

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\  
 Data File : BF088139.D  
 Acq On : 18 Jun 2016 17:39  
 Operator : UM/SJ  
 Sample : H3501-20  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB12-1-3

Quant Time: Jun 20 05:28:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 17 16:09:13 2016  
 Response via : Initial Calibration

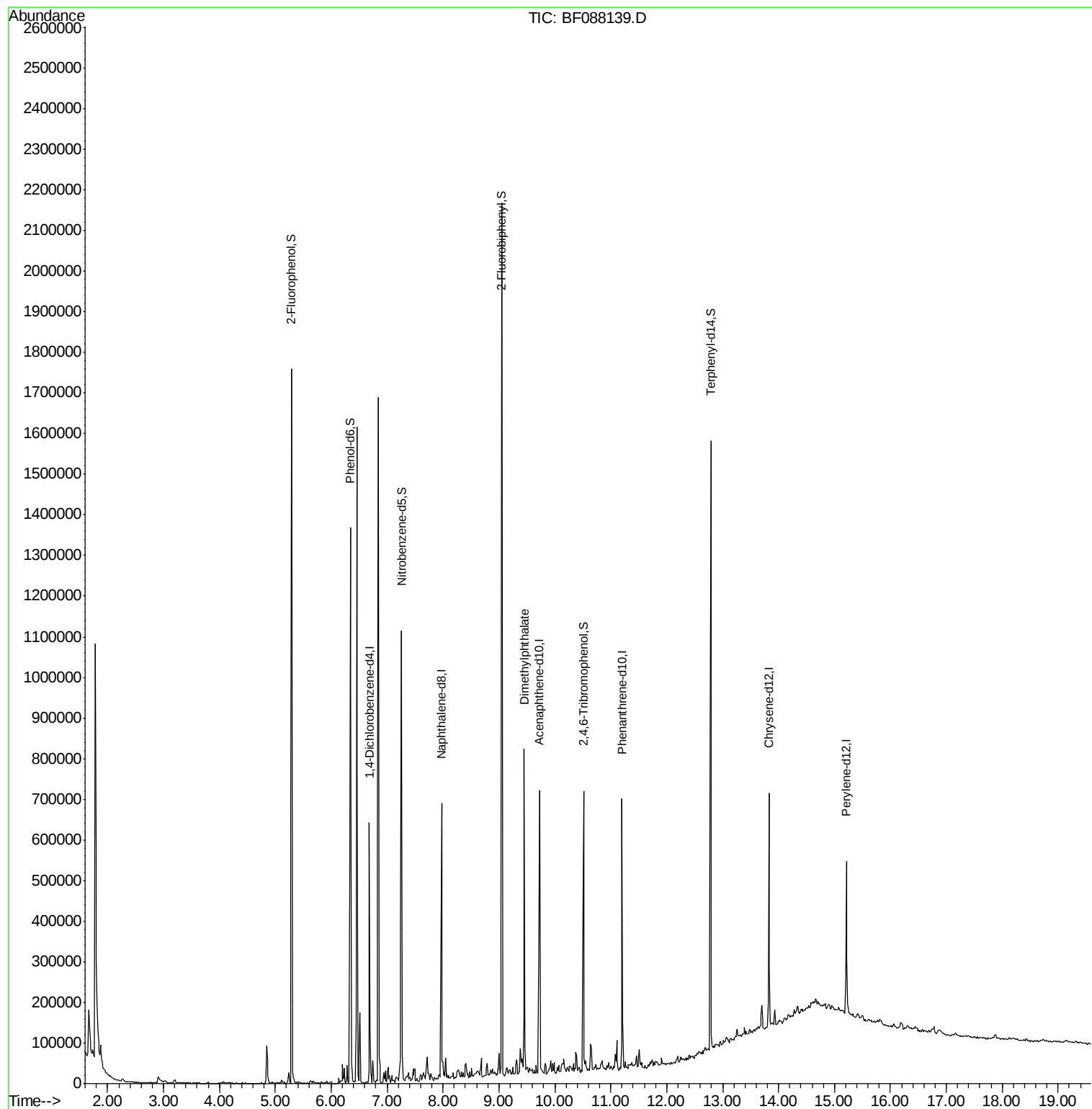
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.68  | 152  | 97159    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.98  | 136  | 365232   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.72  | 164  | 146240   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.20 | 188  | 228317   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.83 | 240  | 189260   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.21 | 264  | 150585   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 564063   | 99.25  | ng    | 0.01     |
| 7) Phenol-d6                | 6.34  | 99   | 713577   | 103.60 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 372536   | 59.56  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 99243    | 64.27  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 660202   | 69.94  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.79 | 244  | 551807   | 66.35  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.45  | 163  | 305416   | 28.83  | ng    | 99       |

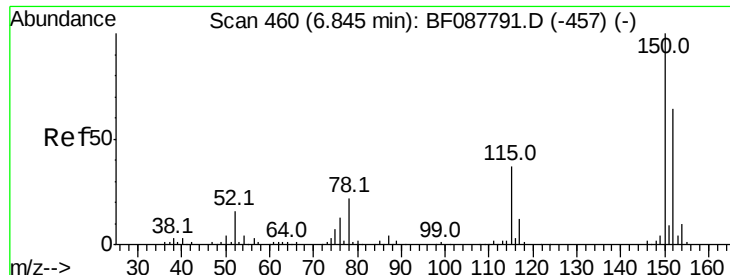
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA\_F

ClientSampleId :

SB12-1-3

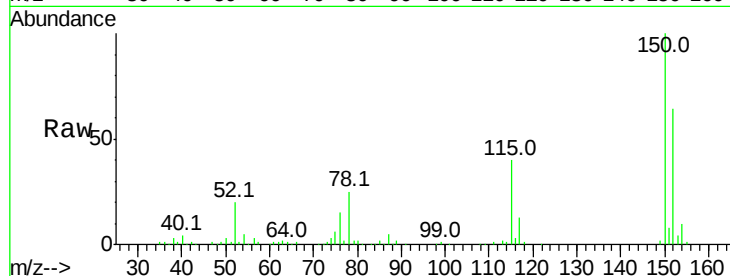
Tot Ion:152 Resp: 97159

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

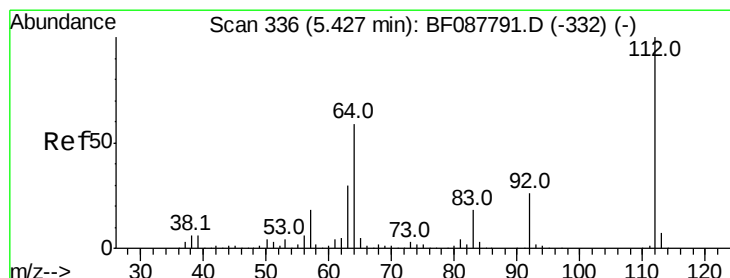
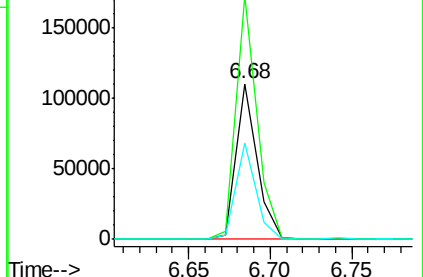
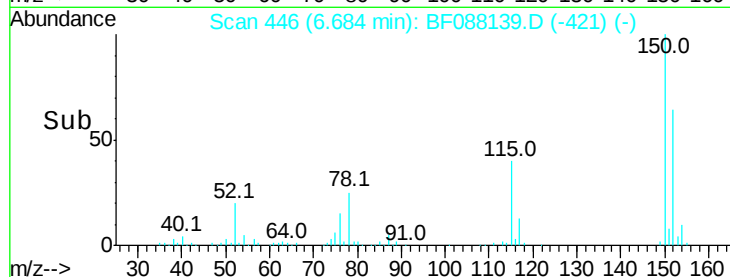
115 62.1 39.6 59.4#



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: 99.25 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

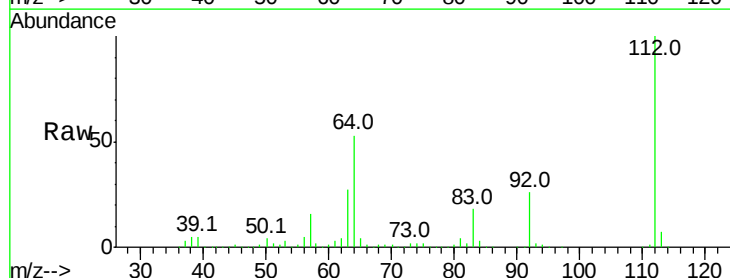
Tgt Ion:112 Resp: 564063

Ion Ratio Lower Upper

112 100

64 53.4 42.2 63.2

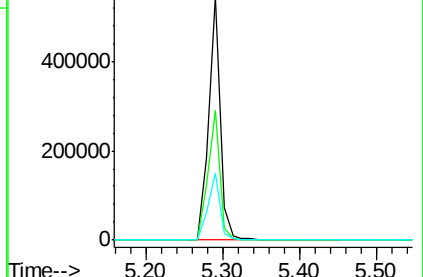
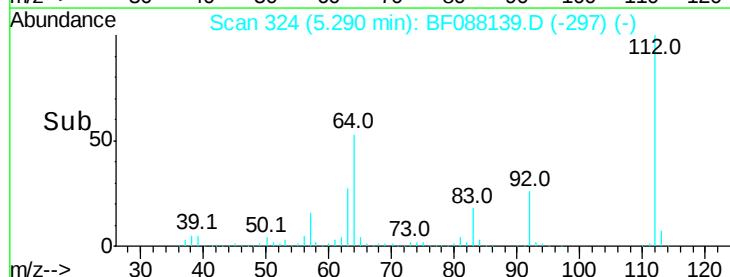
63 27.4 21.8 32.8

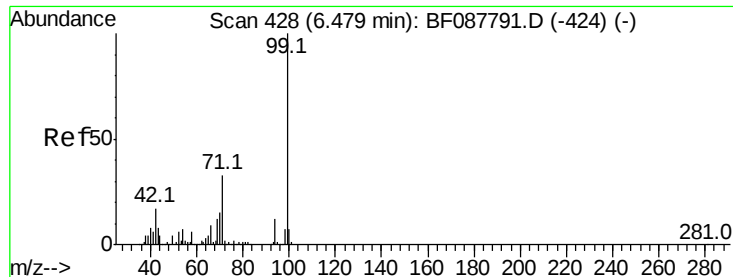


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.60 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA\_F

ClientSampleId :

SB12-1-3

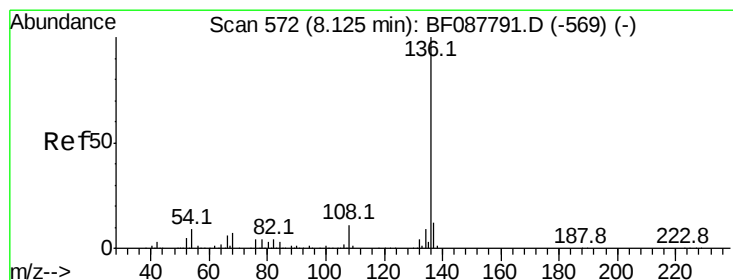
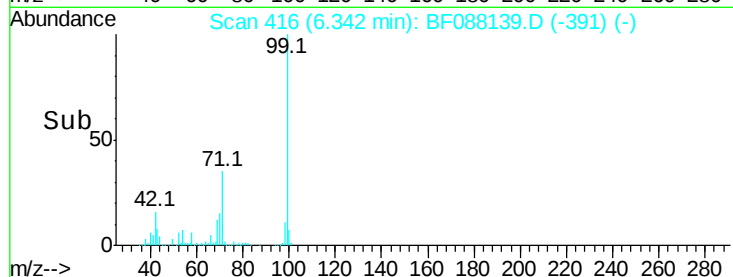
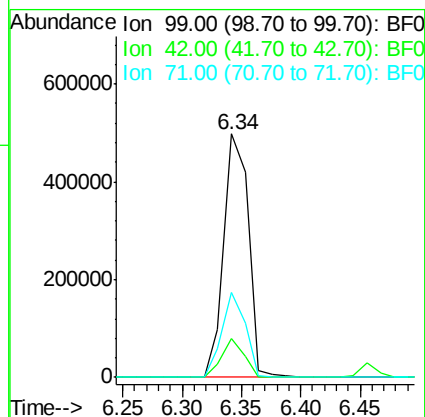
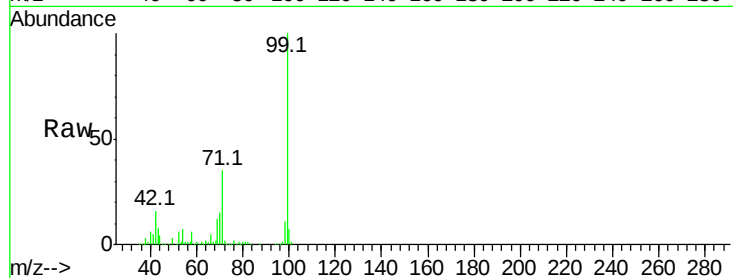
Tot Ion: 99 Resp: 713577

Ion Ratio Lower Upper

99 100

42 16.1 12.2 18.2

71 34.8 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Tgt Ion: 136 Resp: 365232

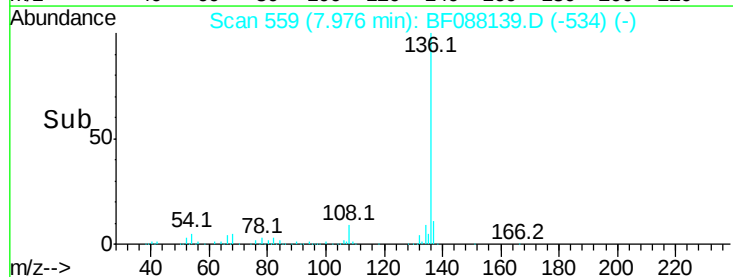
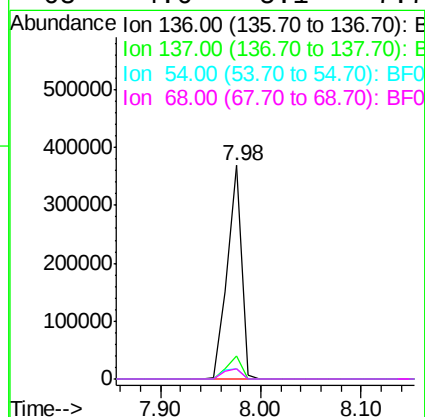
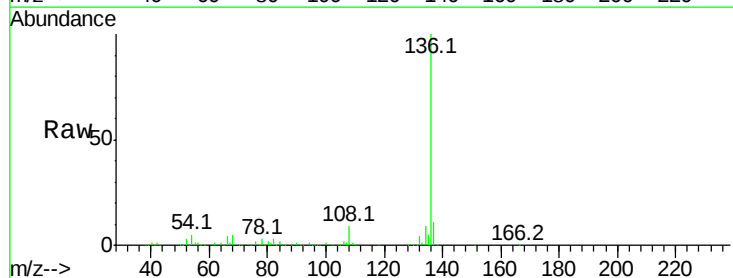
Ion Ratio Lower Upper

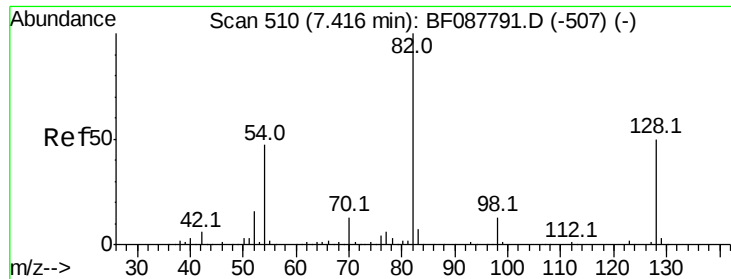
136 100

137 10.7 9.1 13.7

54 5.1 6.6 10.0#

68 4.6 5.1 7.7#

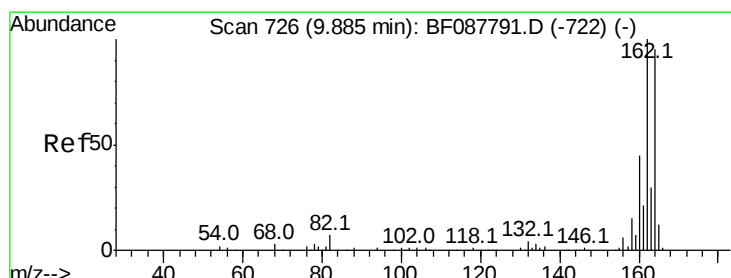
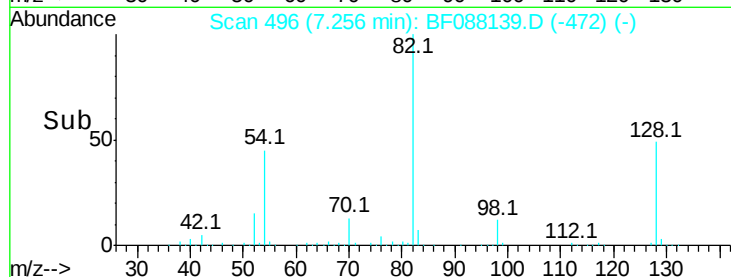
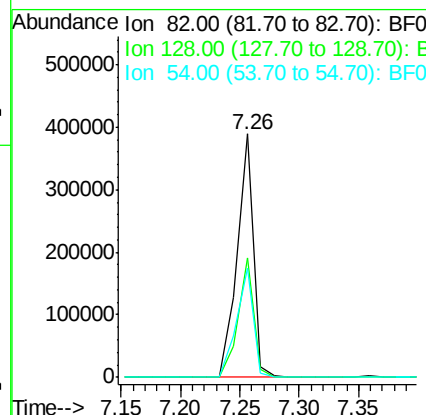
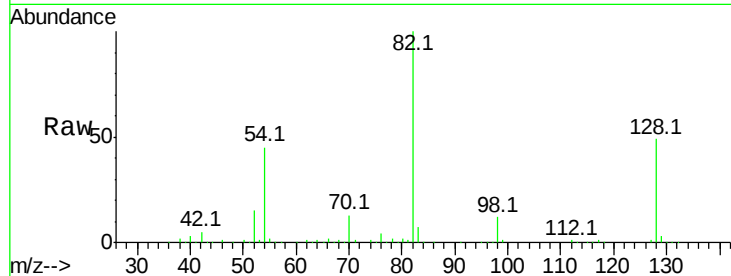




#23  
 Nitrobenzene-d5  
 Concen: 59.56 ng  
 RT: 7.26 min Scan# 496  
 Delta R.T. -0.02 min  
 Lab File: BF088139.D  
 Acq: 18 Jun 2016 17:39

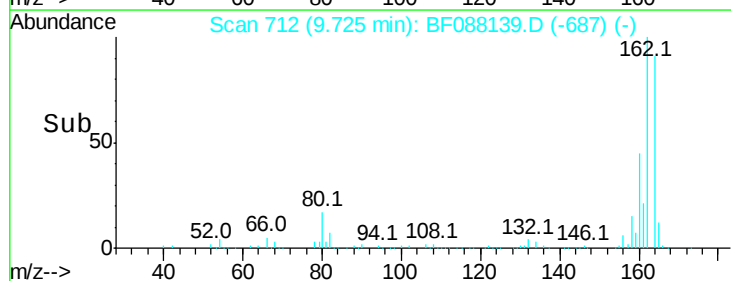
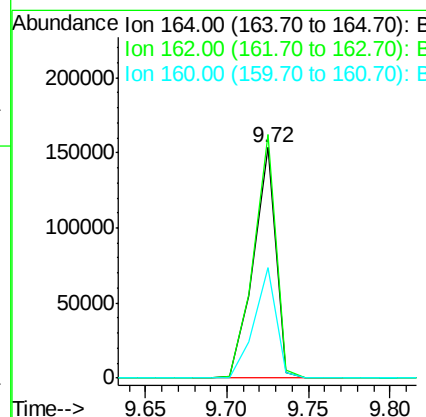
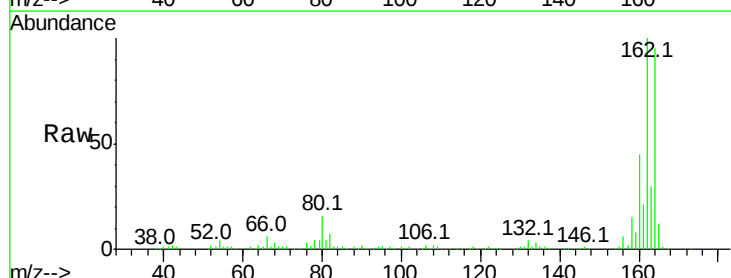
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB12-1-3

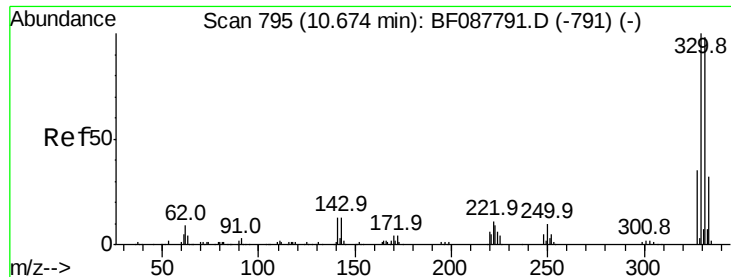
| Tot Ion   | 82    | Resp  | 372536 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.9  | 35.9  | 53.9   |
| 54        | 45.0  | 40.9  | 61.3   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.72 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: BF088139.D  
 Acq: 18 Jun 2016 17:39

| Tgt Ion   | 164   | Resp  | 146240 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.6 | 85.4  | 128.2  |
| 160       | 47.9  | 39.5  | 59.3   |

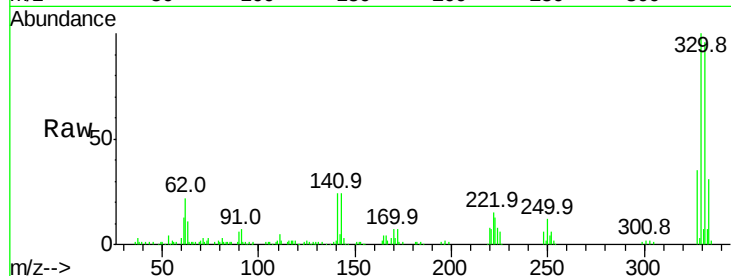




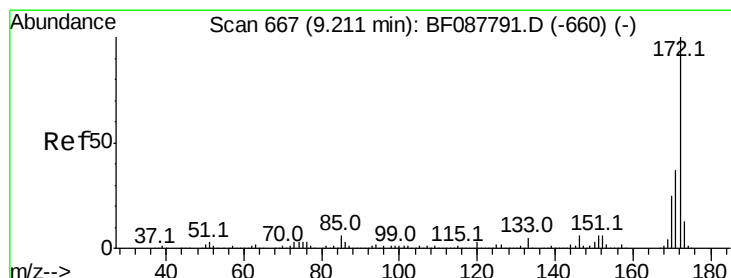
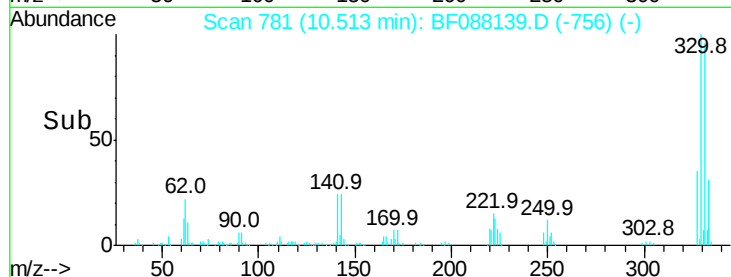
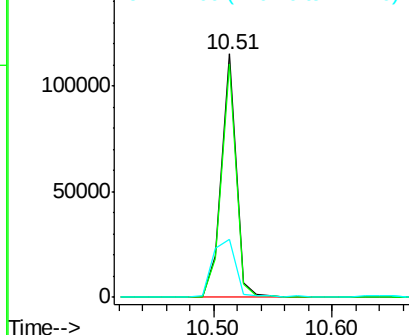
#41  
 2,4,6-Tribromophenol  
 Concen: 64.27 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.01 min  
 Lab File: BF088139.D  
 Acq: 18 Jun 2016 17:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB12-1-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 0.0   | 0.0#  |
| 141     | 39.0  | 0.0   | 0.0#  |

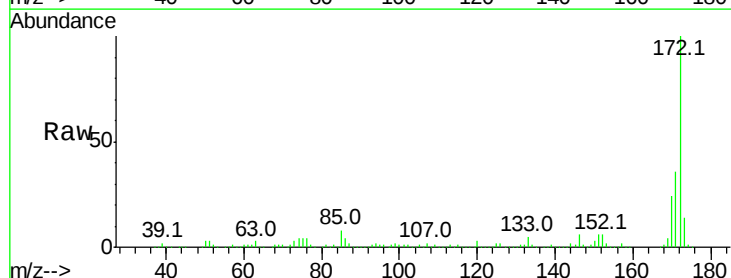


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

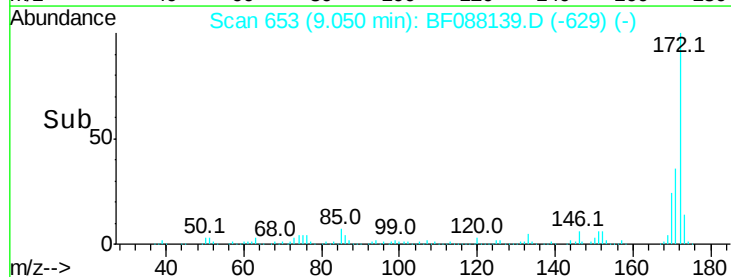
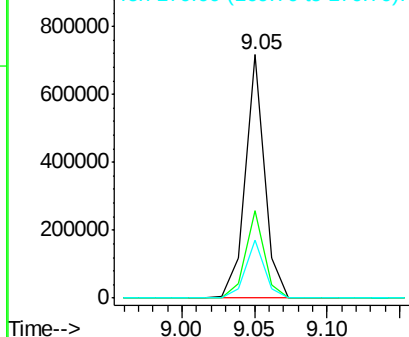


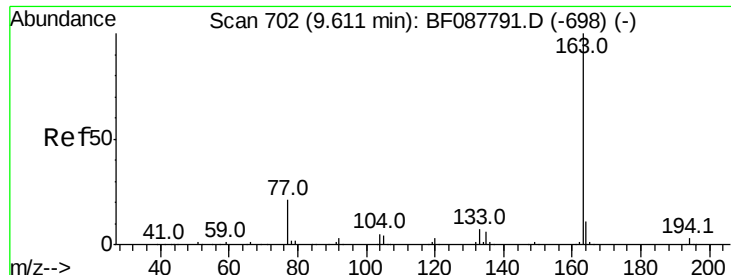
#44  
 2-Fluorobiphenyl  
 Concen: 69.94 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF088139.D  
 Acq: 18 Jun 2016 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.6  | 43.0  |
| 170     | 23.9  | 19.2  | 28.8  |



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: 28.83 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA\_F

ClientSampleId :

SB12-1-3

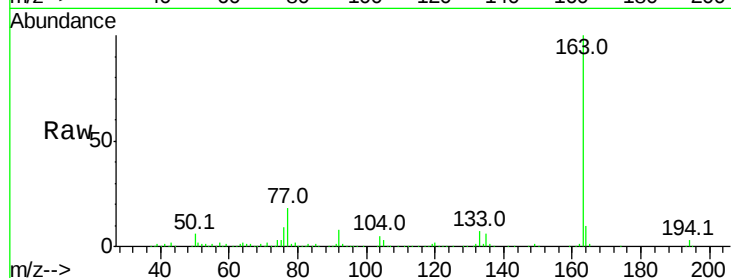
Tot Ion:163 Resp: 305416

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

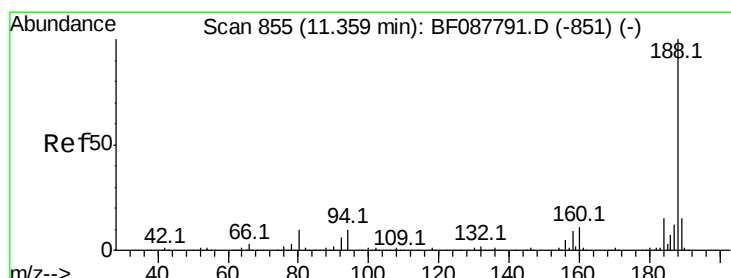
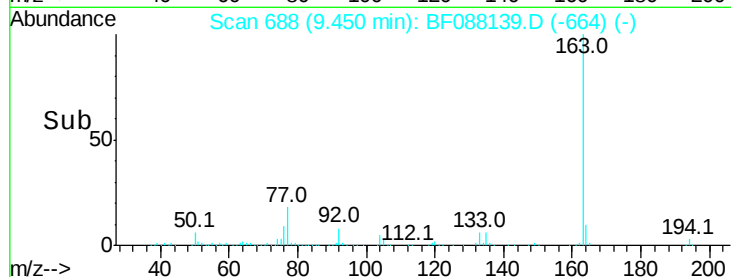
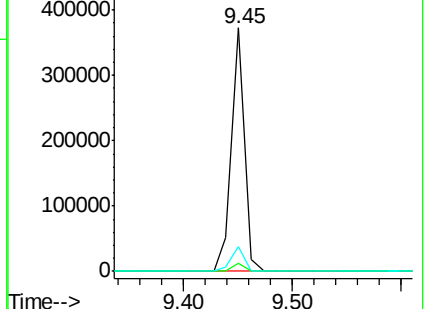
164 9.9 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

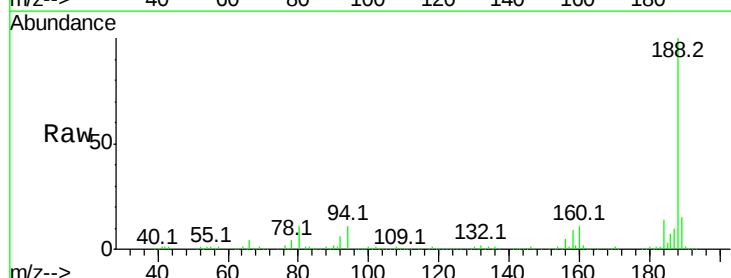
Tgt Ion:188 Resp: 228317

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

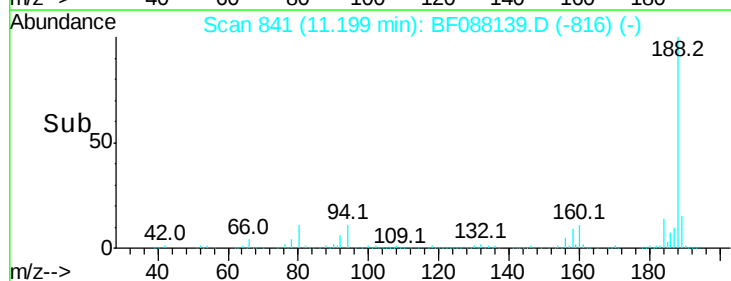
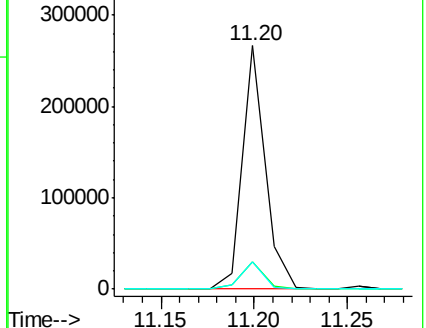
80 11.2 10.0 15.0

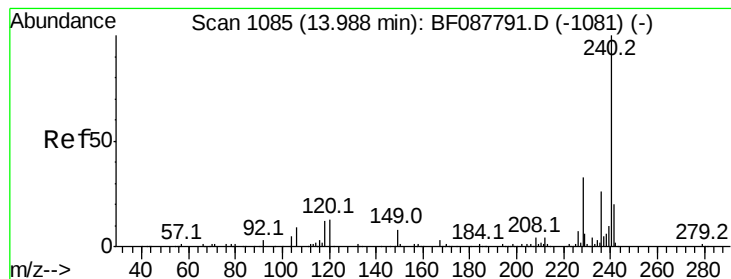


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA\_F

ClientSampled :

SB12-1-3

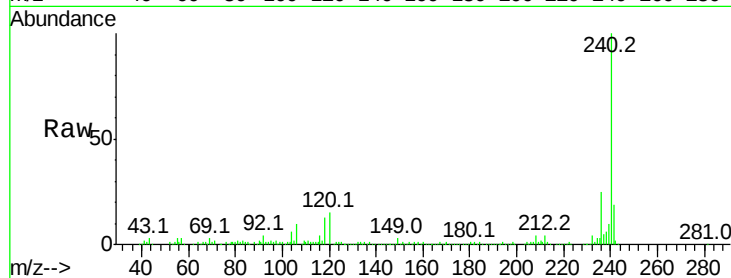
Tot Ion:240 Resp: 189260

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

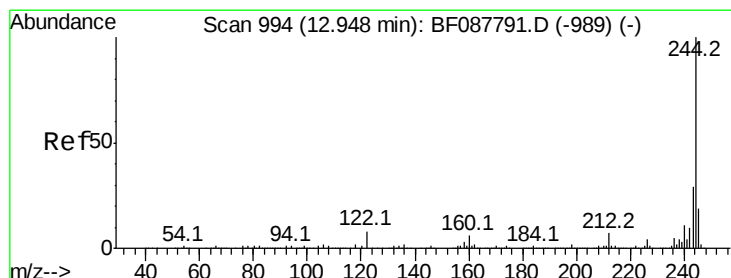
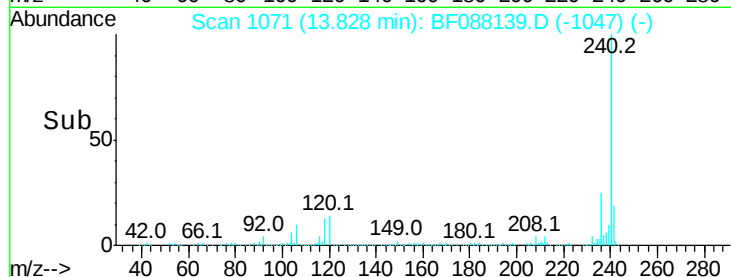
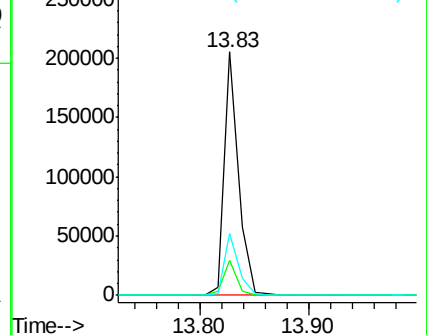
236 25.3 20.2 30.2



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: 66.35 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

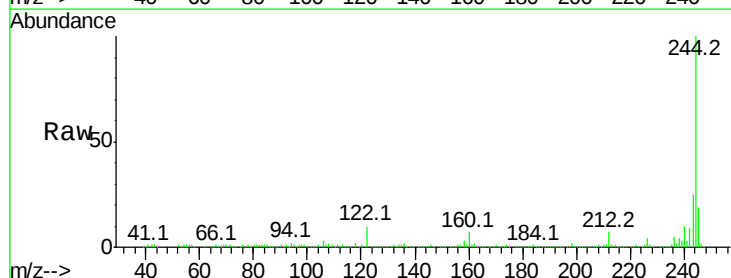
Tgt Ion:244 Resp: 551807

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

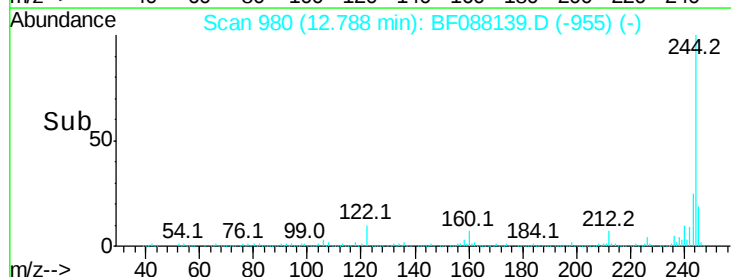
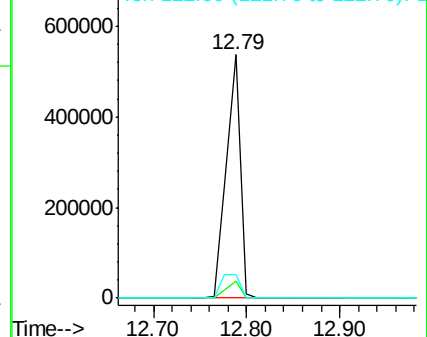
122 9.6 11.2 16.8#

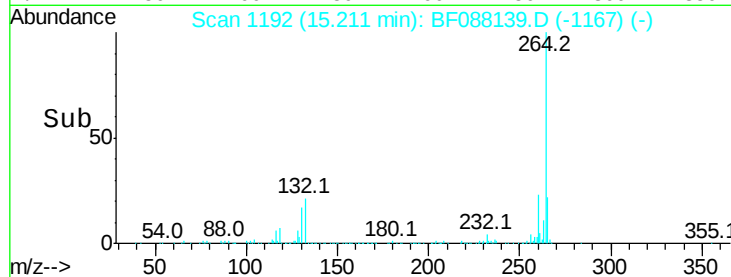
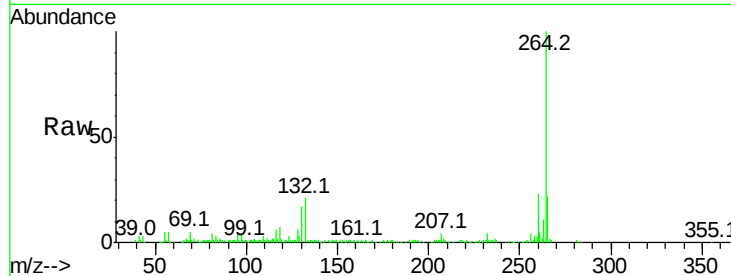
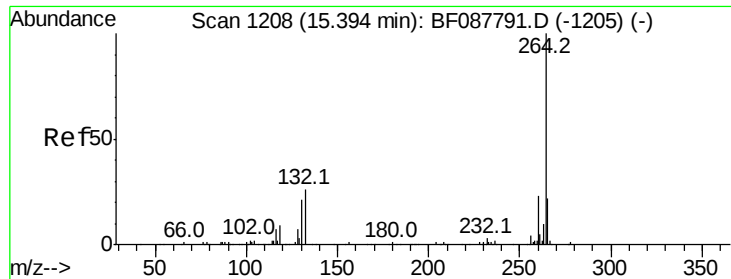


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.21 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF088139.D

Acq: 18 Jun 2016 17:39

Instrument :

BNA\_F

ClientSampleId :

SB12-1-3

Tot Ion:264 Resp: 150585

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.0 16.9 25.3

