

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\  
 Data File : BF098516.D  
 Acq On : 14 Sep 2017 3:48  
 Operator : SJ/JU  
 Sample : I5159-10 10X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-41-A1-2.5-5

Quant Time: Sep 14 08:02:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:14:50 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 153356   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.94  | 136  | 633451   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 268840   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.17 | 188  | 435743   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 13.80 | 240  | 320899   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.20 | 264  | 256552   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 82684    | 7.97  | ng    | -0.01    |
| 7) Phenol-d6                | 6.31  | 99   | 105593   | 8.02  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 55034    | 4.84  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 11918    | 6.64  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.01  | 172  | 113841   | 7.18  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.75 | 244  | 80641    | 5.42  | ng    | -0.02    |

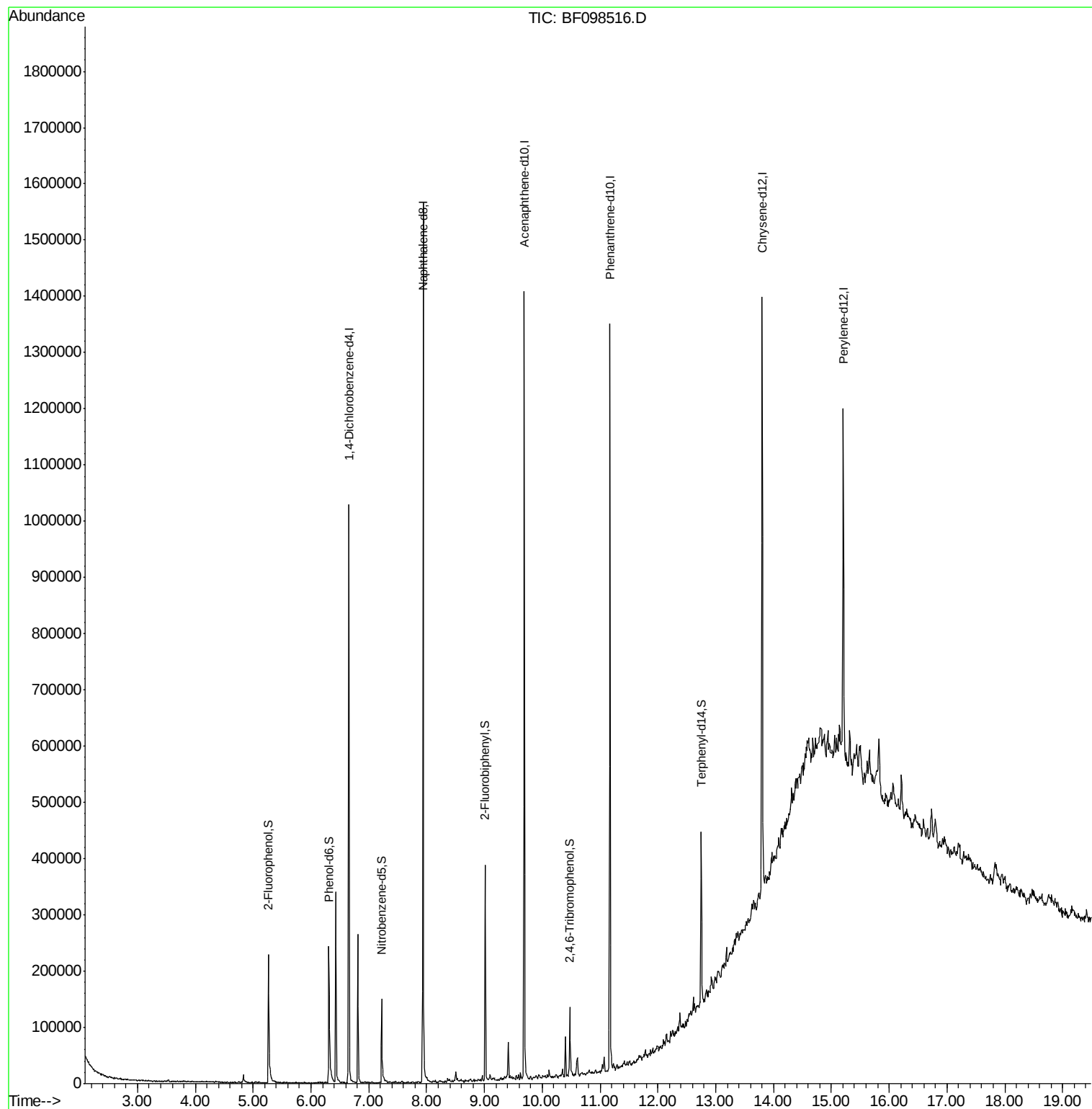
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

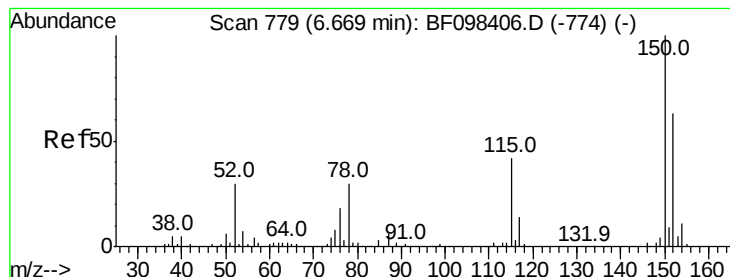
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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G-41-A1-2.5-5

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QLast Update : Tue Sep 12 02:14:50 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

G-41-A1-2.5-5

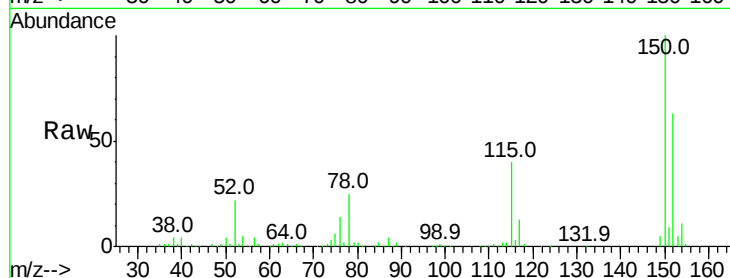
Tot Ion:152 Resp: 153356

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

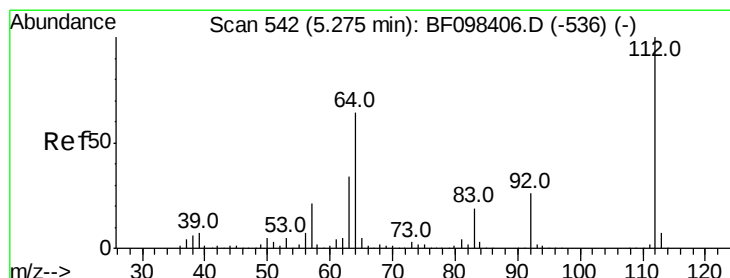
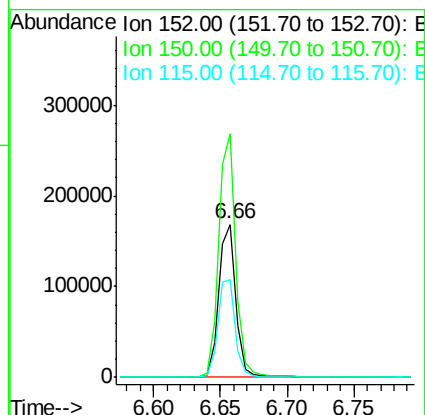
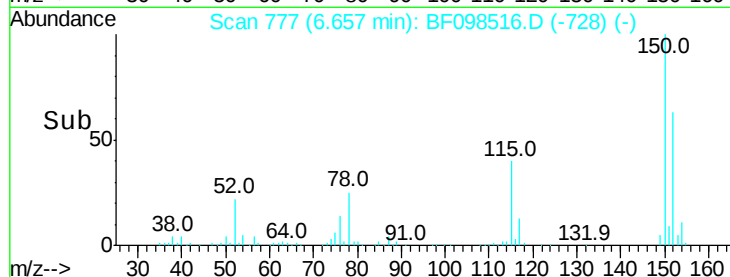
115 64.2 52.2 78.2



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: 7.972 ng

RT: 5.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

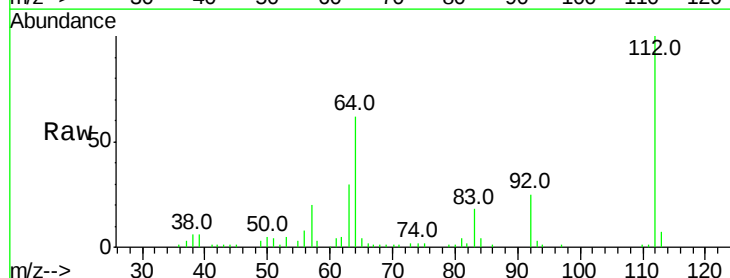
Tgt Ion:112 Resp: 82684

Ion Ratio Lower Upper

112 100

64 62.5 46.0 69.0

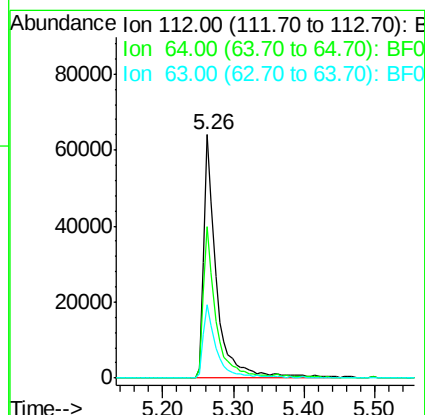
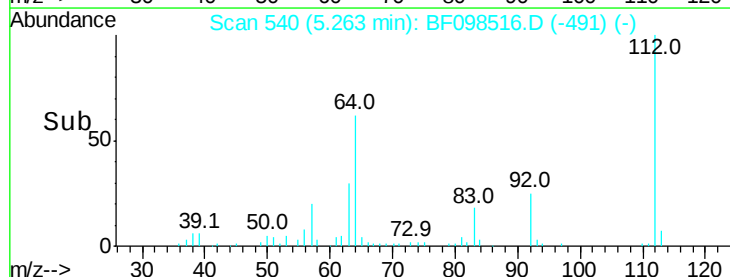
63 29.9 23.4 35.0



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: 8.018 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

G-41-A1-2.5-5

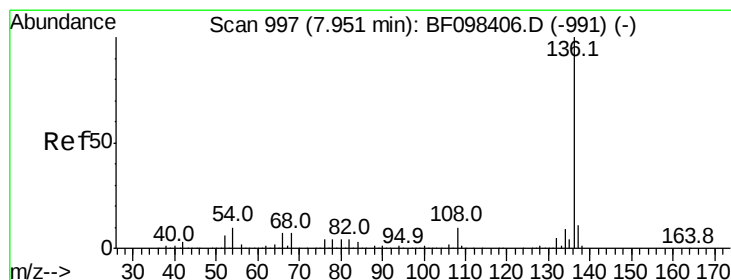
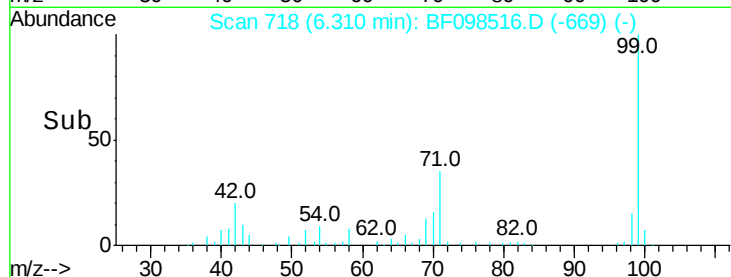
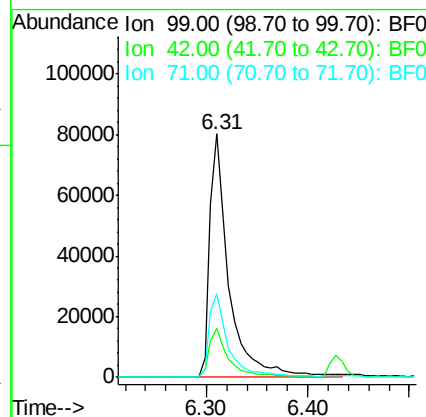
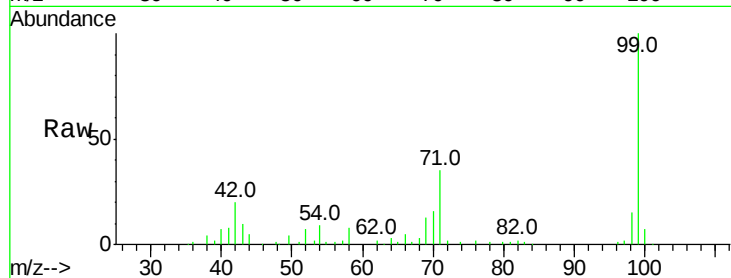
Tot Ion: 99 Resp: 105593

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3#

71 34.6 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

Tgt Ion: 136 Resp: 633451

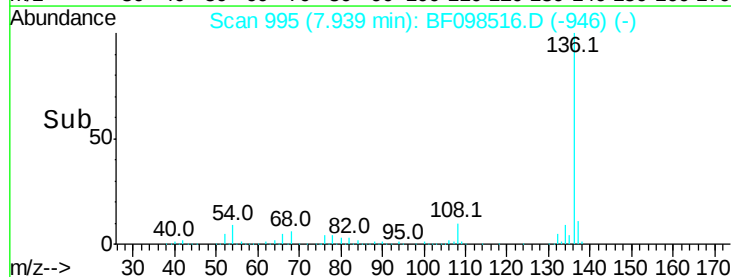
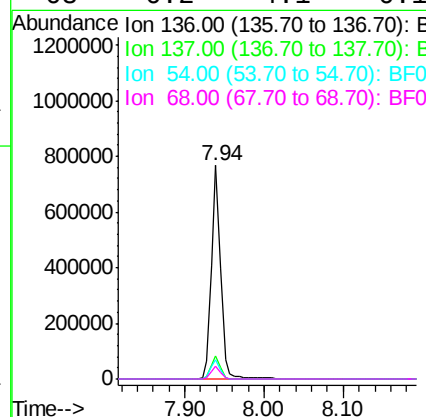
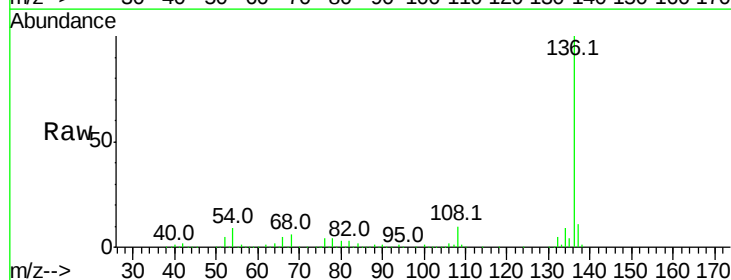
Ion Ratio Lower Upper

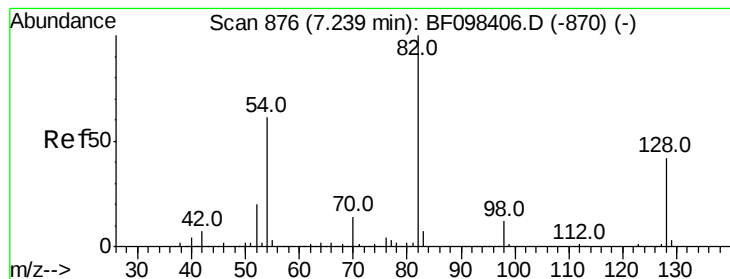
136 100

137 11.1 8.5 12.7

54 9.2 4.9 7.3#

68 6.2 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 4.844 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

G-41-A1-2.5-5

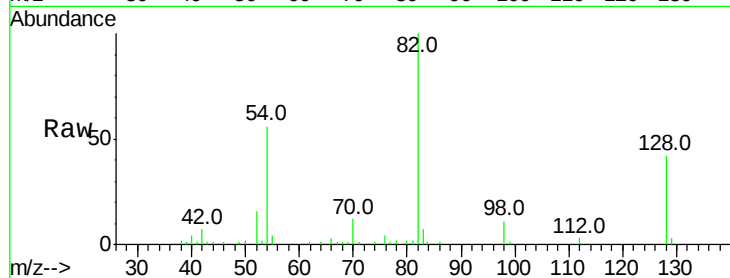
Tot Ion: 82 Resp: 55034

Ion Ratio Lower Upper

82 100

128 41.5 34.0 51.0

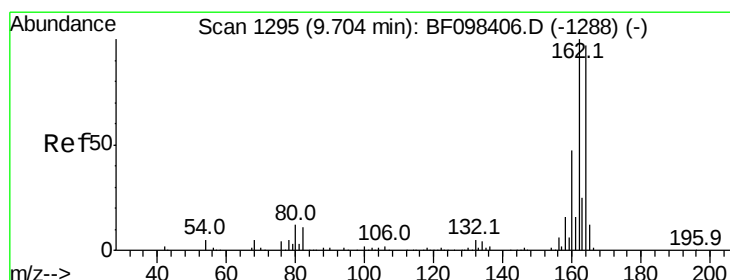
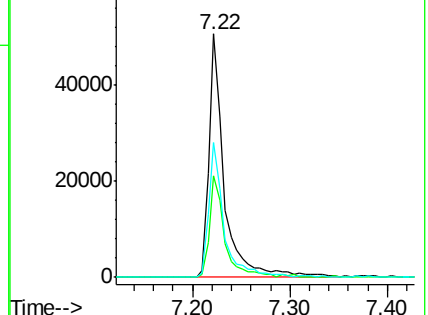
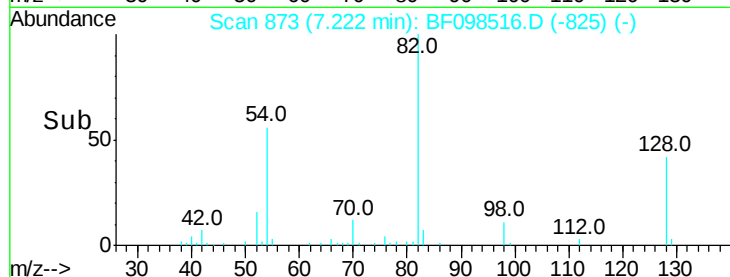
54 55.6 42.2 63.2



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: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

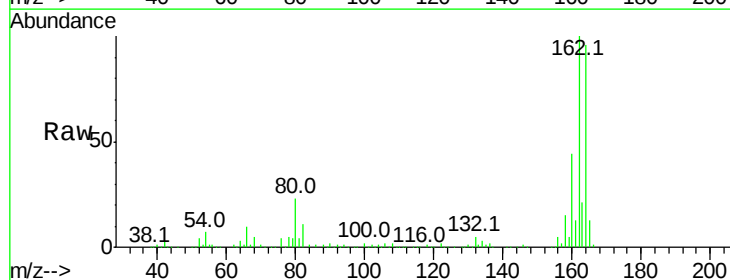
Tgt Ion:164 Resp: 268840

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

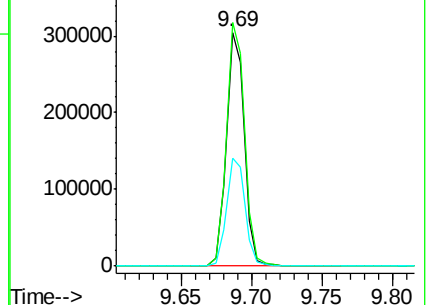
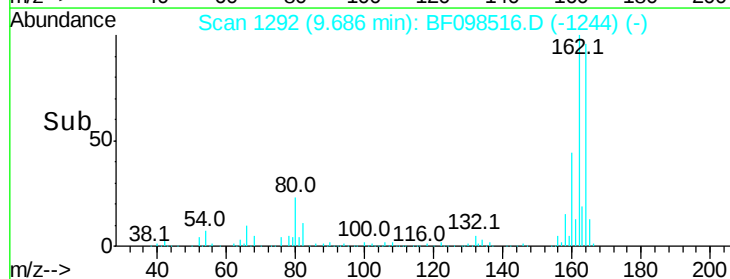
160 46.0 36.2 54.2

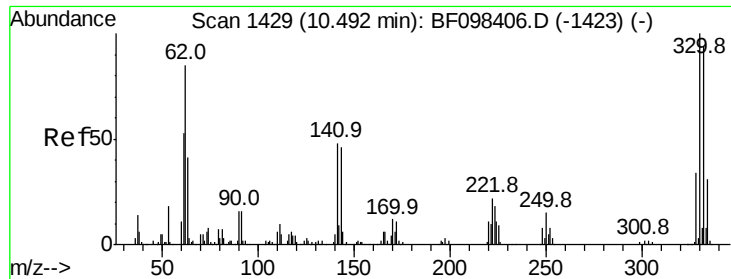


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

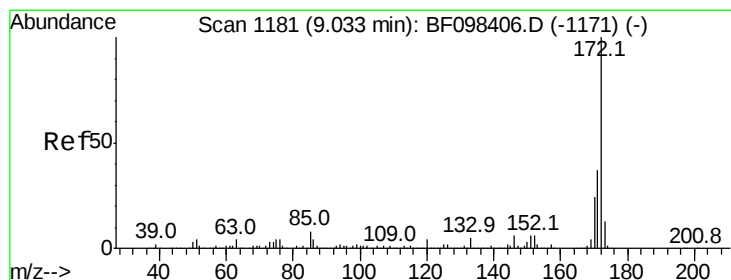
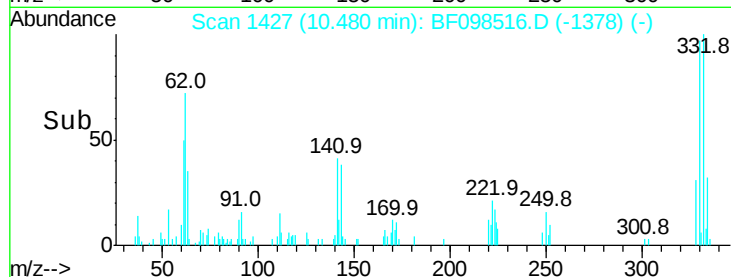
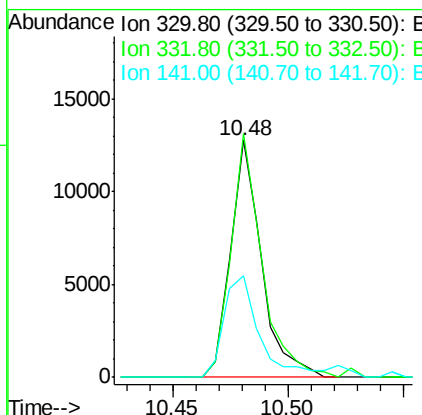
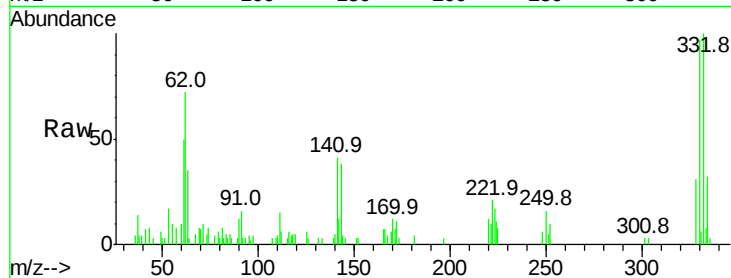




#41  
 2,4,6-Tribromophenol  
 Concen: 6.642 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. -0.01 min  
 Lab File: BF098516.D  
 Acq: 14 Sep 2017 3:48

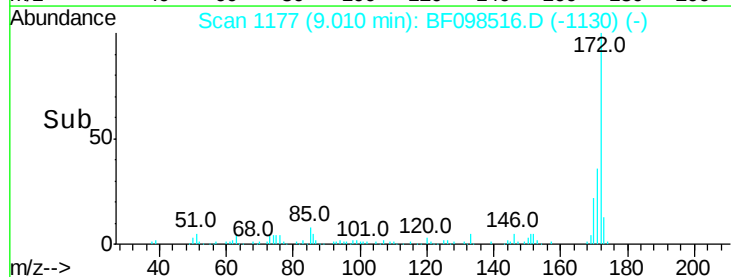
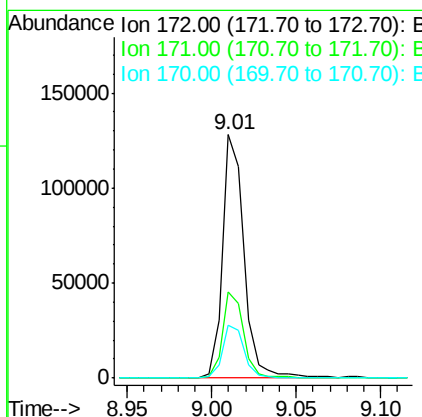
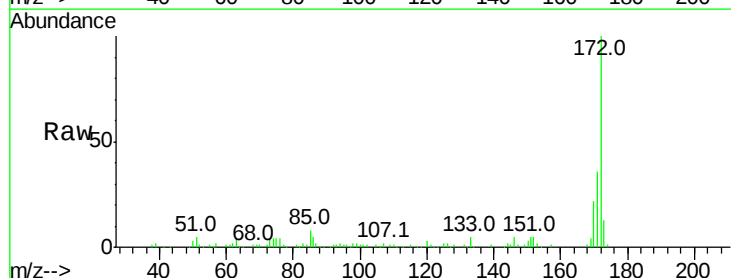
Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-41-A1-2.5-5

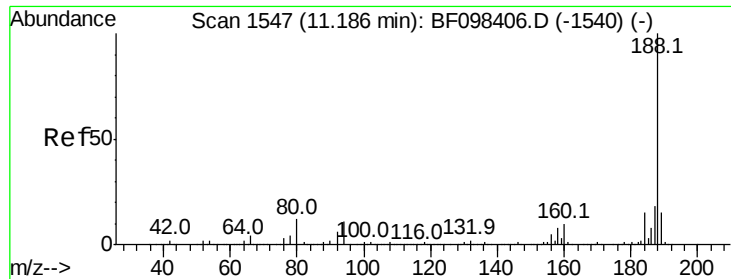
Tot Ion:330 Resp: 11918  
 Ion Ratio Lower Upper  
 330 100  
 332 102.7 76.6 115.0  
 141 49.4 31.4 47.2#



#44  
 2-Fluorobiphenyl  
 Concen: 7.177 ng  
 RT: 9.01 min Scan# 1177  
 Delta R.T. -0.02 min  
 Lab File: BF098516.D  
 Acq: 14 Sep 2017 3:48

Tgt Ion:172 Resp: 113841  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.6 44.4  
 170 21.7 19.8 29.8

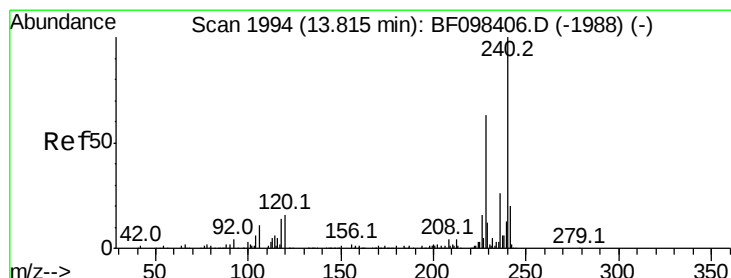
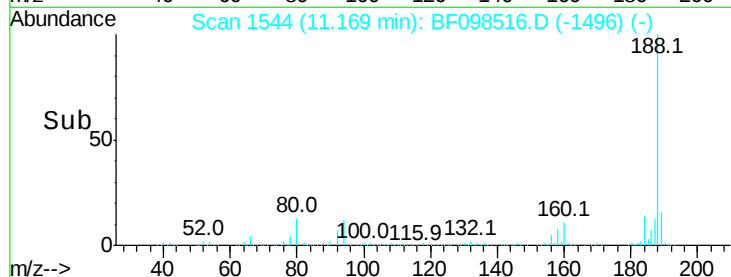
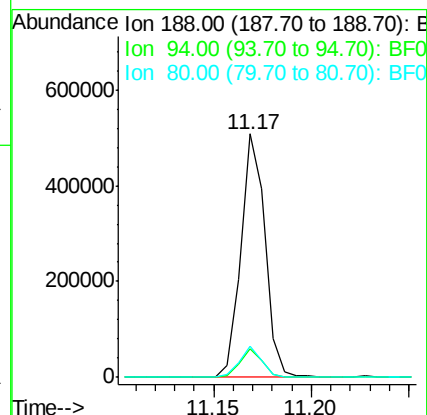
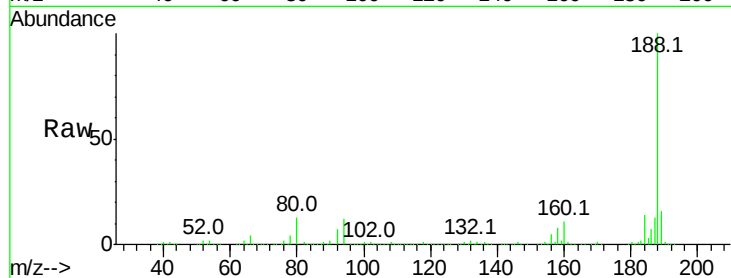




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.17 min Scan# 1544  
Delta R.T. -0.02 min  
Lab File: BF098516.D  
Acq: 14 Sep 2017 3:48

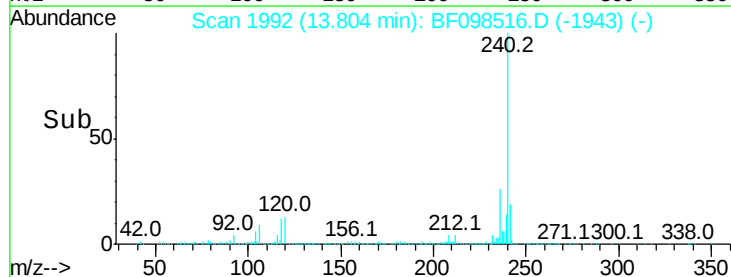
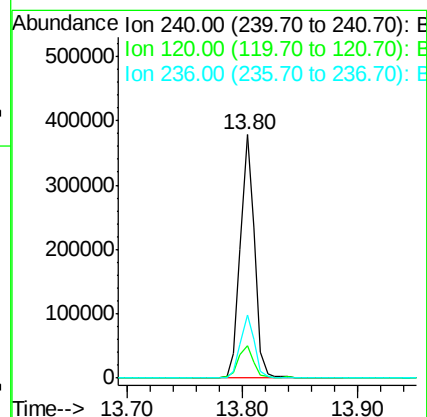
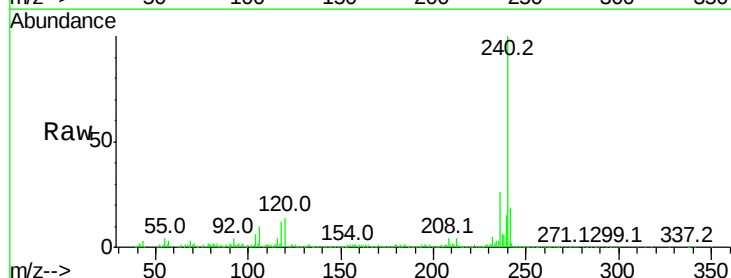
Instrument :  
BNA\_F  
ClientSampleId :  
G-41-A1-2.5-5

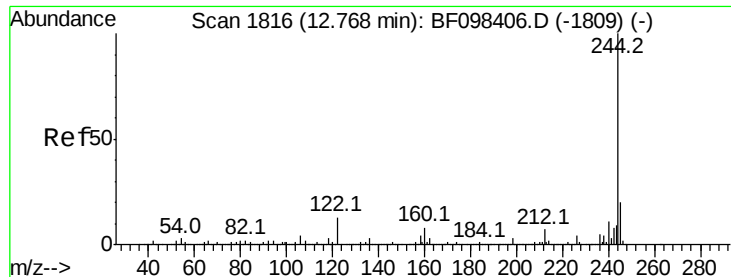
Tot Ion:188 Resp: 435743  
Ion Ratio Lower Upper  
188 100  
94 11.9 9.4 14.2  
80 12.7 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.80 min Scan# 1992  
Delta R.T. -0.01 min  
Lab File: BF098516.D  
Acq: 14 Sep 2017 3:48

Tgt Ion:240 Resp: 320899  
Ion Ratio Lower Upper  
240 100  
120 13.5 5.8 8.8#  
236 26.1 20.5 30.7





#78

Terphenyl-d14

Concen: 5.424 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

G-41-A1-2.5-5

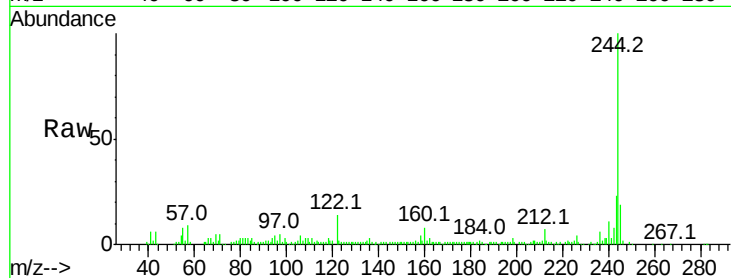
Tot Ion:244 Resp: 80641

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

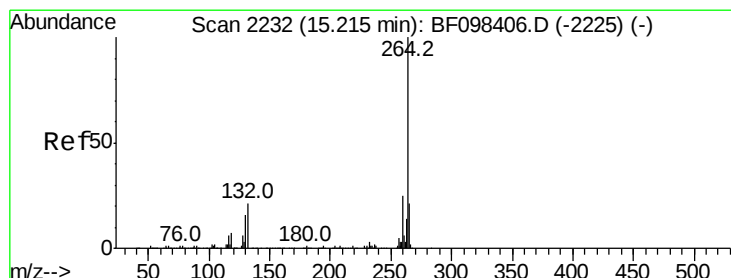
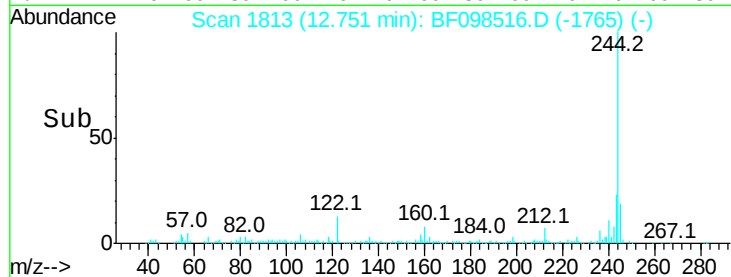
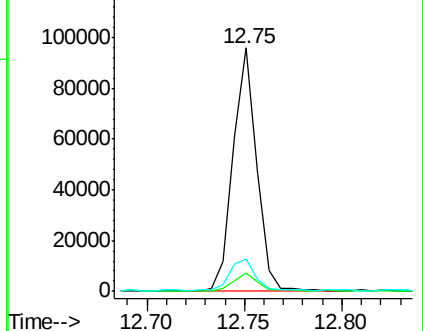
122 13.6 10.3 15.5



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: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF098516.D

Acq: 14 Sep 2017 3:48

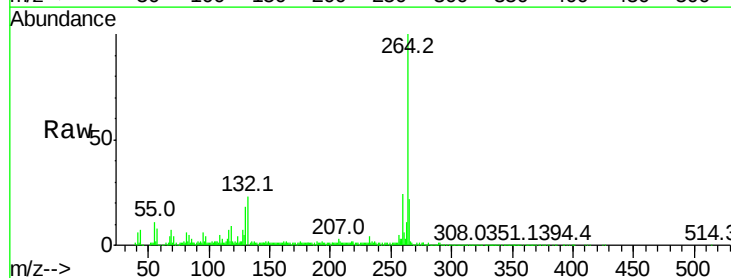
Tgt Ion:264 Resp: 256552

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.2 17.2 25.8



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

