

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\  
 Data File : BF098950.D  
 Acq On : 29 Sep 2017 16:13  
 Operator : SJ/JU  
 Sample : I5487-12  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-092717-D

Quant Time: Sep 29 17:03:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 147554   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 616911   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.95  | 164  | 267522   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.44 | 188  | 407884   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.07 | 240  | 226685   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.57 | 264  | 242241   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 1113355  | 120.12 | ng    | 0.02     |
| 7) Phenol-d6                | 6.55  | 99   | 1215563  | 106.31 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 948576   | 98.61  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 276286   | 126.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.27  | 172  | 1586644  | 99.01  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 1035572  | 103.89 | ng    | 0.00     |

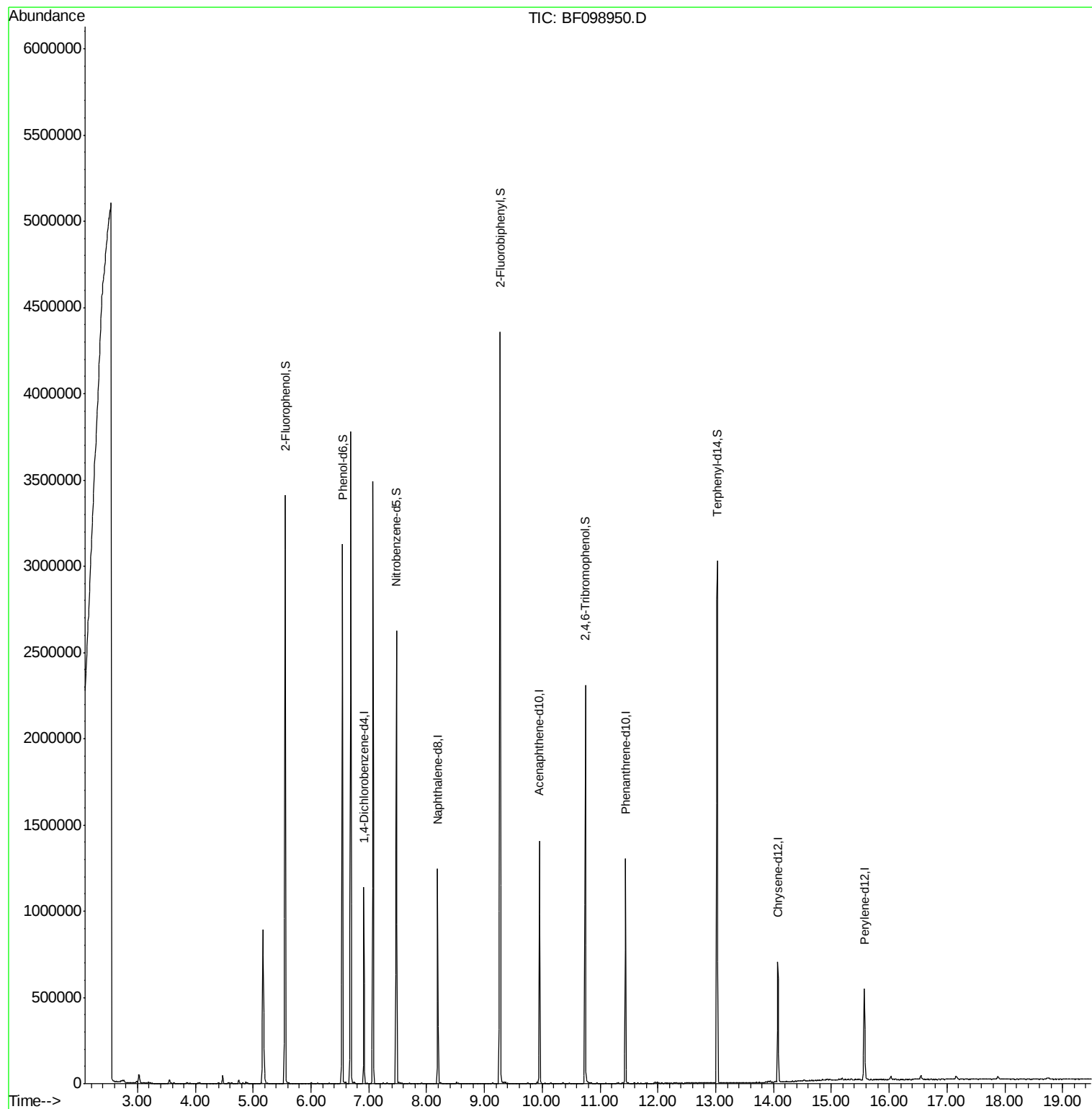
Target Compounds Qvalue

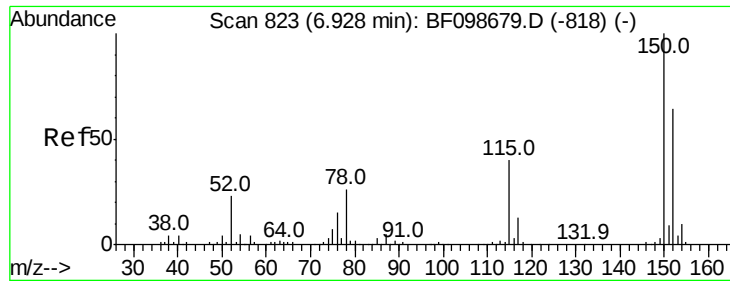
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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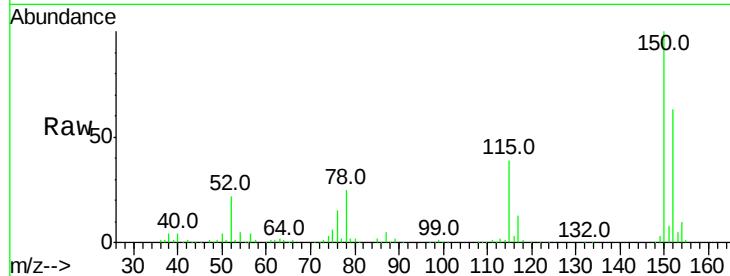


#1

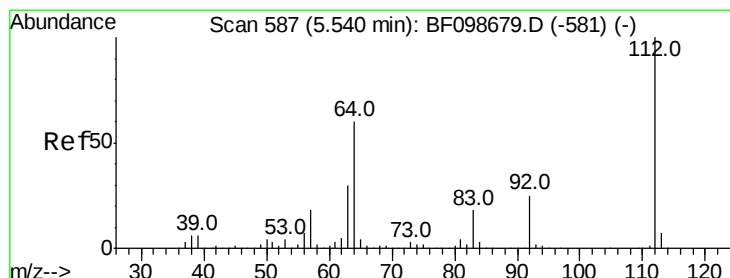
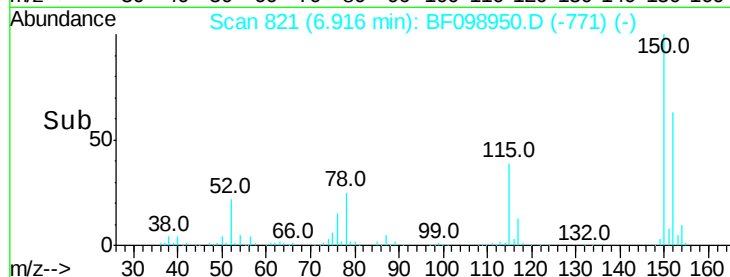
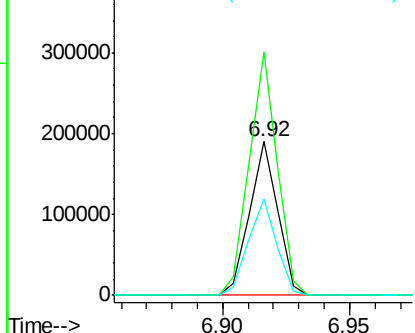
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF098950.D  
Acq: 29 Sep 2017 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-092717-D

Tot Ion:152 Resp: 147554  
Ion Ratio Lower Upper  
152 100  
150 158.2 124.6 186.8  
115 62.2 50.1 75.1



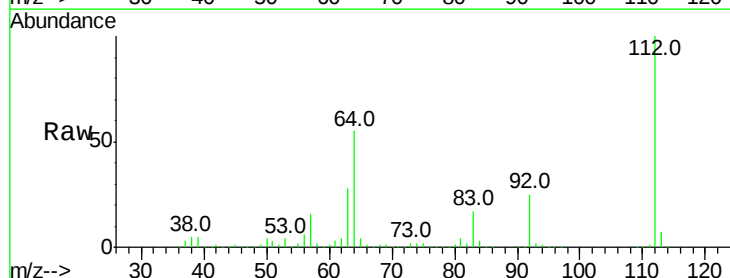
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



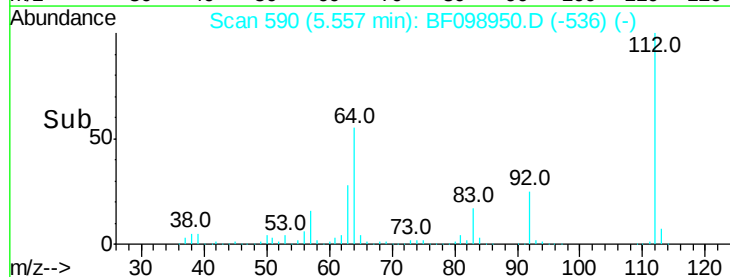
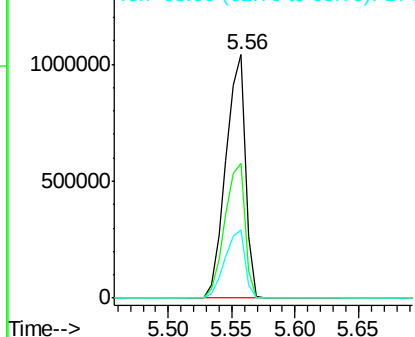
#5

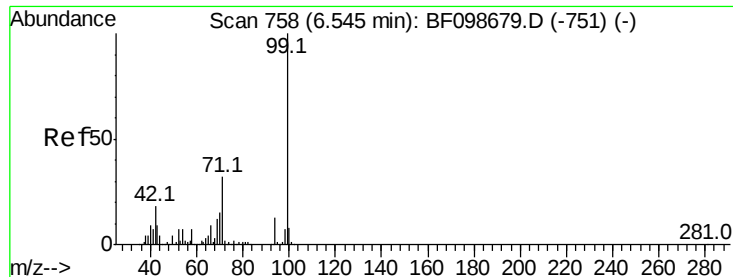
2-Fluorophenol  
Concen: 120.115 ng  
RT: 5.56 min Scan# 590  
Delta R.T. 0.02 min  
Lab File: BF098950.D  
Acq: 29 Sep 2017 16:13

Tgt Ion:112 Resp: 1113355  
Ion Ratio Lower Upper  
112 100  
64 55.4 47.9 71.9  
63 27.9 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: 106.307 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

Instrument :

BNA\_F

ClientSampleId :

CL-02-092717-D

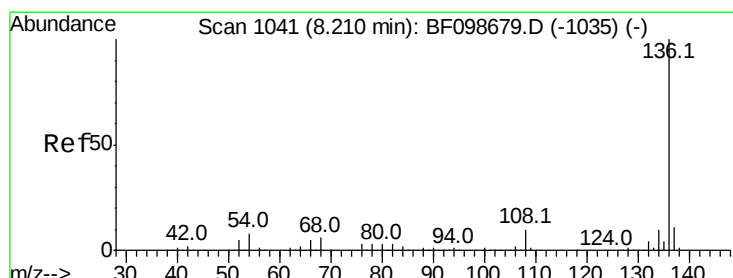
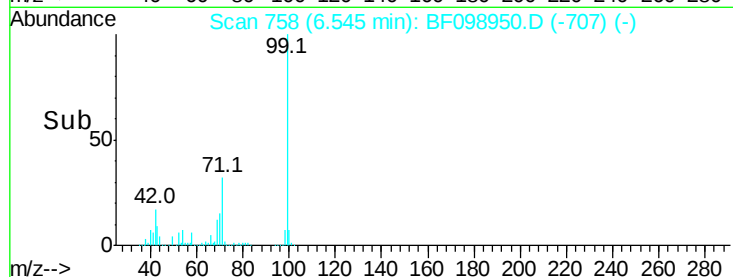
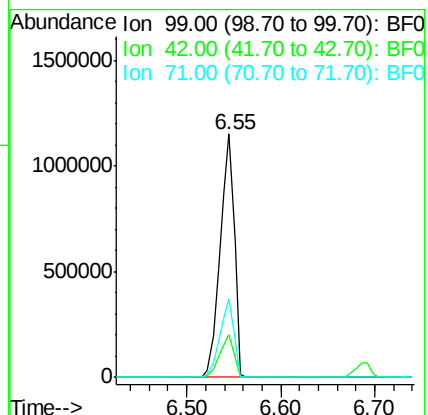
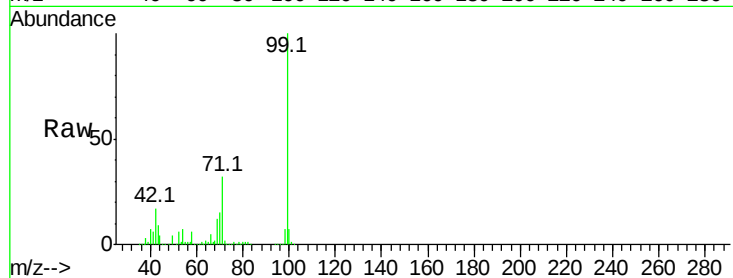
Tot Ion: 99 Resp: 1215563

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 32.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

Tgt Ion: 136 Resp: 616911

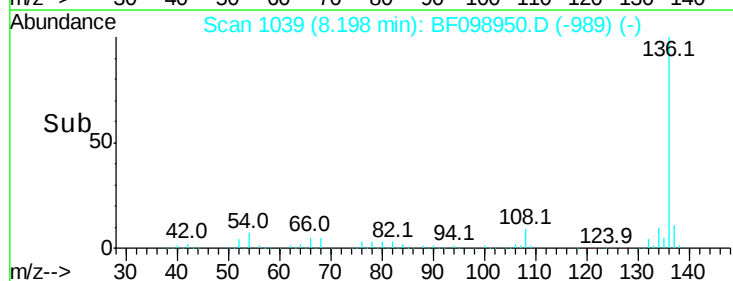
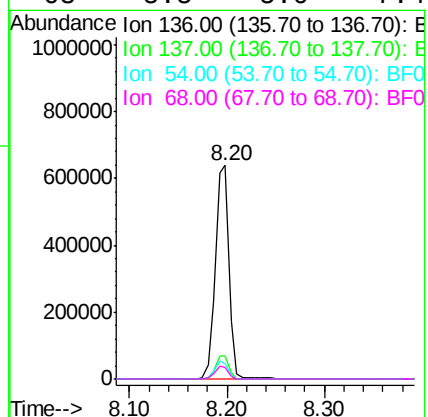
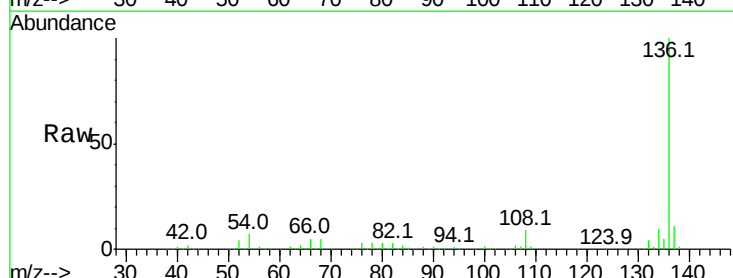
Ion Ratio Lower Upper

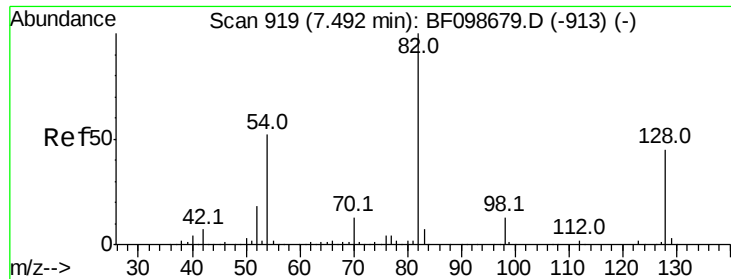
136 100

137 10.8 8.9 13.3

54 7.2 6.6 9.8

68 5.5 5.0 7.4

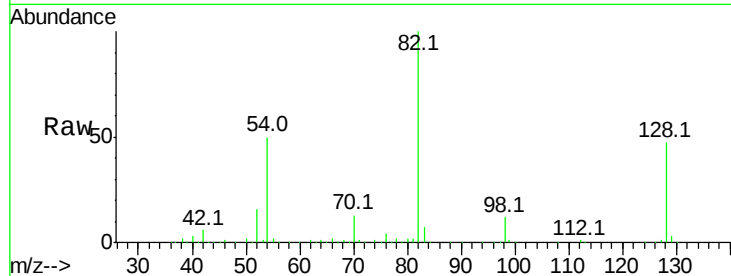




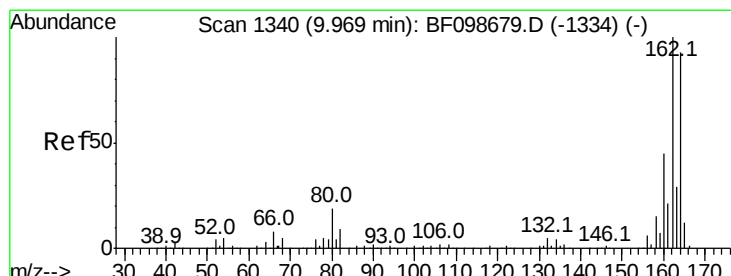
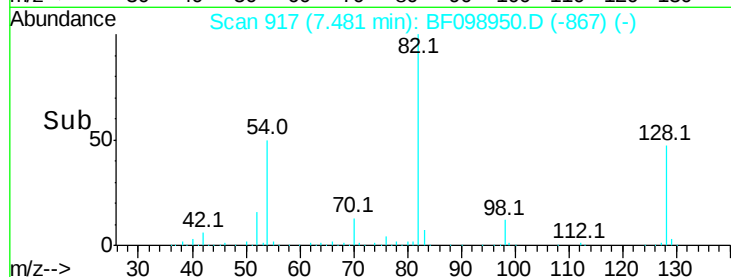
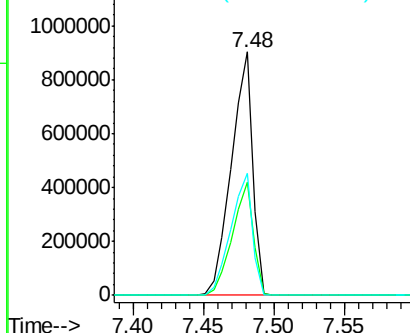
#23  
Nitrobenzene-d5  
Concen: 98.608 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: BF098950.D  
Acq: 29 Sep 2017 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-092717-D

Tot Ion: 82 Resp: 948576  
Ion Ratio Lower Upper  
82 100  
128 46.6 36.1 54.1  
54 49.9 41.4 62.2

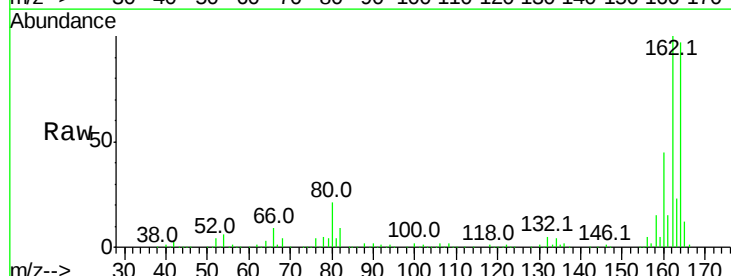


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

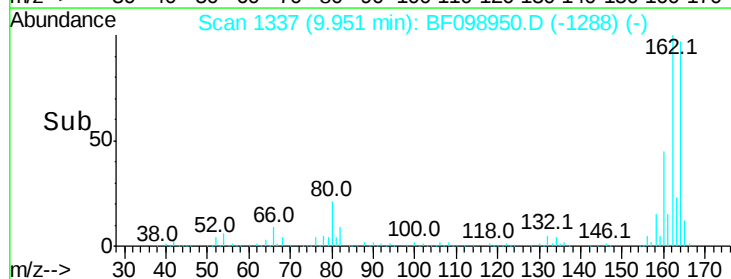
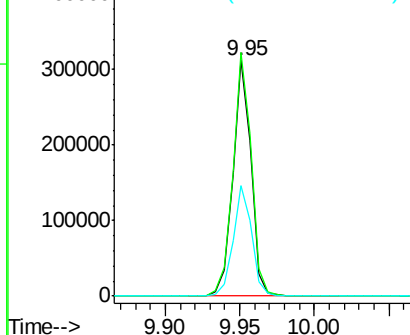


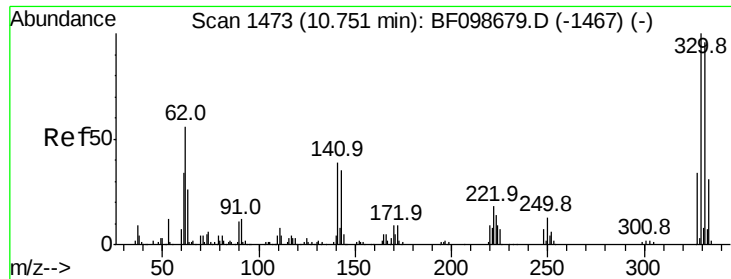
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF098950.D  
Acq: 29 Sep 2017 16:13

Tgt Ion:164 Resp: 267522  
Ion Ratio Lower Upper  
164 100  
162 103.4 86.1 129.1  
160 46.8 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

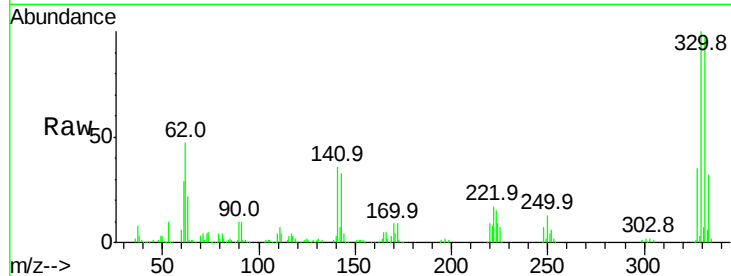




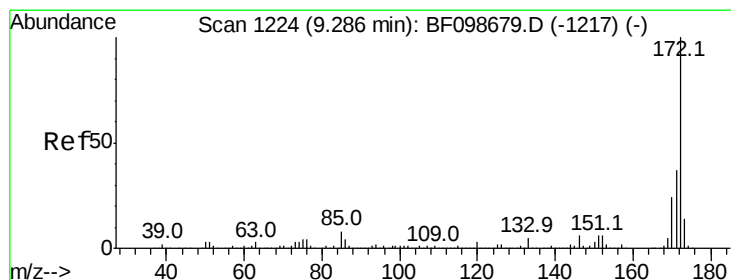
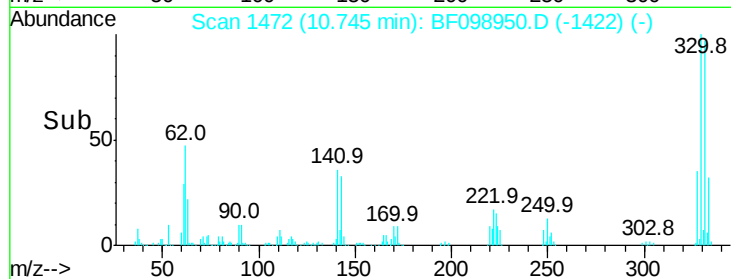
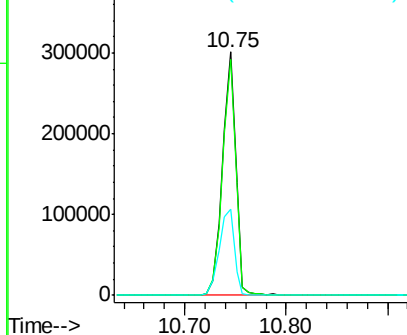
#41  
 2,4,6-Tribromophenol  
 Concen: 126.212 ng  
 RT: 10.75 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BF098950.D  
 Acq: 29 Sep 2017 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-092717-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 40.7  | 29.9  | 44.9  |

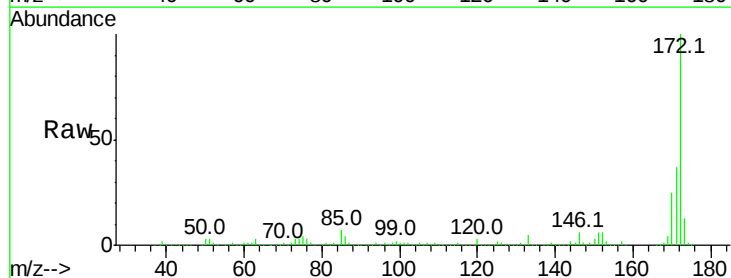


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

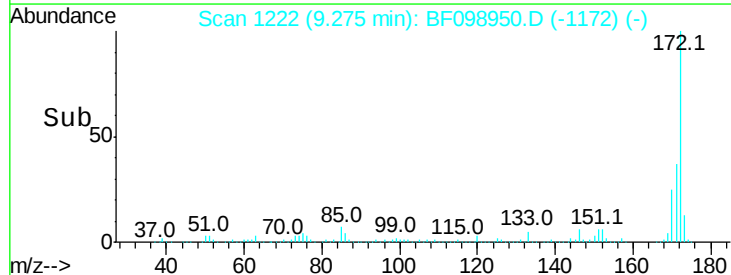
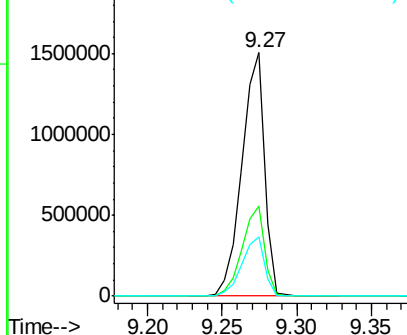


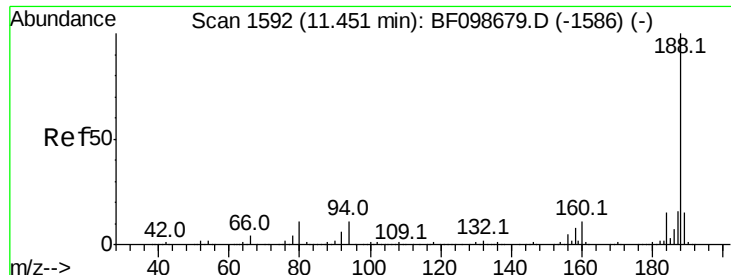
#44  
 2-Fluorobiphenyl  
 Concen: 99.011 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. -0.01 min  
 Lab File: BF098950.D  
 Acq: 29 Sep 2017 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.7  | 44.5  |
| 170     | 24.5  | 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: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

Instrument :

BNA\_F

ClientSampleId :

CL-02-092717-D

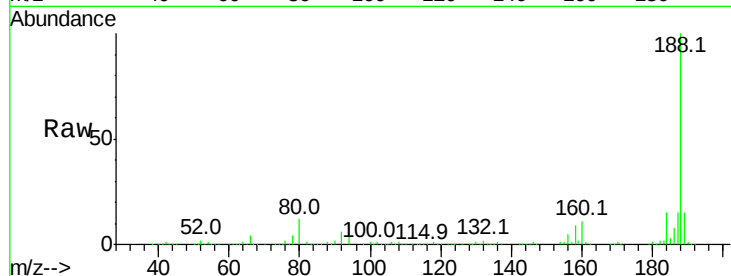
Tot Ion:188 Resp: 407884

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

80 11.8 9.2 13.8

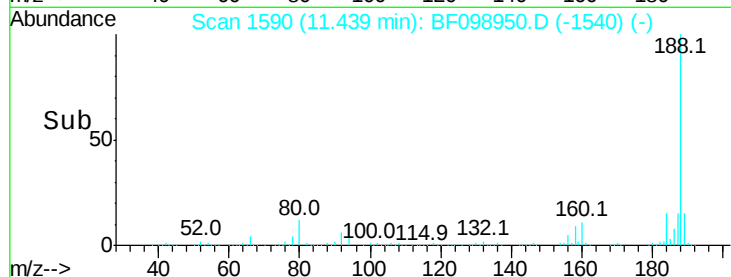


Abundance Ion 188.00 (187.70 to 188.70): E

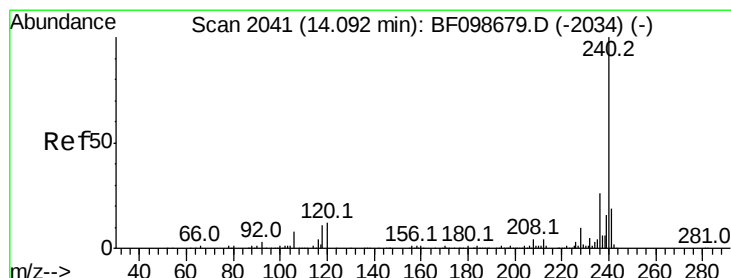
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

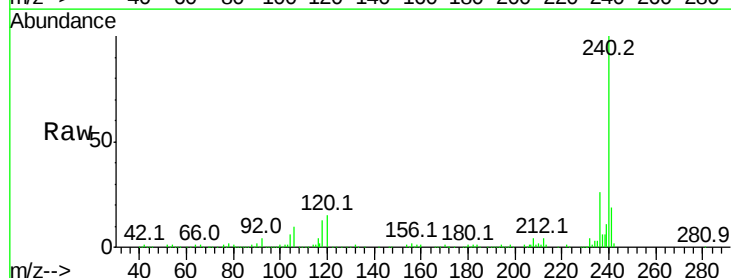
Tgt Ion:240 Resp: 226685

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

236 26.4 20.7 31.1

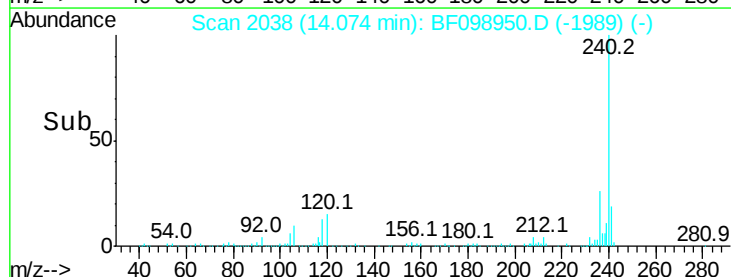


Abundance Ion 240.00 (239.70 to 240.70): E

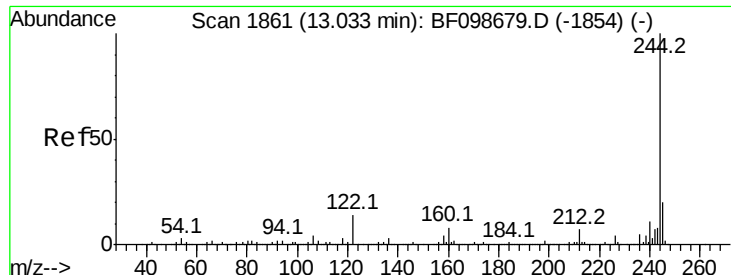
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 103.893 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

Instrument :

BNA\_F

ClientSampleID :

CL-02-092717-D

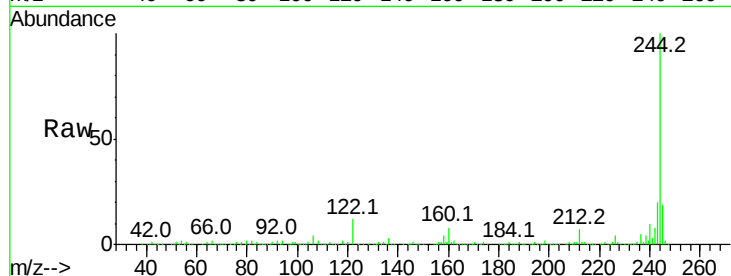
Tot Ion:244 Resp: 1035572

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

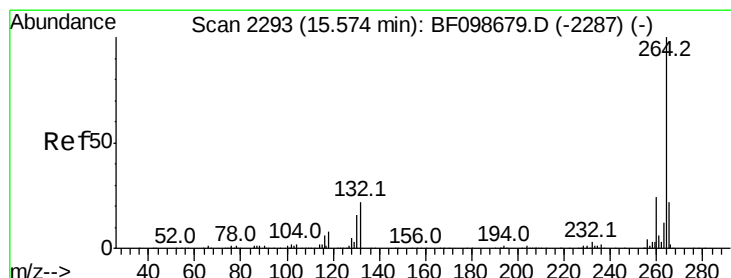
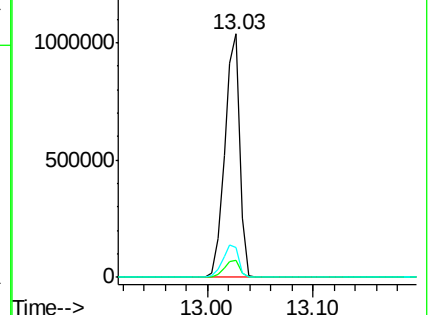
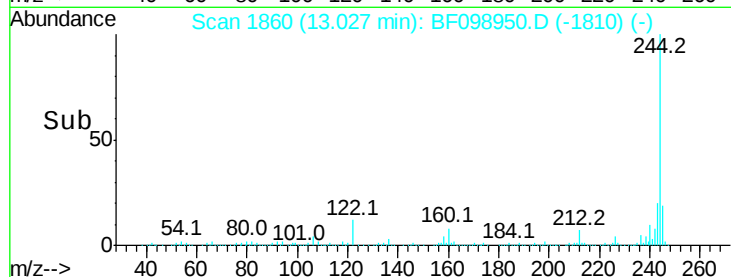
122 12.4 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BF098950.D

Acq: 29 Sep 2017 16:13

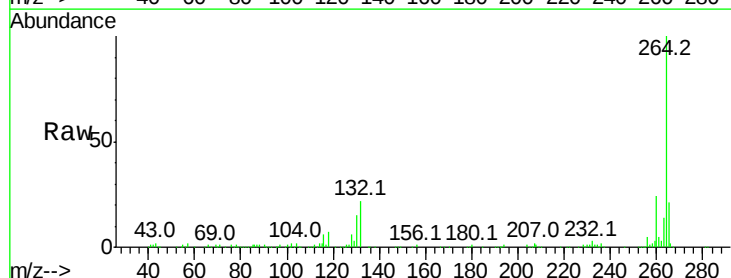
Tgt Ion:264 Resp: 242241

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.3 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

