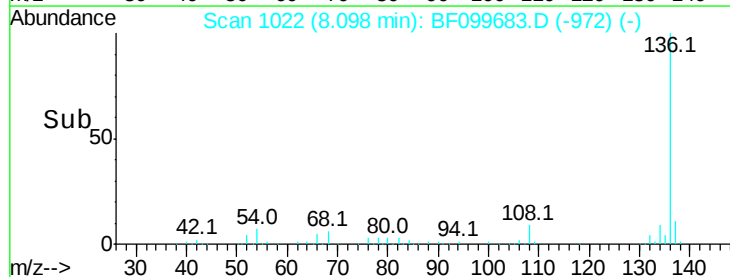
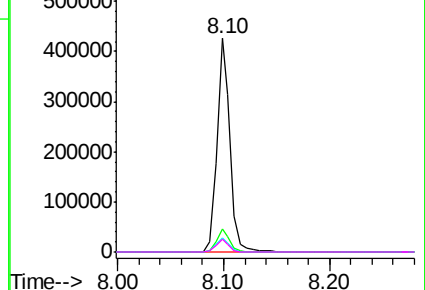


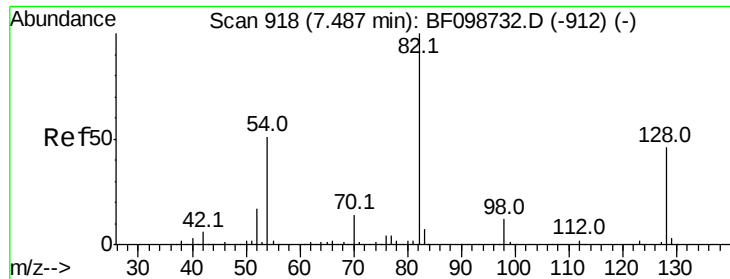
Abundance Ion 136.00 (135.70 to 136.70): E

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

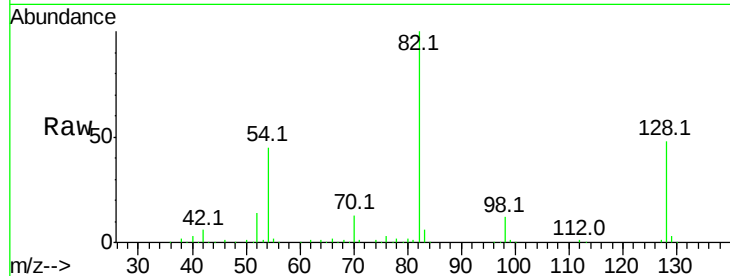




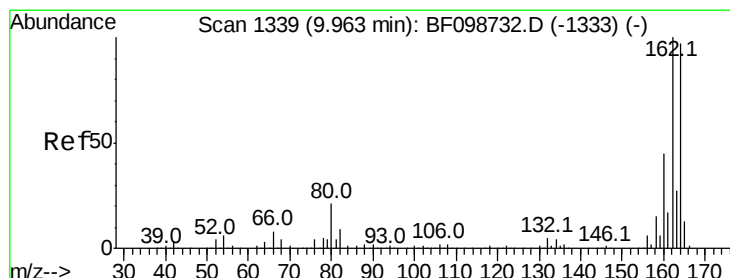
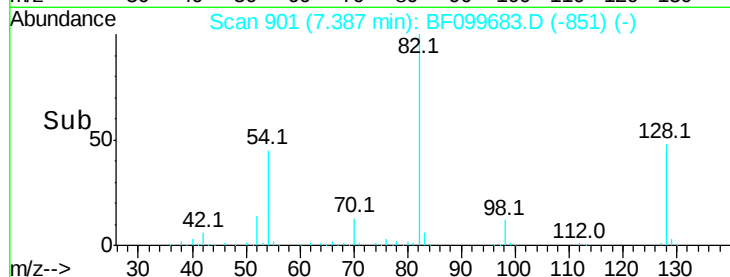
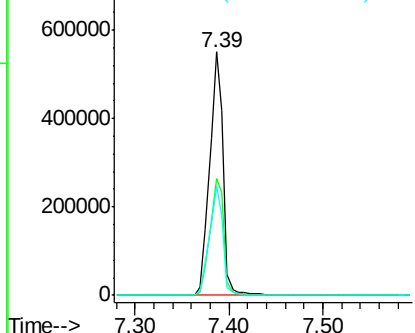
#23  
 Nitrobenzene-d5  
 Concen: 97.004 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: BF099683.D  
 Acq: 20 Oct 2017 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101317-TIFR-E-D-B

Tot Ion: 82 Resp: 559399  
 Ion Ratio Lower Upper  
 82 100  
 128 48.1 36.1 54.1  
 54 44.8 41.4 62.2

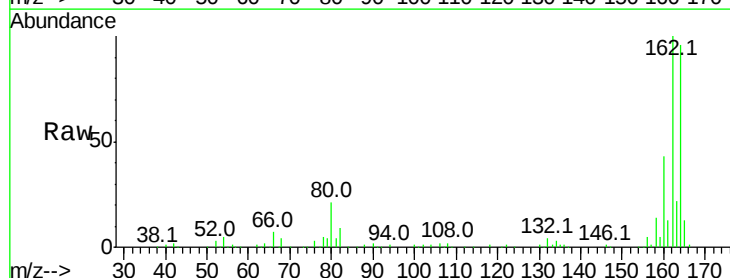


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

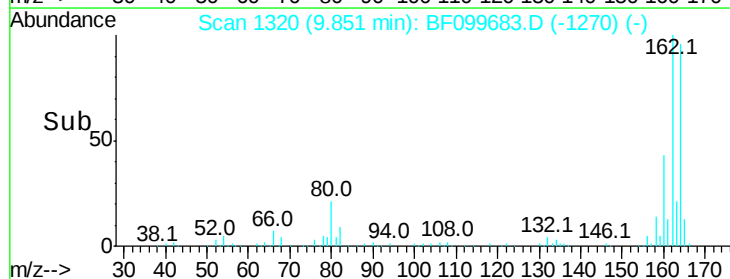
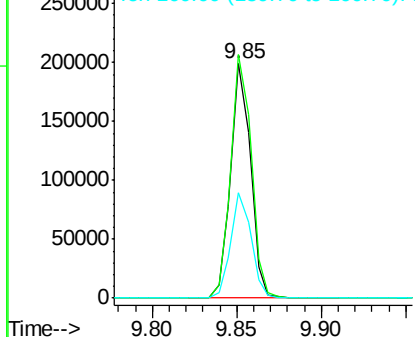


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: BF099683.D  
 Acq: 20 Oct 2017 3:24

Tgt Ion: 164 Resp: 162322  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 86.1 129.1  
 160 44.9 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

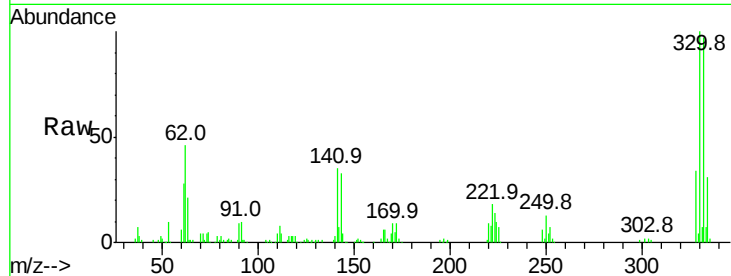




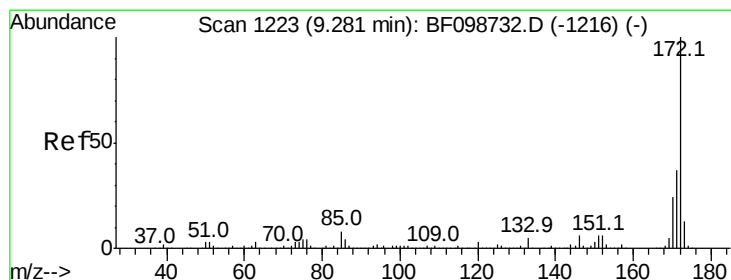
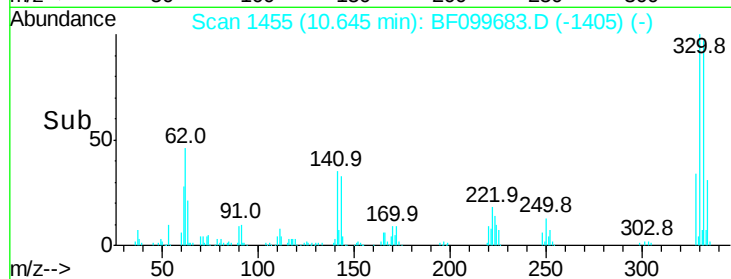
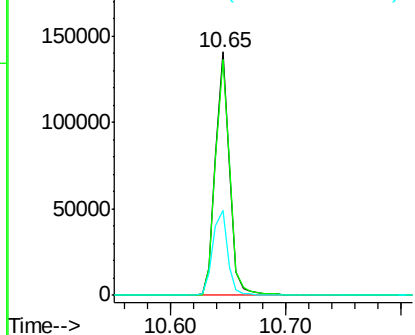
#41  
 2,4,6-Tribromophenol  
 Concen: 90.486 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BF099683.D  
 Acq: 20 Oct 2017 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101317-TIFR-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.0  | 115.6 |
| 141     | 37.0  | 29.9  | 44.9  |

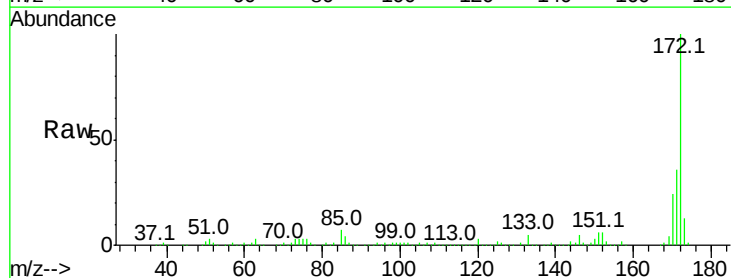


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

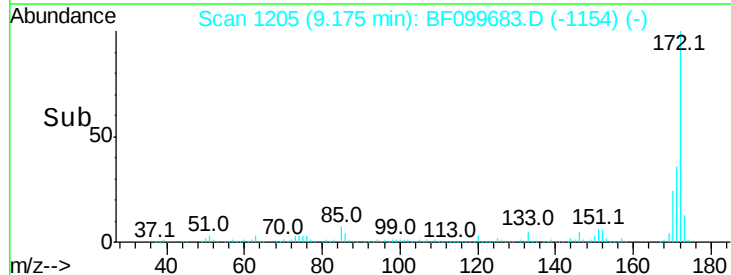
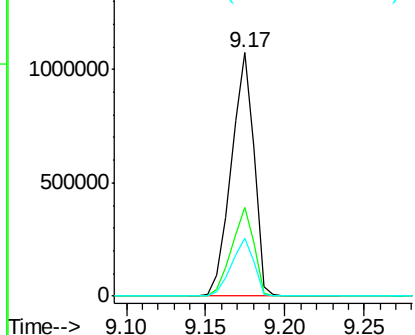


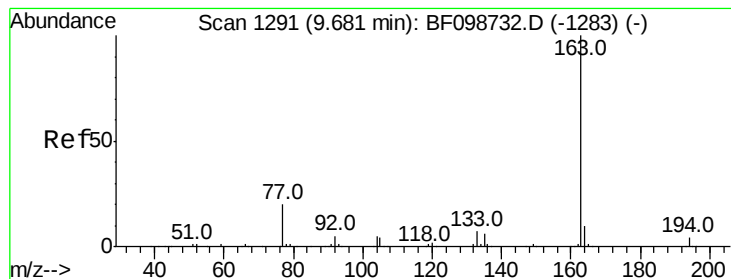
#44  
 2-Fluorobiphenyl  
 Concen: 109.689 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BF099683.D  
 Acq: 20 Oct 2017 3:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.1  | 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





#49

Dimethylphthalate

Concen: 2.024 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA\_F

ClientSampleId :

101317-TIFR-E-D-B

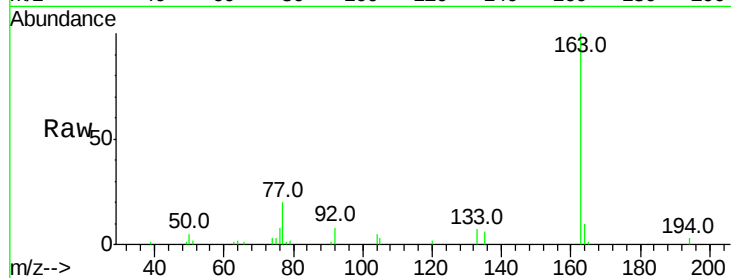
Tot Ion:163 Resp: 24798

Ion Ratio Lower Upper

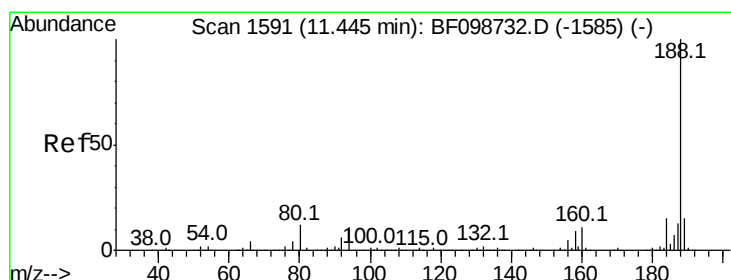
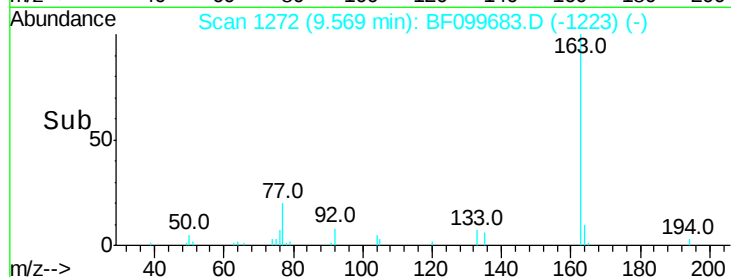
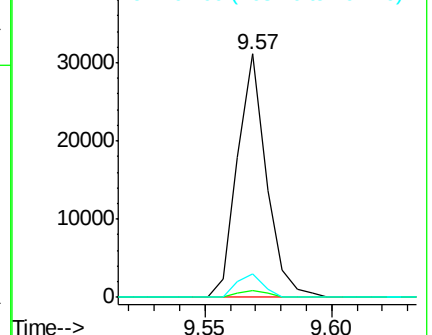
163 100

194 2.9 2.7 4.1

164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

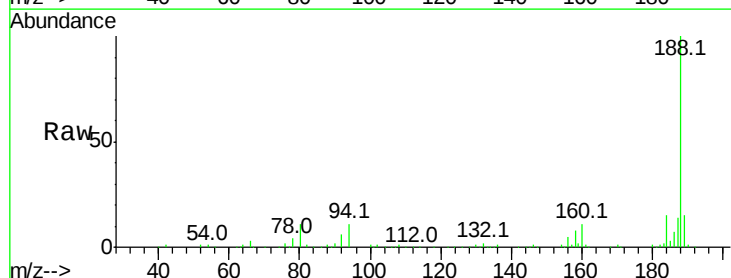
Tgt Ion:188 Resp: 249765

Ion Ratio Lower Upper

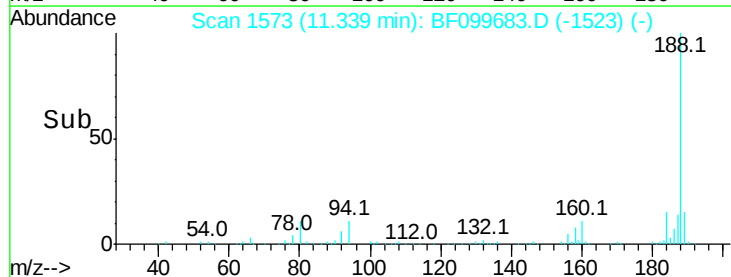
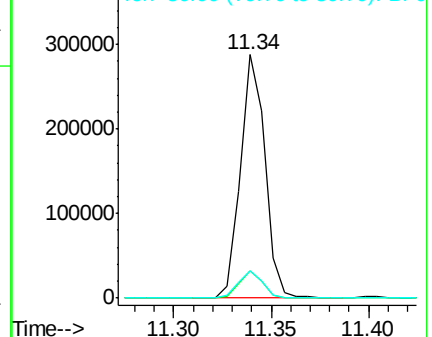
188 100

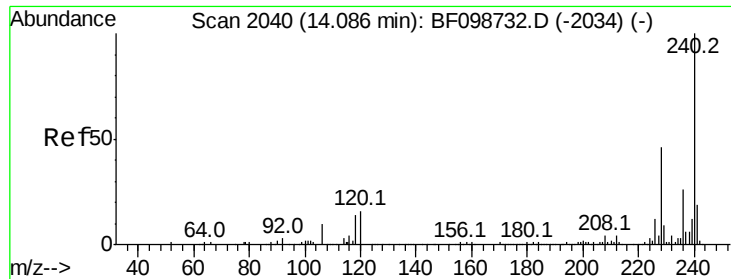
94 11.3 8.5 12.7

80 11.4 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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA\_F

ClientSampleId :

101317-TIFR-E-D-B

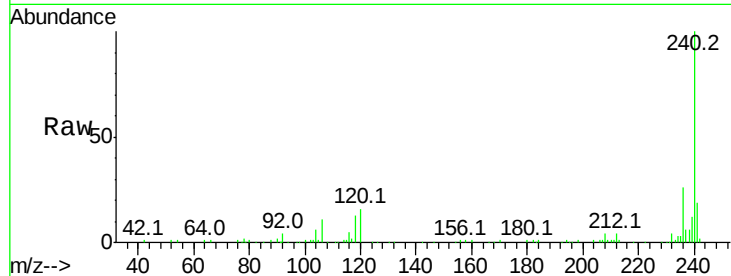
Tot Ion:240 Resp: 164987

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

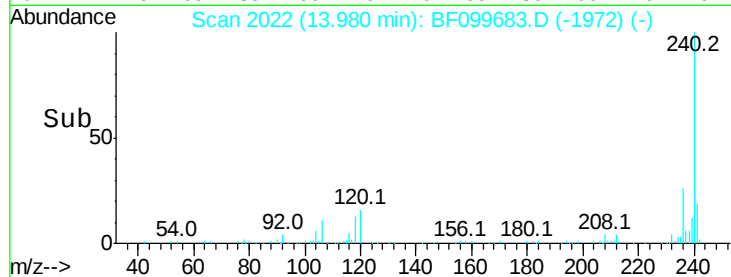
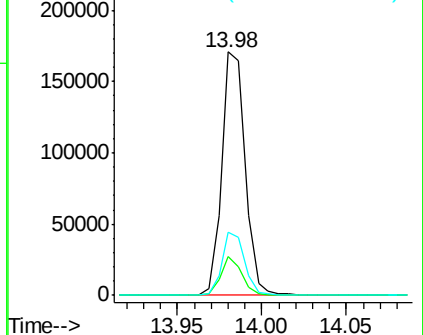
236 26.1 20.7 31.1



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: 98.977 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

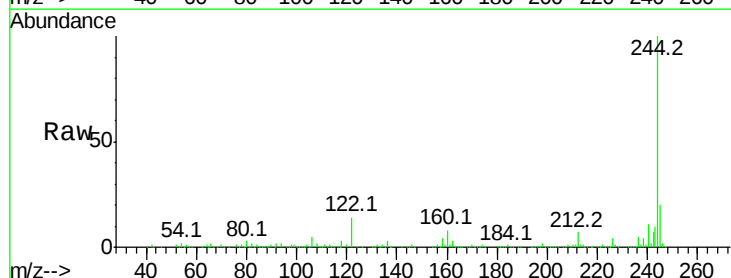
Tgt Ion:244 Resp: 718053

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

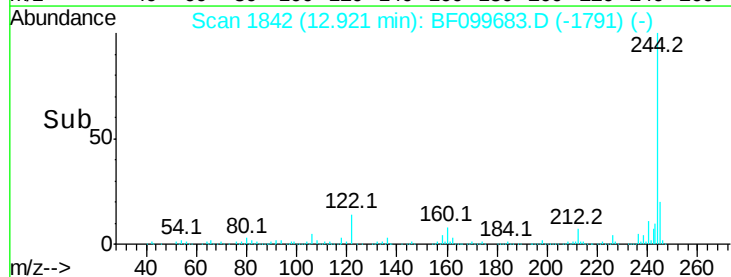
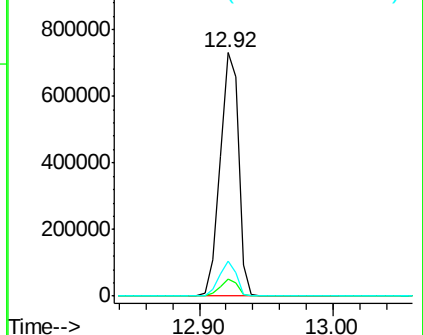
122 14.2 11.0 16.4



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

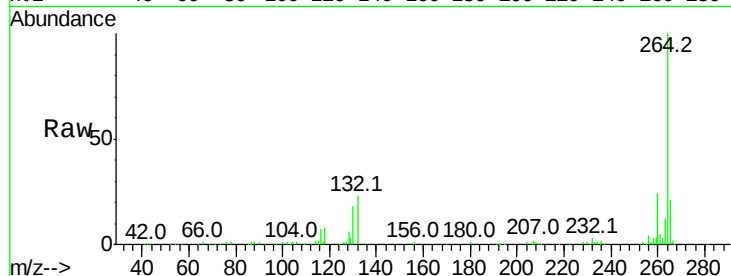




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: BF099683.D  
 Acq: 20 Oct 2017 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101317-TIFR-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 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

