

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\  
 Data File : BF099234.D  
 Acq On : 8 Oct 2017 16:07  
 Operator : SJ/JU  
 Sample : I5715-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-02-100517-C

Quant Time: Oct 09 02:12:29 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  | 134681   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 561861   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 261609   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.39 | 188  | 471904   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.03 | 240  | 372310   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.50 | 264  | 274495   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 1063538  | 125.71 | ng    | 0.03     |
| 7) Phenol-d6                | 6.50  | 99   | 1198252  | 114.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 864019   | 98.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 317718   | 148.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1536474  | 98.05  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.98 | 244  | 1417961  | 86.61  | ng    | 0.00     |

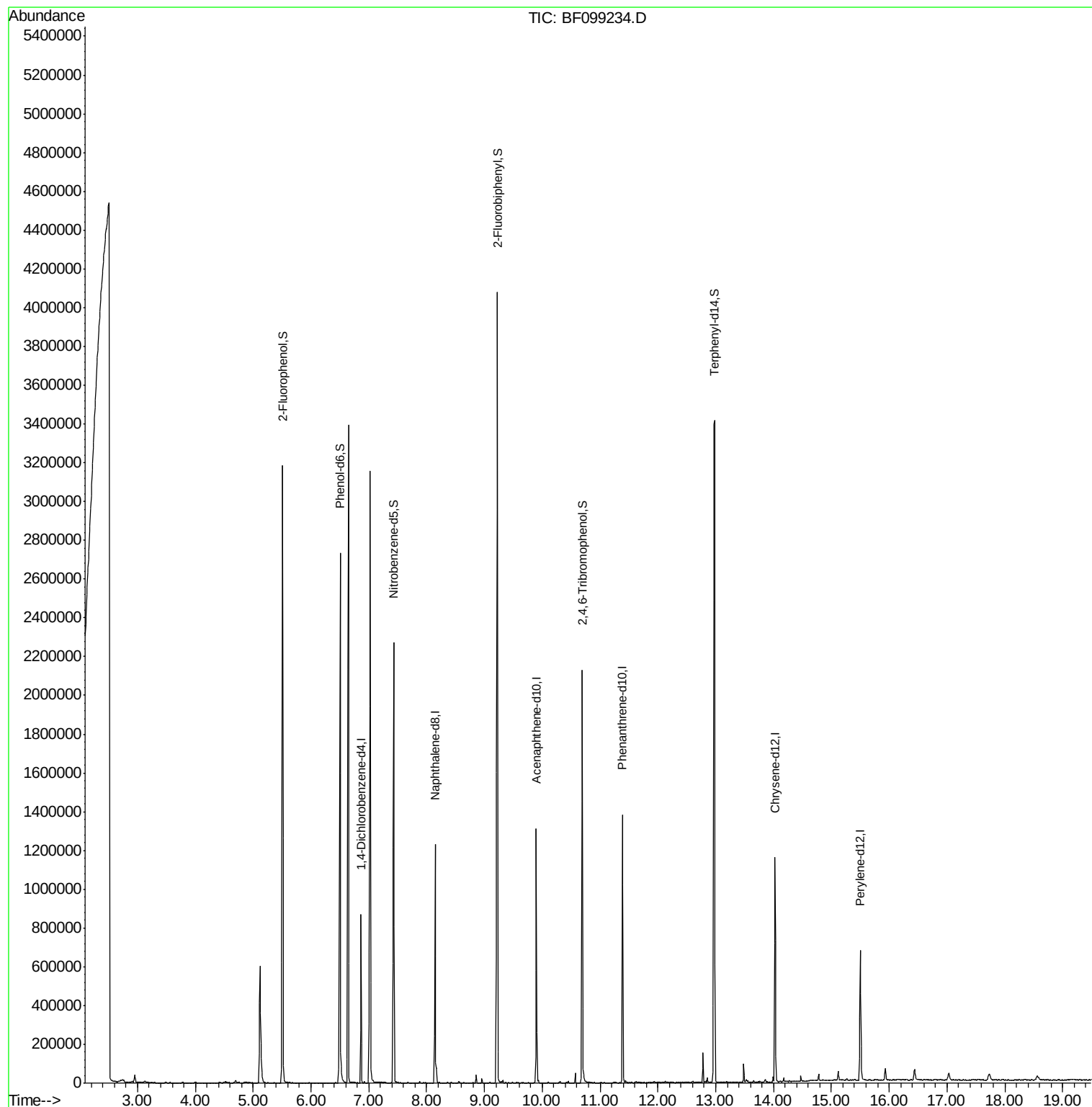
Target Compounds Qvalue

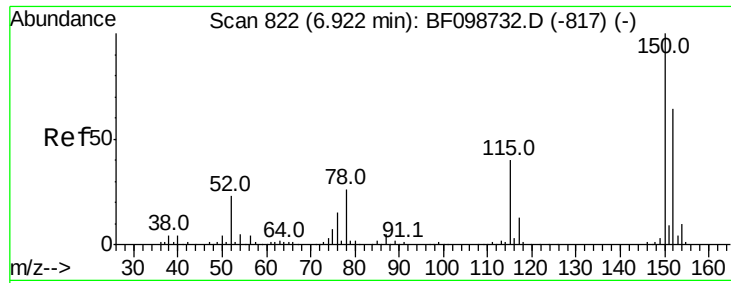
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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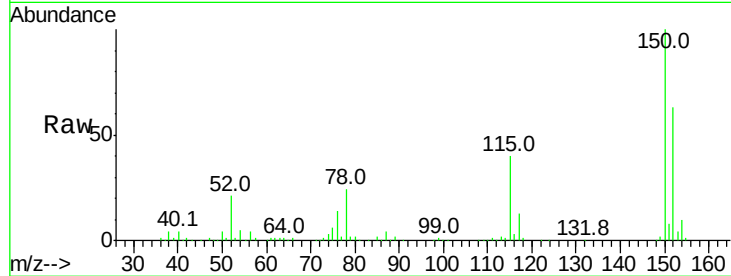


#1

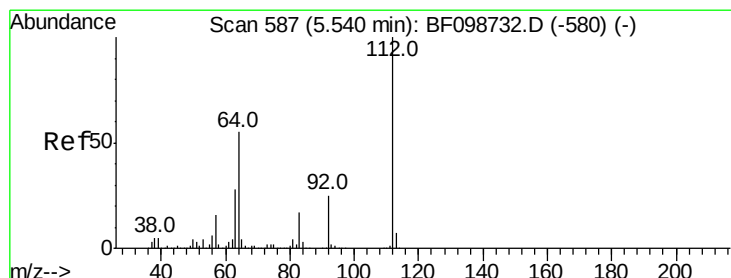
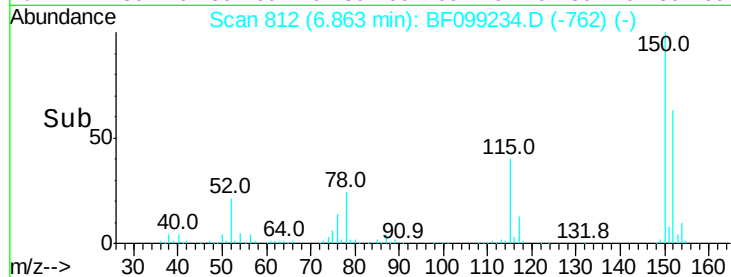
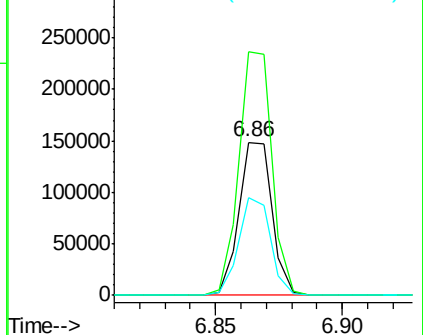
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF099234.D  
Acq: 8 Oct 2017 16:07

Instrument :  
BNA\_F  
ClientSampleId :  
PL-02-100517-C

Tot Ion:152 Resp: 134681  
Ion Ratio Lower Upper  
152 100  
150 159.0 124.6 186.8  
115 63.5 50.1 75.1



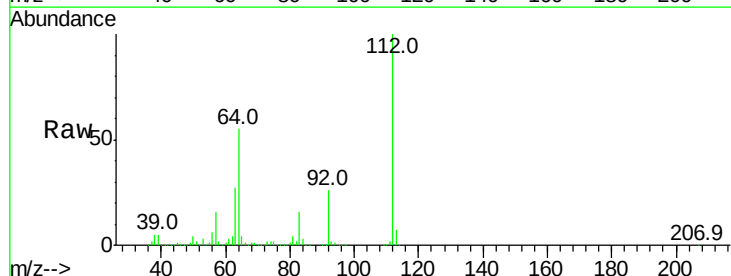
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



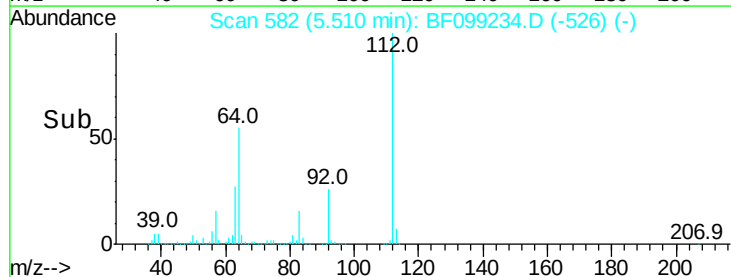
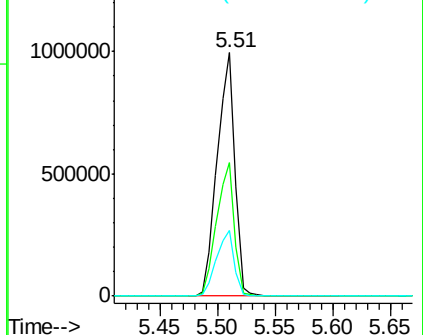
#5

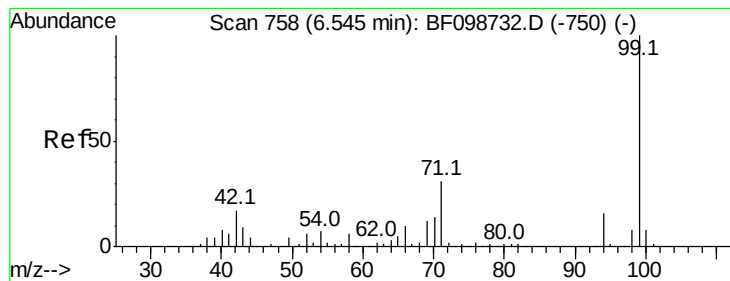
2-Fluorophenol  
Concen: 125.708 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.03 min  
Lab File: BF099234.D  
Acq: 8 Oct 2017 16:07

Tgt Ion:112 Resp: 1063538  
Ion Ratio Lower Upper  
112 100  
64 54.7 47.9 71.9  
63 26.8 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: 114.810 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

Instrument :

BNA\_F

ClientSampleId :

PL-02-100517-C

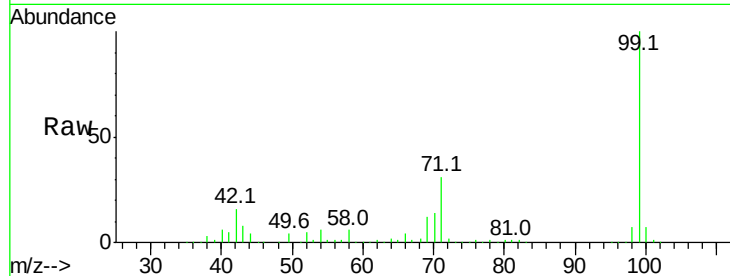
Tot Ion: 99 Resp: 1198252

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

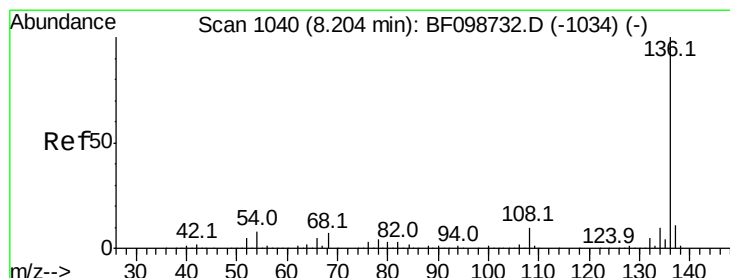
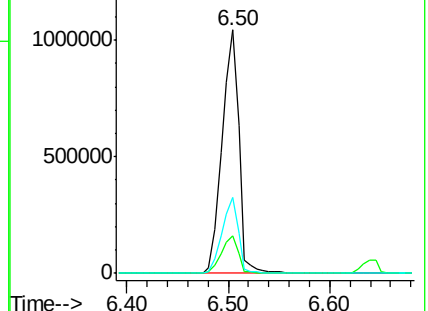
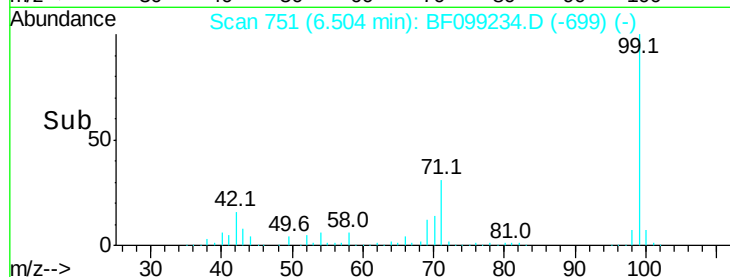
71 31.1 25.4 38.0



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: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

Tgt Ion: 136 Resp: 561861

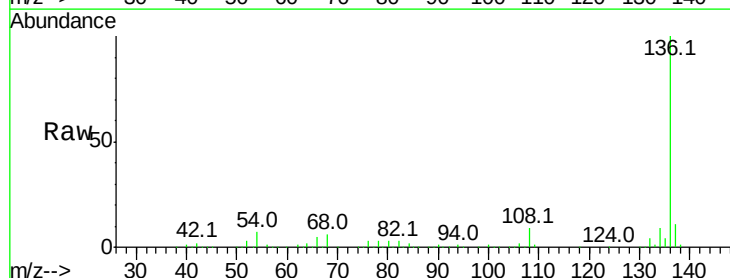
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 6.6 9.8

68 6.1 5.0 7.4

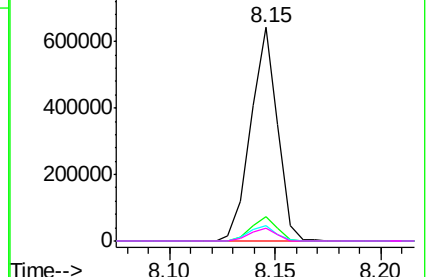
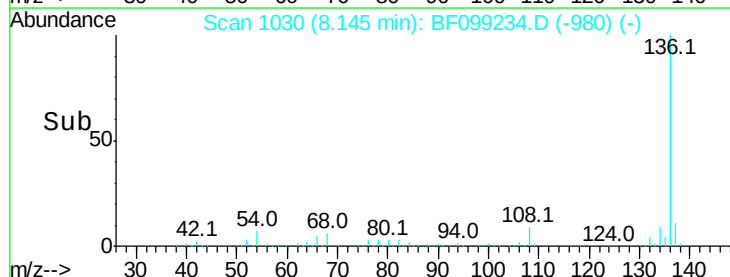


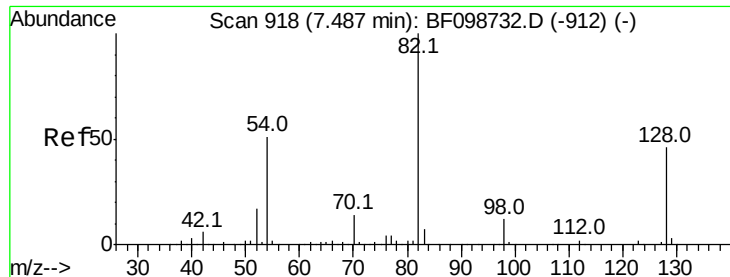
Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.618 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

Instrument :

BNA\_F

ClientSampleId :

PL-02-100517-C

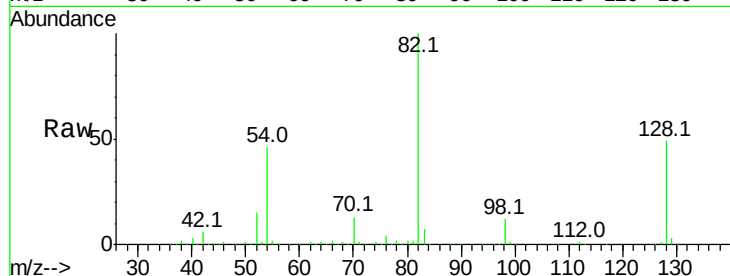
Tot Ion: 82 Resp: 864019

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

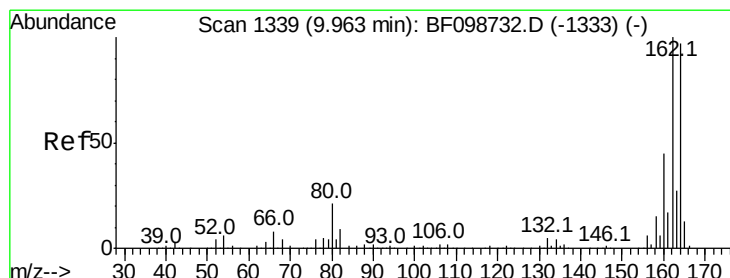
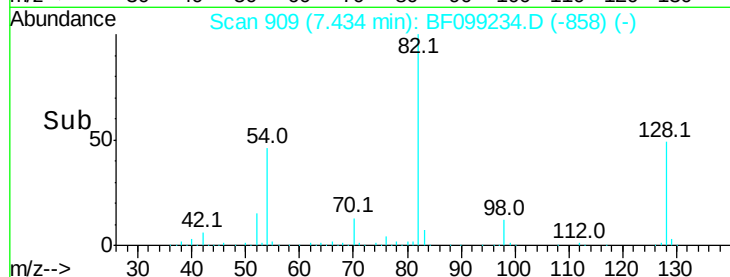
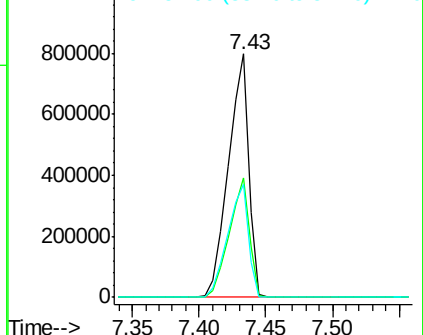
54 46.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

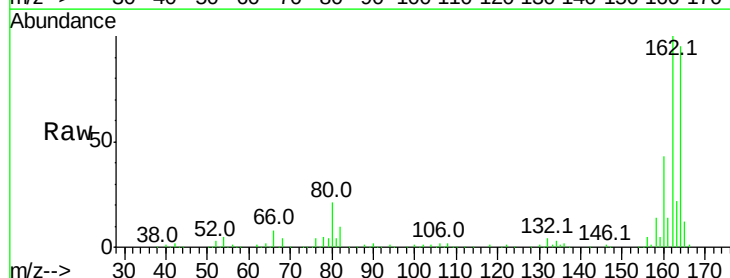
Tgt Ion: 164 Resp: 261609

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

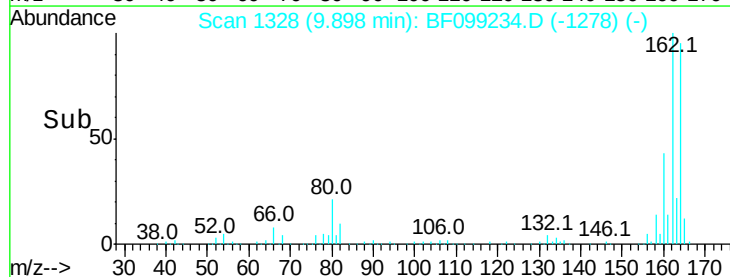
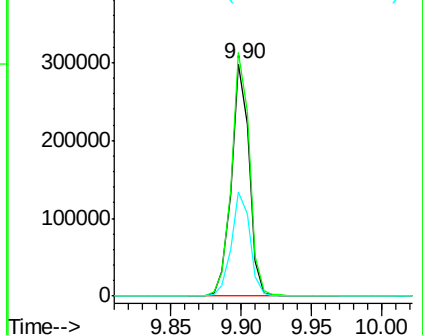
160 44.7 38.3 57.5

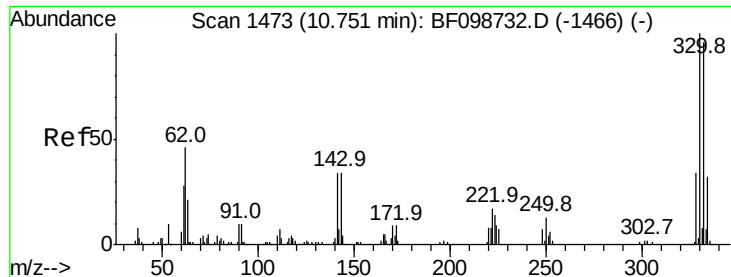


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

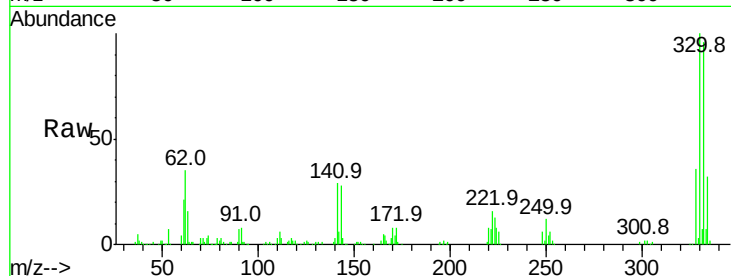




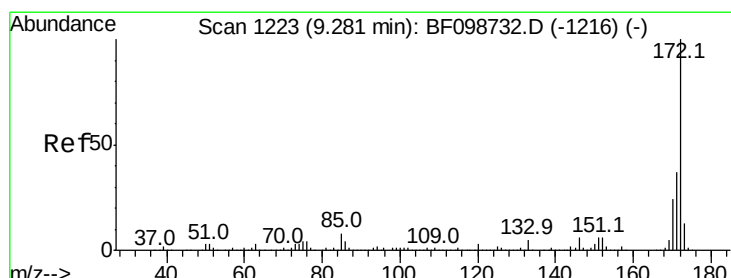
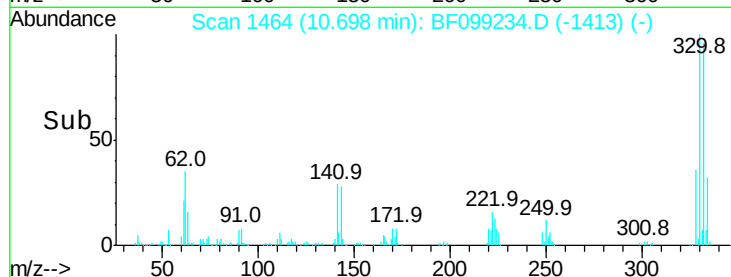
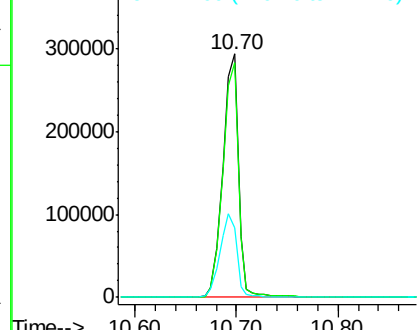
#41  
 2,4,6-Tribromophenol  
 Concen: 148.420 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.00 min  
 Lab File: BF099234.D  
 Acq: 8 Oct 2017 16:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-02-100517-C

Tot Ion:330 Resp: 317718  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 36.8 29.9 44.9

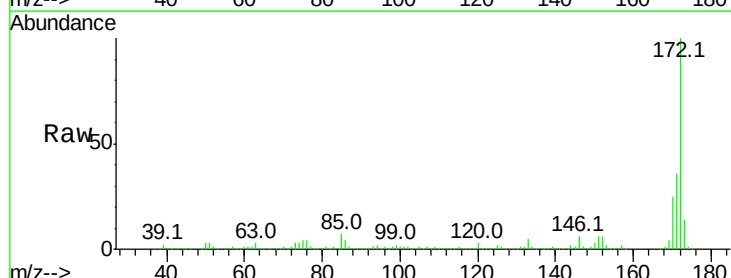


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

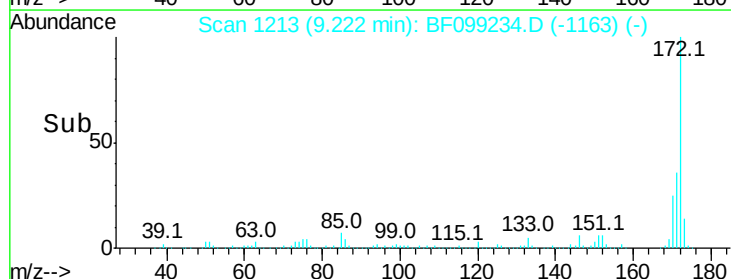
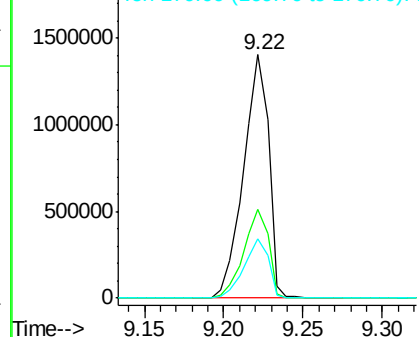


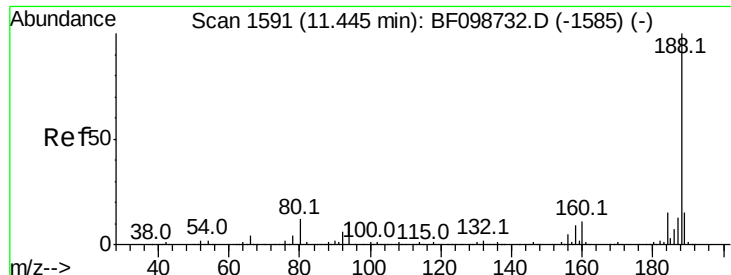
#44  
 2-Fluorobiphenyl  
 Concen: 98.048 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099234.D  
 Acq: 8 Oct 2017 16:07

Tgt Ion:172 Resp: 1536474  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.6 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: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

Instrument :

BNA\_F

ClientSampleId :

PL-02-100517-C

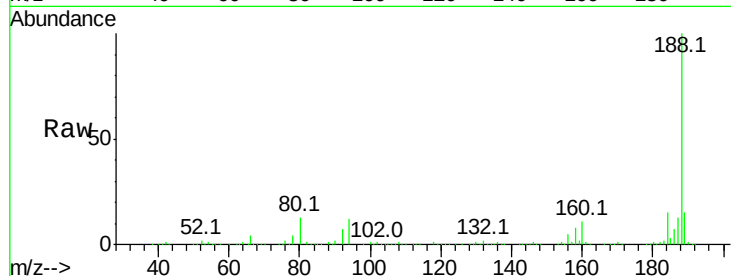
Tot Ion:188 Resp: 471904

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

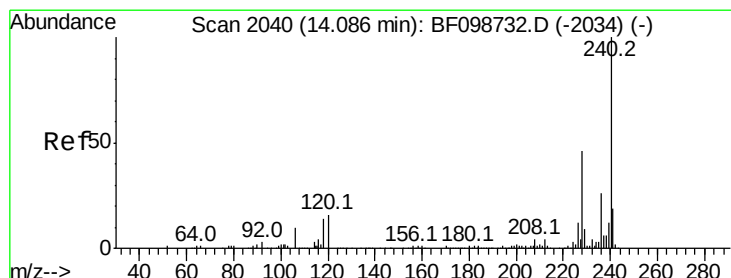
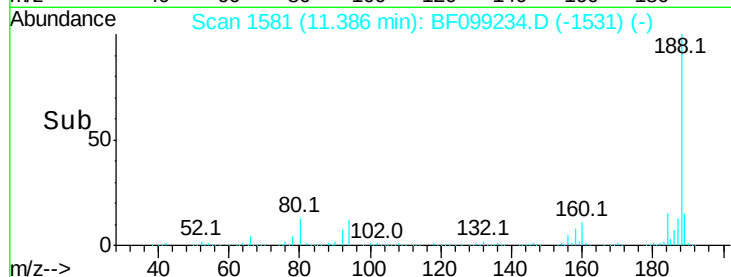
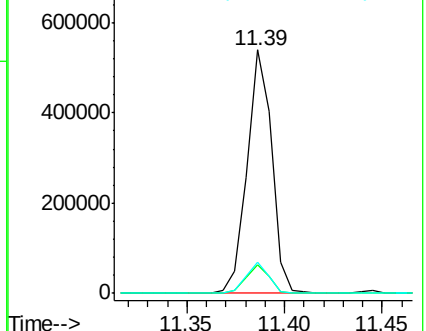
80 12.5 9.2 13.8



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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

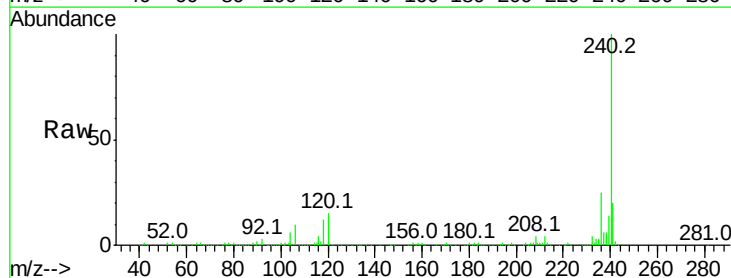
Tgt Ion:240 Resp: 372310

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

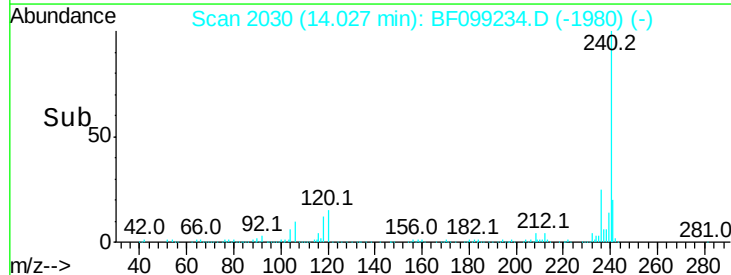
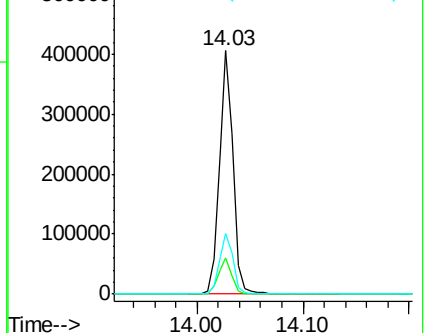
236 25.1 20.7 31.1

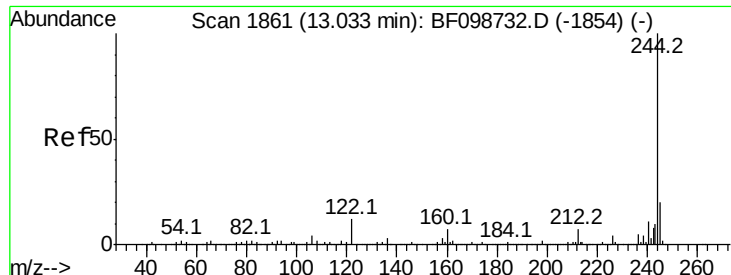


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.614 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

Instrument :

BNA\_F

ClientSampleId :

PL-02-100517-C

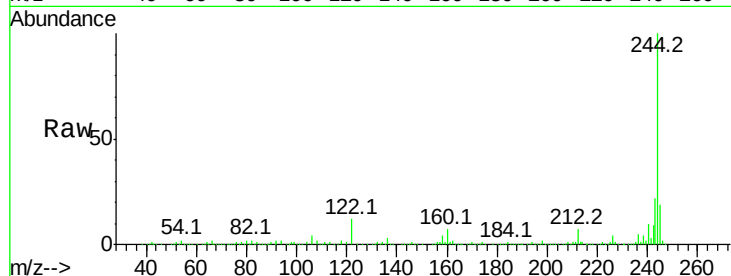
Tot Ion:244 Resp: 1417961

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

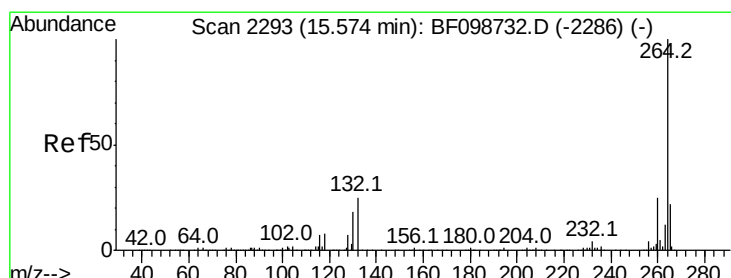
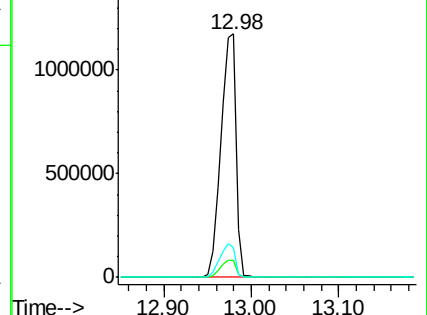
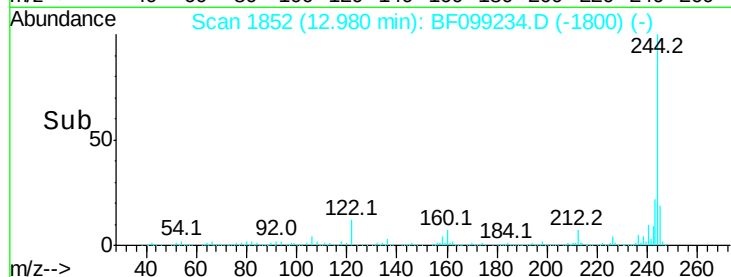
122 12.3 11.0 16.4



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: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF099234.D

Acq: 8 Oct 2017 16:07

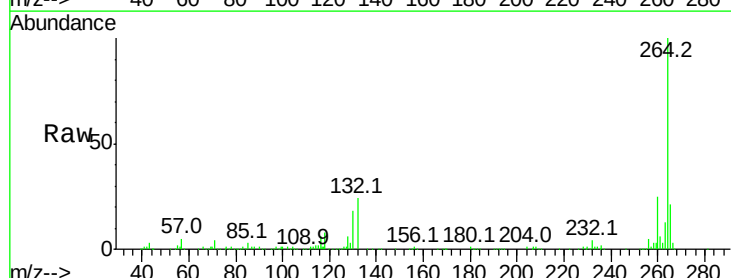
Tgt Ion:264 Resp: 274495

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 21.1 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

