

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\  
 Data File : BF096088.D  
 Acq On : 21 Jun 2017 17:10  
 Operator : SJ/MA  
 Sample : I3736-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G14-1.5-3

Quant Time: Jun 22 01:04:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

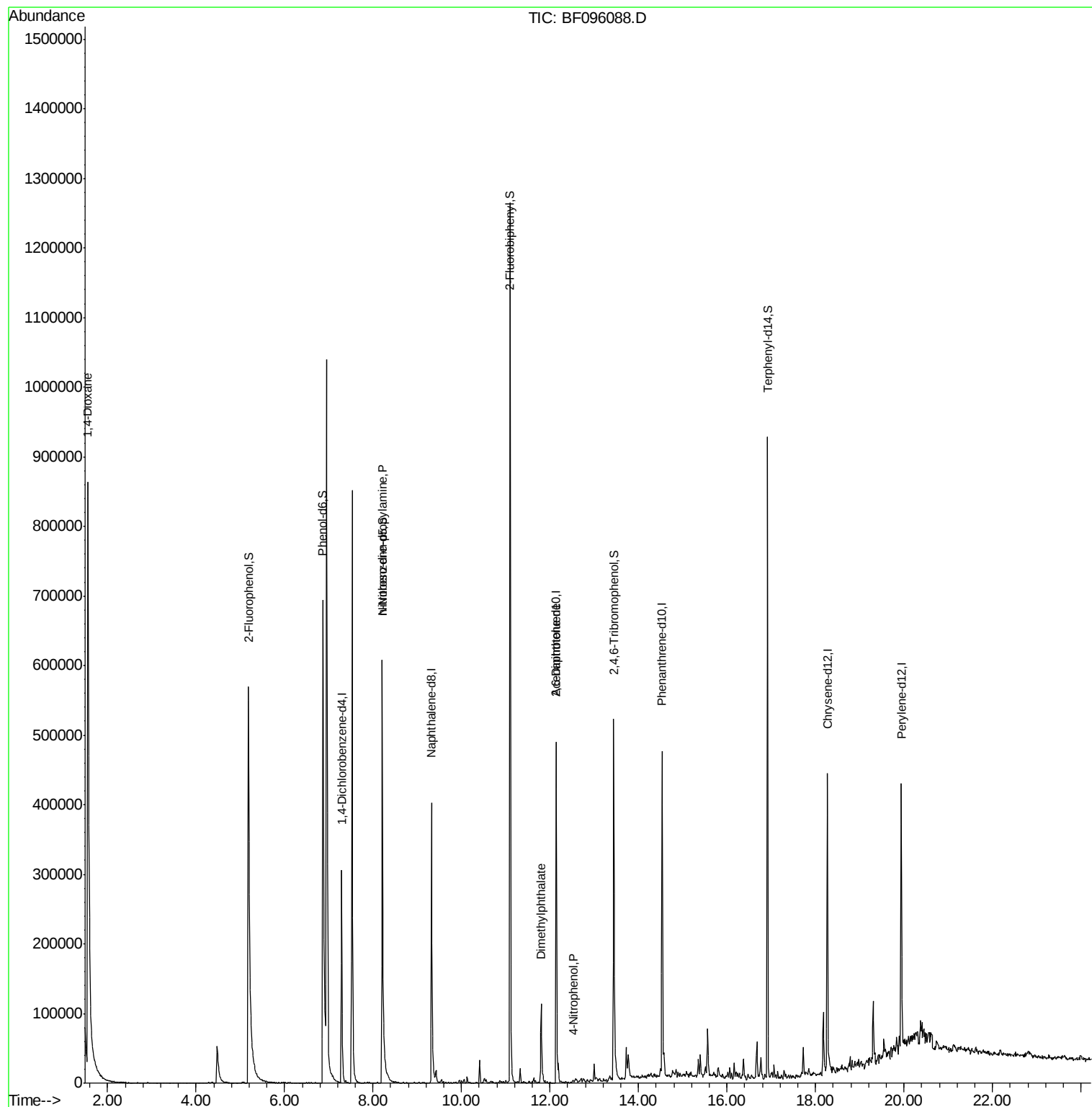
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.29  | 152  | 77639    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.32  | 136  | 321527   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.14 | 164  | 142771   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 14.53 | 188  | 252689   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.27 | 240  | 179725   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 19.94 | 264  | 167042   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.19  | 112  | 480705   | 98.66  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.86  | 99   | 602974   | 103.37 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.21  | 82   | 359802   | 69.50  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.44 | 330  | 98939    | 78.32  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 11.10 | 172  | 606189   | 59.08  | ng    | -0.01    |
| 78) Terphenyl-d14              | 16.92 | 244  | 365543   | 50.48  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.55  | 88   | 49457    | 21.34  | ng    | # 21     |
| 19) n-Nitroso-di-n-propylamine | 8.21  | 70   | 43108    | 11.66  | ng    | # 77     |
| 49) Dimethylphthalate          | 11.80 | 163  | 86065    | 7.94   | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 12.14 | 165  | 17965    | 7.60   | ng    | # 31     |
| 55) 4-Nitrophenol              | 12.52 | 139  | 429      | 4.88   | ng    | # 25     |

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

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G14-1.5-3

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QLast Update : Tue Jun 20 16:05:47 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

Instrument :

BNA\_F

ClientSampleId :

G14-1.5-3

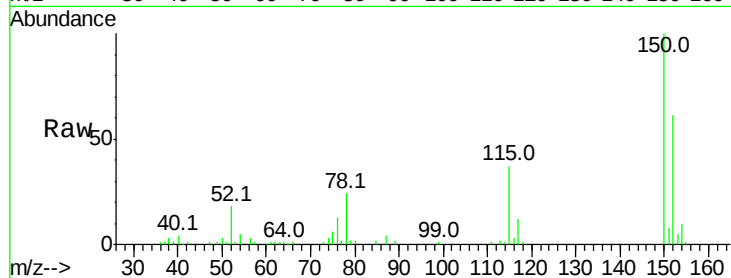
Tot Ion:152 Resp: 77639

Ion Ratio Lower Upper

152 100

150 164.1 126.2 189.2

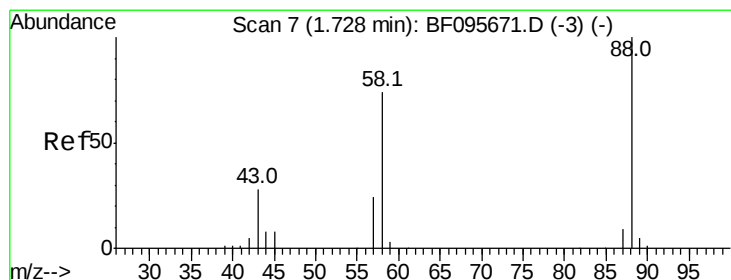
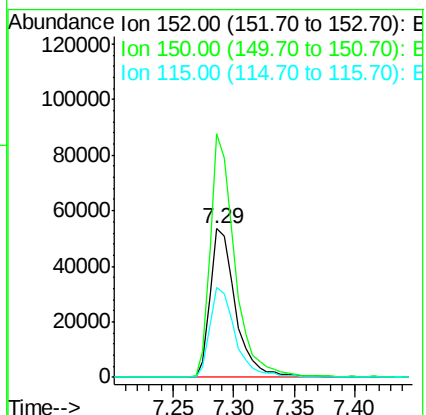
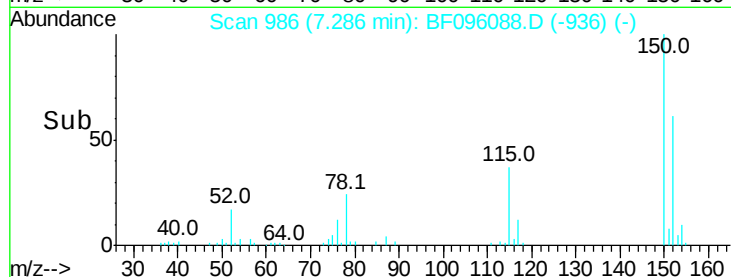
115 60.7 52.2 78.2



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



#2

1,4-Dioxane

Concen: 21.34 ng

RT: 1.55 min Scan# 11

Delta R.T. -0.06 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

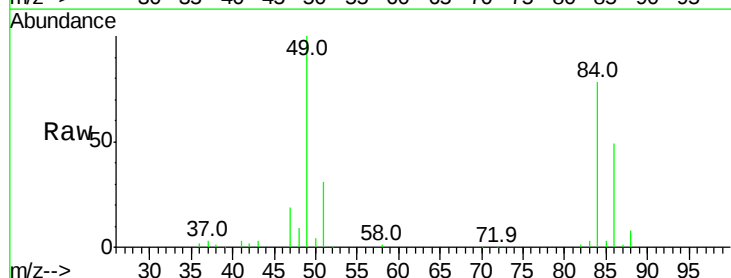
Tgt Ion: 88 Resp: 49457

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

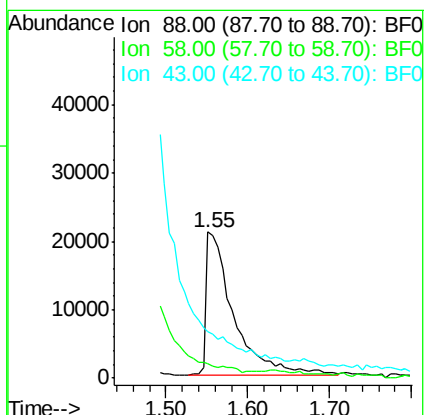
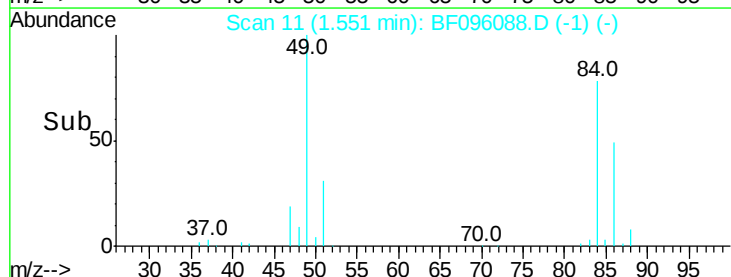
43 0.0 23.4 35.0#

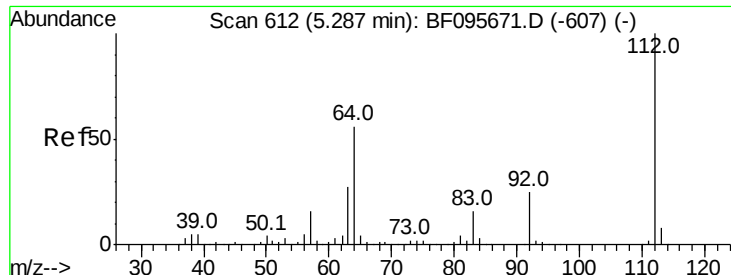


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

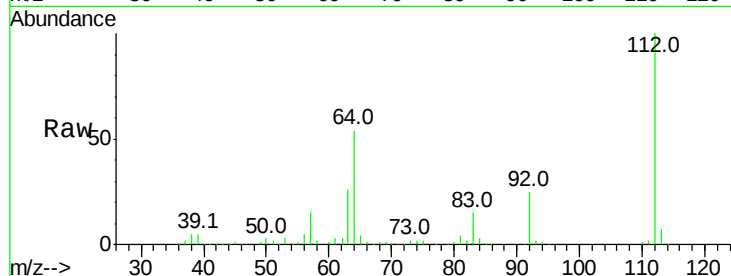




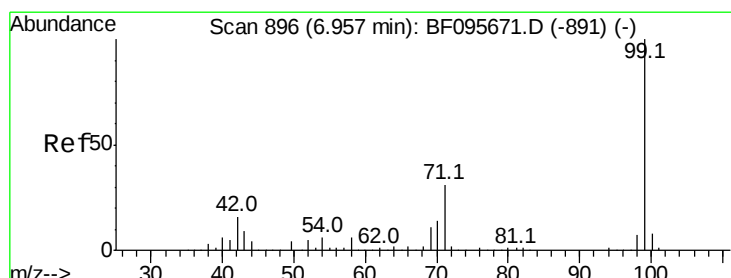
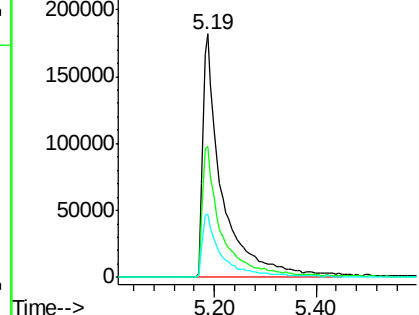
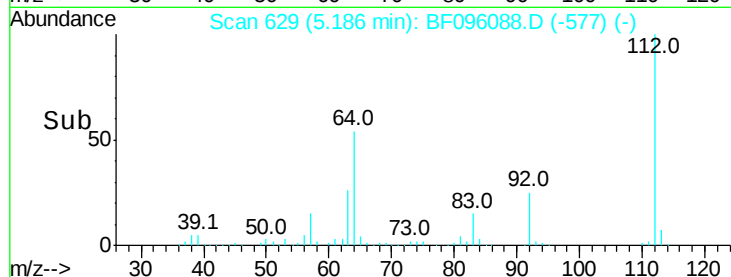
#5  
 2-Fluorophenol  
 Concen: 98.66 ng  
 RT: 5.19 min Scan# 629  
 Delta R.T. 0.01 min  
 Lab File: BF096088.D  
 Acq: 21 Jun 2017 17:10

Instrument :  
 BNA\_F  
 ClientSampled :  
 G14-1.5-3

Tot Ion:112 Resp: 480705  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 46.0 69.0  
 63 26.1 23.4 35.0

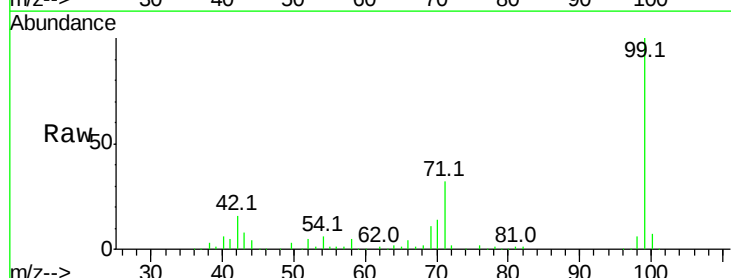


Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0

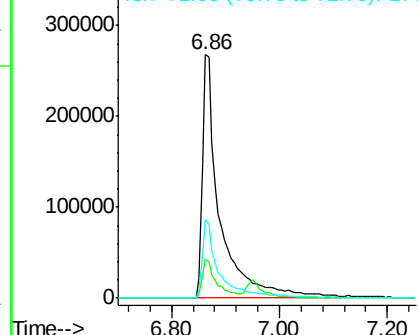
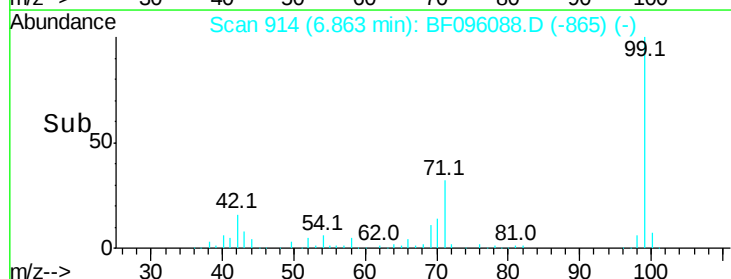


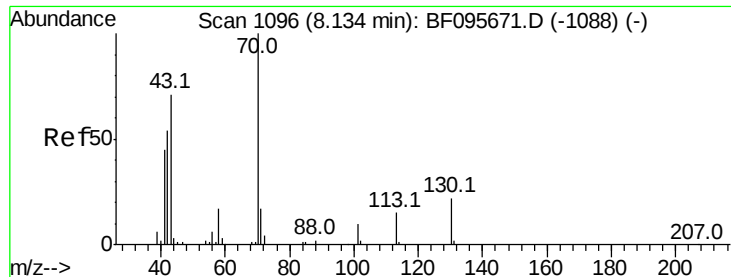
#7  
 Phenol-d6  
 Concen: 103.37 ng  
 RT: 6.86 min Scan# 914  
 Delta R.T. -0.01 min  
 Lab File: BF096088.D  
 Acq: 21 Jun 2017 17:10

Tgt Ion: 99 Resp: 602974  
 Ion Ratio Lower Upper  
 99 100  
 42 15.9 13.5 20.3  
 71 32.1 24.5 36.7



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

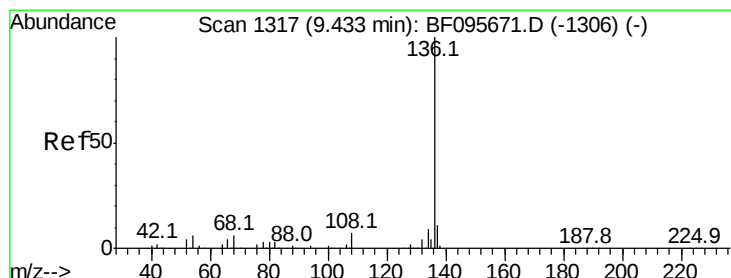
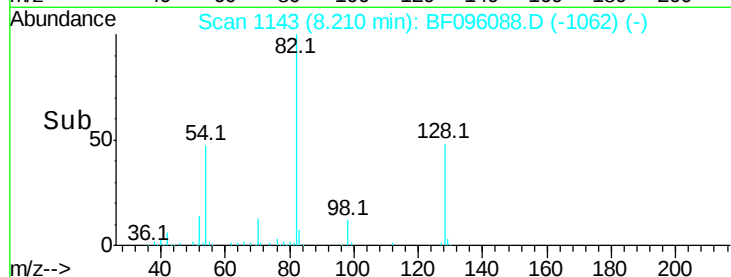
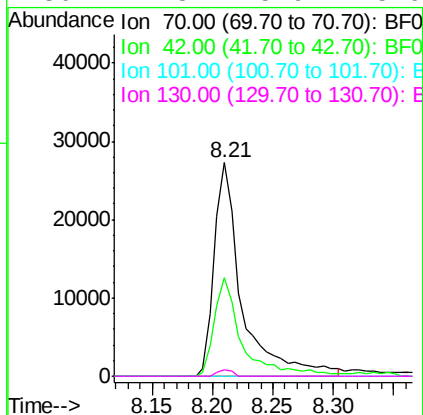
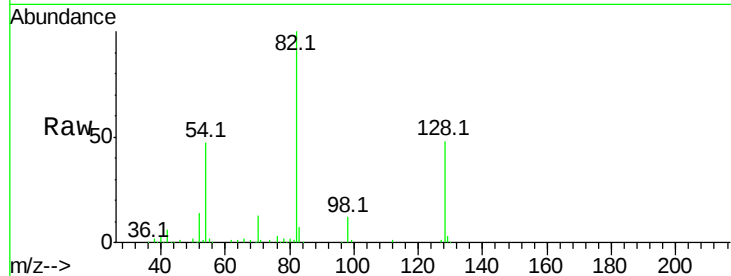




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.66 ng  
RT: 8.21 min Scan# 1143  
Delta R.T. 0.18 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

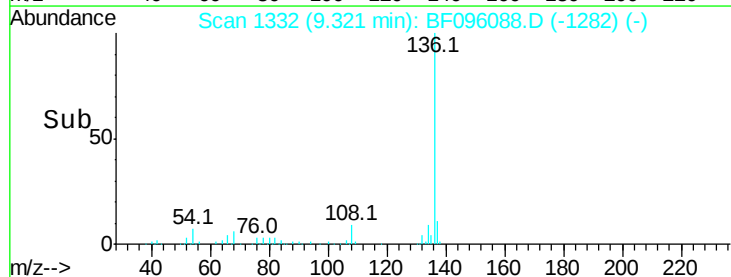
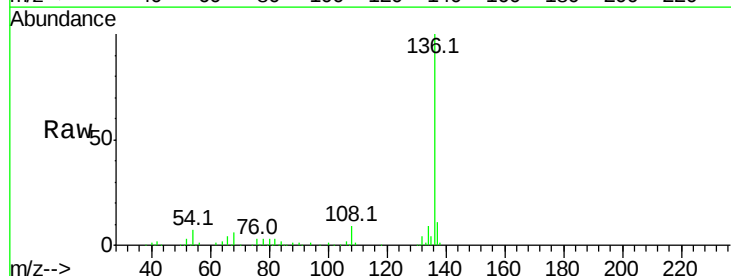
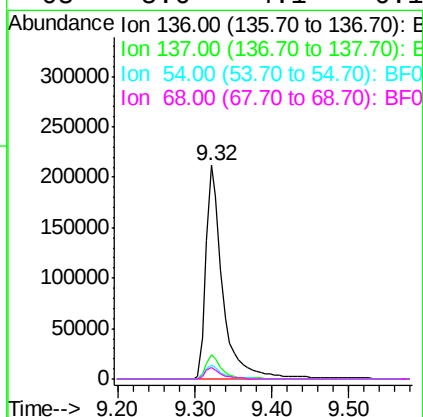
Instrument :  
BNA\_F  
ClientSampleId :  
G14-1.5-3

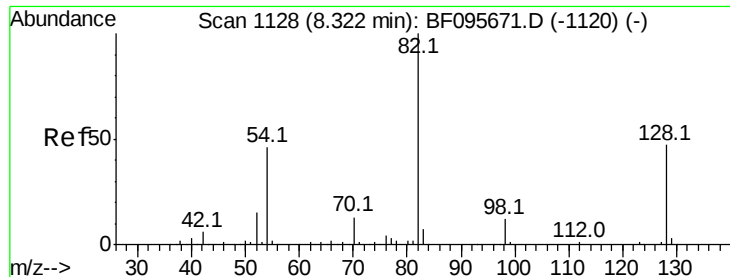
Tot Ion: 70 Resp: 43108  
Ion Ratio Lower Upper  
70 100  
42 46.1 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.8 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.32 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

Tgt Ion:136 Resp: 321527  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.5 12.7  
54 6.8 4.9 7.3  
68 5.6 4.1 6.1

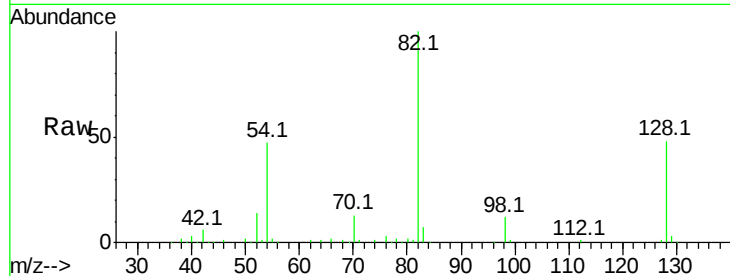




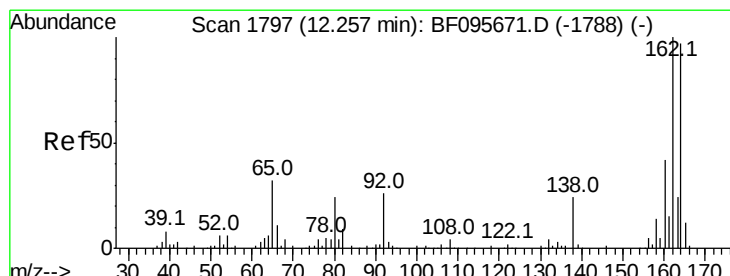
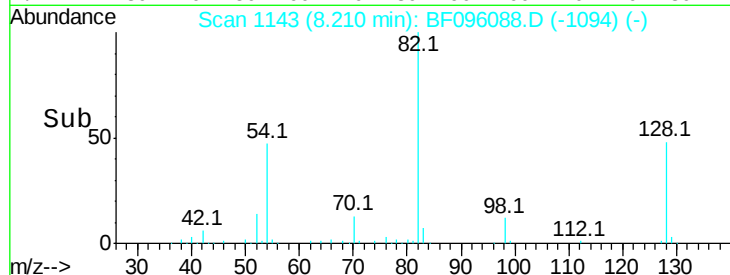
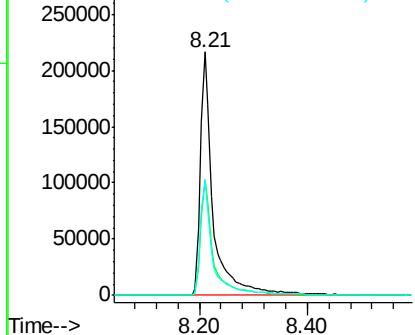
#23  
Nitrobenzene-d5  
Concen: 69.50 ng  
RT: 8.21 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

Instrument :  
BNA\_F  
ClientSampleId :  
G14-1.5-3

Tot Ion: 82 Resp: 359802  
Ion Ratio Lower Upper  
82 100  
128 47.5 34.0 51.0  
54 47.3 42.2 63.2

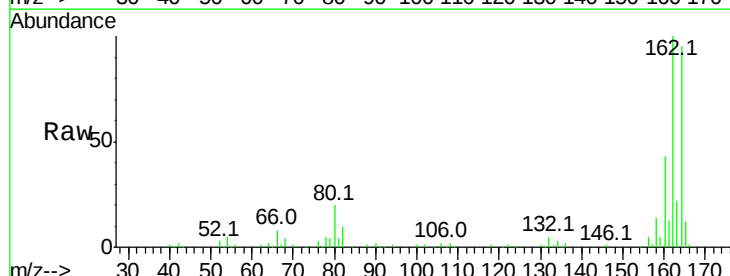


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

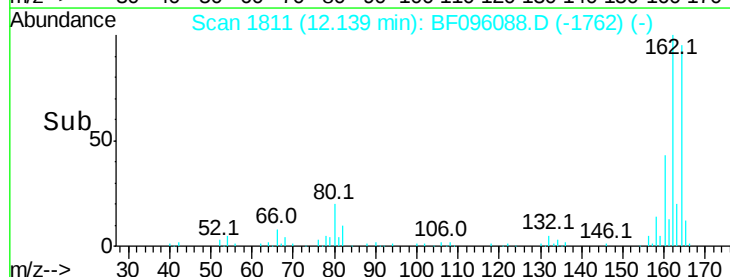
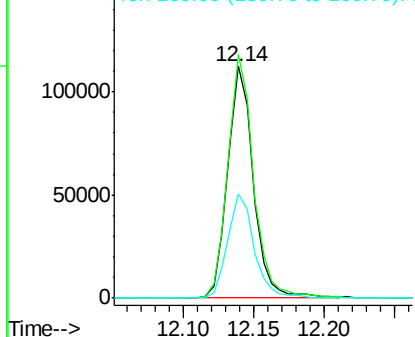


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.14 min Scan# 1811  
Delta R.T. -0.01 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

Tgt Ion:164 Resp: 142771  
Ion Ratio Lower Upper  
164 100  
162 105.0 82.6 123.8  
160 44.7 36.2 54.2



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

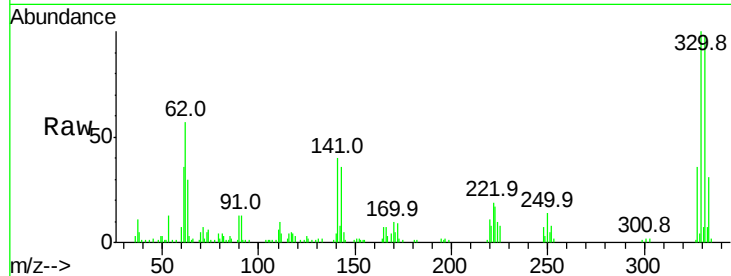




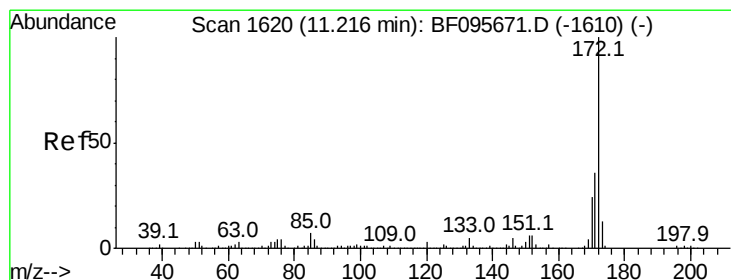
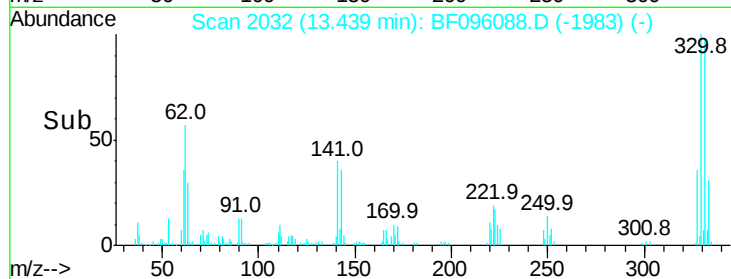
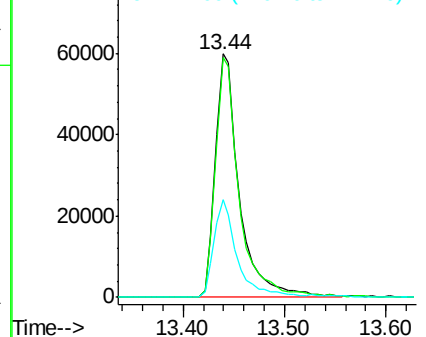
#41  
 2,4,6-Tribromophenol  
 Concen: 78.32 ng  
 RT: 13.44 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BF096088.D  
 Acq: 21 Jun 2017 17:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G14-1.5-3

Tot Ion:330 Resp: 98939  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.6 115.0  
 141 39.0 31.4 47.2

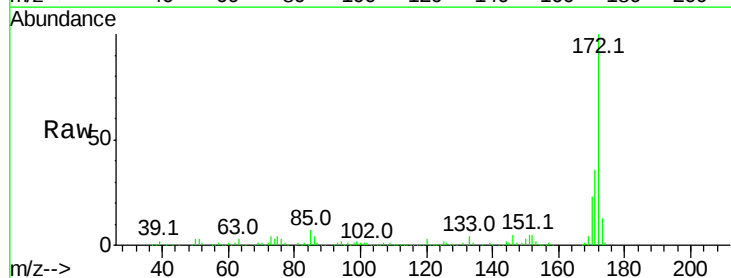


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

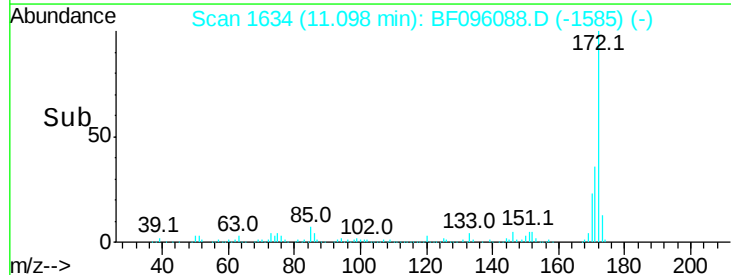
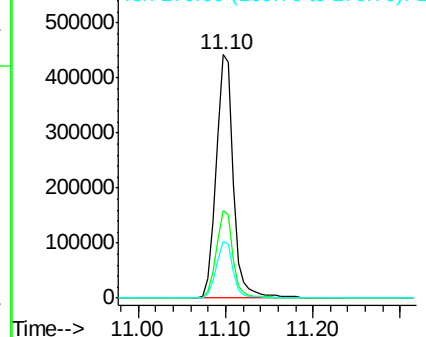


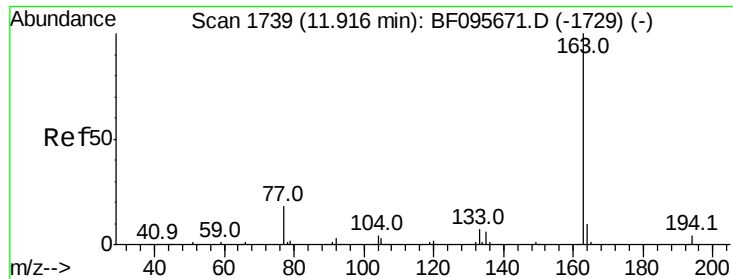
#44  
 2-Fluorobiphenyl  
 Concen: 59.08 ng  
 RT: 11.10 min Scan# 1634  
 Delta R.T. -0.01 min  
 Lab File: BF096088.D  
 Acq: 21 Jun 2017 17:10

Tgt Ion:172 Resp: 606189  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.6 44.4  
 170 23.4 19.8 29.8



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: 7.94 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

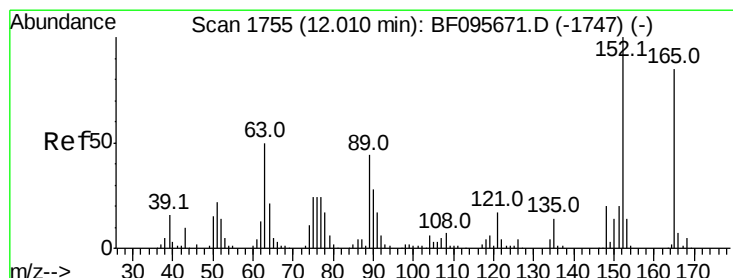
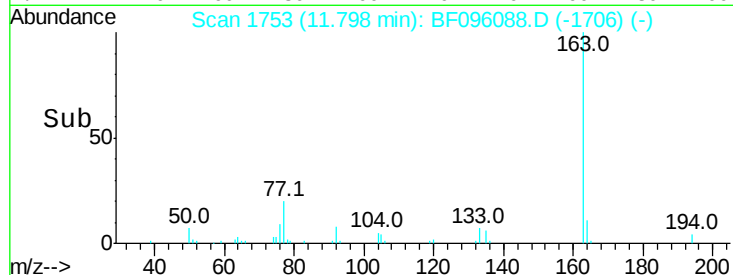
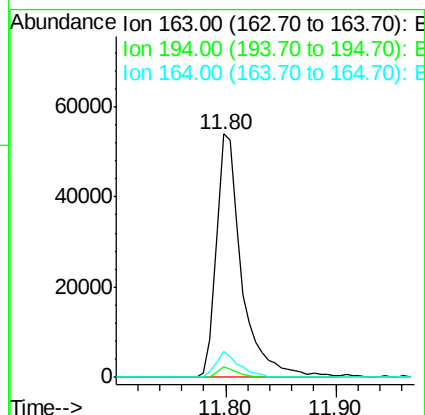
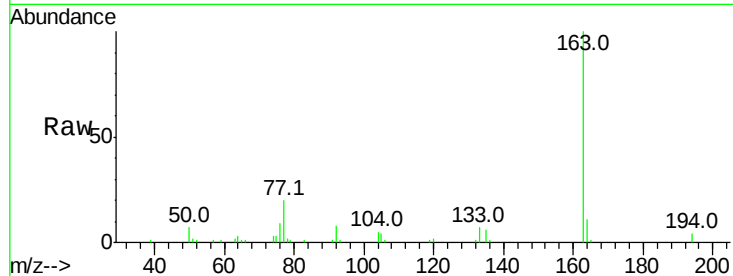
Instrument :

BNA\_F

ClientSampleId :

G14-1.5-3

|             |       |          |
|-------------|-------|----------|
| Tot Ion:163 | Resp: | 86065    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.2   | 2.6 4.0# |
| 164         | 10.8  | 8.4 12.6 |



#50

2,6-Dinitrotoluene

Concen: 7.60 ng

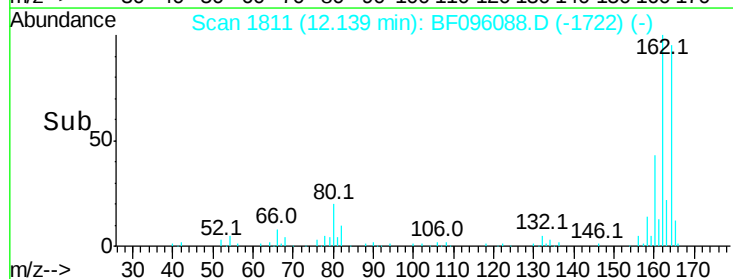
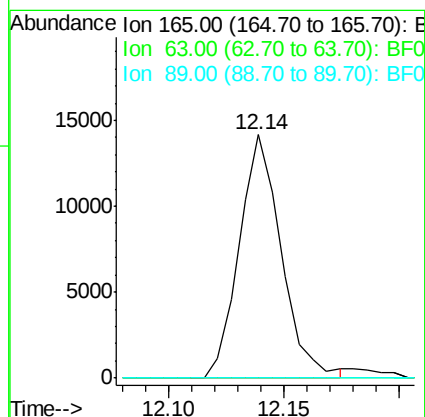
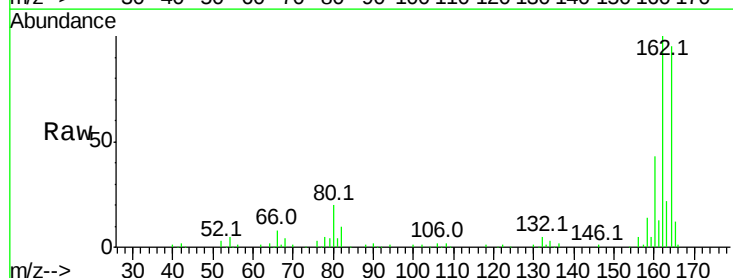
RT: 12.14 min Scan# 1811

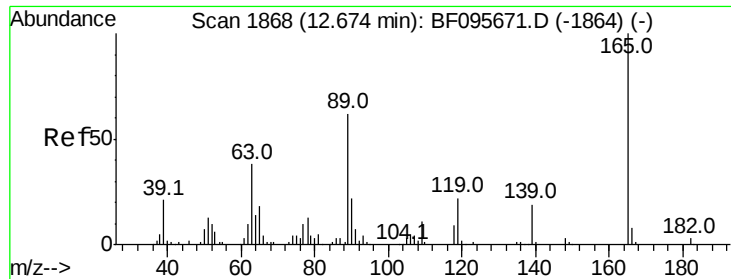
Delta R.T. 0.22 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 17965      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 34.3 51.5# |
| 89          | 0.0   | 37.1 55.7# |

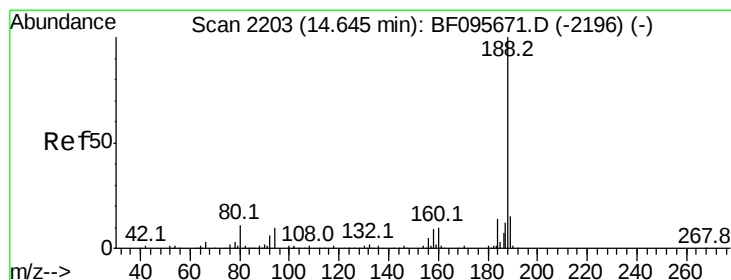
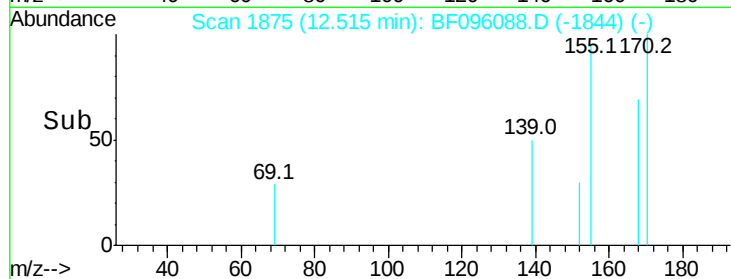
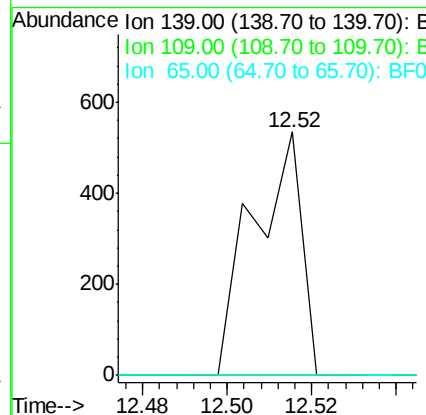
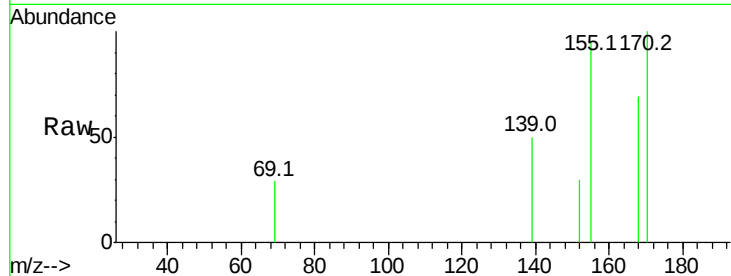




#55  
4-Nitrophenol  
Concen: 4.88 ng  
RT: 12.52 min Scan# 1875  
Delta R.T. -0.12 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

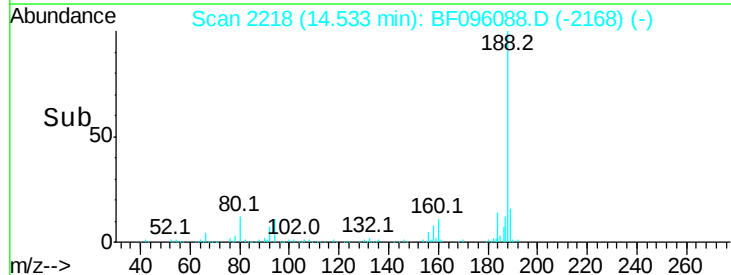
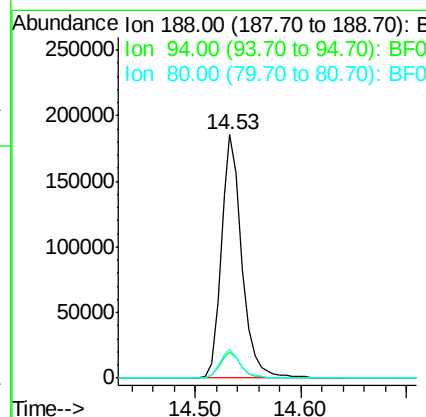
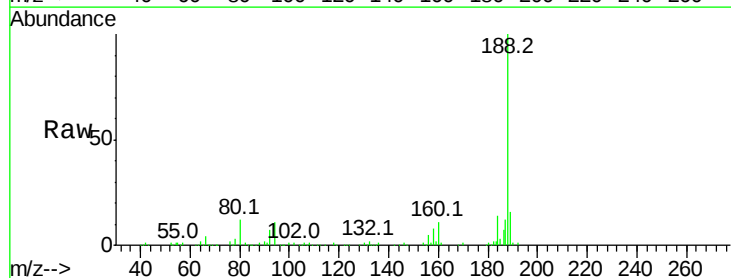
Instrument :  
BNA\_F  
ClientSampled :  
G14-1.5-3

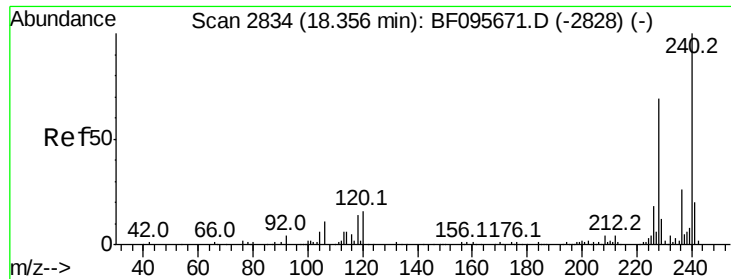
Tot Ion:139 Resp: 429  
Ion Ratio Lower Upper  
139 100  
109 0.0 34.1 74.1#  
65 0.0 31.4 71.4#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.53 min Scan# 2218  
Delta R.T. -0.01 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

Tgt Ion:188 Resp: 252689  
Ion Ratio Lower Upper  
188 100  
94 10.6 9.4 14.2  
80 11.9 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

Instrument :

BNA\_F

ClientSampleId :

G14-1.5-3

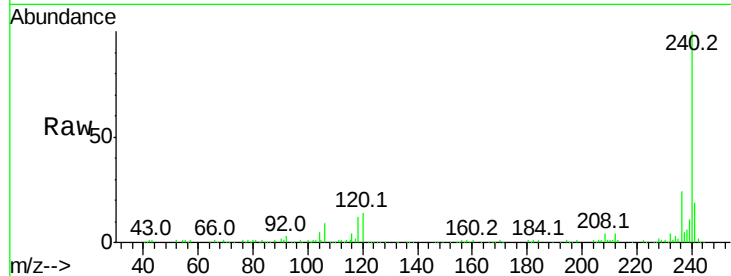
Tot Ion:240 Resp: 179725

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

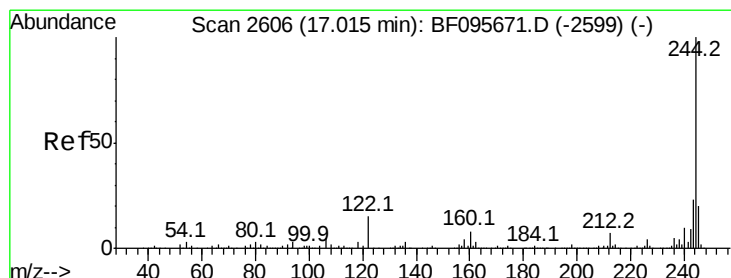
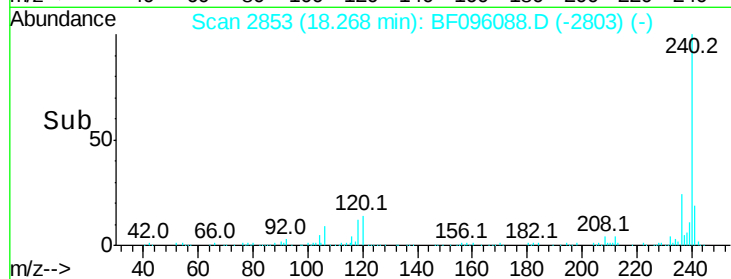
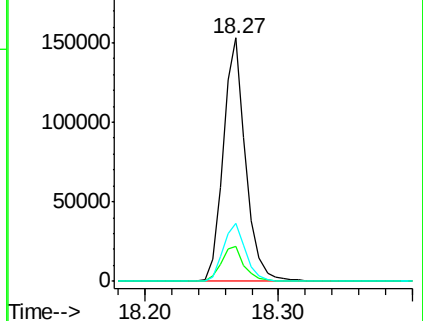
236 23.9 20.5 30.7



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: 50.48 ng

RT: 16.92 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF096088.D

Acq: 21 Jun 2017 17:10

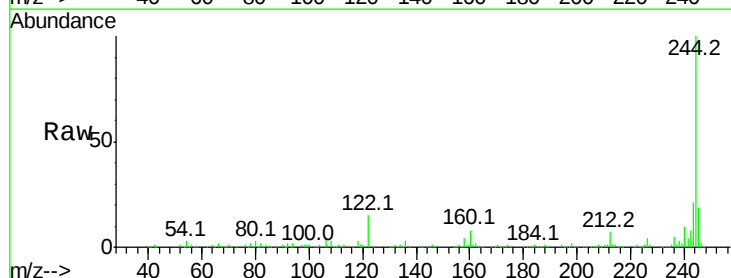
Tgt Ion:244 Resp: 365543

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

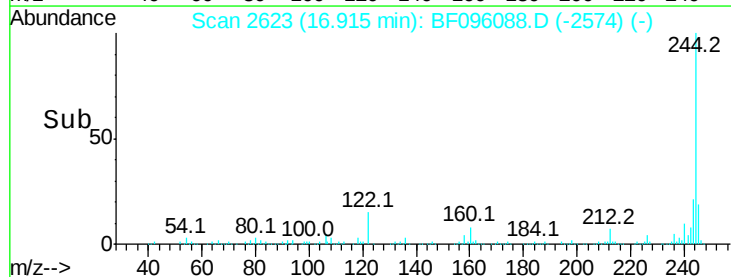
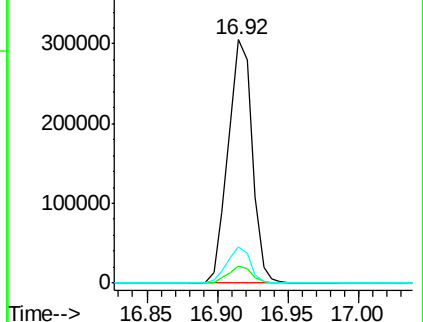
122 14.7 10.3 15.5

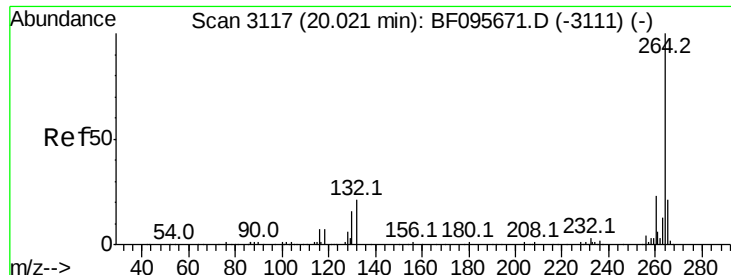


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



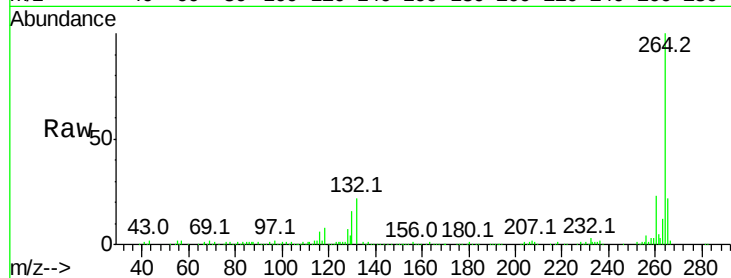


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 19.94 min Scan# 3137  
Delta R.T. -0.00 min  
Lab File: BF096088.D  
Acq: 21 Jun 2017 17:10

Instrument :  
BNA\_F  
ClientSampleId :  
G14-1.5-3

Tot Ion: 264 Resp: 167042  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 19.5  | 29.3  |
| 265 | 22.0  | 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

