

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\  
 Data File : BF099603.D  
 Acq On : 18 Oct 2017 1:26  
 Operator : SJ/JU  
 Sample : I5837-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20170685-FB

Quant Time: Oct 18 03:04:14 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  | 111331   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 454381   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 185012   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 292633   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 185425   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.45 | 264  | 125105   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 439600   | 62.86  | ng    | 0.01     |
| 7) Phenol-d6                | 6.47  | 99   | 311438   | 36.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 658683   | 92.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 187763   | 124.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1177063  | 106.21 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 723223   | 88.70  | ng    | 0.00     |

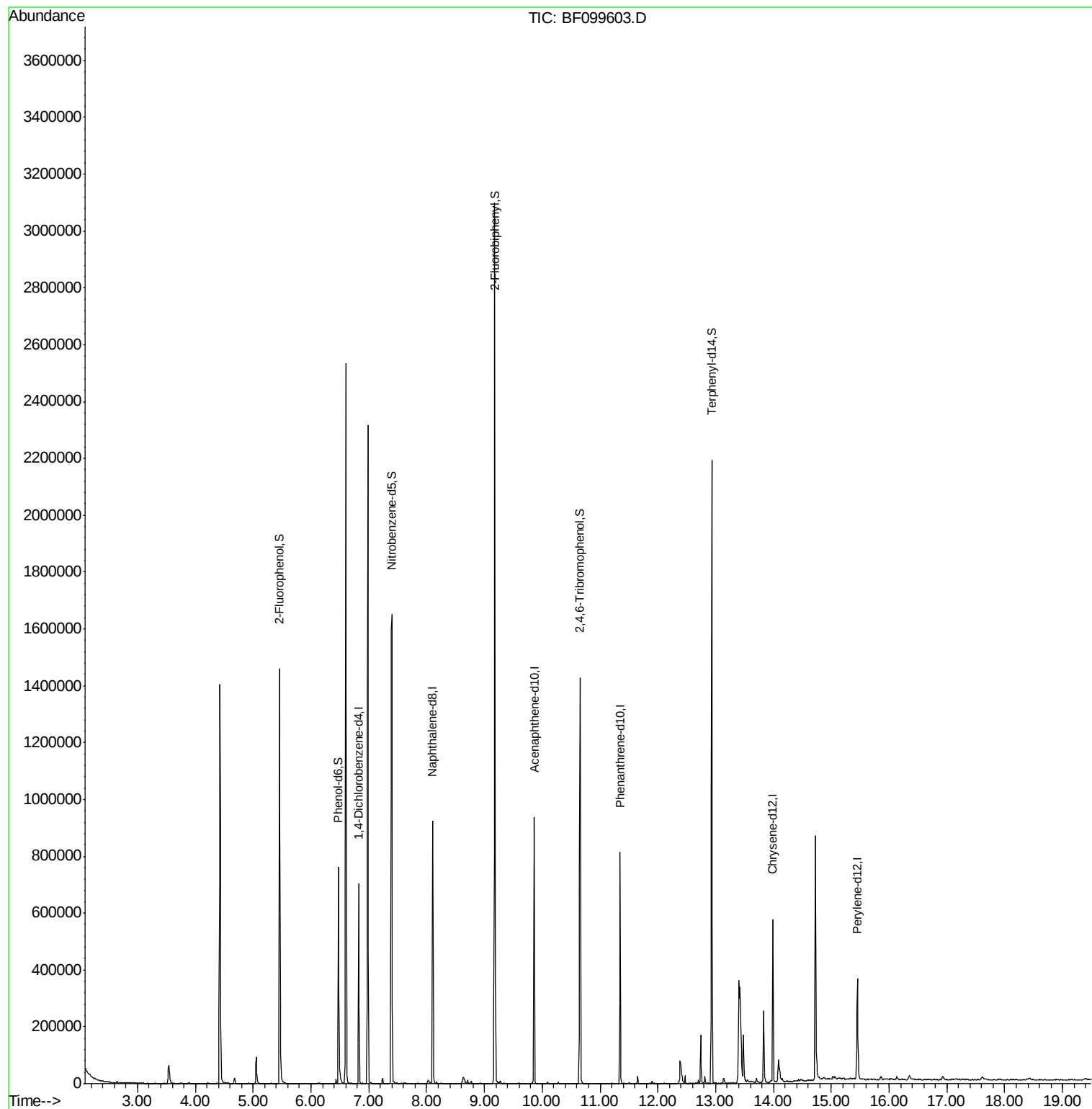
Target Compounds Qvalue

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

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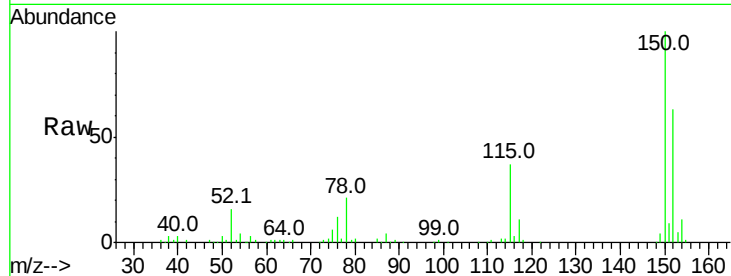


#1

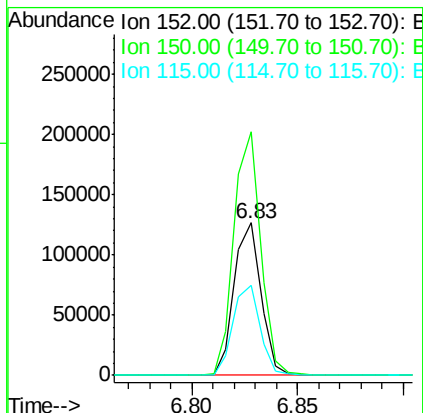
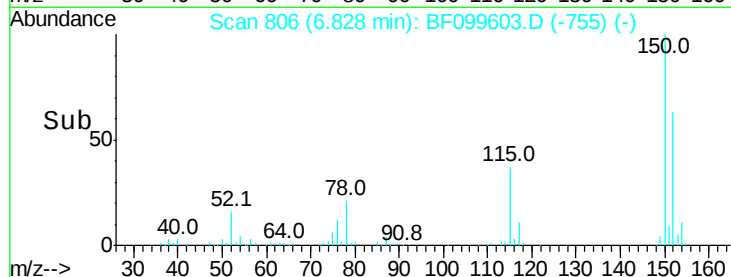
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: BF099603.D  
 Acq: 18 Oct 2017 1:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20170685-FB

Tot Ion:152 Resp: 111331  
 Ion Ratio Lower Upper  
 152 100  
 150 159.8 124.6 186.8  
 115 59.1 50.1 75.1



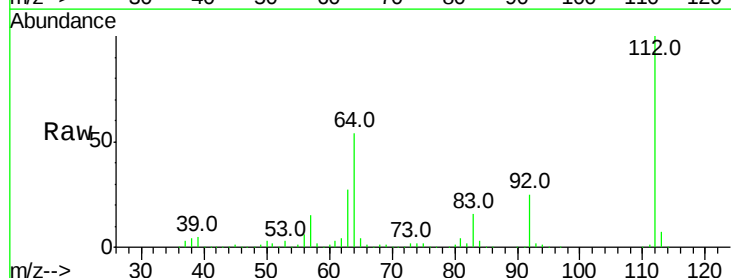
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



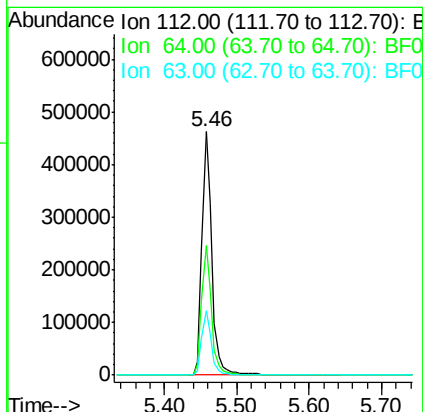
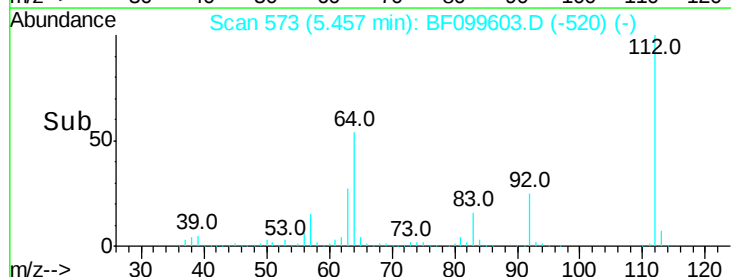
#5

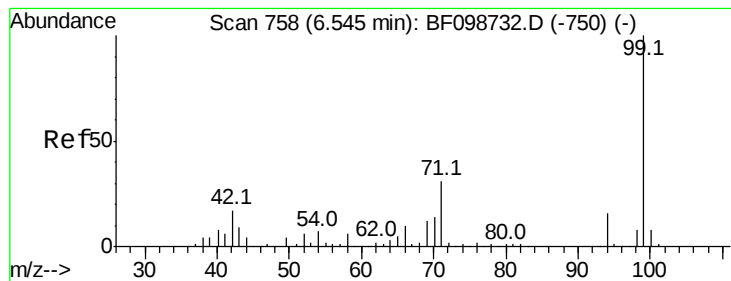
2-Fluorophenol  
 Concen: 62.858 ng  
 RT: 5.46 min Scan# 573  
 Delta R.T. 0.01 min  
 Lab File: BF099603.D  
 Acq: 18 Oct 2017 1:26

Tgt Ion:112 Resp: 439600  
 Ion Ratio Lower Upper  
 112 100  
 64 53.5 47.9 71.9  
 63 26.6 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: 36.099 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Instrument :

BNA\_F

ClientSampleId :

20170685-FB

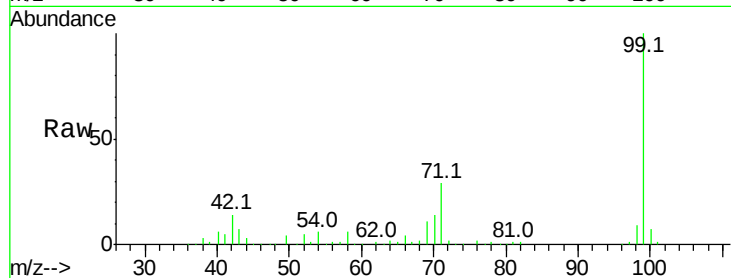
Tot Ion: 99 Resp: 311438

Ion Ratio Lower Upper

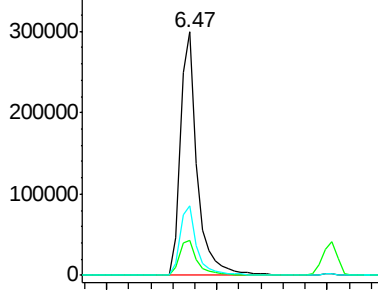
99 100

42 14.1 14.5 21.7#

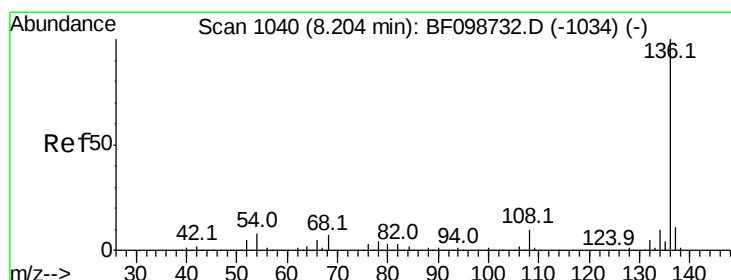
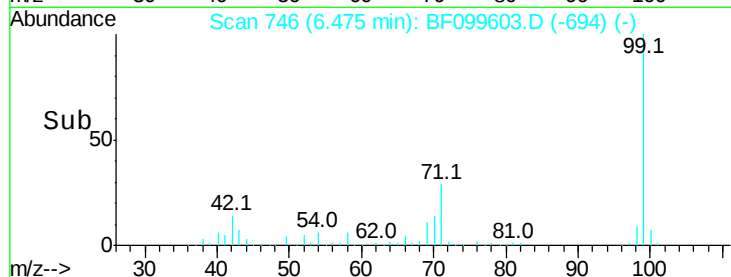
71 28.7 25.4 38.0



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Tgt Ion: 136 Resp: 454381

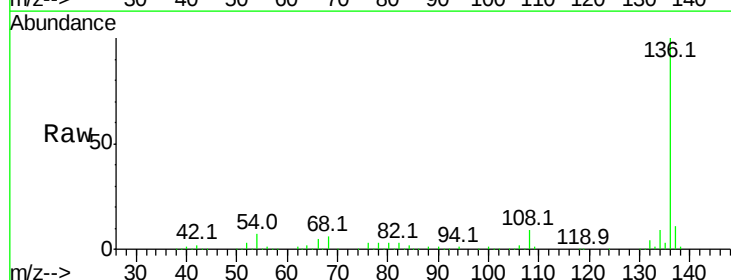
Ion Ratio Lower Upper

136 100

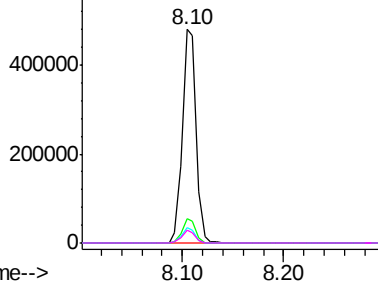
137 11.1 8.9 13.3

54 7.4 6.6 9.8

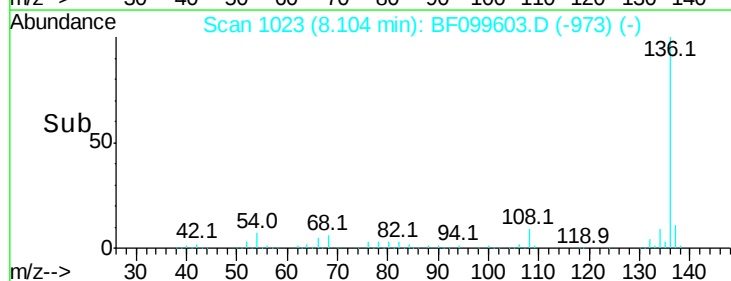
68 6.3 5.0 7.4

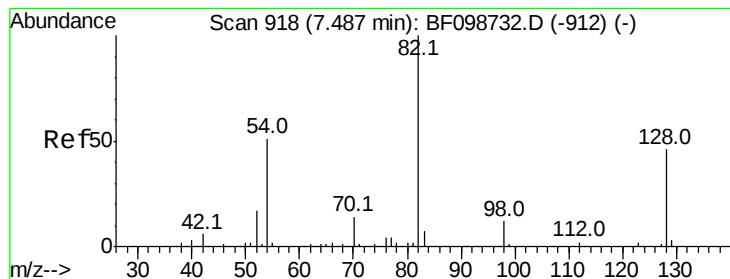


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0



Time-->





#23

Nitrobenzene-d5

Concen: 92.965 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Instrument :

BNA\_F

ClientSampleId :

20170685-FB

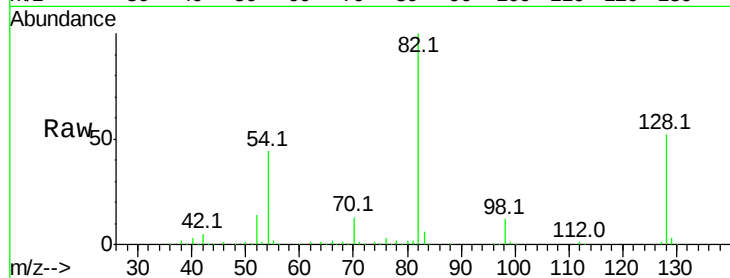
Tot Ion: 82 Resp: 658683

Ion Ratio Lower Upper

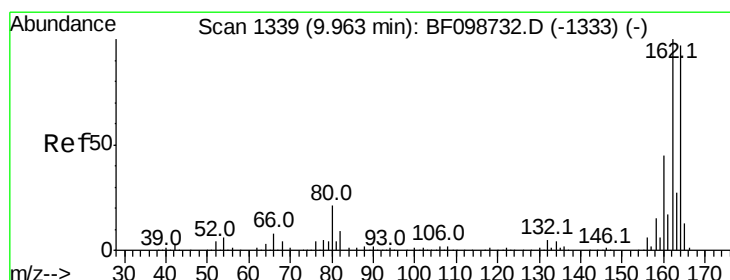
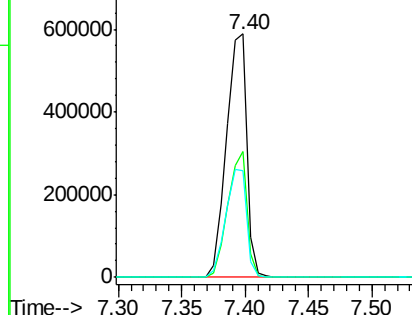
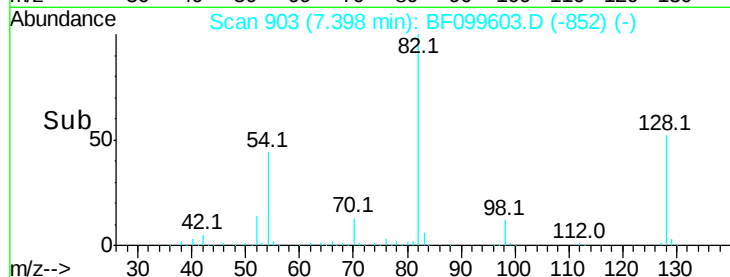
82 100

128 51.7 36.1 54.1

54 43.7 41.4 62.2



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: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

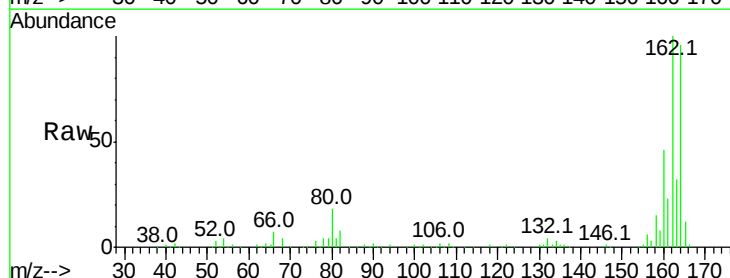
Tgt Ion:164 Resp: 185012

Ion Ratio Lower Upper

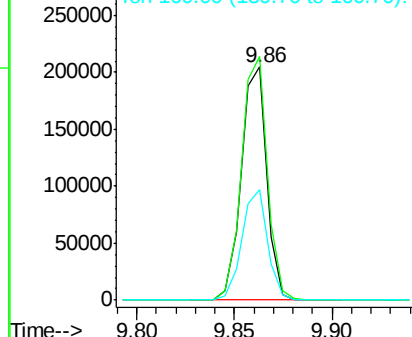
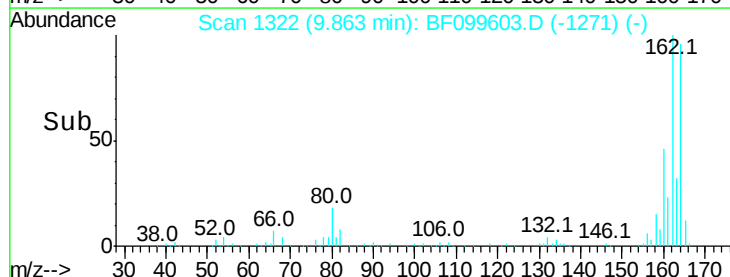
164 100

162 104.4 86.1 129.1

160 47.6 38.3 57.5



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

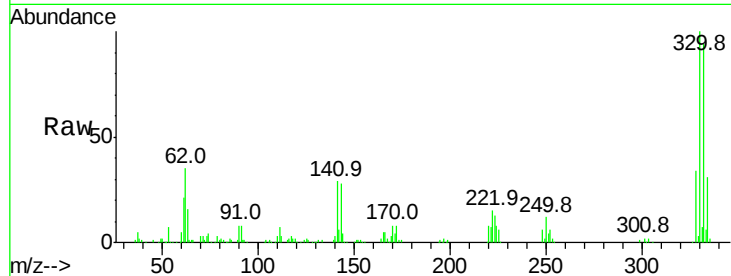




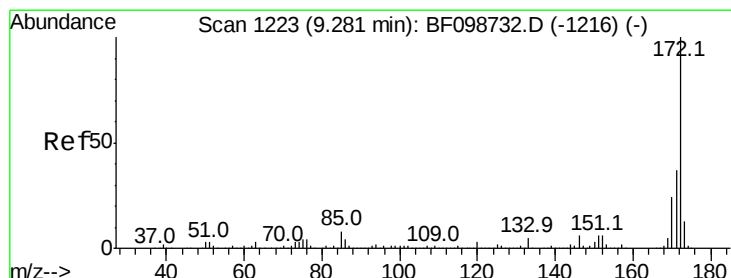
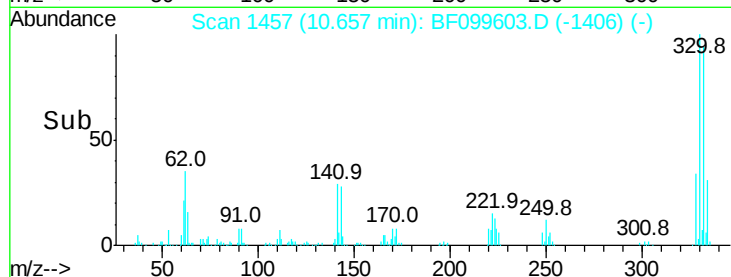
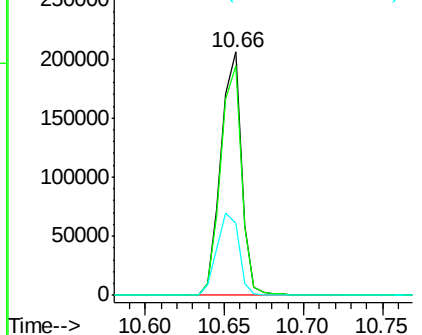
#41  
 2,4,6-Tribromophenol  
 Concen: 124.026 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: BF099603.D  
 Acq: 18 Oct 2017 1:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20170685-FB

Tot Ion:330 Resp: 187763  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 36.3 29.9 44.9

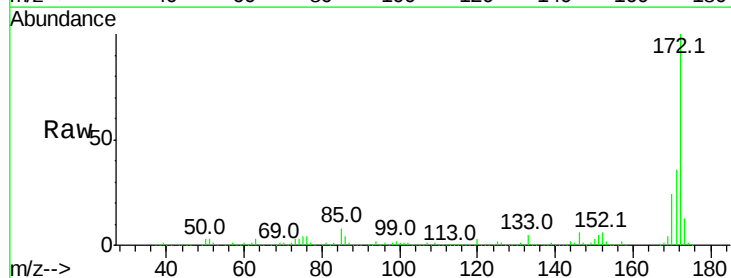


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

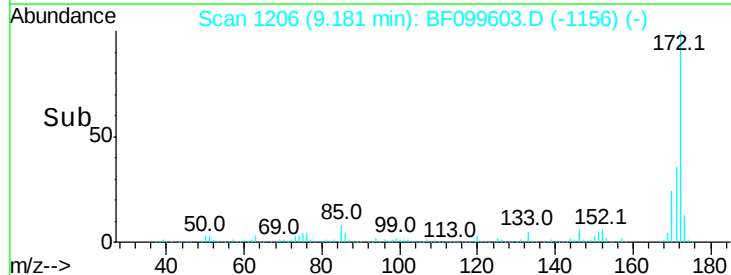
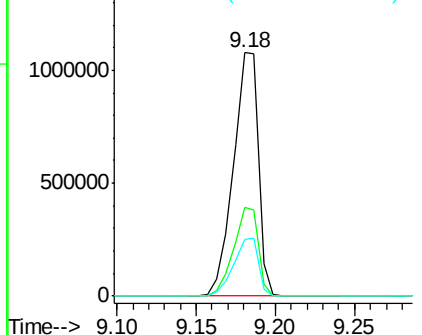


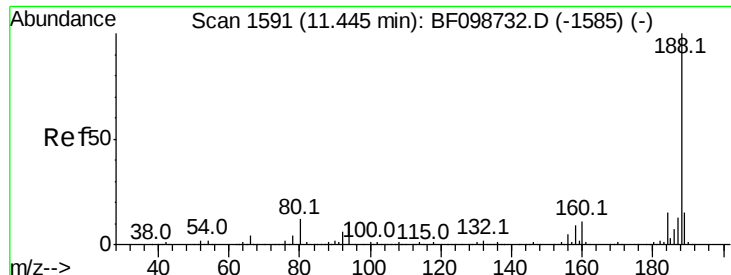
#44  
 2-Fluorobiphenyl  
 Concen: 106.210 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF099603.D  
 Acq: 18 Oct 2017 1:26

Tgt Ion:172 Resp: 1177063  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 23.5 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

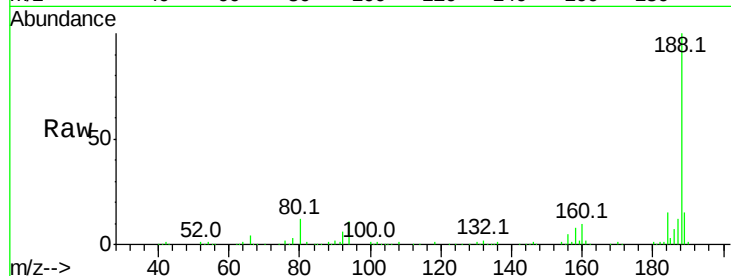




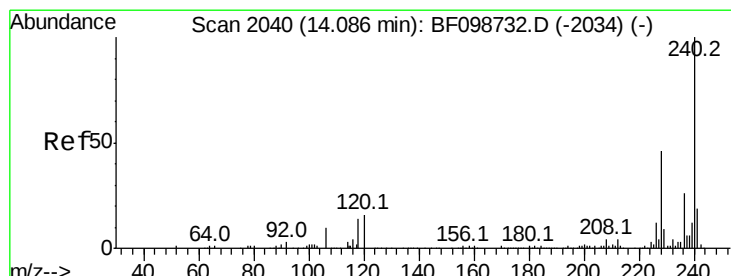
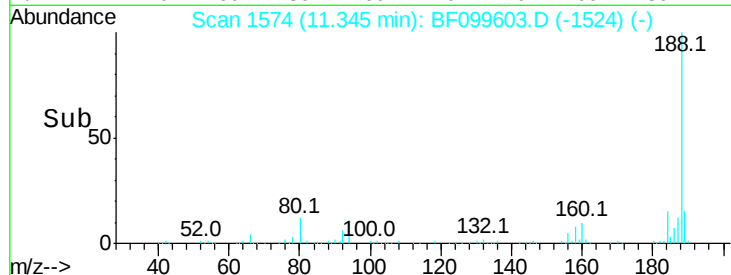
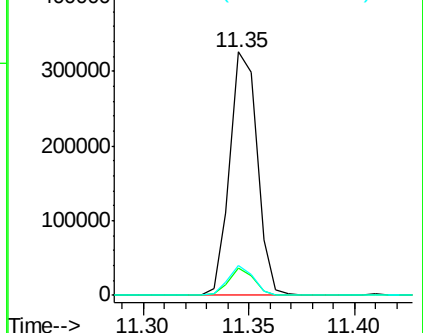
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF099603.D  
Acq: 18 Oct 2017 1:26

Instrument :  
BNA\_F  
ClientSampleId :  
20170685-FB

Tot Ion:188 Resp: 292633  
Ion Ratio Lower Upper  
188 100  
94 11.5 8.5 12.7  
80 12.4 9.2 13.8

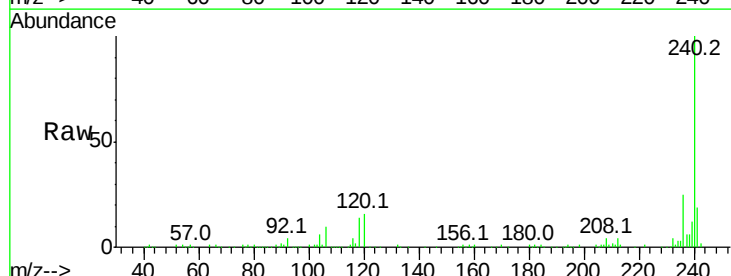


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

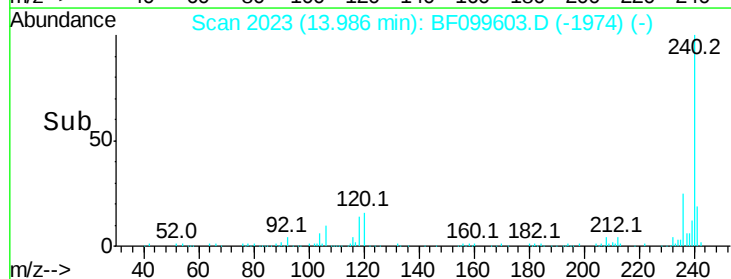
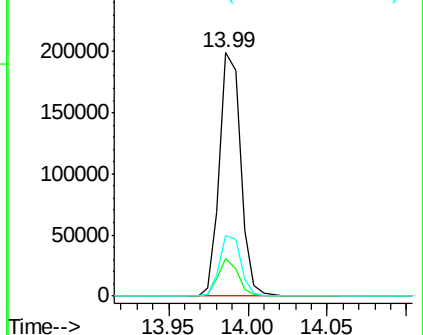


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BF099603.D  
Acq: 18 Oct 2017 1:26

Tgt Ion:240 Resp: 185425  
Ion Ratio Lower Upper  
240 100  
120 15.6 9.5 14.3#  
236 25.1 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: 88.702 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Instrument :

BNA\_F

ClientSampleId :

20170685-FB

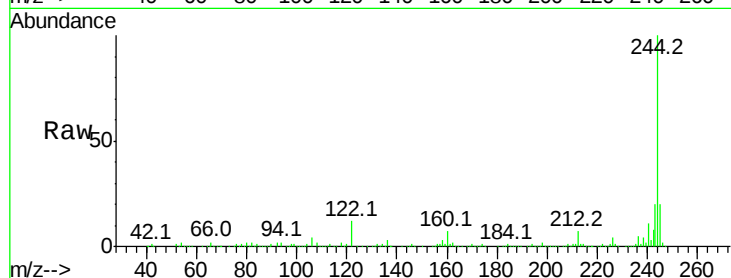
Tot Ion:244 Resp: 723223

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

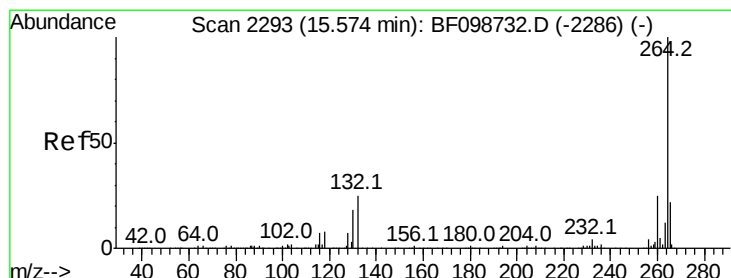
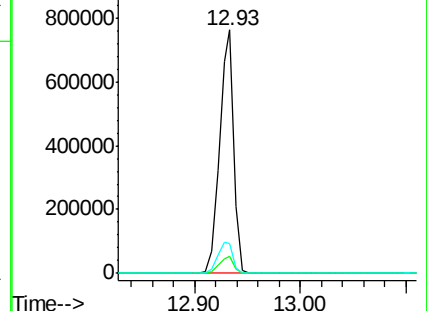
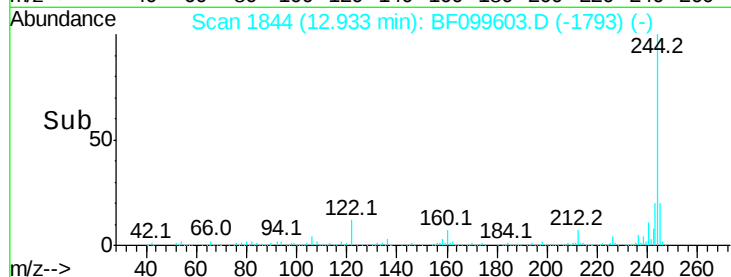
122 12.5 11.0 16.4



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: BF099603.D

Acq: 18 Oct 2017 1:26

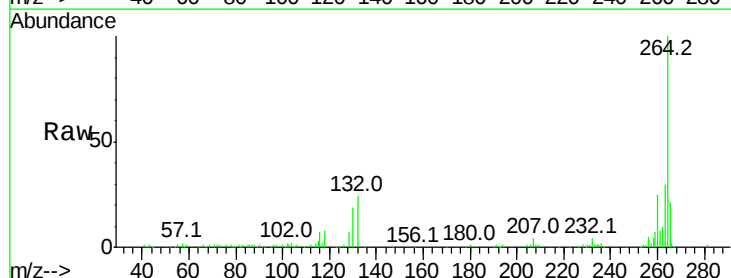
Tgt Ion:264 Resp: 125105

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 20.6 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

