

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
 Data File : BF094285.D  
 Acq On : 7 Apr 2017 20:58  
 Operator : SJ/MA  
 Sample : I2534-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-B-03(0-5)

Quant Time: Apr 07 23:00:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

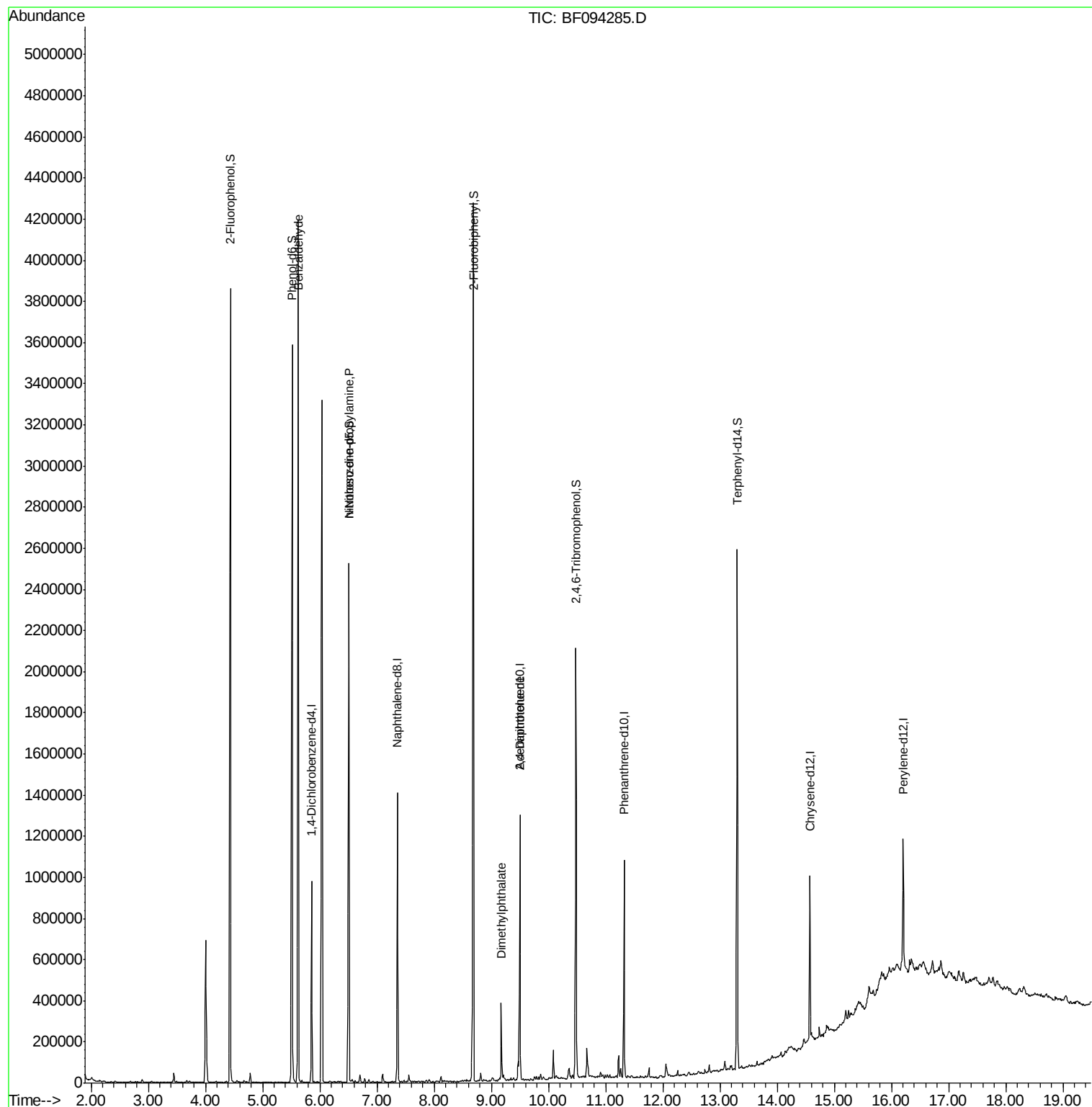
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.86  | 152  | 170345   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.36  | 136  | 660630   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.50  | 164  | 276619   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.32 | 188  | 399218   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.57 | 240  | 305107   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 16.21 | 264  | 272012   | 20.00  | ng    | 0.02      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.43  | 112  | 1288138  | 127.72 | ng    | 0.05      |
| 7) Phenol-d6                   | 5.52  | 99   | 1646187  | 131.94 | ng    | 0.05      |
| 23) Nitrobenzene-d5            | 6.51  | 82   | 1048734  | 90.60  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.48 | 330  | 278453   | 127.39 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 8.69  | 172  | 1660586  | 91.56  | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.30 | 244  | 946461   | 69.53  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 5.62  | 77   | 28388    | 3.37   | ng    | Qvalue 80 |
| 19) n-Nitroso-di-n-propylamine | 6.51  | 70   | 140991   | 17.58  | ng    | # 77      |
| 49) Dimethylphthalate          | 9.17  | 163  | 164546   | 8.37   | ng    | 98        |
| 56) 2,4-Dinitrotoluene         | 9.50  | 165  | 35634    | 6.29   | ng    | # 33      |

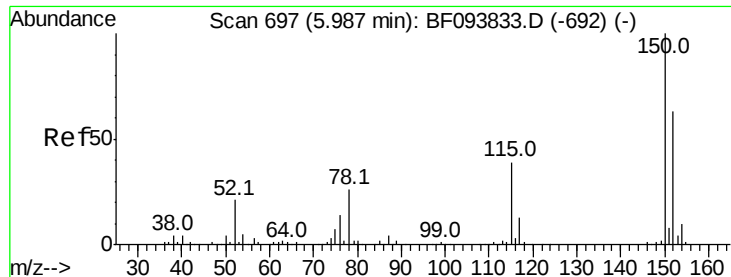
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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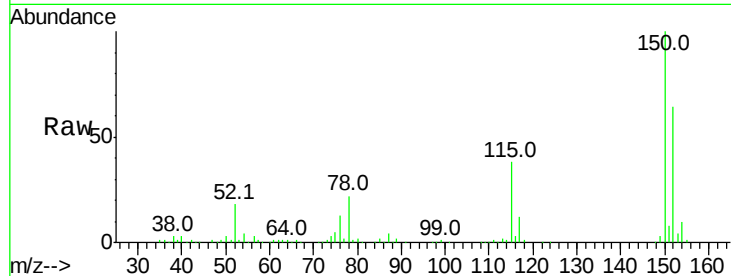


#1

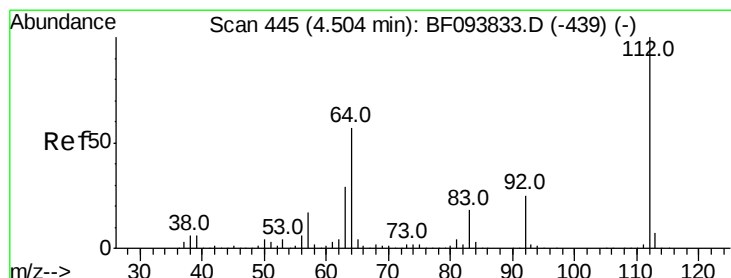
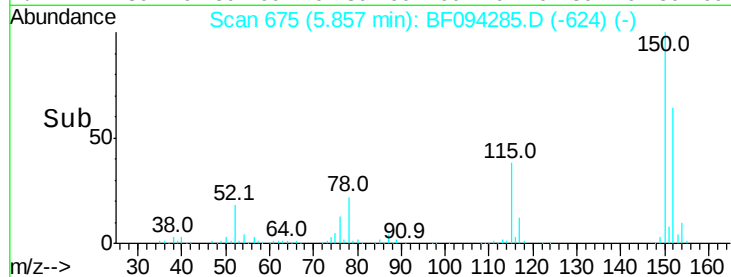
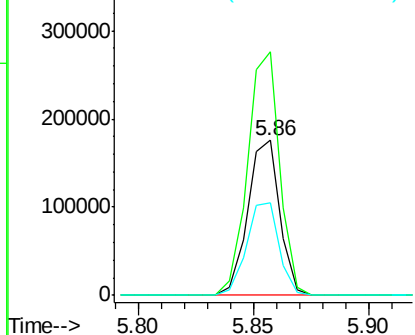
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.86 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: BF094285.D  
Acq: 7 Apr 2017 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
GP-B-03(0-5)

Tot Ion:152 Resp: 170345  
Ion Ratio Lower Upper  
152 100  
150 156.9 126.2 189.2  
115 59.9 52.2 78.2



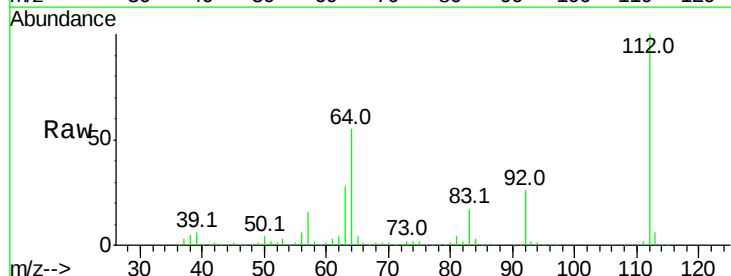
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



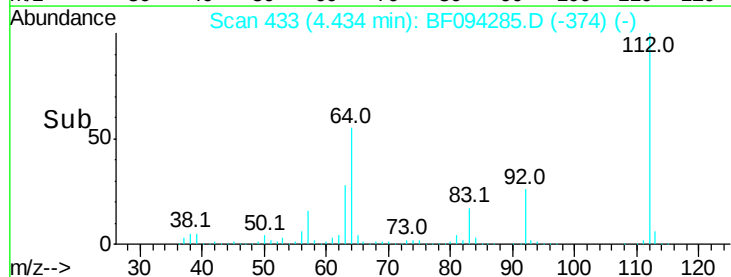
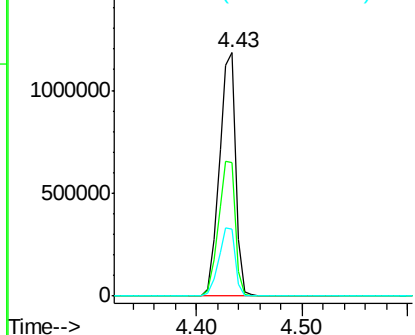
#5

2-Fluorophenol  
Concen: 127.72 ng  
RT: 4.43 min Scan# 433  
Delta R.T. 0.05 min  
Lab File: BF094285.D  
Acq: 7 Apr 2017 20:58

Tgt Ion:112 Resp: 1288138  
Ion Ratio Lower Upper  
112 100  
64 55.0 46.0 69.0  
63 27.7 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: 131.94 ng

RT: 5.52 min Scan# 617

Delta R.T. 0.05 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

Instrument :

BNA\_F

ClientSampleId :

GP-B-03(0-5)

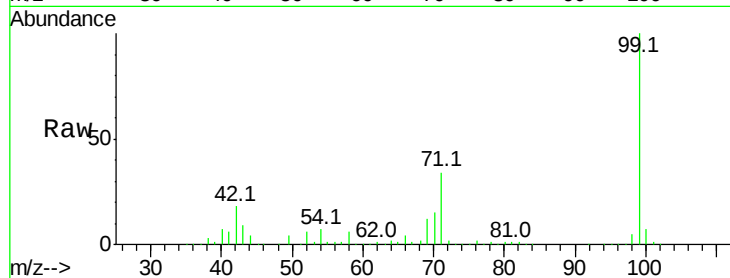
Tot Ion: 99 Resp: 1646187

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

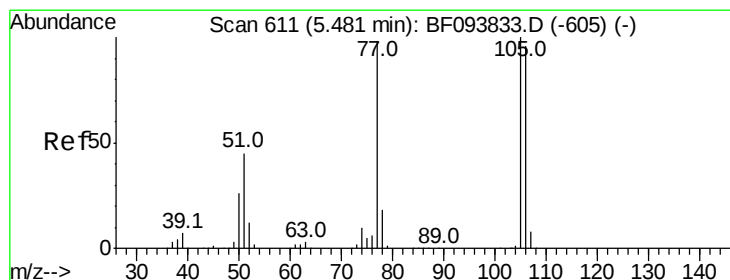
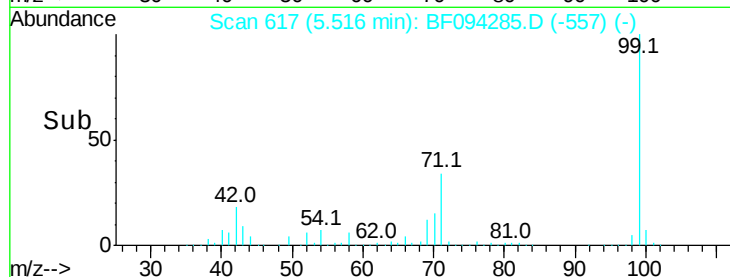
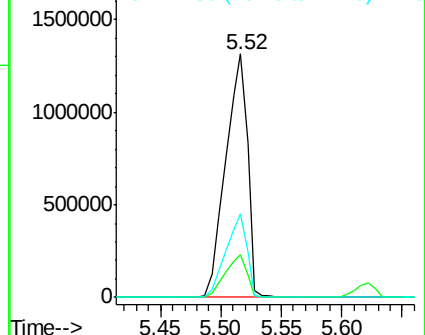
71 34.2 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.37 ng

RT: 5.62 min Scan# 635

Delta R.T. 0.27 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

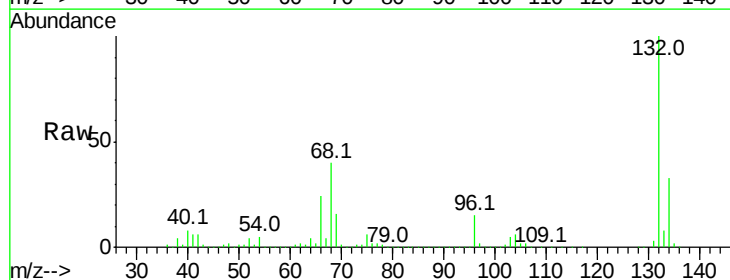
Tgt Ion: 77 Resp: 28388

Ion Ratio Lower Upper

77 100

105 84.0 83.8 123.8

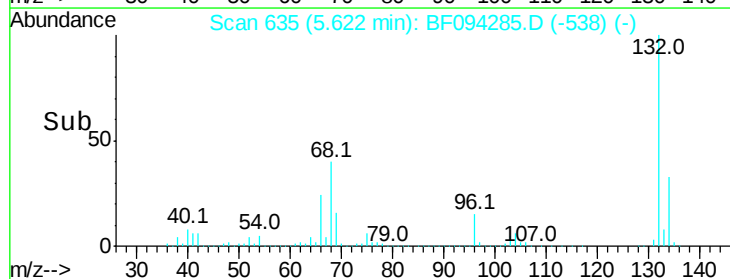
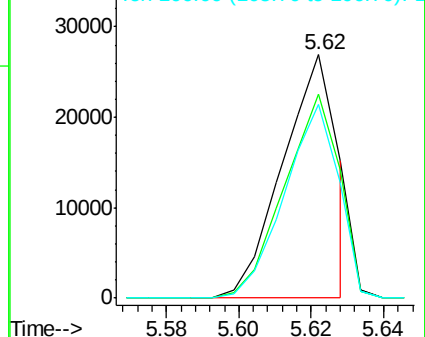
106 79.4 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 17.58 ng

RT: 6.51 min Scan# 786

Delta R.T. 0.16 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

Instrument :

BNA\_F

ClientSampleId :

GP-B-03(0-5)

Tot Ion: 70 Resp: 140991

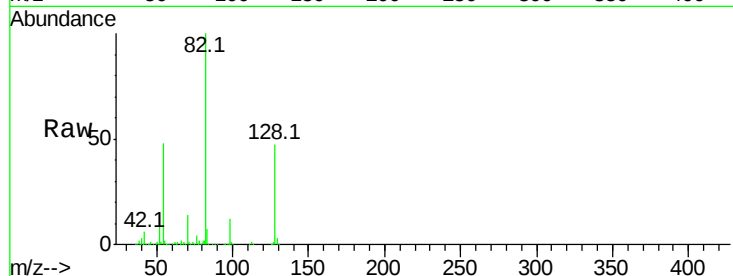
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

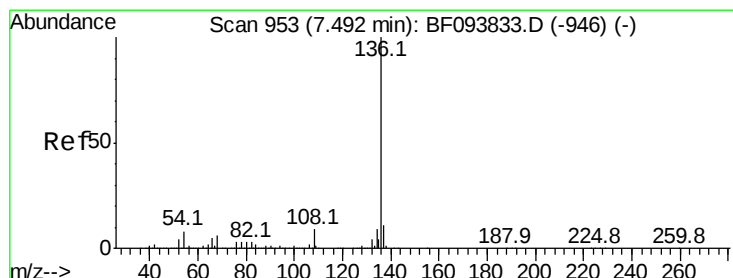
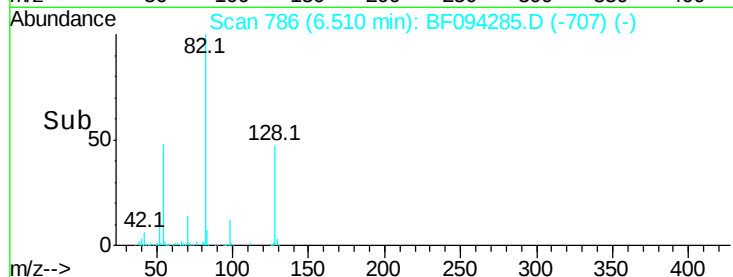
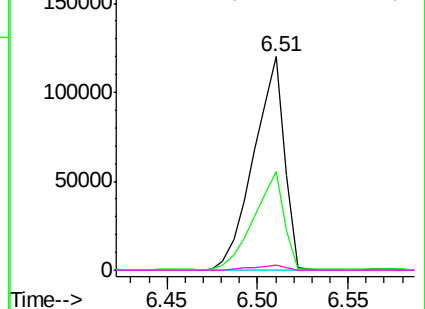


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

Tgt Ion: 136 Resp: 660630

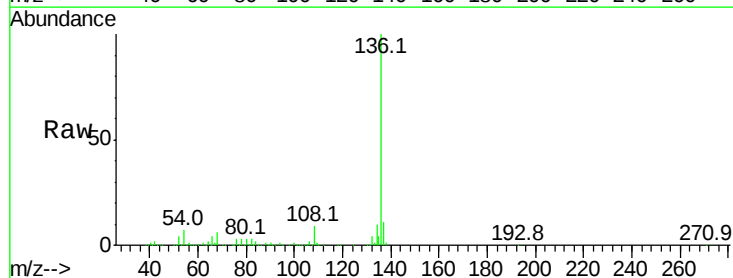
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.2 4.9 7.3

68 6.1 4.1 6.1

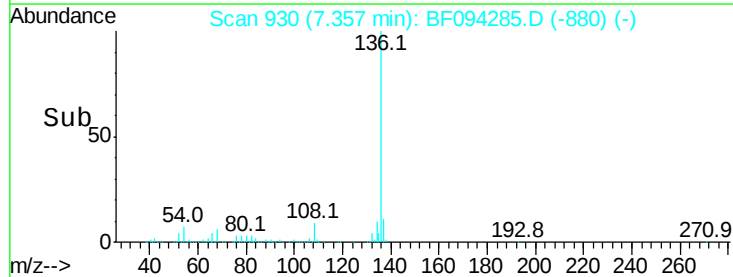
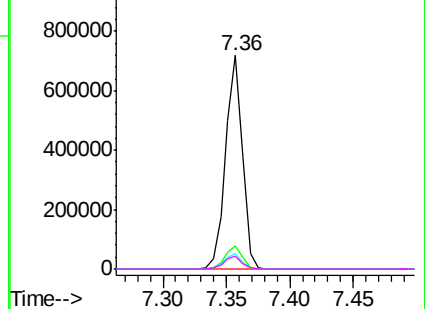


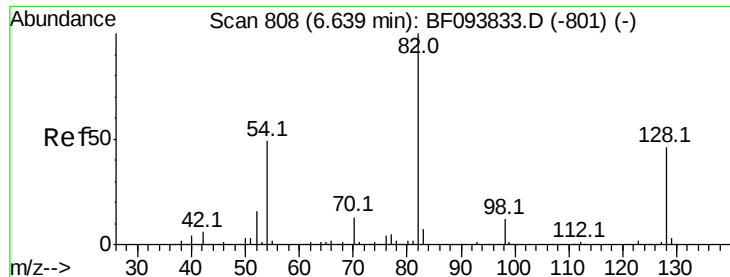
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

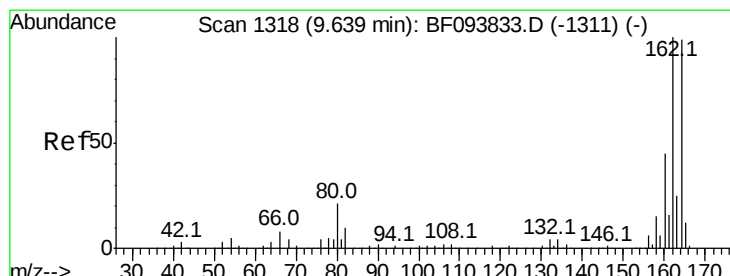
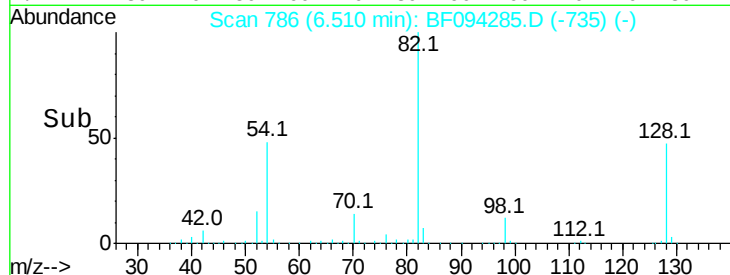
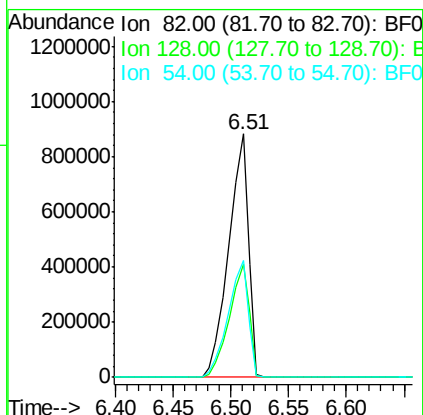
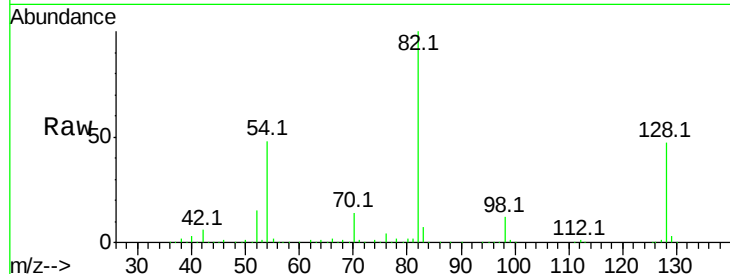




#23  
 Nitrobenzene-d5  
 Concen: 90.60 ng  
 RT: 6.51 min Scan# 786  
 Delta R.T. 0.00 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

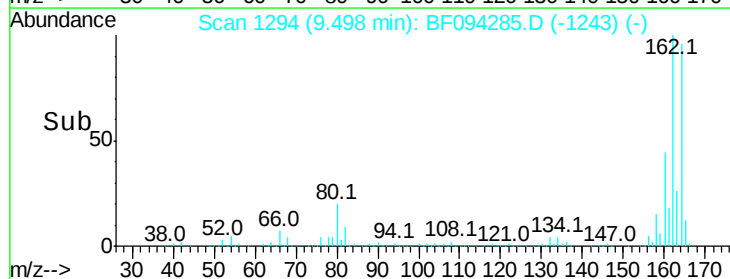
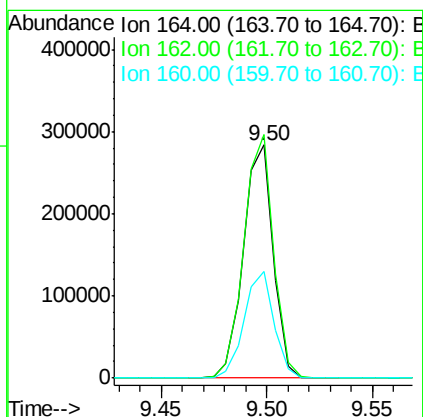
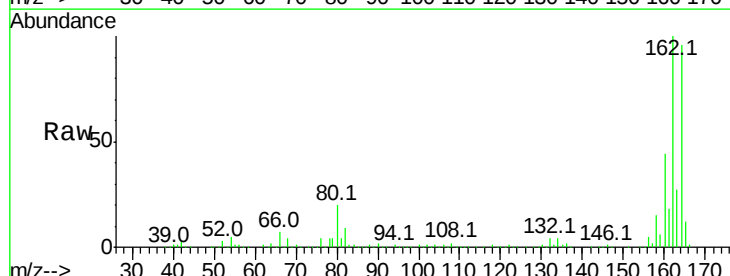
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-B-03(0-5)

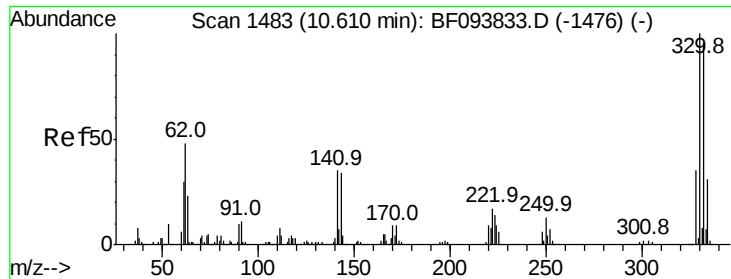
Tot Ion: 82 Resp: 1048734  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 34.0 51.0  
 54 48.2 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.50 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

Tgt Ion:164 Resp: 276619  
 Ion Ratio Lower Upper  
 164 100  
 162 104.4 82.6 123.8  
 160 45.9 36.2 54.2

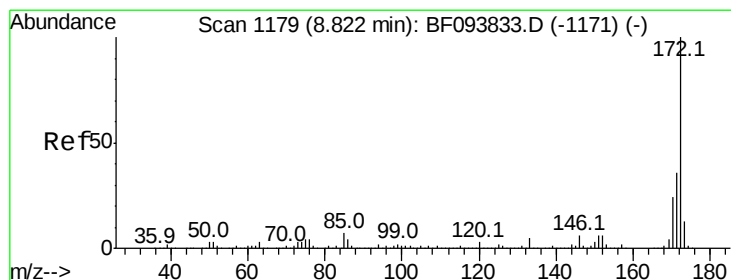
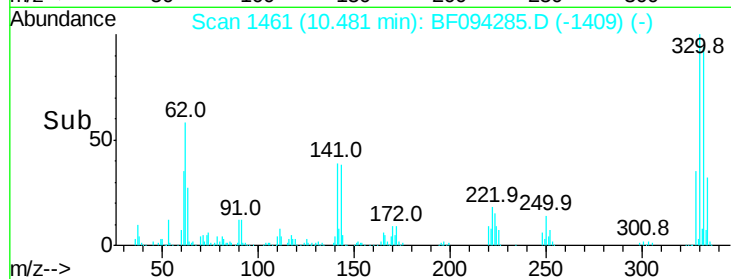
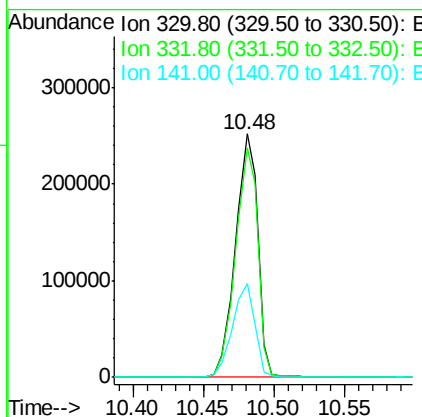
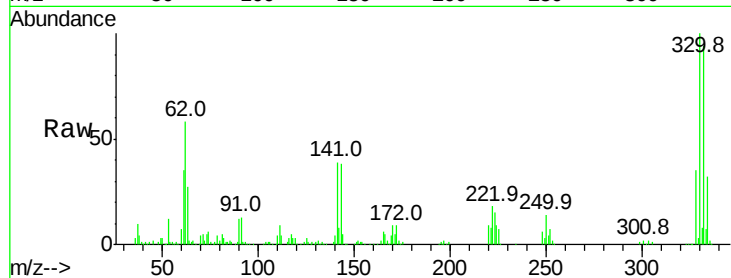




#41  
 2,4,6-Tribromophenol  
 Concen: 127.39 ng  
 RT: 10.48 min Scan# 1461  
 Delta R.T. 0.01 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

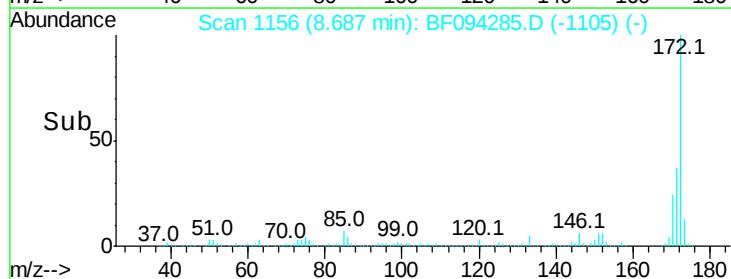
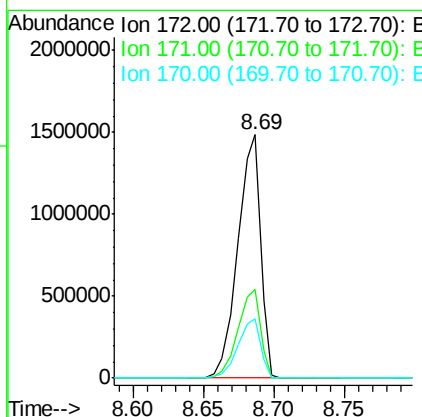
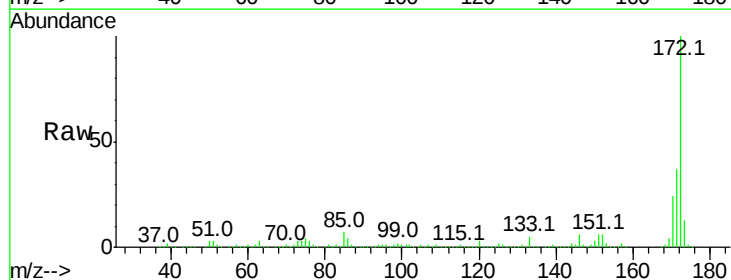
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-B-03(0-5)

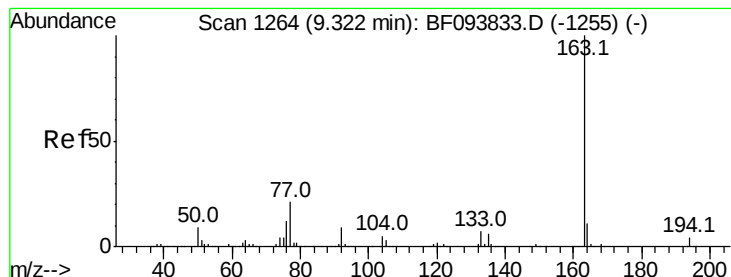
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 76.6  | 115.0 |
| 141     | 38.9  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 91.56 ng  
 RT: 8.69 min Scan# 1156  
 Delta R.T. 0.00 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.6  | 44.4  |
| 170     | 24.4  | 19.8  | 29.8  |





#49

Dimethylphthalate

Concen: 8.37 ng

RT: 9.17 min Scan# 1239

Delta R.T. -0.02 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

Instrument :

BNA\_F

ClientSampleId :

GP-B-03(0-5)

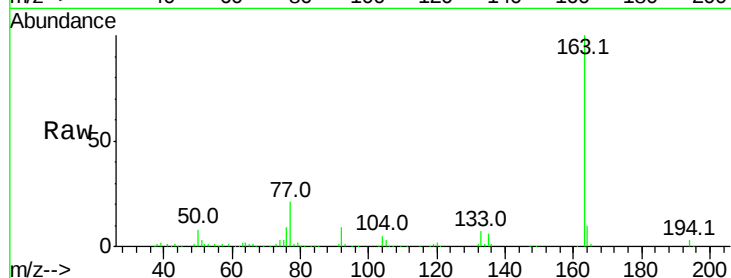
Tot Ion:163 Resp: 164546

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

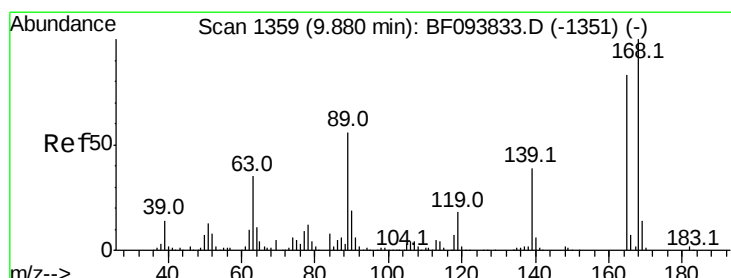
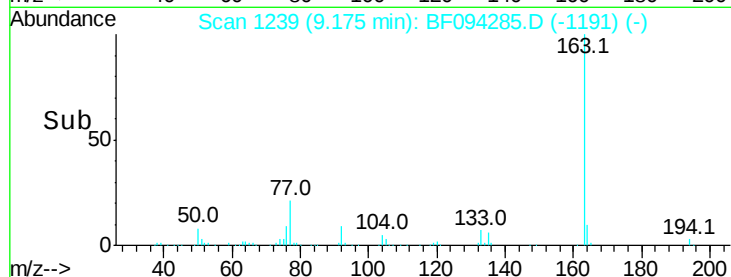
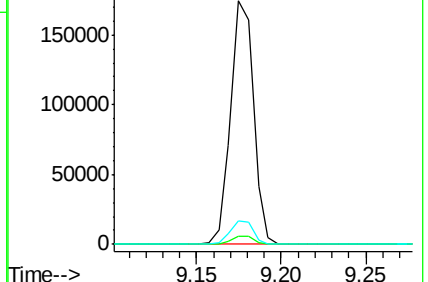
164 9.6 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.50 min Scan# 1294

Delta R.T. -0.25 min

Lab File: BF094285.D

Acq: 7 Apr 2017 20:58

Tgt Ion:165 Resp: 35634

Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.4 46.4 69.6#

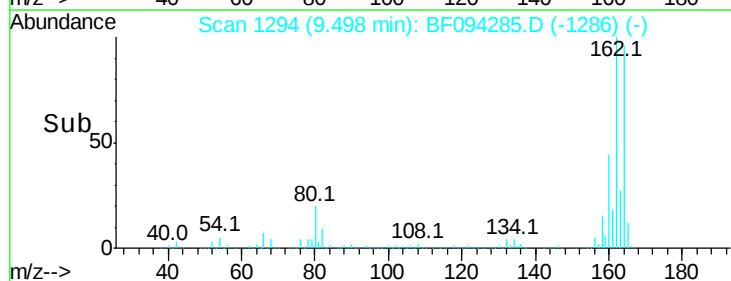
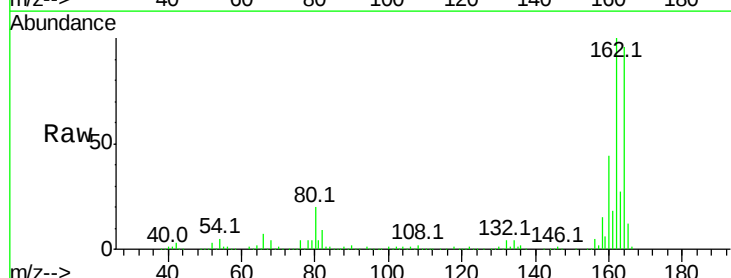
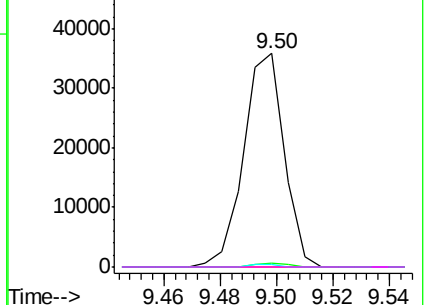
182 0.0 1.8 2.6#

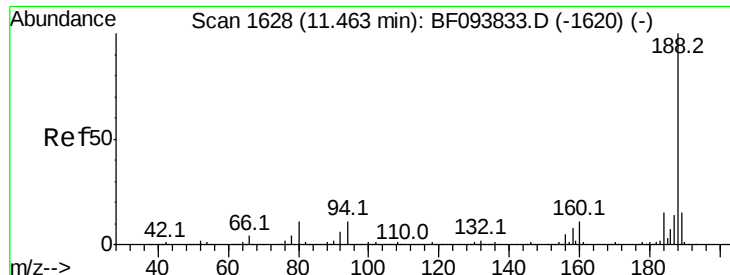
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

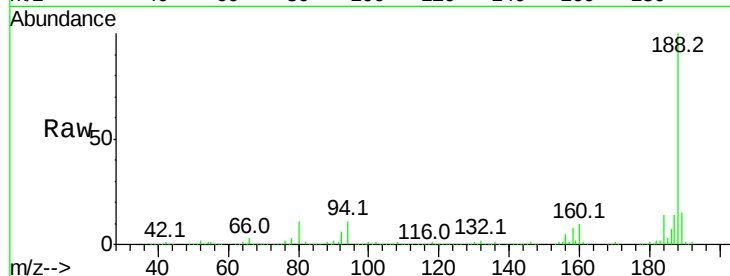




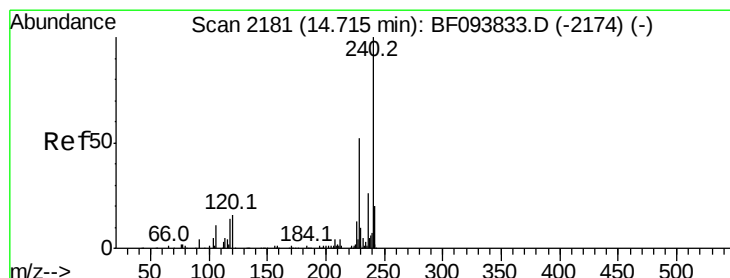
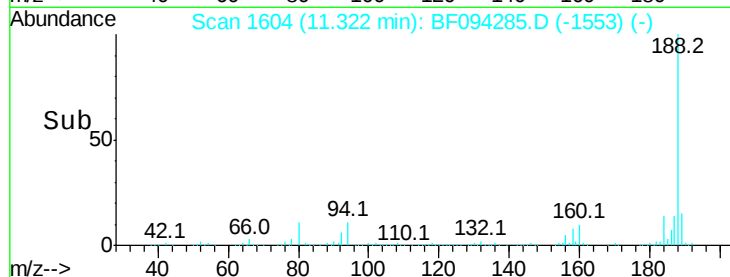
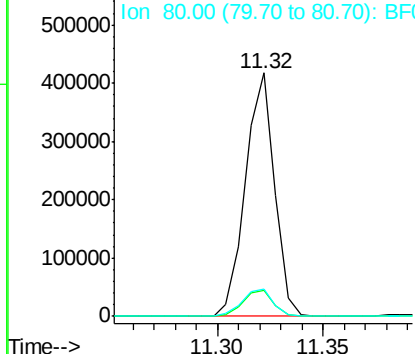
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: BF094285.D  
Acq: 7 Apr 2017 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
GP-B-03(0-5)

Tot Ion:188 Resp: 399218  
Ion Ratio Lower Upper  
188 100  
94 10.9 9.4 14.2  
80 11.5 10.2 15.2

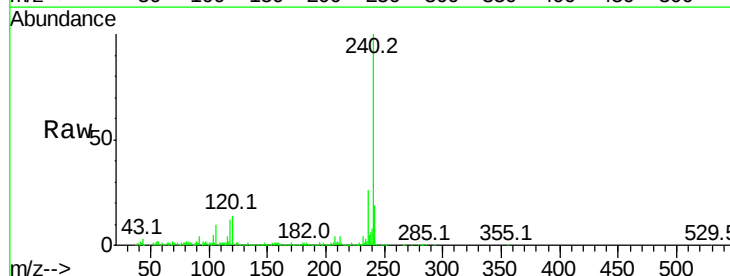


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

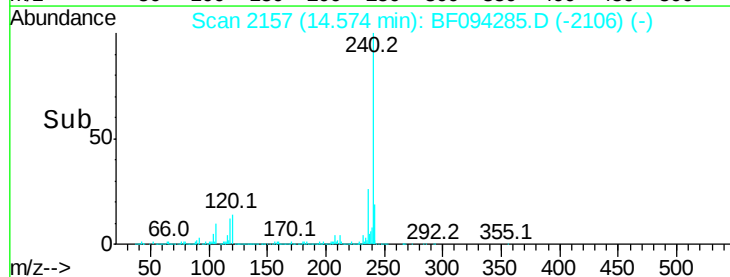
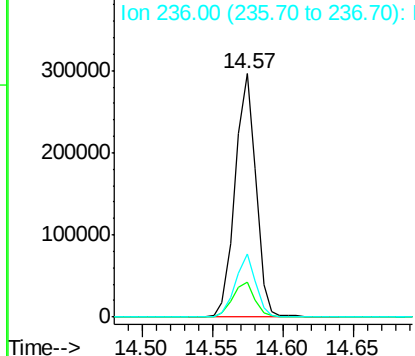


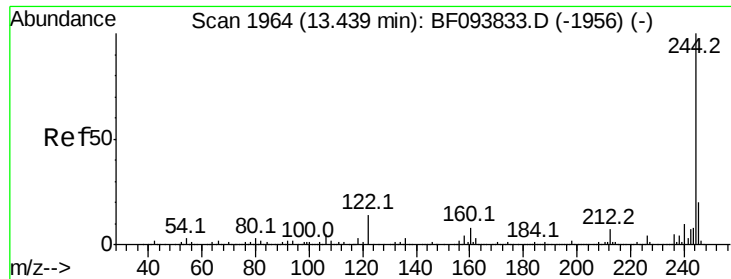
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.57 min Scan# 2157  
Delta R.T. 0.00 min  
Lab File: BF094285.D  
Acq: 7 Apr 2017 20:58

Tgt Ion:240 Resp: 305107  
Ion Ratio Lower Upper  
240 100  
120 14.2 5.8 8.8#  
236 26.1 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

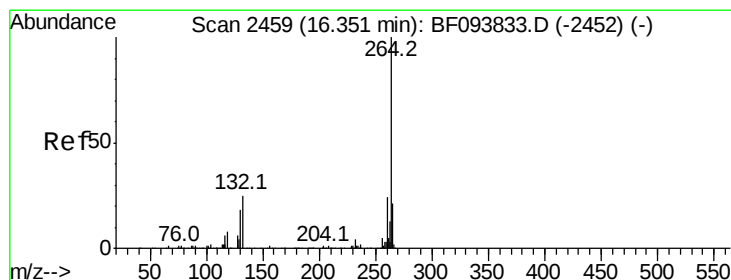
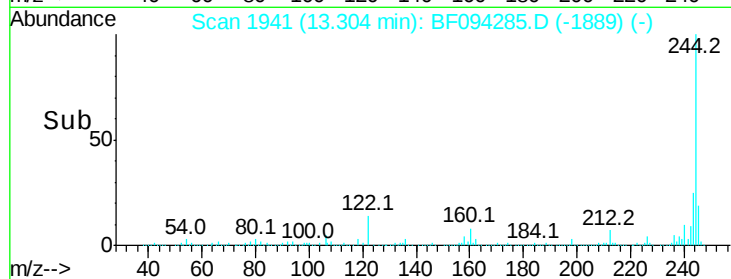
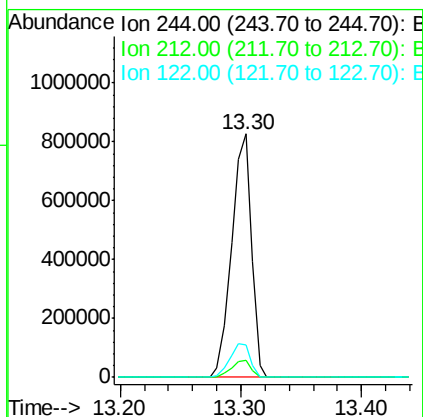
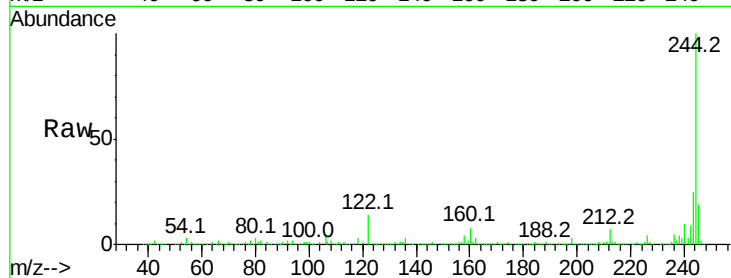




#78  
 Terphenyl-d14  
 Concen: 69.53 ng  
 RT: 13.30 min Scan# 1941  
 Delta R.T. 0.01 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-B-03(0-5)

Tot Ion:244 Resp: 946461  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 13.5 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.21 min Scan# 2435  
 Delta R.T. 0.02 min  
 Lab File: BF094285.D  
 Acq: 7 Apr 2017 20:58

Tgt Ion:264 Resp: 272012  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 22.5 17.2 25.8

