

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\  
 Data File : BF081738.D  
 Acq On : 22 Sep 2015 7:28  
 Operator : UM/IZ  
 Sample : G3748-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP-202-38-40

Quant Time: Sep 22 08:10:04 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 04:14:20 2015  
 Response via : Initial Calibration

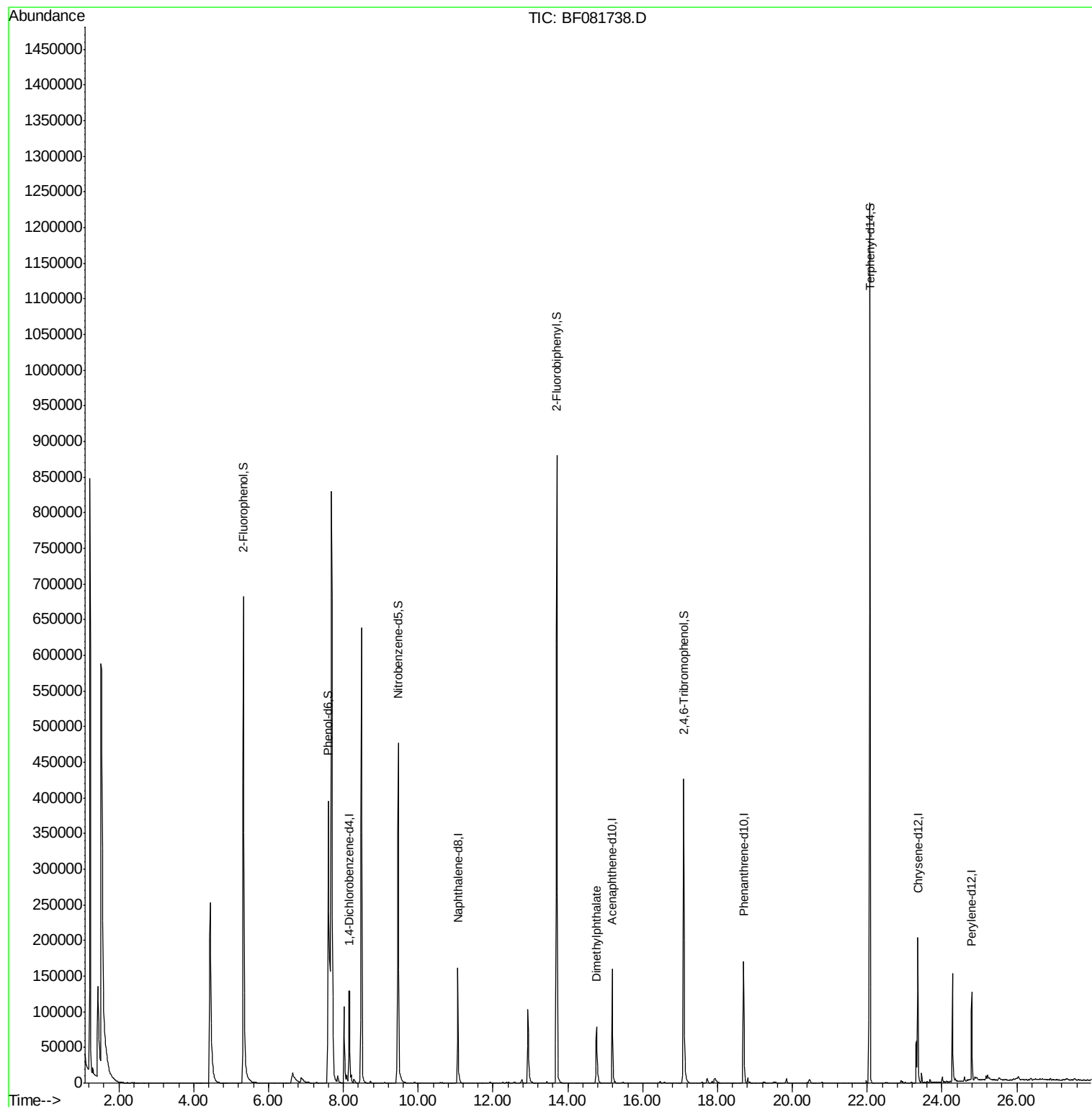
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 35634    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.05 | 136  | 138179   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 15.19 | 164  | 66070    | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 18.70 | 188  | 136569   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 23.35 | 240  | 101890   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 24.79 | 264  | 75969    | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.33  | 112  | 315995   | 137.59 | ng    | 0.02           |
| 7) Phenol-d6                | 7.60  | 99   | 442127   | 145.43 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 287285   | 100.31 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 17.10 | 330  | 87477    | 148.70 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 13.71 | 172  | 498289   | 96.65  | ng    | -0.01          |
| 78) Terphenyl-d14           | 22.07 | 244  | 472603   | 107.97 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.77 | 163  | 76350    | 14.87  | ng    | Qvalue<br># 95 |

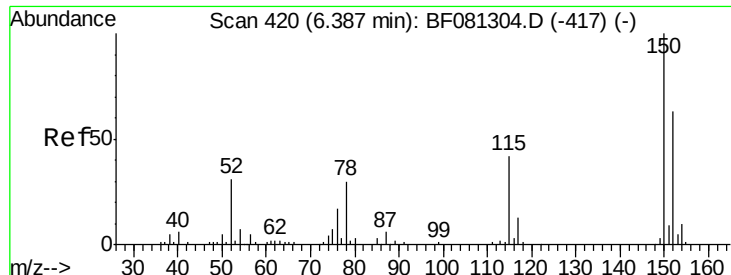
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 22 04:14:20 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

Instrument :

BNA\_F

ClientSampleId :

MGP-202-38-40

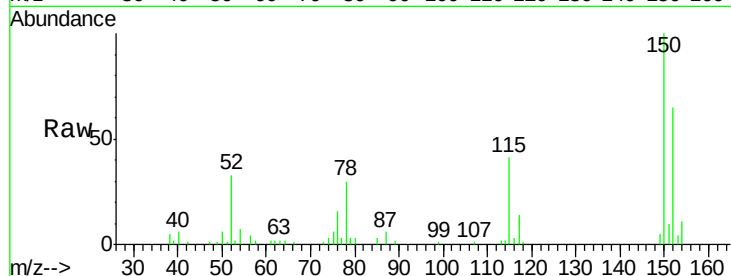
Tot Ion:152 Resp: 35634

Ion Ratio Lower Upper

152 100

150 153.0 124.7 187.1

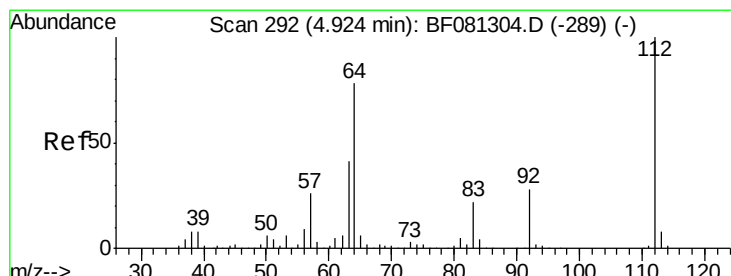
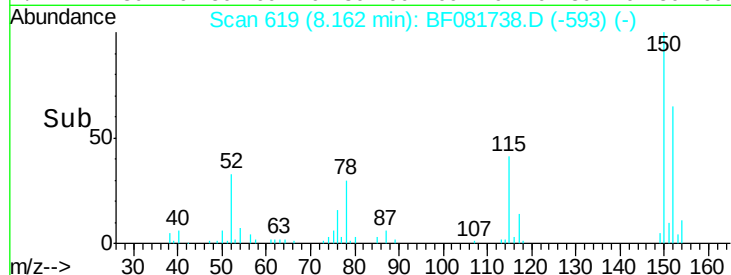
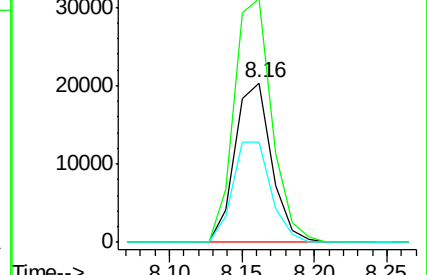
115 63.3 39.0 58.4#



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: 137.59 ng

RT: 5.33 min Scan# 371

Delta R.T. 0.02 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

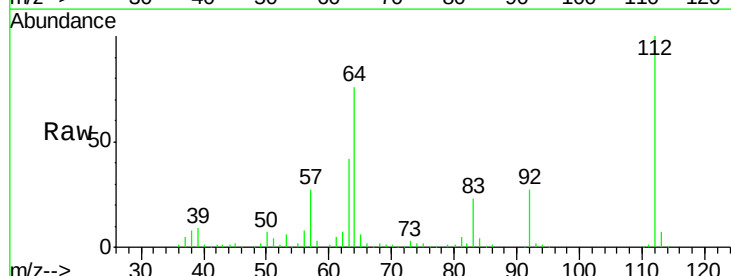
Tgt Ion:112 Resp: 315995

Ion Ratio Lower Upper

112 100

64 75.6 39.7 59.5#

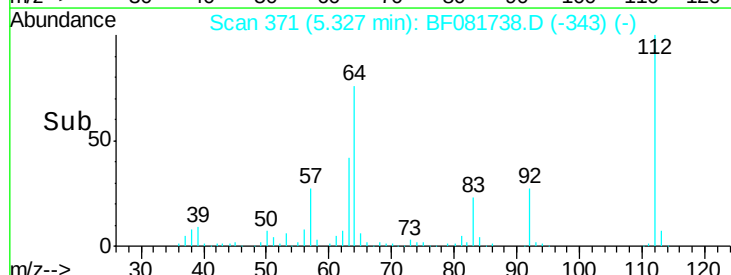
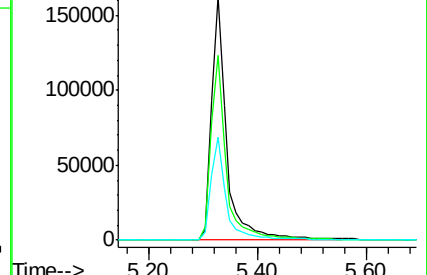
63 42.3 17.4 26.0#

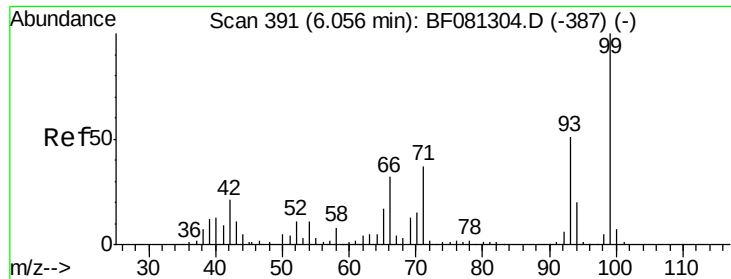


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.43 ng

RT: 7.60 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

Instrument :

BNA\_F

ClientSampleId :

MGP-202-38-40

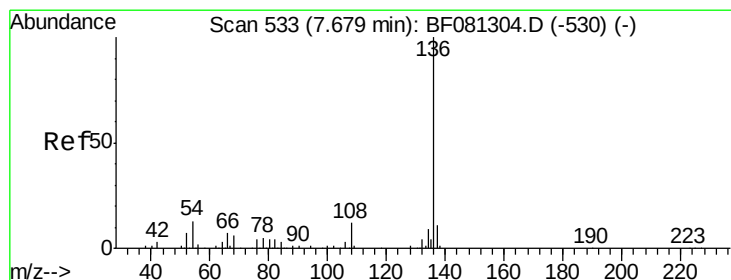
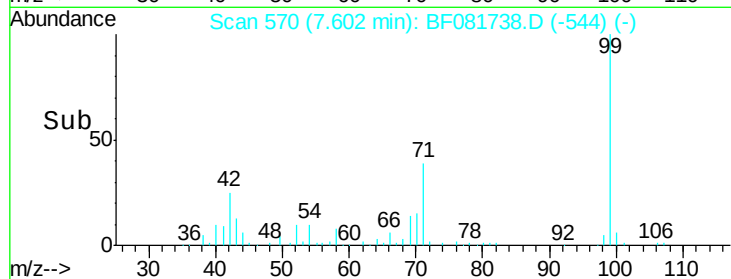
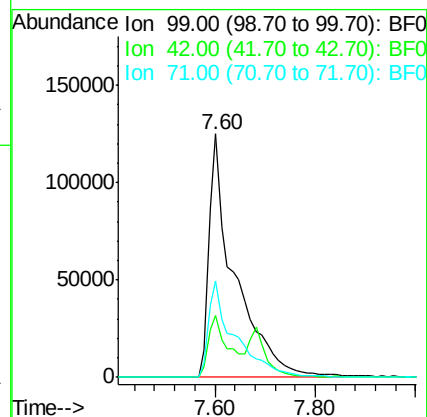
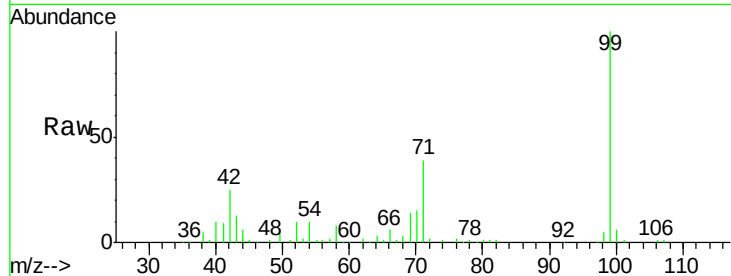
Tot Ion: 99 Resp: 442127

Ion Ratio Lower Upper

99 100

42 25.5 13.7 20.5#

71 39.5 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.05 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

Tgt Ion: 136 Resp: 138179

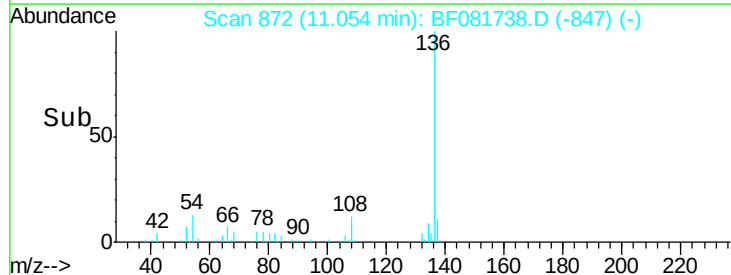
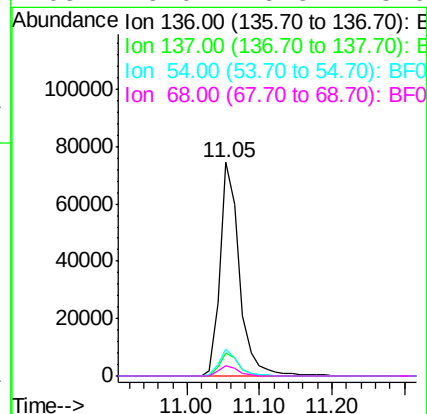
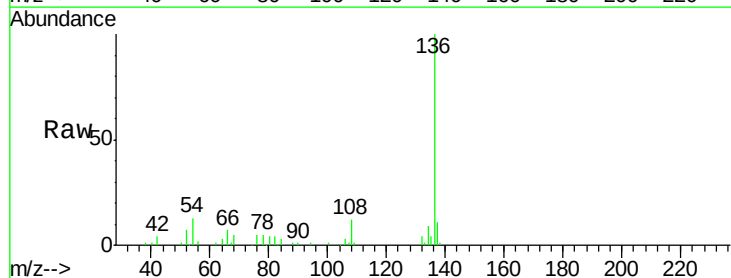
Ion Ratio Lower Upper

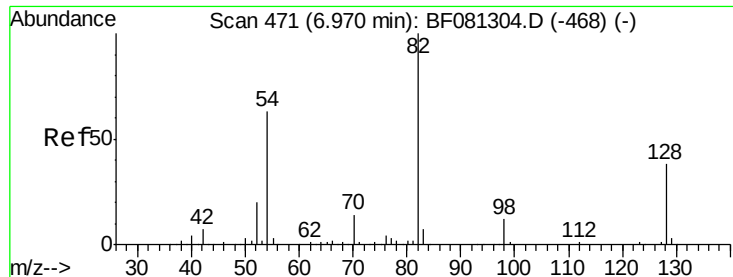
136 100

137 11.0 9.0 13.6

54 12.8 8.2 12.2#

68 5.0 5.8 8.6#

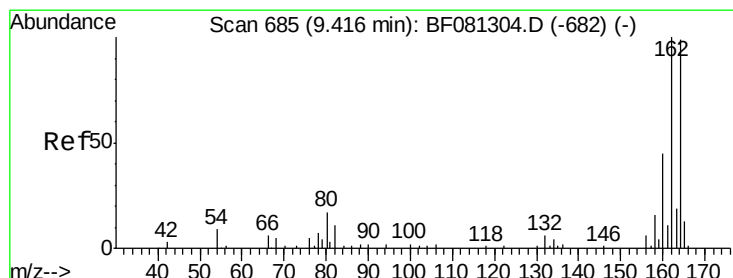
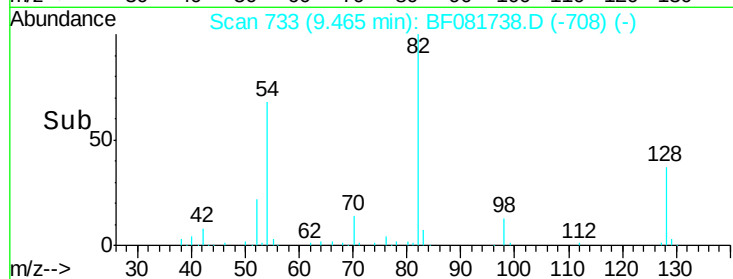
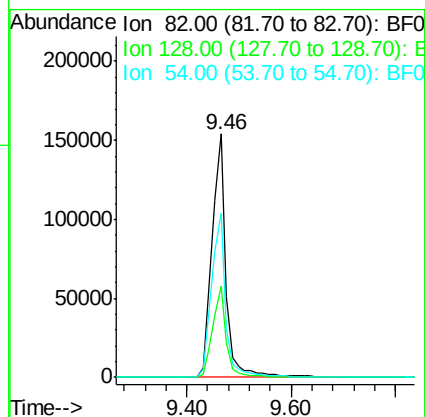
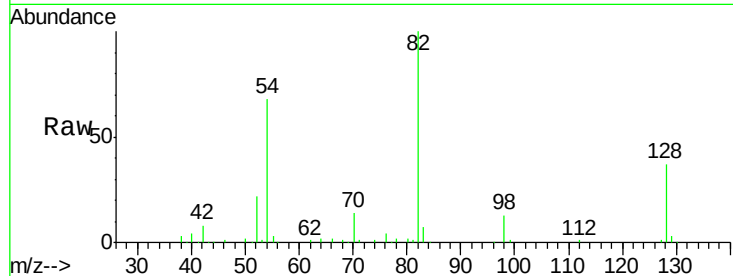




#23  
 Nitrobenzene-d5  
 Concen: 100.31 ng  
 RT: 9.46 min Scan# 733  
 Delta R.T. -0.01 min  
 Lab File: BF081738.D  
 Acq: 22 Sep 2015 7:28

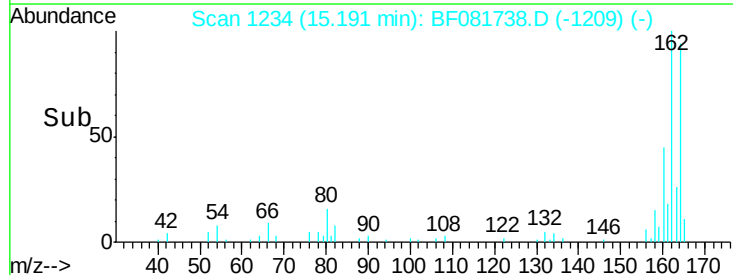
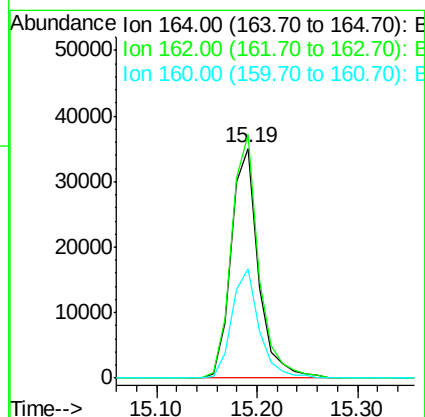
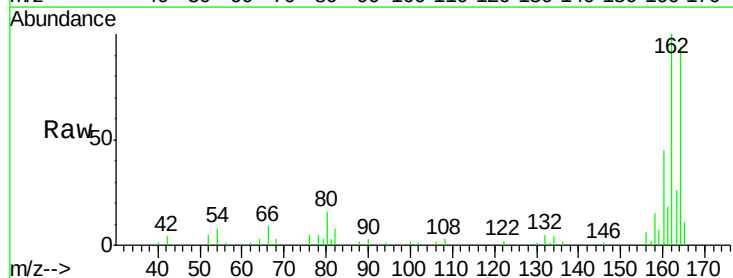
Instrument :  
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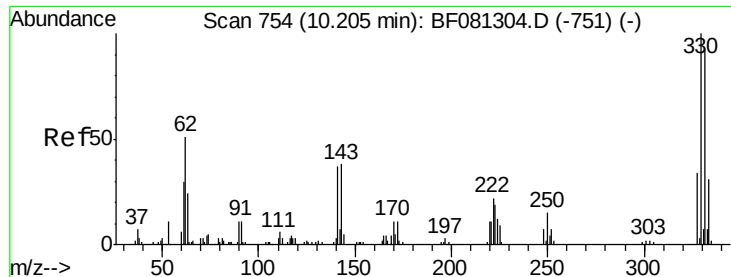
Tot Ion: 82 Resp: 287285  
 Ion Ratio Lower Upper  
 82 100  
 128 37.3 51.0 76.6#  
 54 67.6 47.5 71.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.19 min Scan# 1234  
 Delta R.T. -0.01 min  
 Lab File: BF081738.D  
 Acq: 22 Sep 2015 7:28

Tgt Ion:164 Resp: 66070  
 Ion Ratio Lower Upper  
 164 100  
 162 105.8 75.2 112.8  
 160 47.3 31.5 47.3#

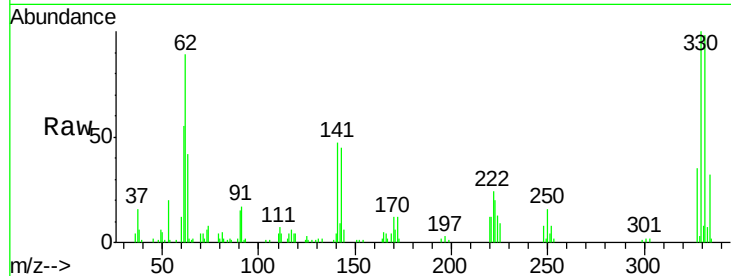




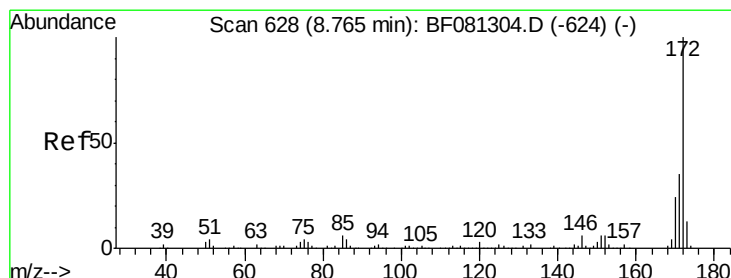
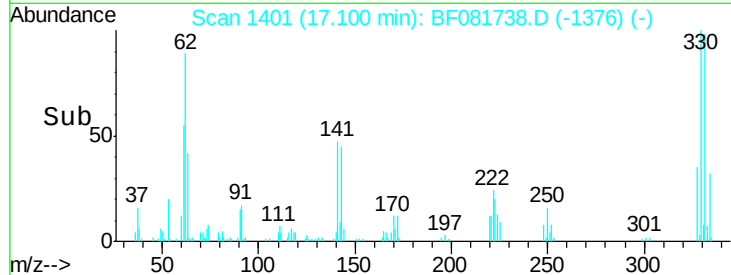
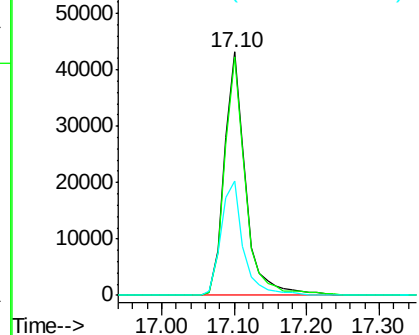
#41  
 2,4,6-Tribromophenol  
 Concen: 148.70 ng  
 RT: 17.10 min Scan# 1401  
 Delta R.T. -0.01 min  
 Lab File: BF081738.D  
 Acq: 22 Sep 2015 7:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP-202-38-40

Tot Ion:330 Resp: 87477  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.6 114.8  
 141 49.3 29.7 44.5#

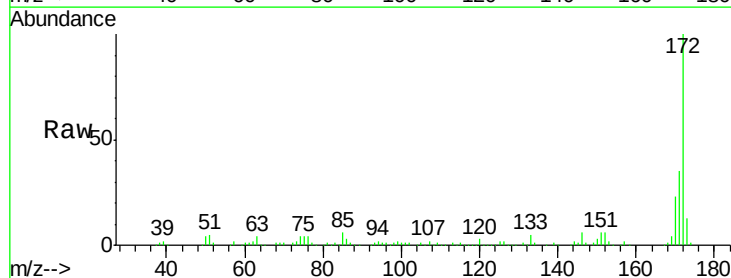


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

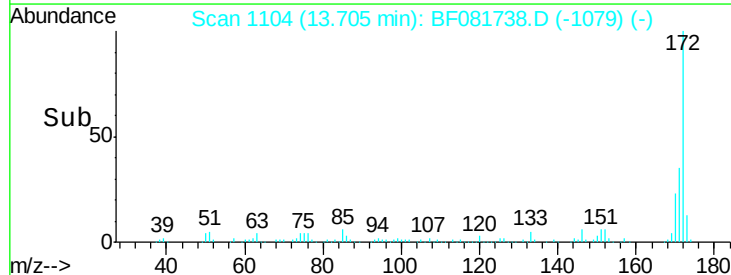
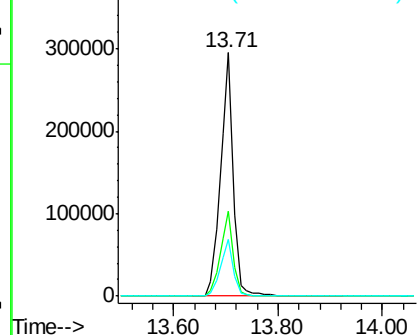


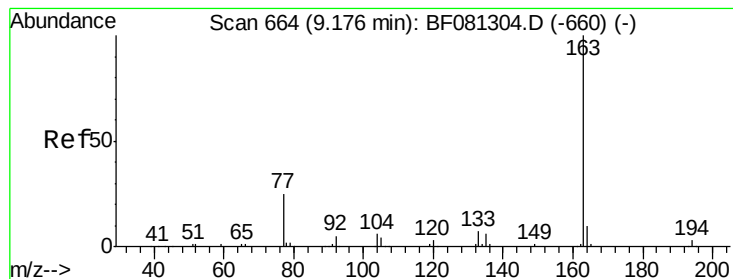
#44  
 2-Fluorobiphenyl  
 Concen: 96.65 ng  
 RT: 13.71 min Scan# 1104  
 Delta R.T. -0.01 min  
 Lab File: BF081738.D  
 Acq: 22 Sep 2015 7:28

Tgt Ion:172 Resp: 498289  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 26.1 39.1  
 170 23.5 17.4 26.2



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: 14.87 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

Instrument :

BNA\_F

ClientSampleId :

MGP-202-38-40

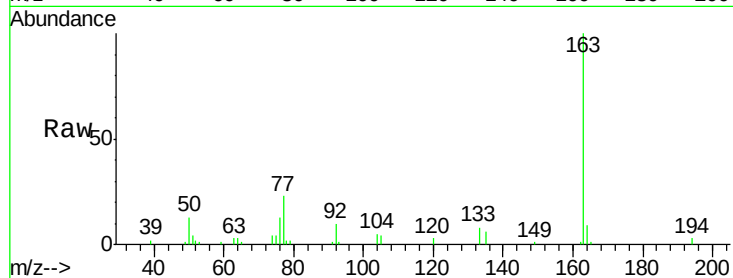
Tot Ion:163 Resp: 76350

Ion Ratio Lower Upper

163 100

194 2.9 4.4 6.6#

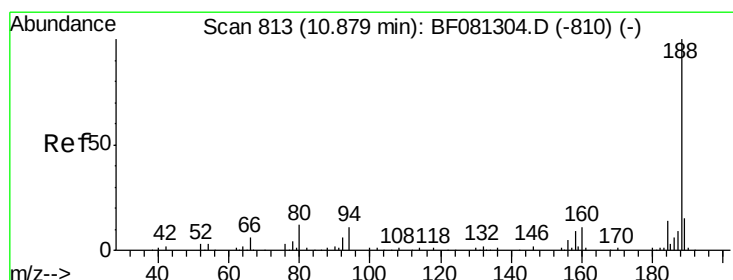
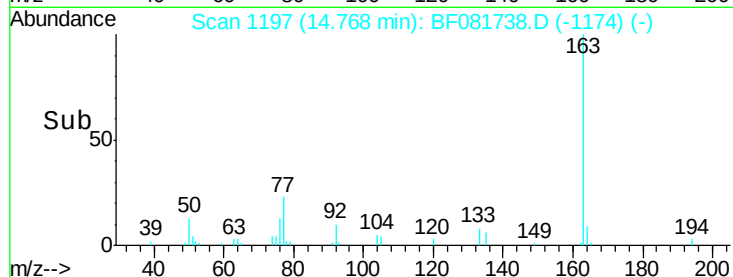
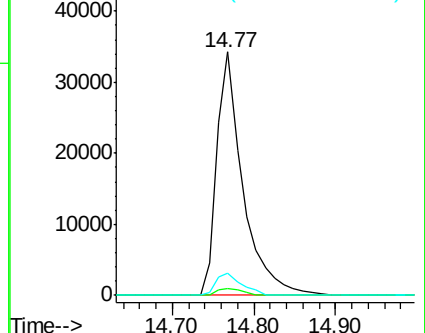
164 8.9 8.3 12.5



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: 18.70 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

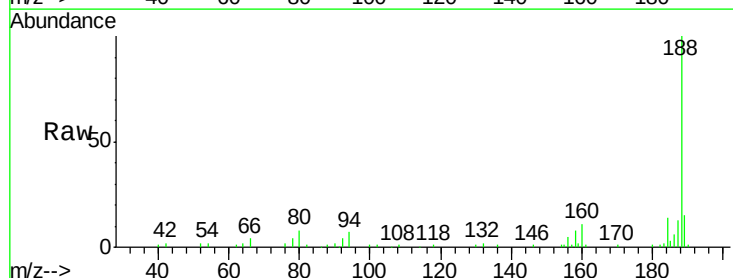
Tgt Ion:188 Resp: 136569

Ion Ratio Lower Upper

188 100

94 7.3 11.1 16.7#

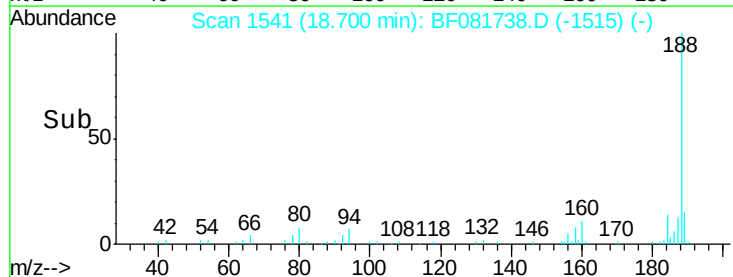
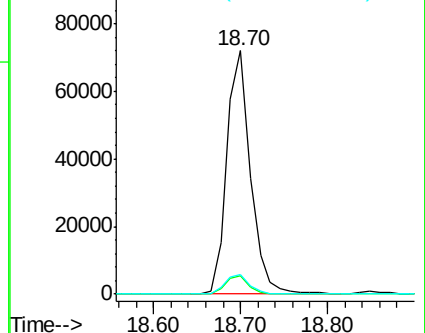
80 8.1 11.0 16.4#

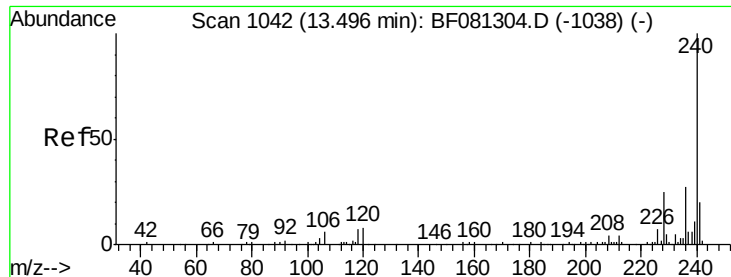


Abundance Ion 188.00 (187.70 to 188.70): E

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: 23.35 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

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ClientSampleId :

MGP-202-38-40

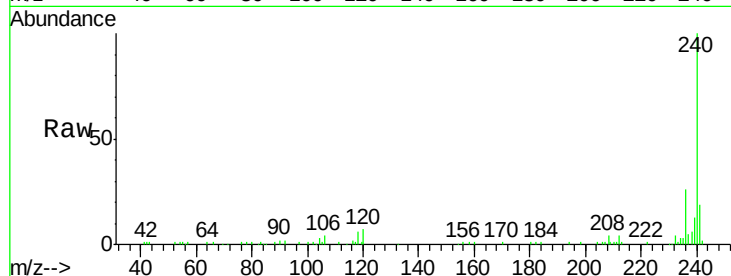
Tot Ion:240 Resp: 101890

Ion Ratio Lower Upper

240 100

120 6.9 16.2 24.2#

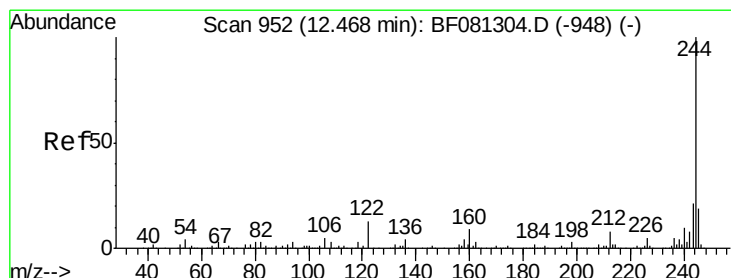
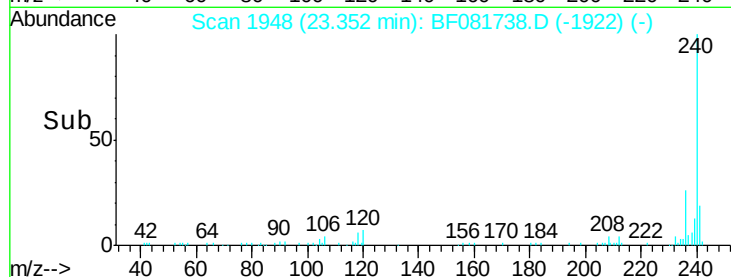
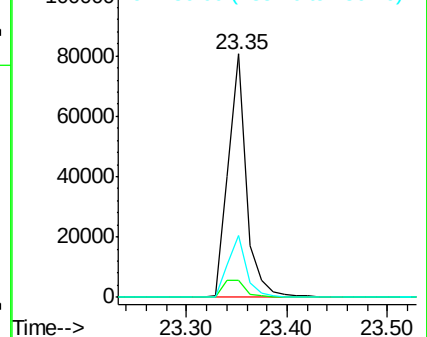
236 25.5 18.4 27.6



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: 107.97 ng

RT: 22.07 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BF081738.D

Acq: 22 Sep 2015 7:28

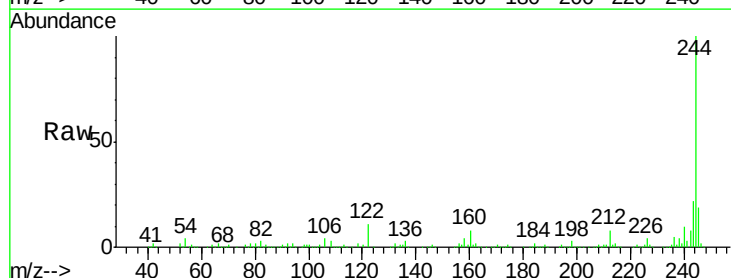
Tgt Ion:244 Resp: 472603

Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

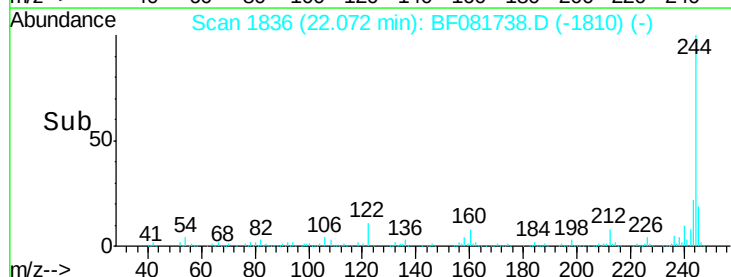
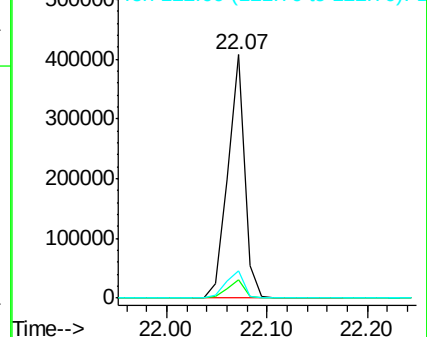
122 11.0 17.4 26.2#



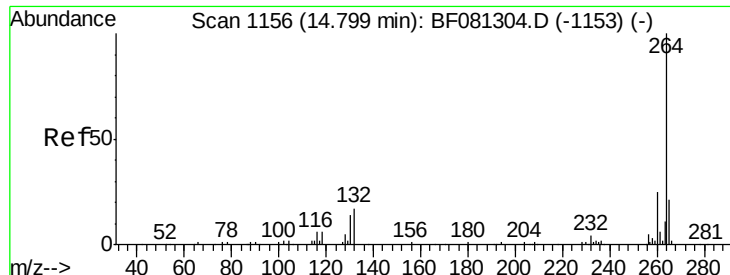
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





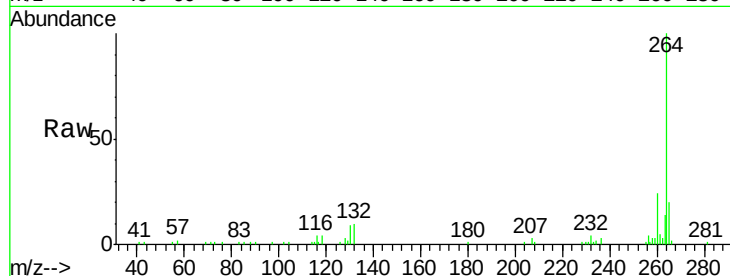


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.79 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: BF081738.D  
Acq: 22 Sep 2015 7:28

Instrument :  
BNA\_F  
ClientSampleId :  
MGP-202-38-40

Tot Ion: 264 Resp: 75969  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 16.7  | 25.1  |
| 265 | 20.3  | 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

