

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\  
 Data File : BF088745.D  
 Acq On : 6 Jul 2016 20:31  
 Operator : UM/SJ  
 Sample : H3880-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-01

Quant Time: Jul 07 01:29:33 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 01:24:07 2016  
 Response via : Initial Calibration

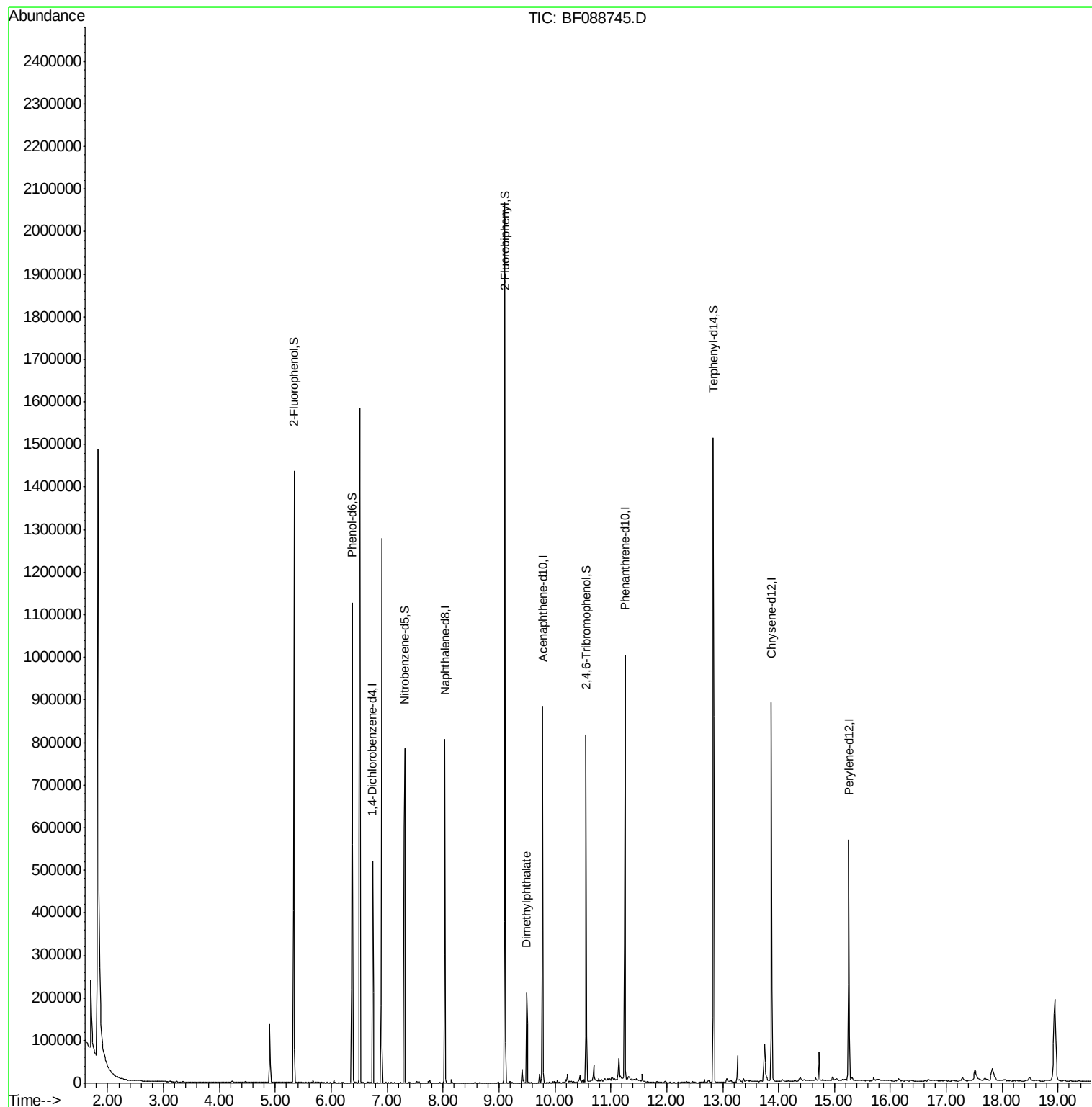
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 82931    | 20.00 | ng    | -0.01         |
| 21) Naphthalene-d8          | 8.03  | 136  | 382718   | 20.00 | ng    | 0.00          |
| 38) Acenaphthene-d10        | 9.78  | 164  | 185221   | 20.00 | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.26 | 188  | 358332   | 20.00 | ng    | 0.00          |
| 75) Chrysene-d12            | 13.87 | 240  | 282965   | 20.00 | ng    | -0.01         |
| 86) Perylene-d12            | 15.26 | 264  | 230779   | 20.00 | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.34  | 112  | 374750   | 67.72 | ng    | 0.00          |
| 7) Phenol-d6                | 6.38  | 99   | 496939   | 69.50 | ng    | -0.01         |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 353882   | 48.46 | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 78870    | 45.86 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 572912   | 48.86 | ng    | -0.01         |
| 78) Terphenyl-d14           | 12.83 | 244  | 562290   | 44.26 | ng    | -0.01         |
| Target Compounds            |       |      |          |       |       |               |
| 49) Dimethylphthalate       | 9.50  | 163  | 110927   | 8.41  | ng    | Qvalue<br>100 |

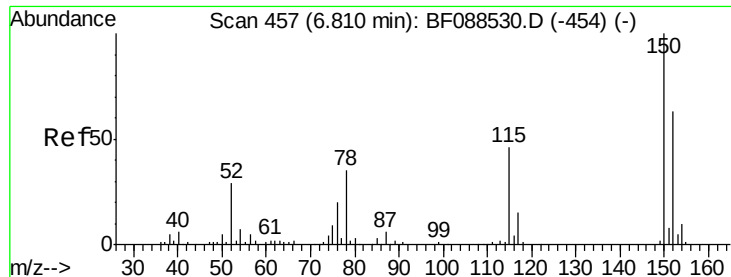
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

Instrument :

BNA\_F

ClientSampleId :

C2.1-01

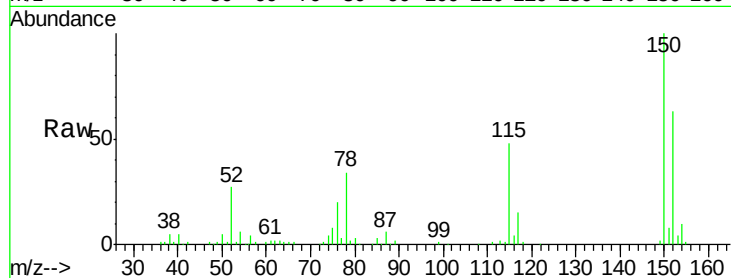
Tot Ion:152 Resp: 82931

Ion Ratio Lower Upper

152 100

150 159.1 123.8 185.6

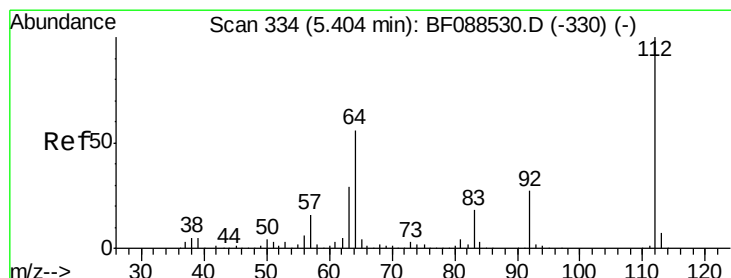
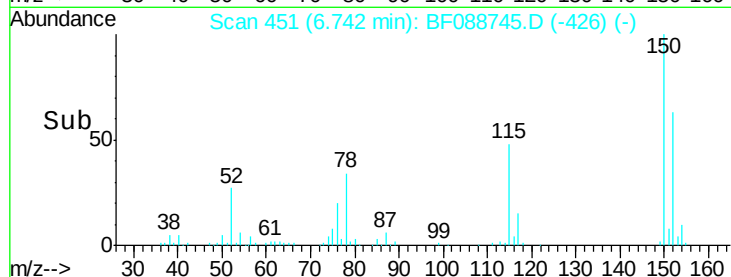
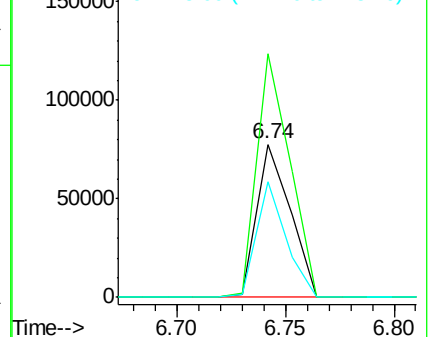
115 75.8 39.6 59.4#



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: 67.72 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.00 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

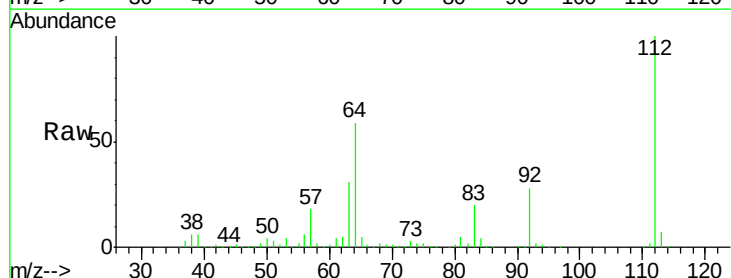
Tgt Ion:112 Resp: 374750

Ion Ratio Lower Upper

112 100

64 59.4 42.2 63.2

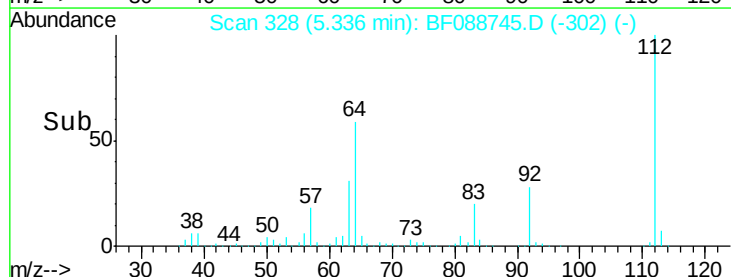
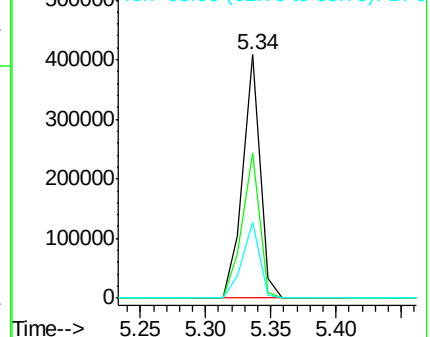
63 31.1 21.8 32.8

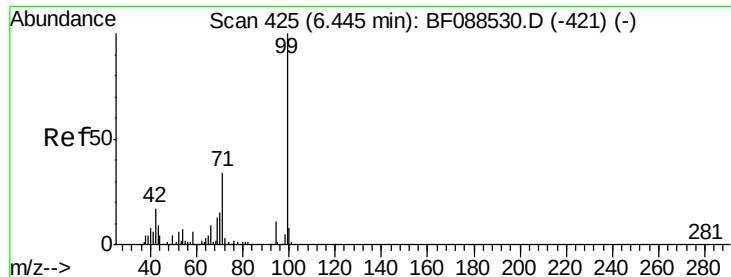


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 69.50 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

Instrument :

BNA\_F

ClientSampled :

C2.1-01

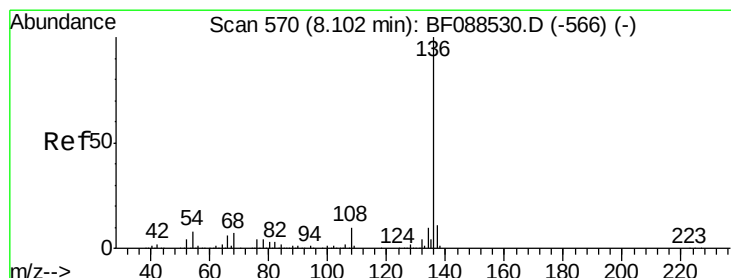
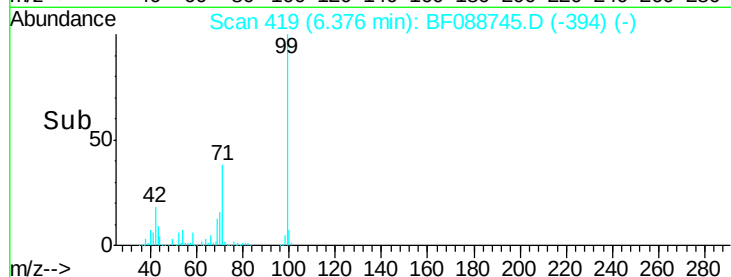
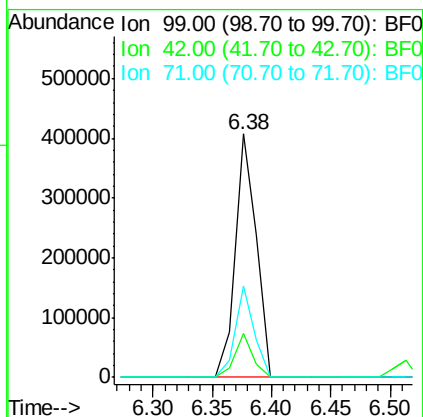
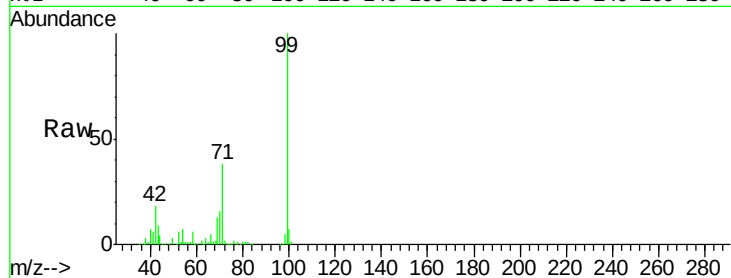
Tot Ion: 99 Resp: 496939

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

71 37.5 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

Tgt Ion: 136 Resp: 382718

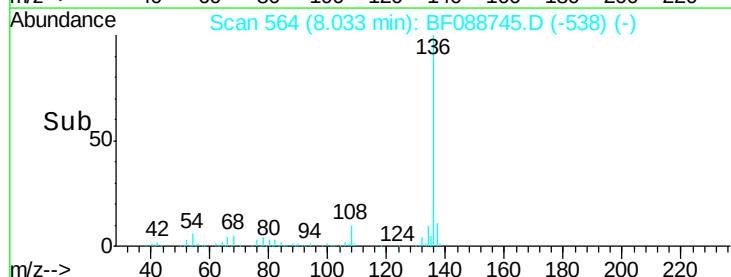
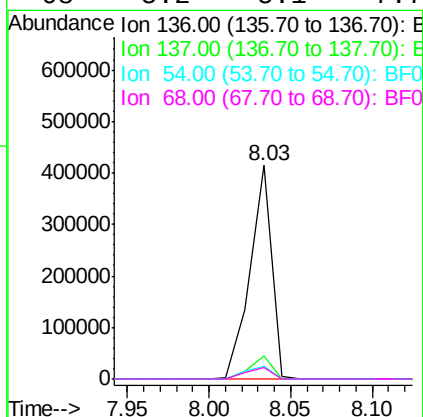
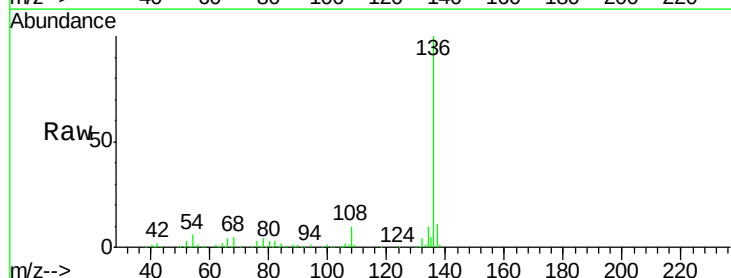
Ion Ratio Lower Upper

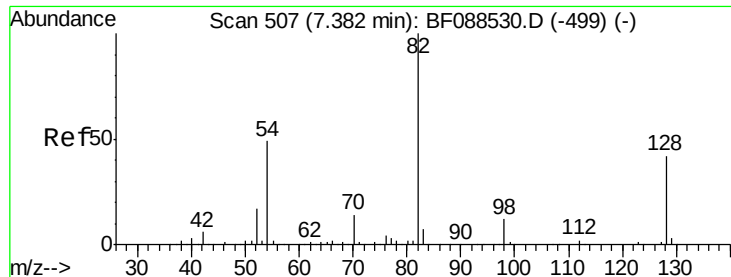
136 100

137 10.8 9.1 13.7

54 6.0 6.6 10.0#

68 5.2 5.1 7.7

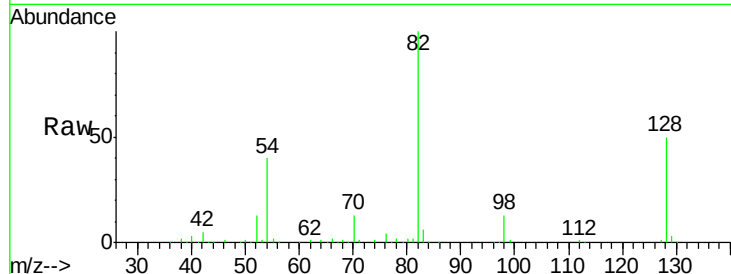




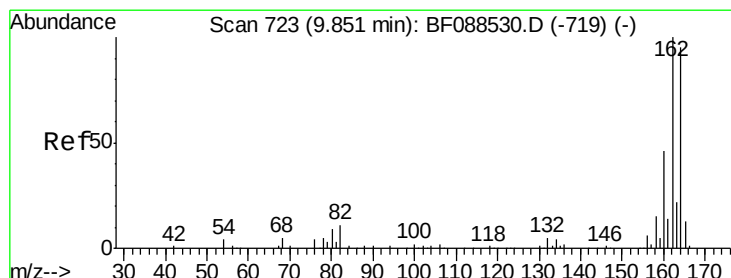
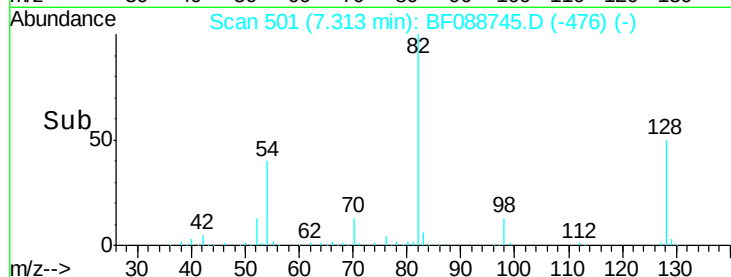
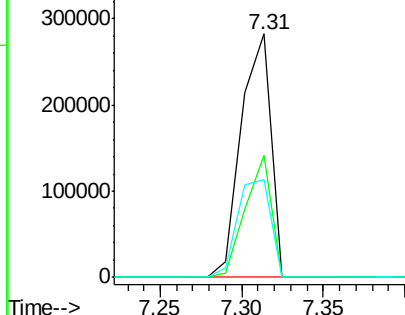
#23  
 Nitrobenzene-d5  
 Concen: 48.46 ng  
 RT: 7.31 min Scan# 501  
 Delta R.T. -0.01 min  
 Lab File: BF088745.D  
 Acq: 6 Jul 2016 20:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-01

Tot Ion: 82 Resp: 353882  
 Ion Ratio Lower Upper  
 82 100  
 128 50.2 35.9 53.9  
 54 40.2 40.9 61.3#

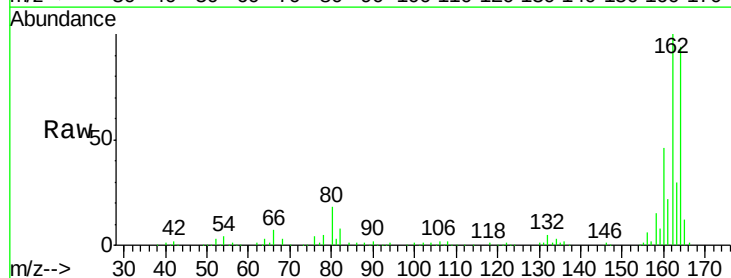


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

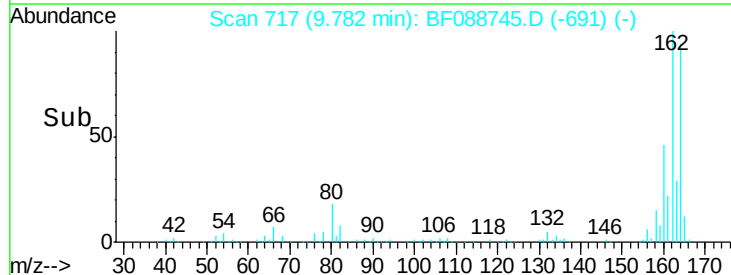
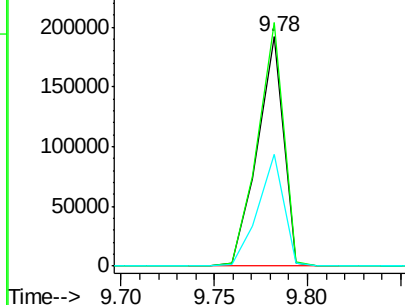


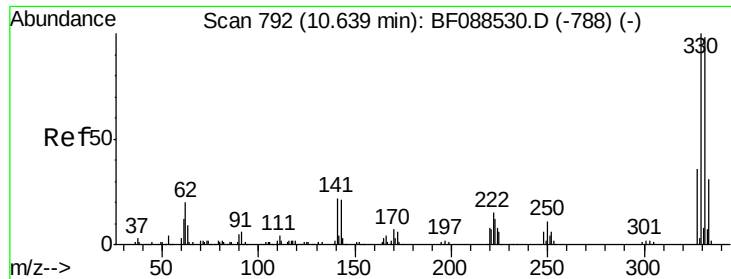
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 717  
 Delta R.T. -0.00 min  
 Lab File: BF088745.D  
 Acq: 6 Jul 2016 20:31

Tgt Ion: 164 Resp: 185221  
 Ion Ratio Lower Upper  
 164 100  
 162 106.2 85.4 128.2  
 160 48.5 39.5 59.3



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

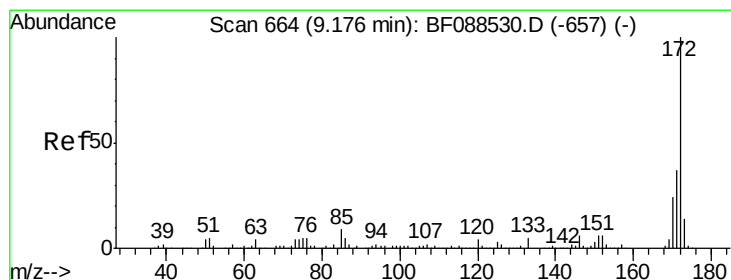
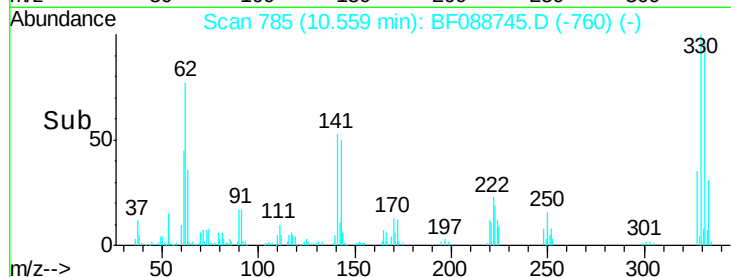
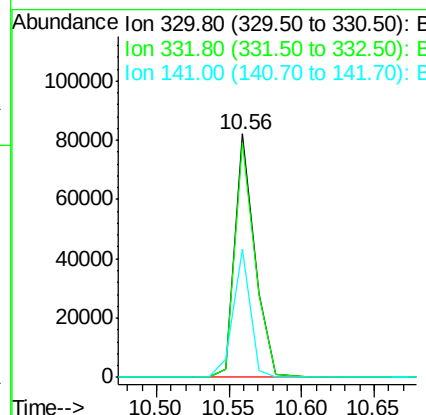
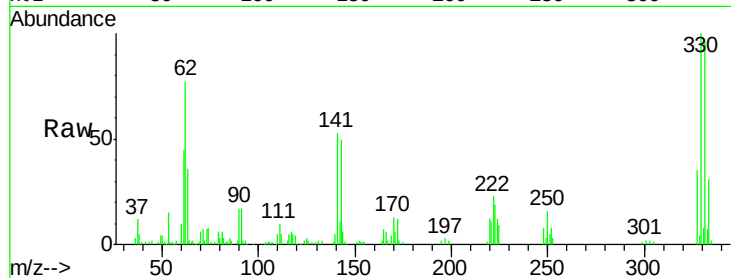




#41  
 2,4,6-Tribromophenol  
 Concen: 45.86 ng  
 RT: 10.56 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF088745.D  
 Acq: 6 Jul 2016 20:31

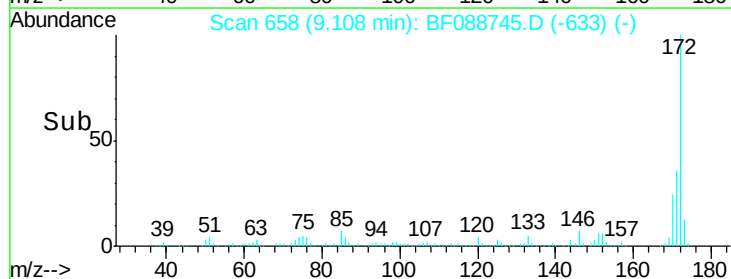
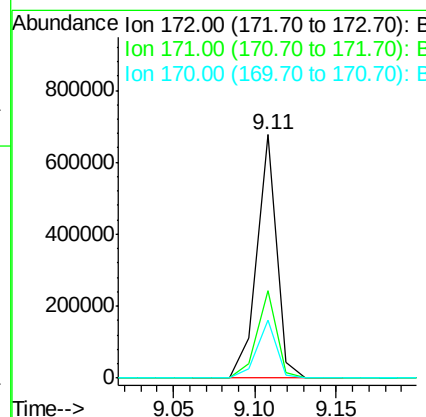
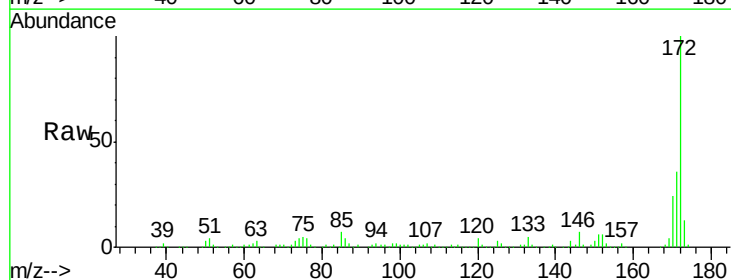
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-01

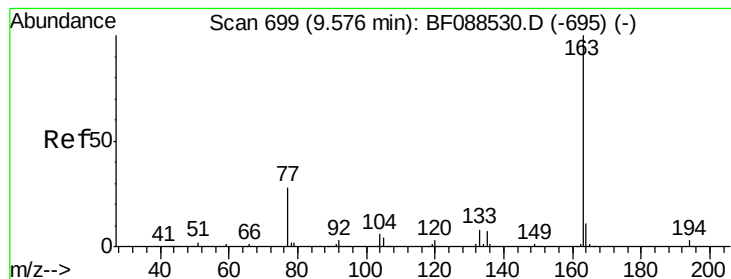
Tot Ion:330 Resp: 78870  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 0.0 0.0#  
 141 45.1 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 48.86 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. -0.01 min  
 Lab File: BF088745.D  
 Acq: 6 Jul 2016 20:31

Tgt Ion:172 Resp: 572912  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.6 43.0  
 170 23.9 19.2 28.8





#49

Dimethylphthalate

Concen: 8.41 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.02 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

Instrument :

BNA\_F

ClientSampleId :

C2.1-01

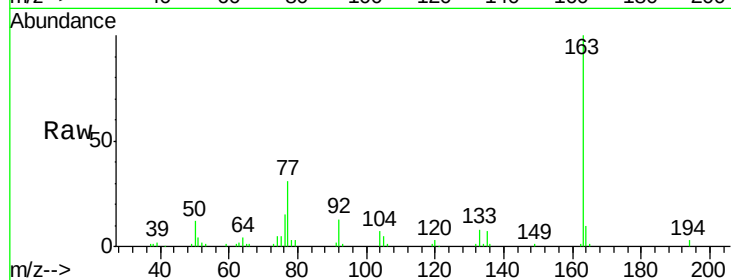
Tot Ion:163 Resp: 110927

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

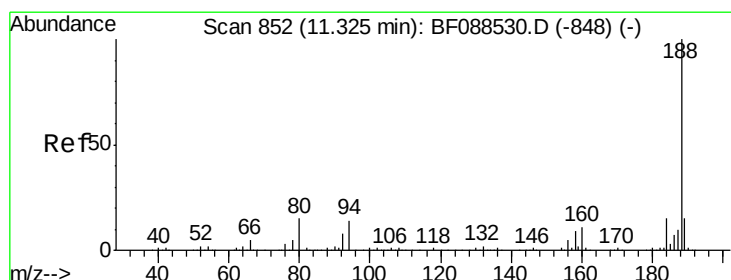
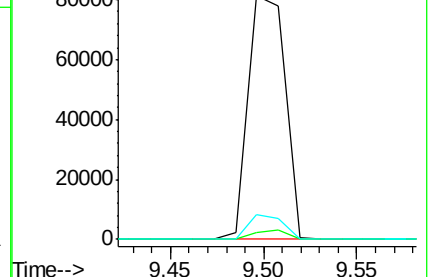
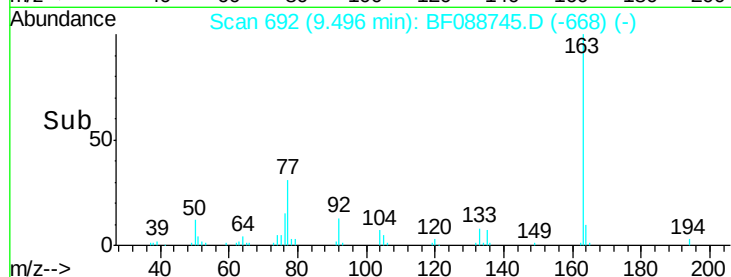
164 10.4 8.3 12.5



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: 11.26 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

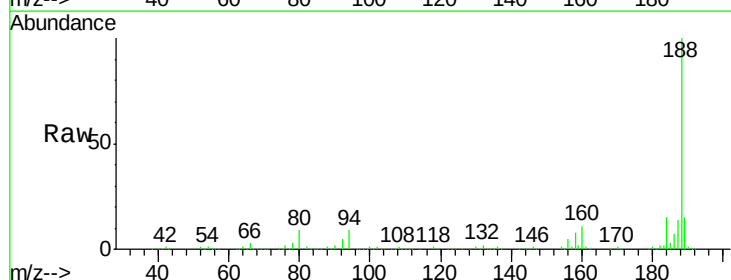
Tgt Ion:188 Resp: 358332

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.6#

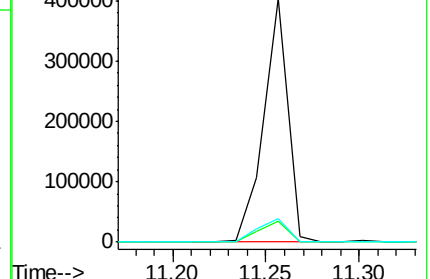
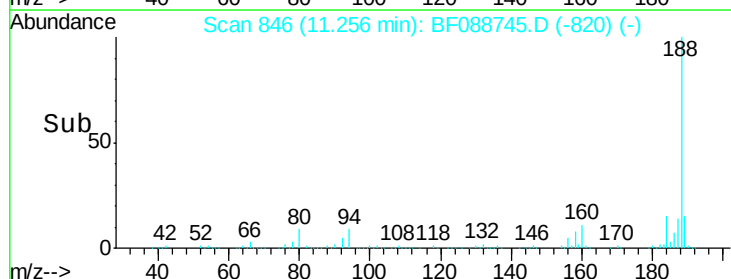
80 9.4 10.0 15.0#

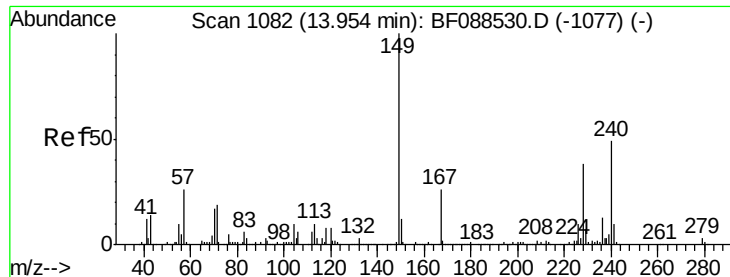


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.87 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

Instrument :

BNA\_F

ClientSampleId :

C2.1-01

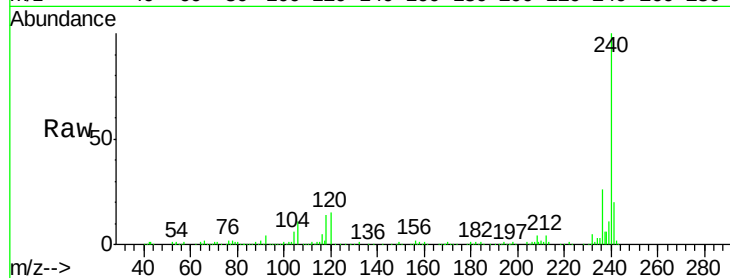
Tot Ion:240 Resp: 282965

Ion Ratio Lower Upper

240 100

120 14.8 6.8 10.2#

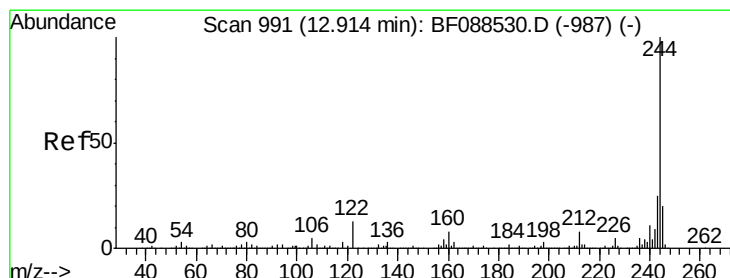
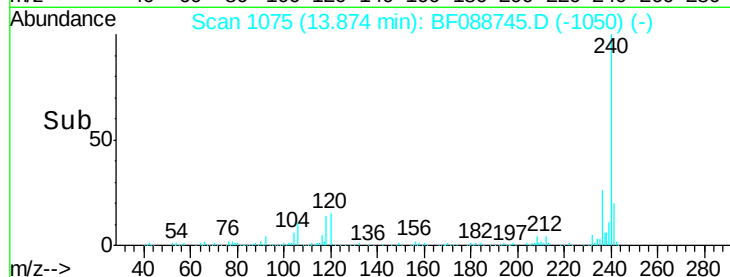
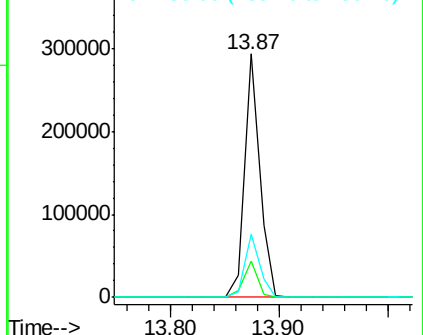
236 26.0 20.2 30.2



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: 44.26 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF088745.D

Acq: 6 Jul 2016 20:31

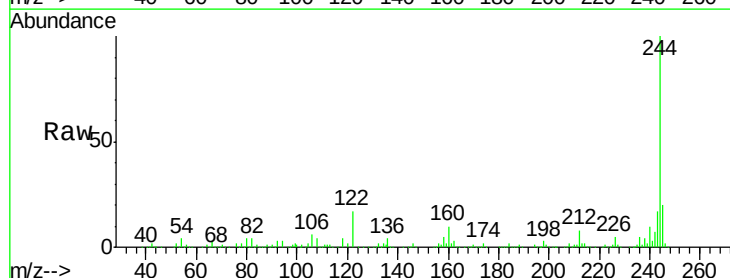
Tgt Ion:244 Resp: 562290

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

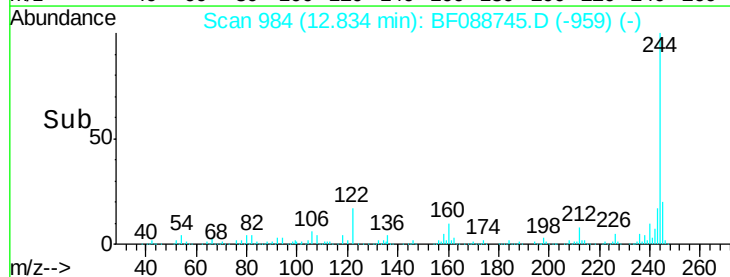
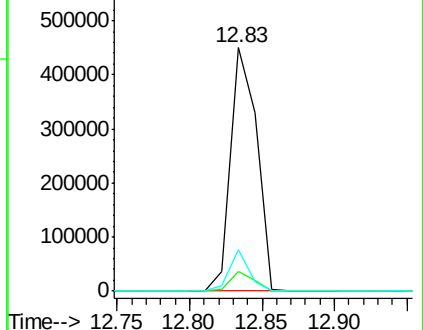
122 17.1 11.2 16.8#



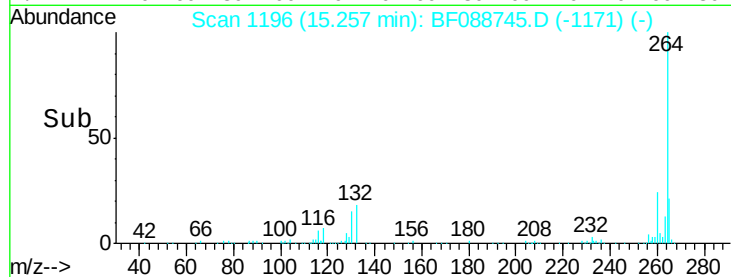
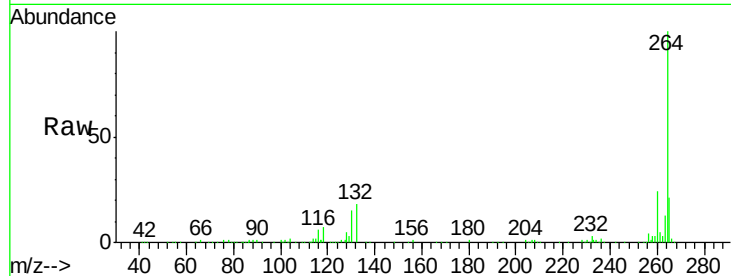
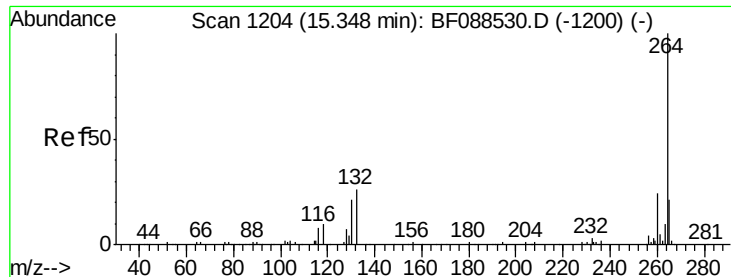
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.26 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF088745.D  
 Acq: 6 Jul 2016 20:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C2.1-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 230779 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.1  | 19.2  | 28.8   |
| 265      | 21.3  | 16.9  | 25.3   |

