

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\  
 Data File : BF088257.D  
 Acq On : 22 Jun 2016 18:50  
 Operator : UM/SJ  
 Sample : H3660-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-1

Quant Time: Jun 23 03:27:53 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 14:55:14 2016  
 Response via : Initial Calibration

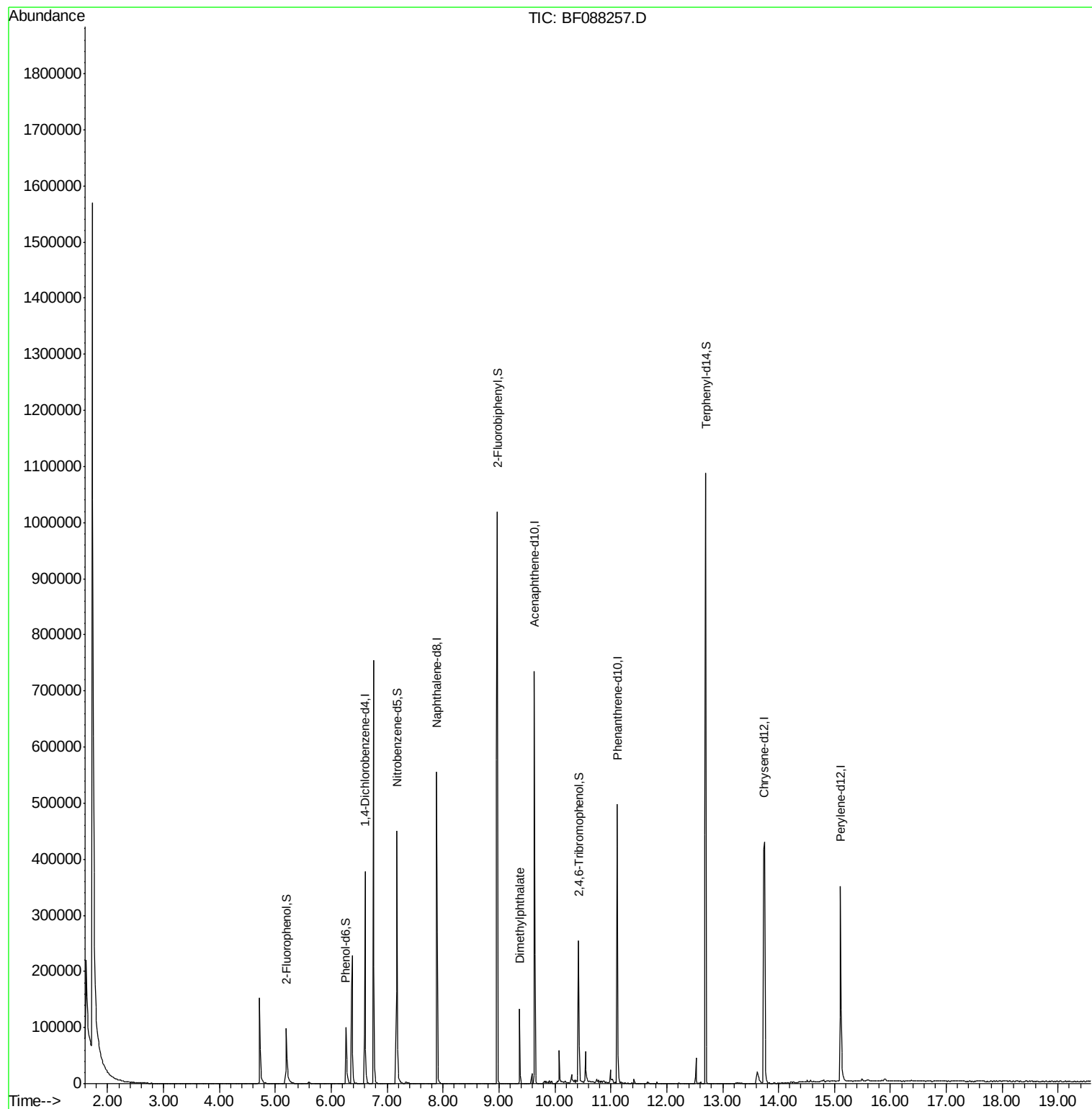
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.60  | 152  | 70110    | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.88  | 136  | 315053   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.63  | 164  | 149534   | 20.00 | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.12 | 188  | 269780   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 13.75 | 240  | 238219   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 15.11 | 264  | 172588   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.20  | 112  | 56907    | 13.88 | ng    | 0.02         |
| 7) Phenol-d6                | 6.26  | 99   | 54735    | 11.01 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.18  | 82   | 181669   | 33.67 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 31439    | 19.91 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 8.97  | 172  | 409054   | 40.04 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.70 | 244  | 371952   | 35.53 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.37  | 163  | 56406    | 5.21  | ng    | Qvalue<br>99 |

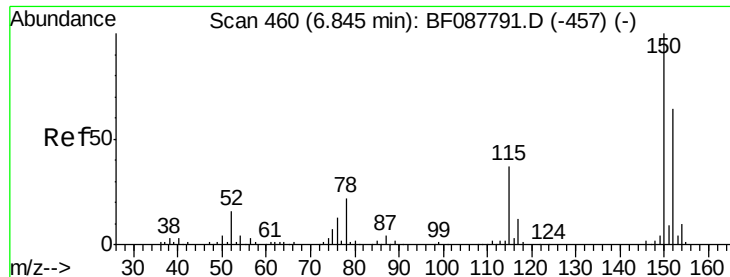
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
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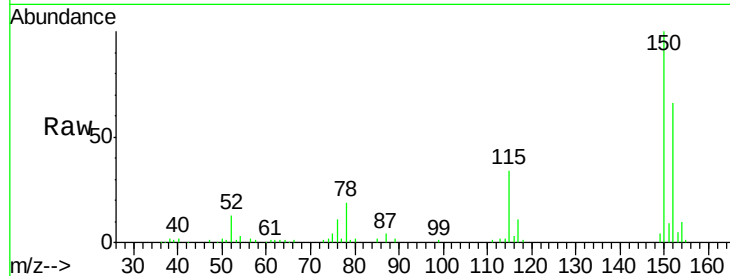


#1

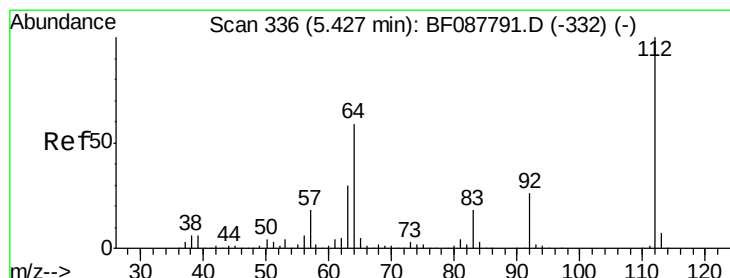
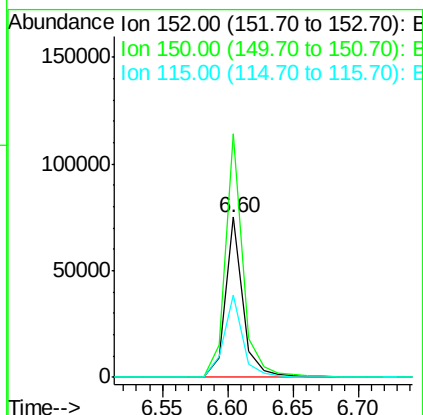
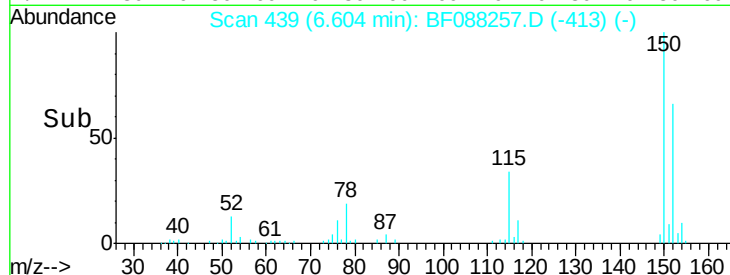
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.60 min Scan# 439  
Delta R.T. 0.00 min  
Lab File: BF088257.D  
Acq: 22 Jun 2016 18:50

Instrument :  
BNA\_F  
ClientSampled :  
GW-1

Tot Ion:152 Resp: 70110  
Ion Ratio Lower Upper  
152 100  
150 152.1 123.8 185.6  
115 51.7 39.6 59.4



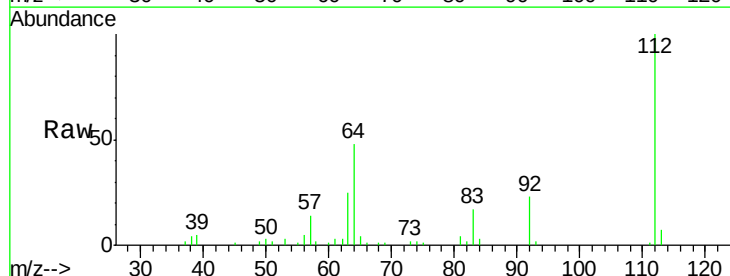
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



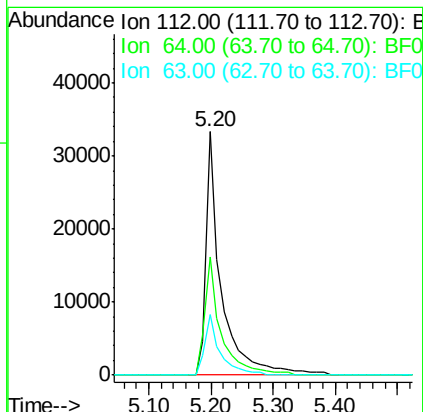
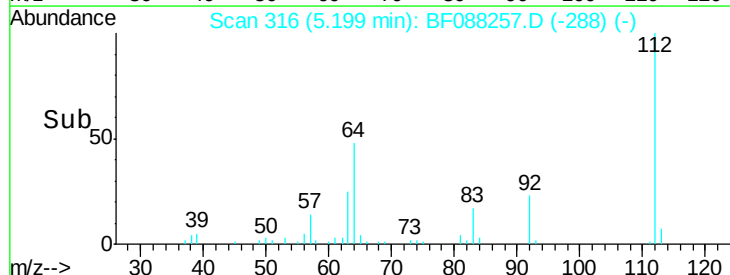
#5

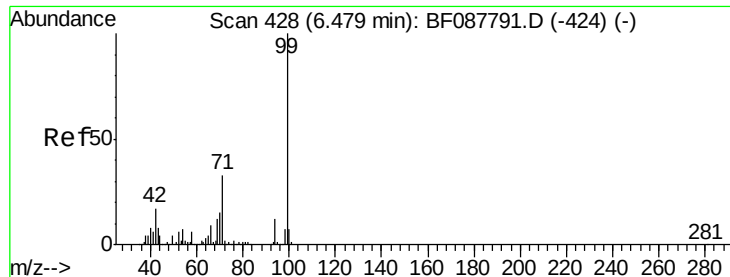
2-Fluorophenol  
Concen: 13.88 ng  
RT: 5.20 min Scan# 316  
Delta R.T. 0.02 min  
Lab File: BF088257.D  
Acq: 22 Jun 2016 18:50

Tgt Ion:112 Resp: 56907  
Ion Ratio Lower Upper  
112 100  
64 48.3 42.2 63.2  
63 24.9 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: 11.01 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

Instrument :

BNA\_F

ClientSampled :

GW-1

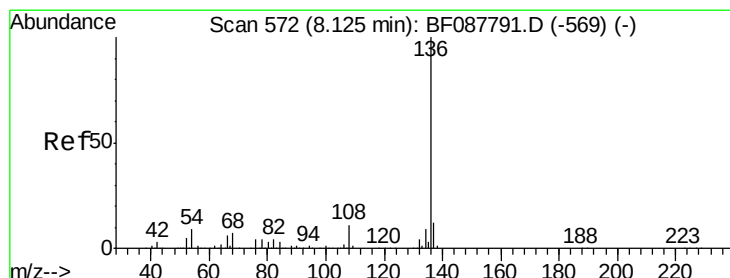
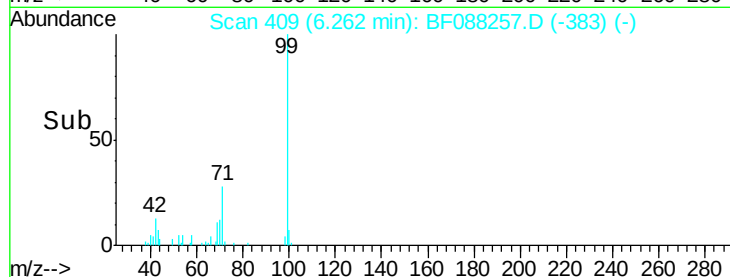
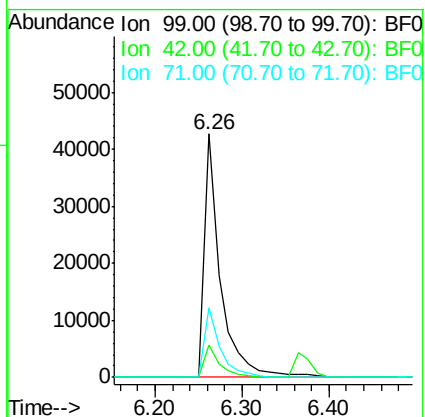
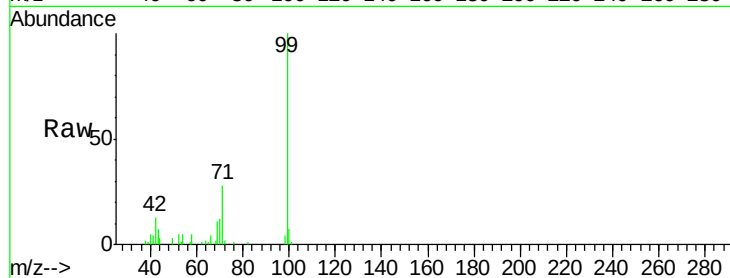
Tot Ion: 99 Resp: 54735

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

71 28.4 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

Tgt Ion: 136 Resp: 315053

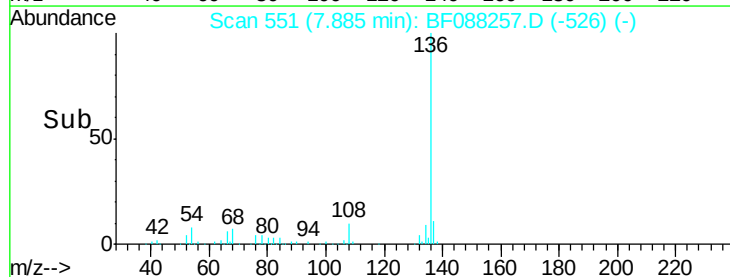
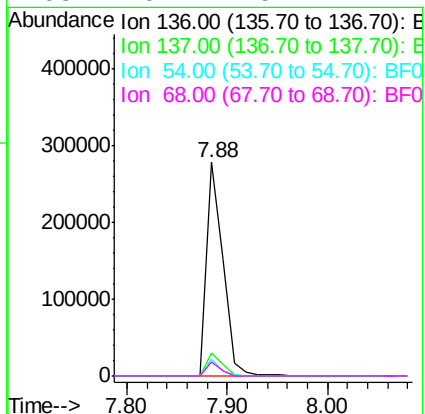
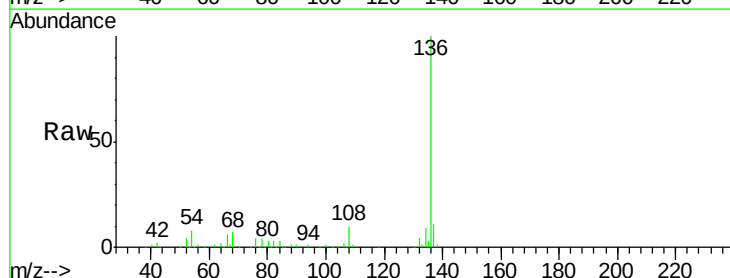
Ion Ratio Lower Upper

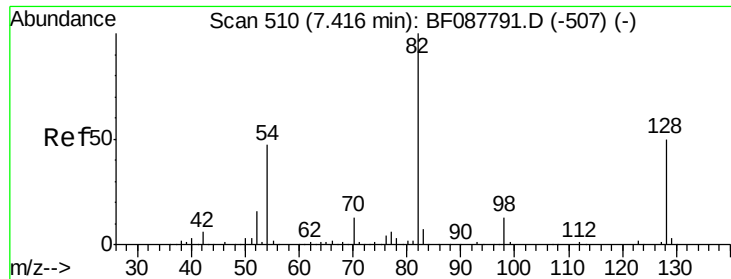
136 100

137 11.1 9.1 13.7

54 8.0 6.6 10.0

68 6.7 5.1 7.7

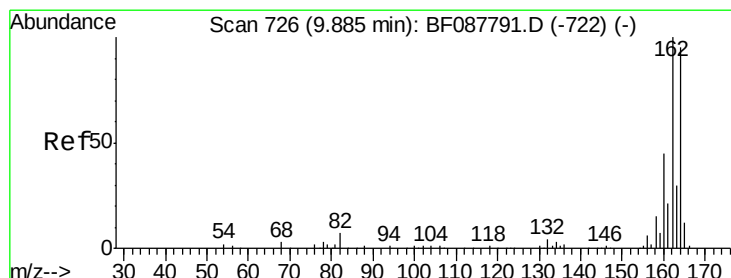
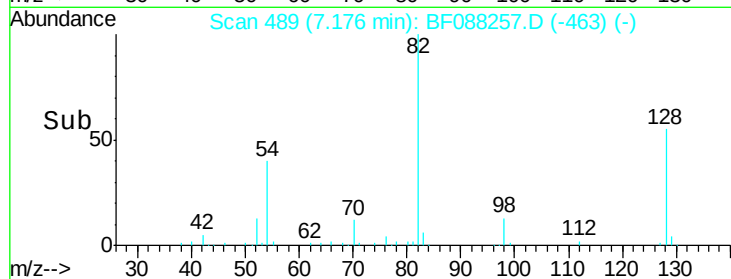
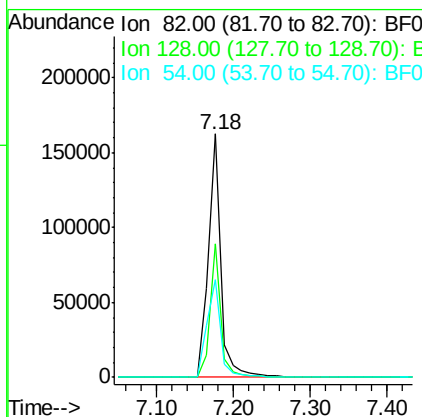
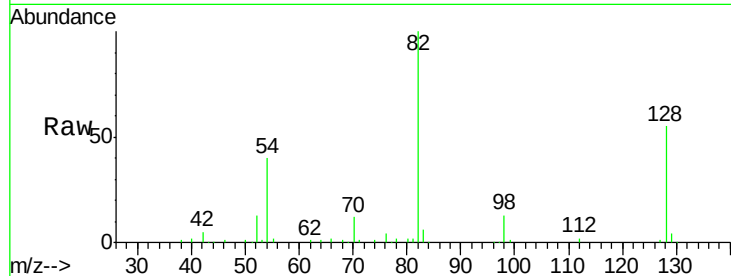




#23  
 Nitrobenzene-d5  
 Concen: 33.67 ng  
 RT: 7.18 min Scan# 489  
 Delta R.T. 0.00 min  
 Lab File: BF088257.D  
 Acq: 22 Jun 2016 18:50

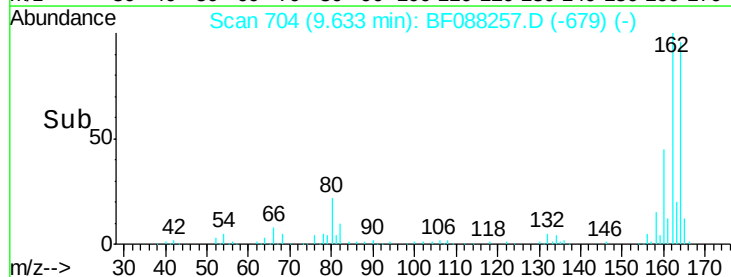
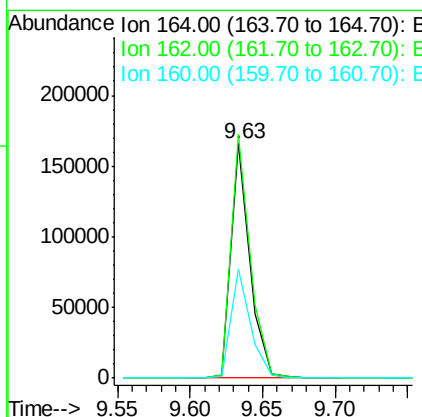
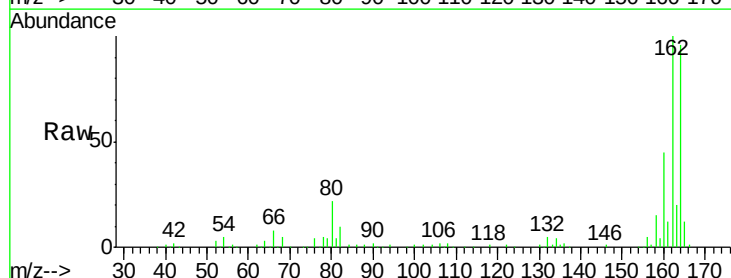
Instrument :  
 BNA\_F  
 ClientSampled :  
 GW-1

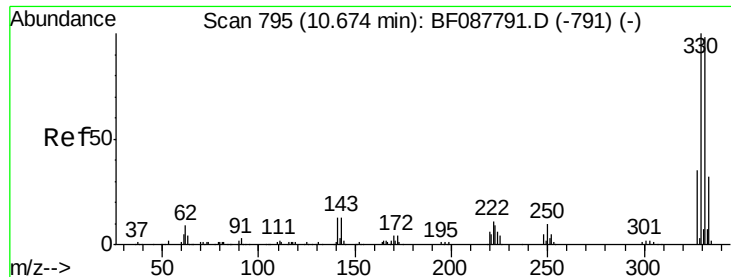
Tot Ion: 82 Resp: 181669  
 Ion Ratio Lower Upper  
 82 100  
 128 54.9 35.9 53.9#  
 54 40.3 40.9 61.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.63 min Scan# 704  
 Delta R.T. -0.01 min  
 Lab File: BF088257.D  
 Acq: 22 Jun 2016 18:50

Tgt Ion:164 Resp: 149534  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 85.4 128.2  
 160 46.4 39.5 59.3

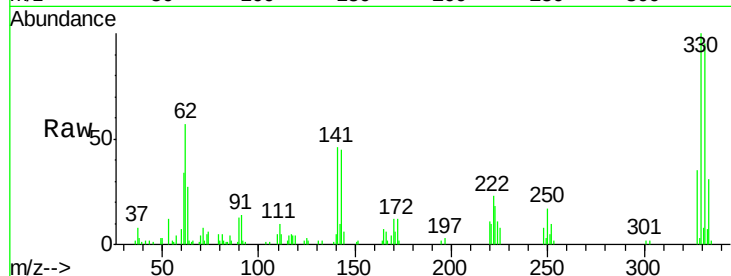




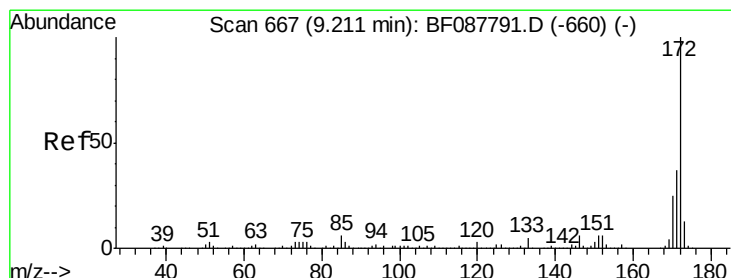
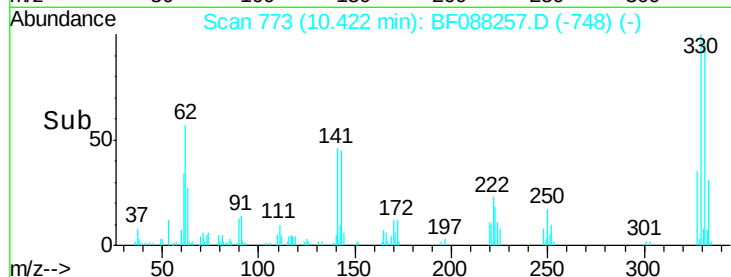
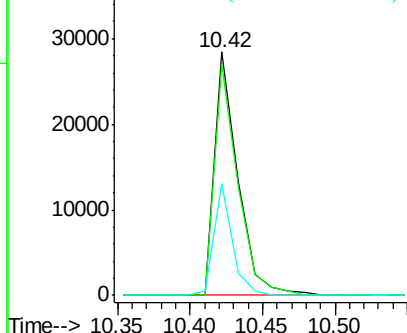
#41  
 2,4,6-Tribromophenol  
 Concen: 19.91 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: BF088257.D  
 Acq: 22 Jun 2016 18:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-1

Tot Ion:330 Resp: 31439  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 0.0 0.0#  
 141 36.6 0.0 0.0#

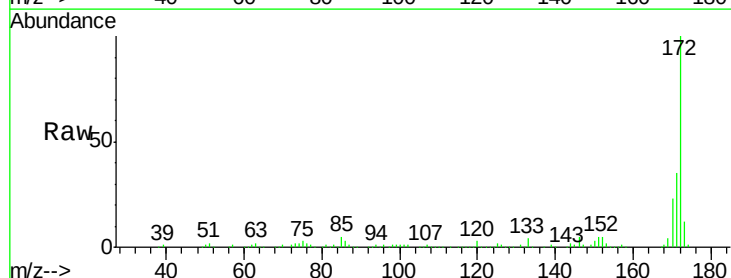


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

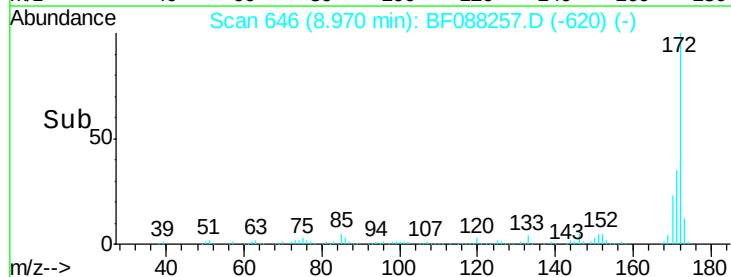
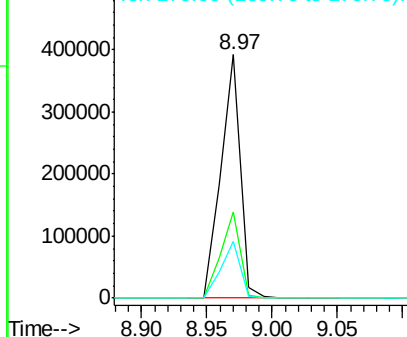


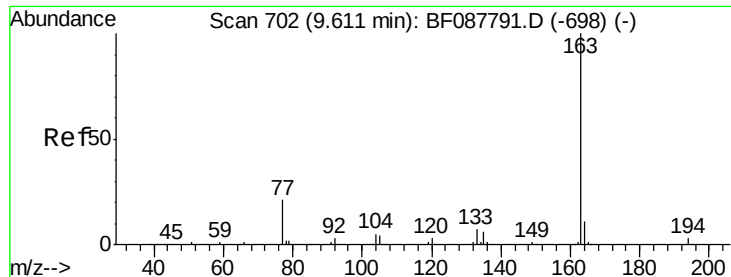
#44  
 2-Fluorobiphenyl  
 Concen: 40.04 ng  
 RT: 8.97 min Scan# 646  
 Delta R.T. 0.00 min  
 Lab File: BF088257.D  
 Acq: 22 Jun 2016 18:50

Tgt Ion:172 Resp: 409054  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 43.0  
 170 23.3 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: 5.21 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

Instrument :

BNA\_F

ClientSampleId :

GW-1

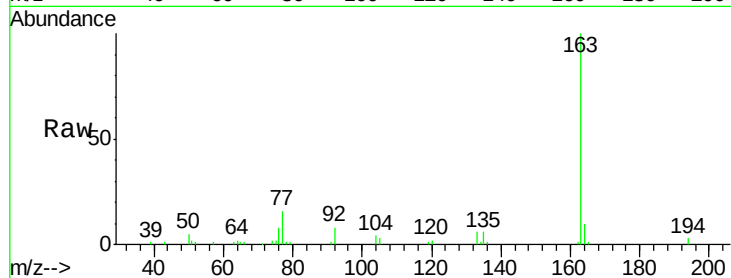
Tot Ion:163 Resp: 56406

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

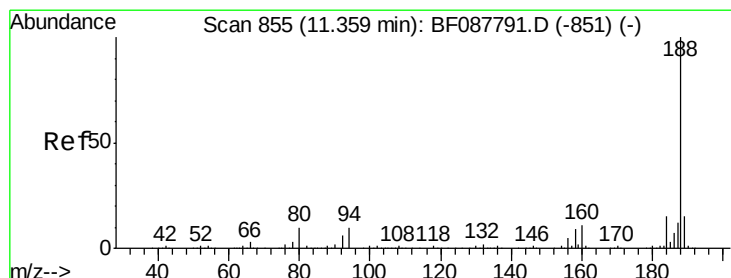
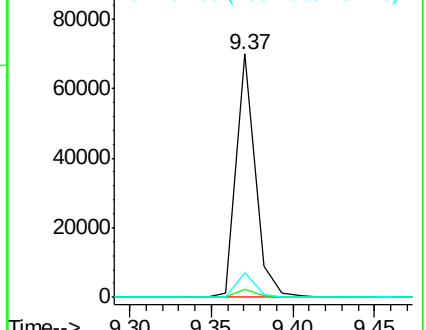
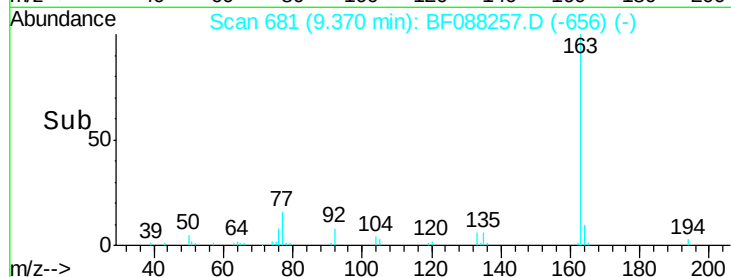
164 10.2 8.3 12.5



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: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

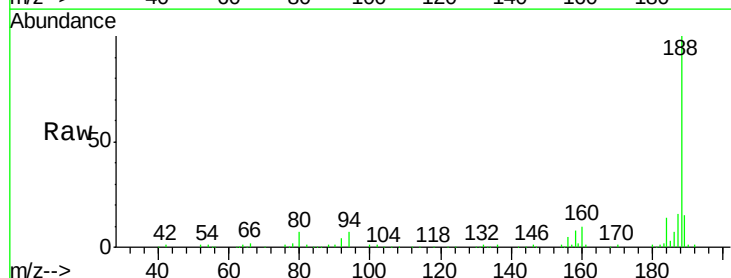
Tgt Ion:188 Resp: 269780

Ion Ratio Lower Upper

188 100

94 7.3 9.0 13.6#

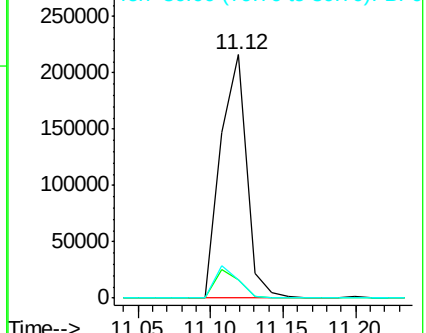
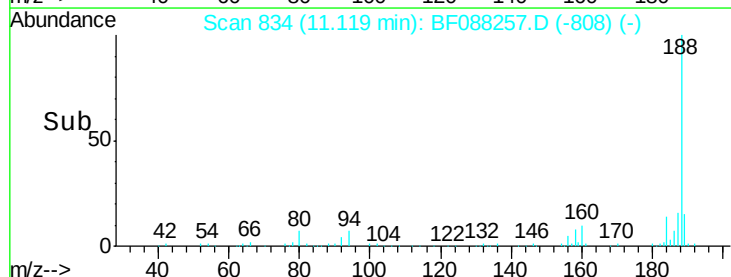
80 7.4 10.0 15.0#

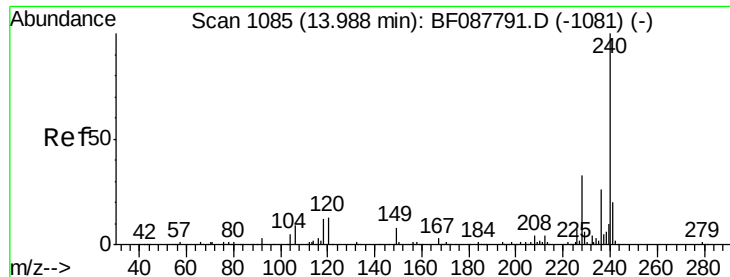


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

Instrument :

BNA\_F

ClientSampleId :

GW-1

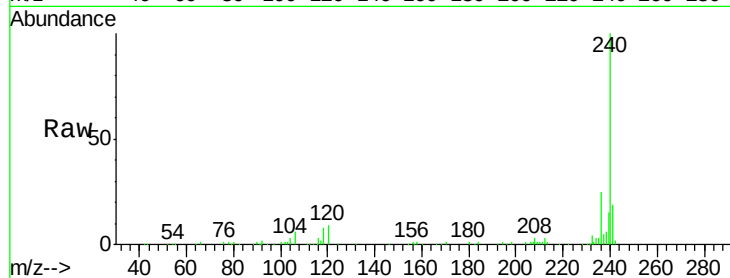
Tot Ion:240 Resp: 238219

Ion Ratio Lower Upper

240 100

120 9.2 6.8 10.2

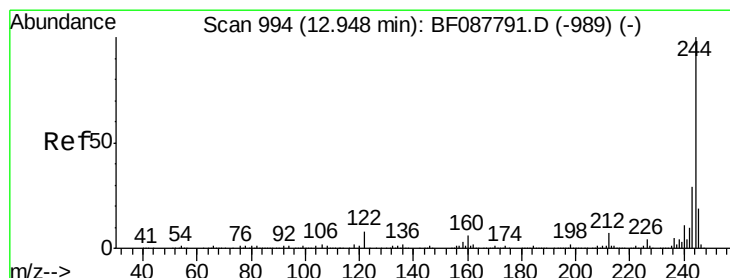
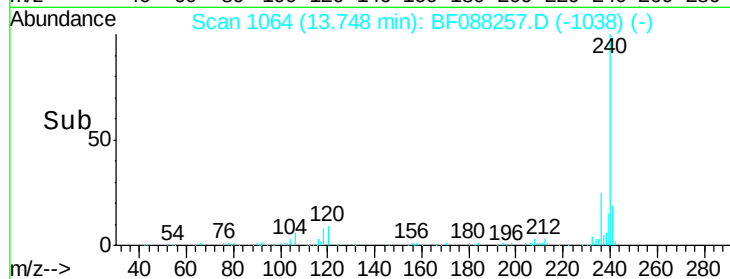
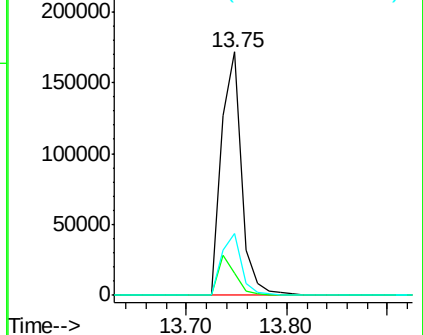
236 25.3 20.2 30.2



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: 35.53 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088257.D

Acq: 22 Jun 2016 18:50

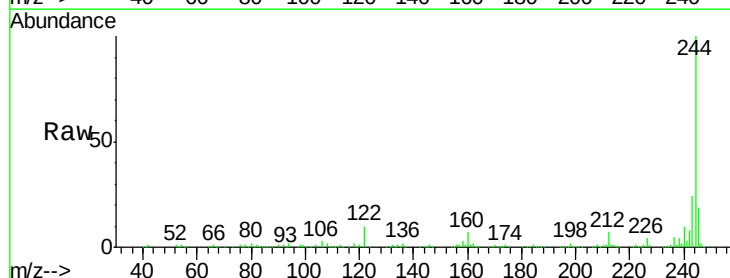
Tgt Ion:244 Resp: 371952

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

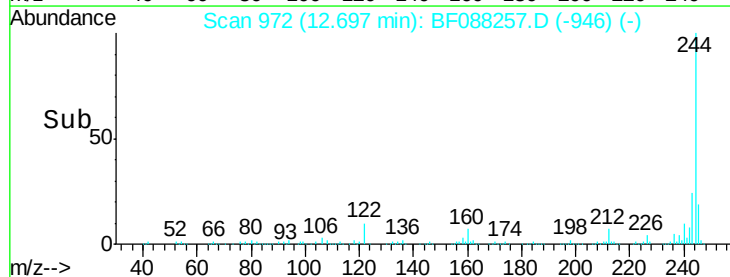
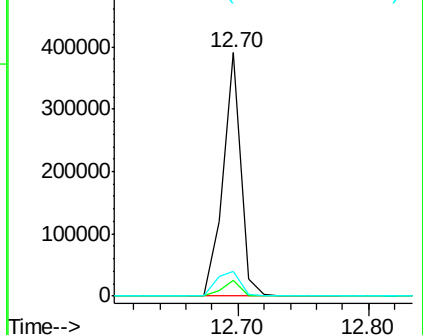
122 10.3 11.2 16.8



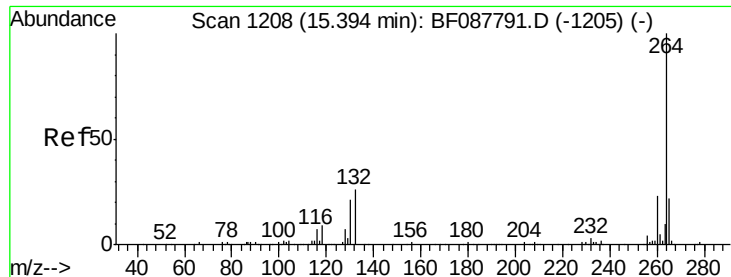
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



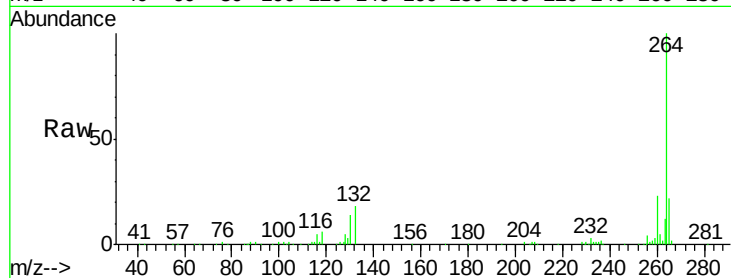




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.11 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BF088257.D  
 Acq: 22 Jun 2016 18:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-1

Tot Ion: 264 Resp: 172588  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.2 28.8  
 265 21.7 16.9 25.3



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

