

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\  
 Data File : BF093817.D  
 Acq On : 22 Mar 2017 5:29  
 Operator : SJ/MA  
 Sample : PB97716BL  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97716BL

Quant Time: Mar 22 07:02:11 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 21 14:38:20 2017  
 Response via : Initial Calibration

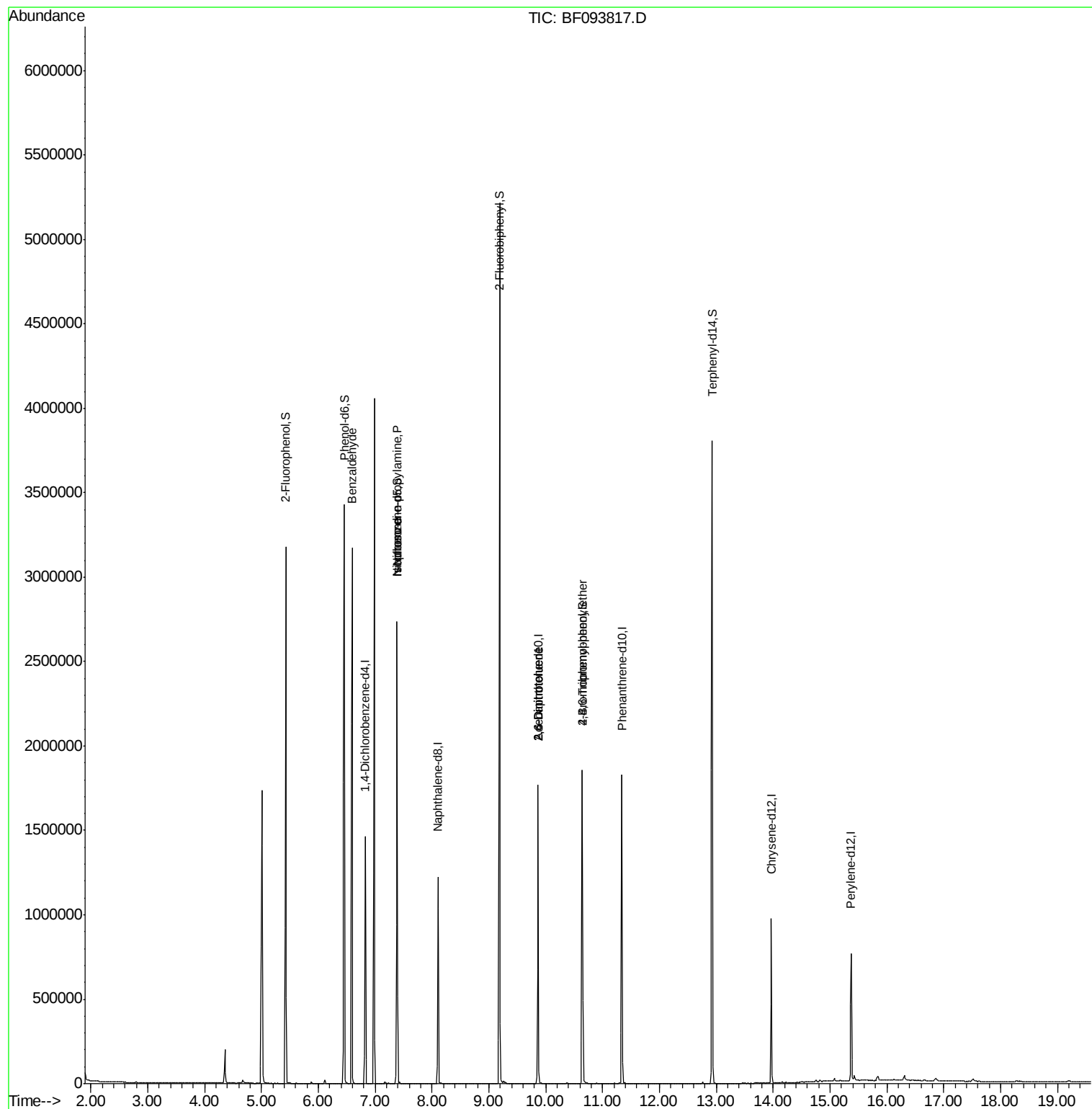
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 204592   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.10  | 136  | 833247   | 20.00 | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.86  | 164  | 383775   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.34 | 188  | 611558   | 20.00 | ng    | 0.00      |
| 75) Chrysene-d12               | 13.97 | 240  | 382242   | 20.00 | ng    | 0.00      |
| 86) Perylene-d12               | 15.37 | 264  | 344612   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.43  | 112  | 949120   | 81.12 | ng    | 0.01      |
| 7) Phenol-d6                   | 6.46  | 99   | 1345402  | 93.06 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 1002180  | 68.23 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 212850   | 71.61 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 1811375  | 79.37 | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.93 | 244  | 1269971  | 67.74 | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 9) Benzaldehyde                | 6.60  | 77   | 22604    | 2.21  | ng    | Qvalue 87 |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 133004   | 14.04 | ng    | # 78      |
| 25) Isophorone                 | 7.38  | 82   | 766479   | 29.46 | ng    | # 67      |
| 50) 2,6-Dinitrotoluene         | 9.86  | 165  | 48606    | 8.11  | ng    | # 33      |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 48609    | 6.39  | ng    | # 33      |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 14593    | 2.48  | ng    | # 1       |

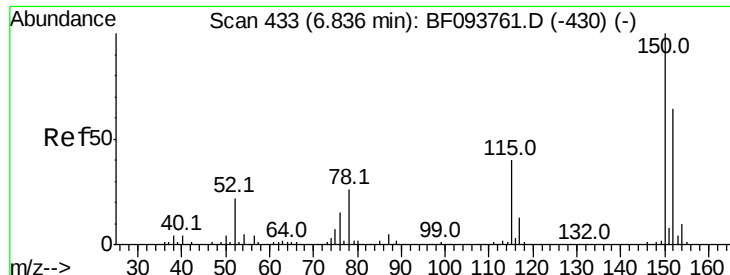
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

Instrument :

BNA\_F

ClientSampleId :

PB97716BL

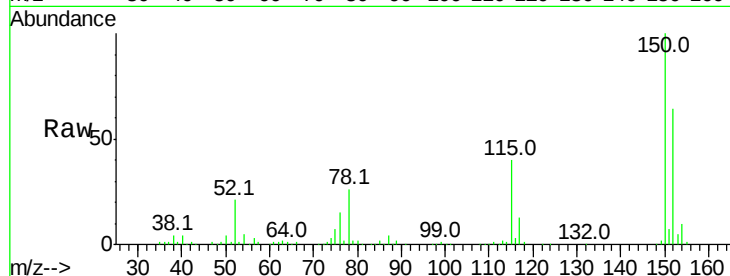
Tot Ion:152 Resp: 204592

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

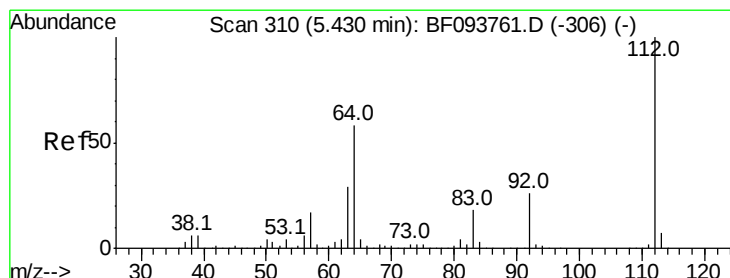
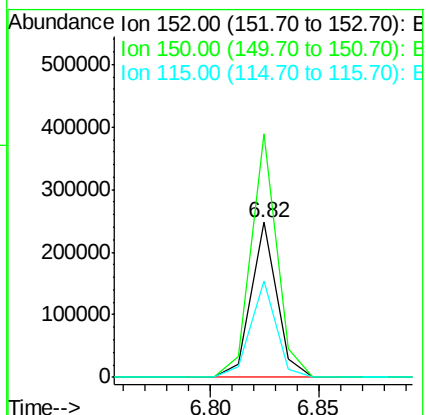
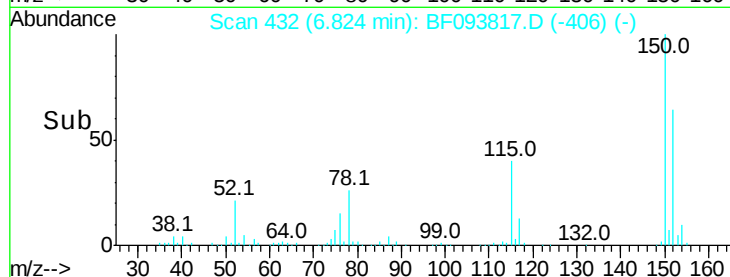
115 62.6 52.2 78.2



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: 81.12 ng

RT: 5.43 min Scan# 310

Delta R.T. 0.01 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

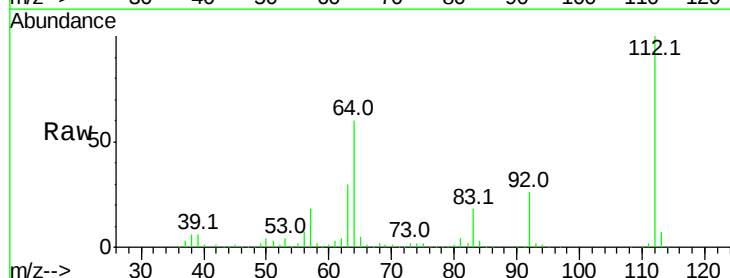
Tgt Ion:112 Resp: 949120

Ion Ratio Lower Upper

112 100

64 59.8 46.0 69.0

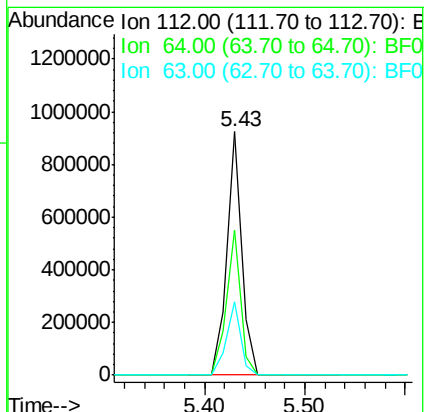
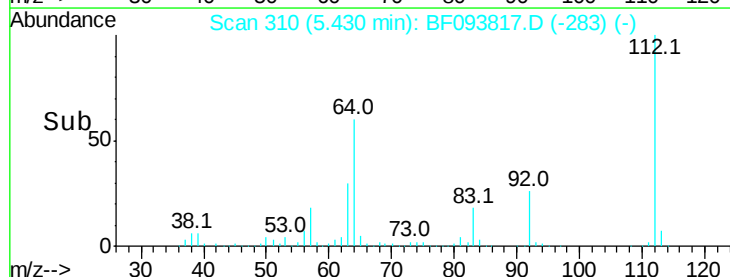
63 29.9 23.4 35.0

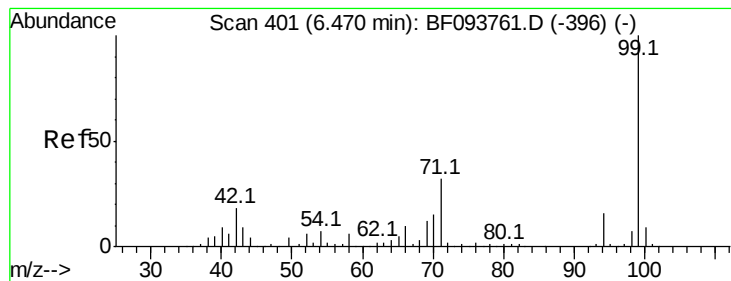


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.06 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

Instrument :

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ClientSampleId :

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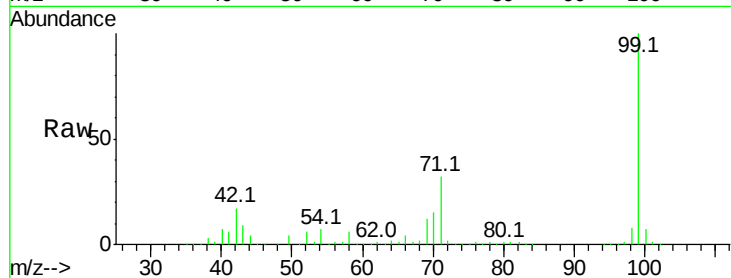
Tot Ion: 99 Resp: 1345402

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

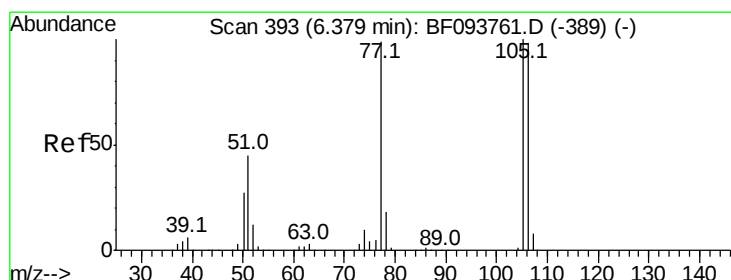
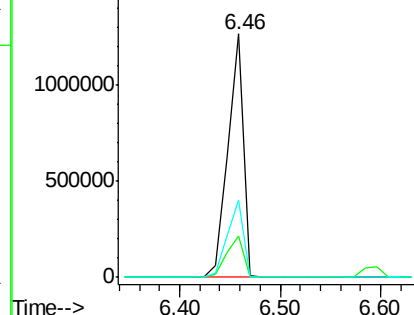
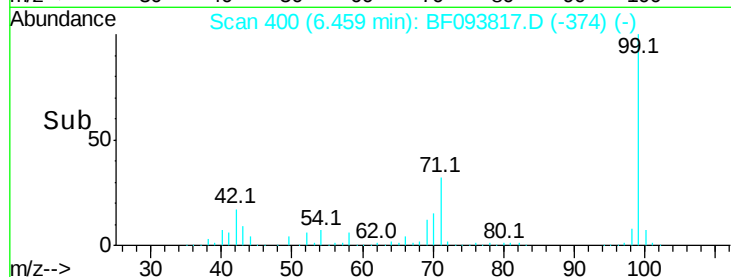
71 31.8 24.5 36.7



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: 2.21 ng

RT: 6.60 min Scan# 412

Delta R.T. 0.23 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

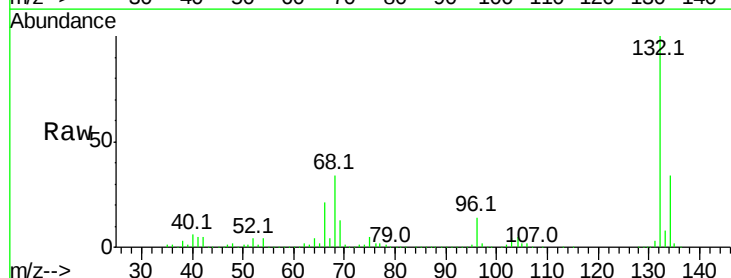
Tgt Ion: 77 Resp: 22604

Ion Ratio Lower Upper

77 100

105 91.1 83.8 123.8

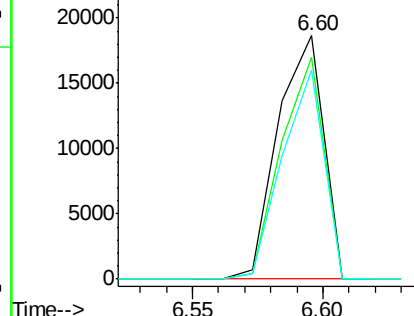
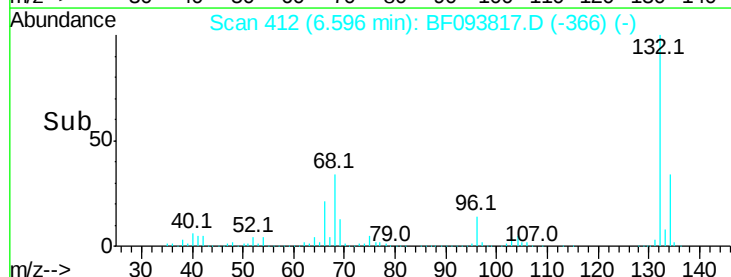
106 85.8 79.1 119.1

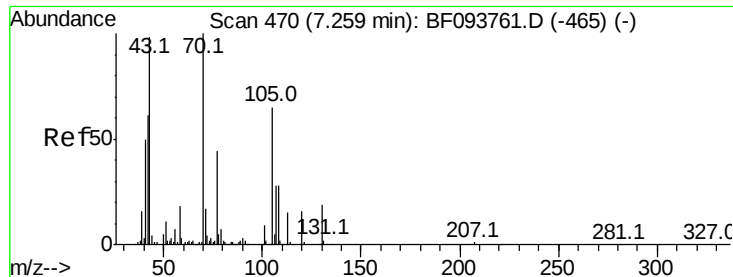


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

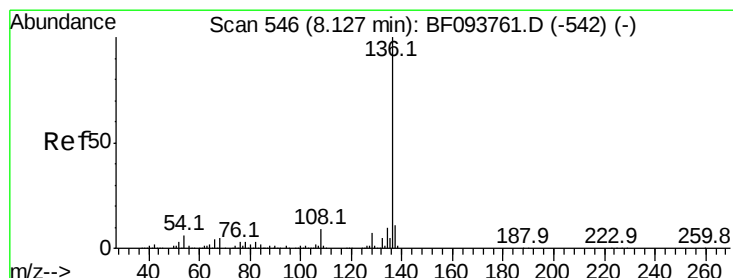
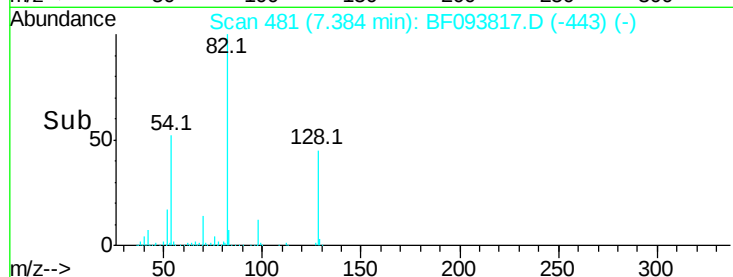
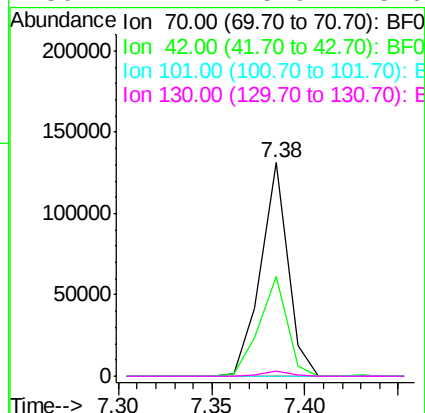
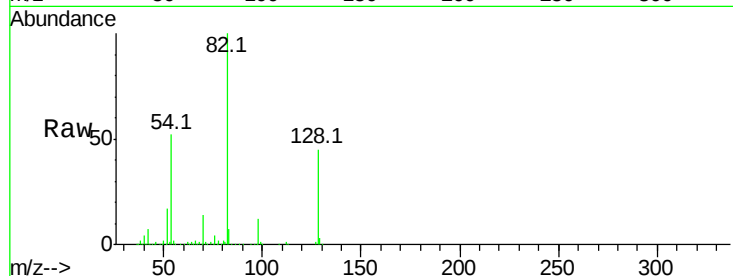




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.04 ng  
RT: 7.38 min Scan# 481  
Delta R.T. 0.14 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

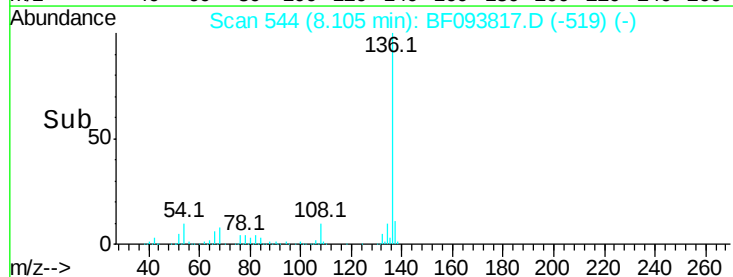
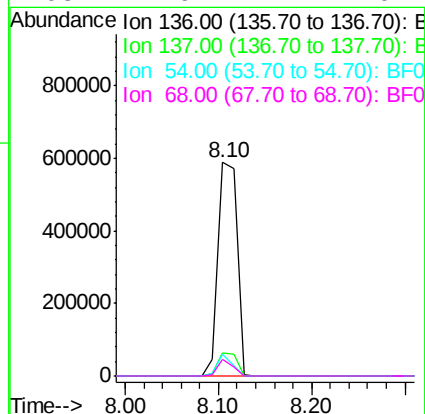
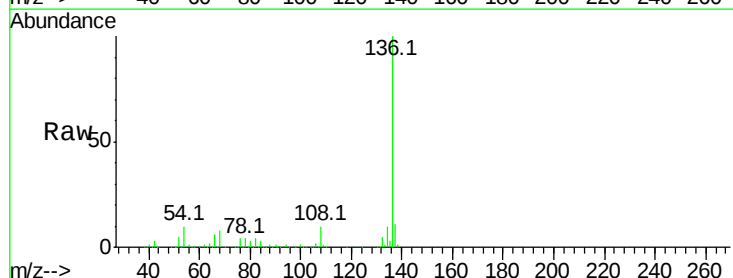
Instrument :  
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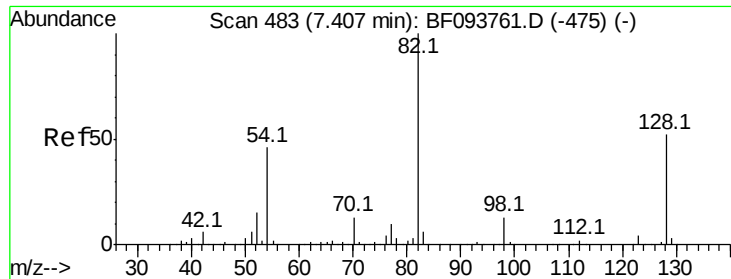
Tot Ion: 70 Resp: 133004  
Ion Ratio Lower Upper  
70 100  
42 46.8 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.1 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 544  
Delta R.T. -0.01 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Tgt Ion:136 Resp: 833247  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.5 12.7  
54 10.0 4.9 7.3#  
68 7.6 4.1 6.1#

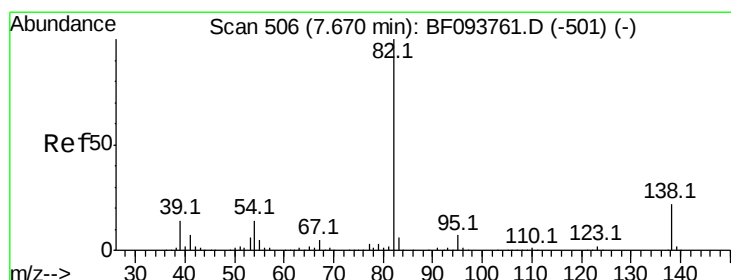
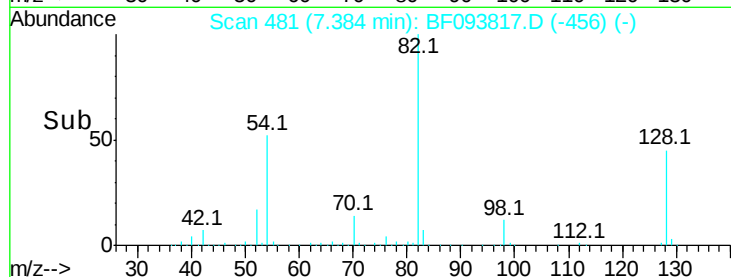
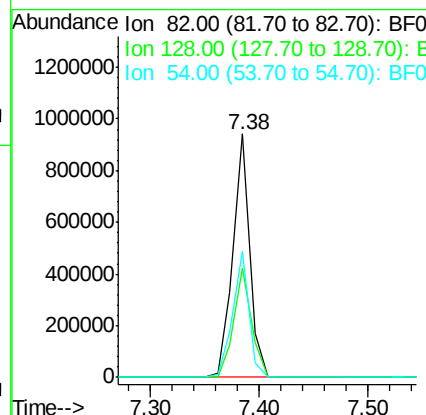
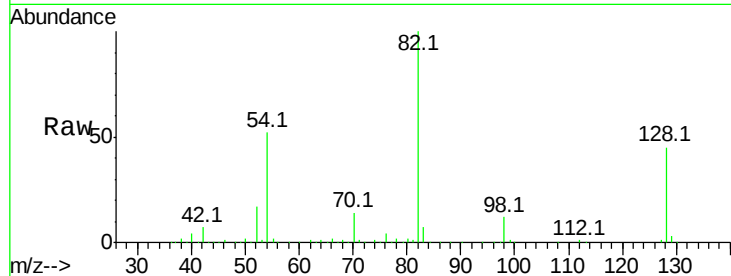




#23  
Nitrobenzene-d5  
Concen: 68.23 ng  
RT: 7.38 min Scan# 481  
Delta R.T. -0.01 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

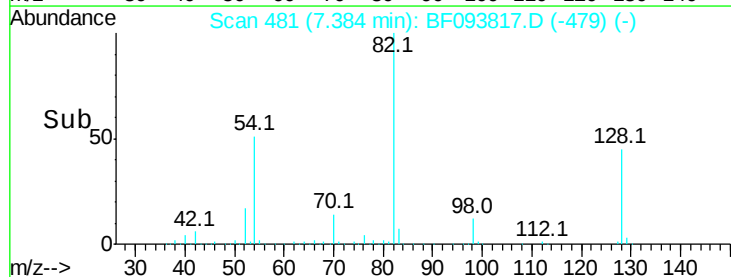
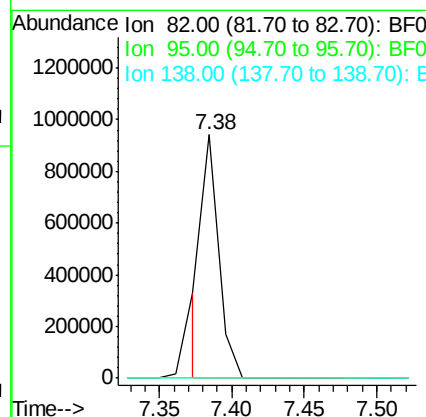
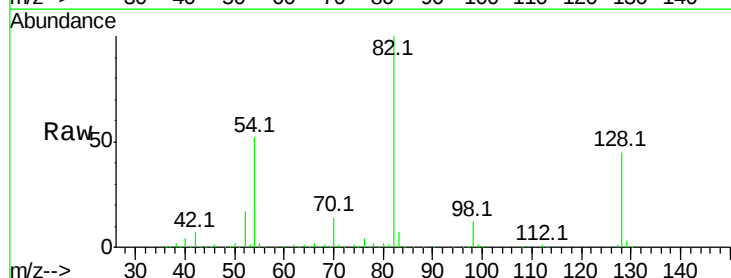
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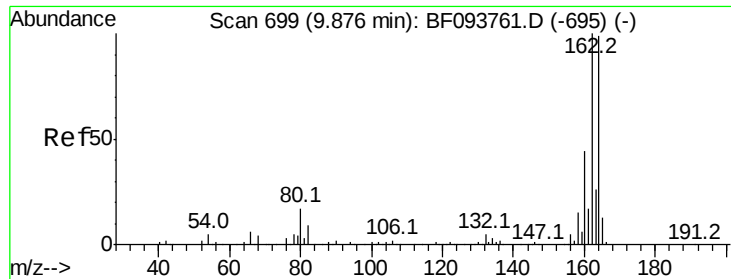
Tot Ion: 82 Resp: 1002180  
Ion Ratio Lower Upper  
82 100  
128 44.8 34.0 51.0  
54 51.5 42.2 63.2



#25  
Isophorone  
Concen: 29.46 ng  
RT: 7.38 min Scan# 481  
Delta R.T. -0.27 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Tgt Ion: 82 Resp: 766479  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.3 7.9#  
138 0.0 13.1 19.7#

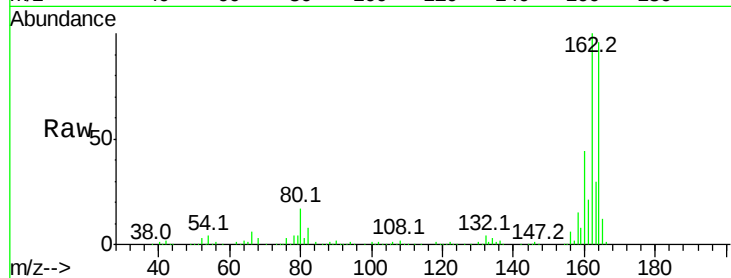




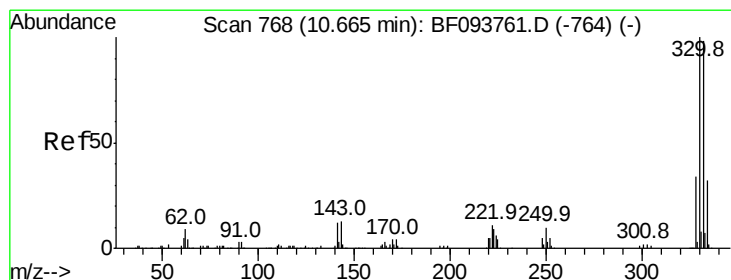
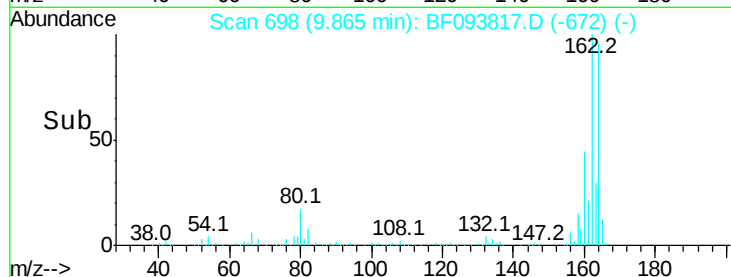
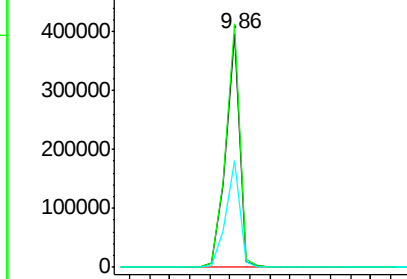
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.86 min Scan# 698  
Delta R.T. -0.00 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB97716BL

Tot Ion:164 Resp: 383775  
Ion Ratio Lower Upper  
164 100  
162 104.1 82.6 123.8  
160 45.7 36.2 54.2

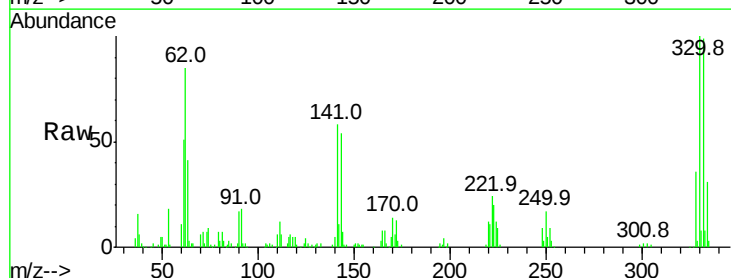


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

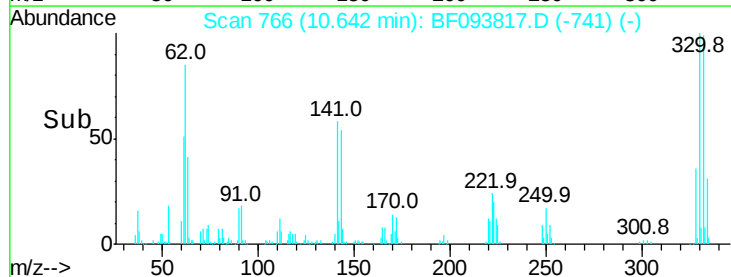
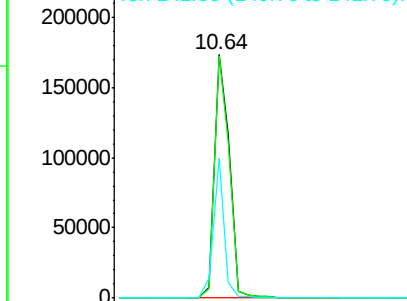


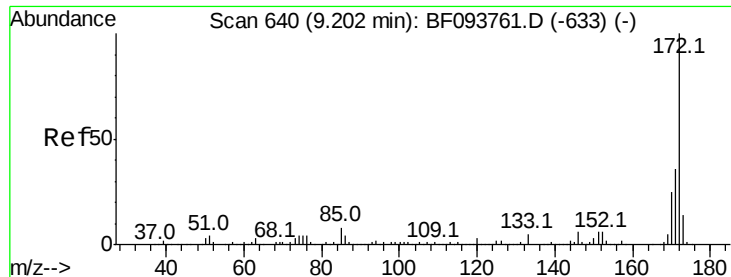
#41  
2,4,6-Tribromophenol  
Concen: 71.61 ng  
RT: 10.64 min Scan# 766  
Delta R.T. -0.01 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Tgt Ion:330 Resp: 212850  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.6 115.0  
141 41.6 31.4 47.2



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



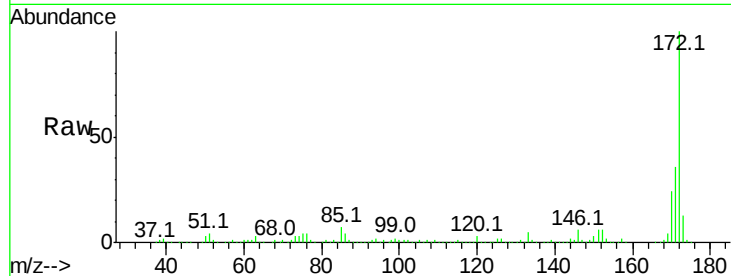


#44  
 2-Fluorobiphenyl  
 Concen: 79.37 ng  
 RT: 9.19 min Scan# 639  
 Delta R.T. -0.00 min  
 Lab File: BF093817.D  
 Acq: 22 Mar 2017 5:29

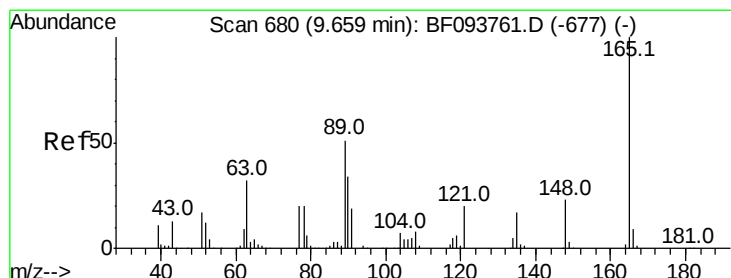
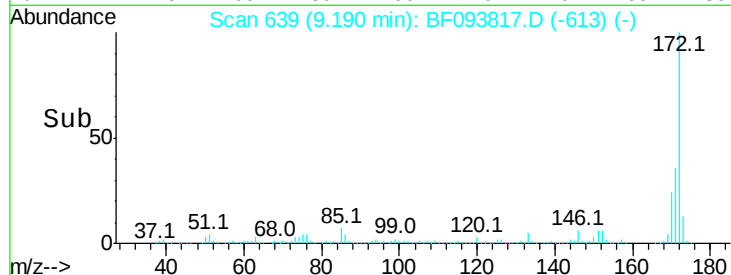
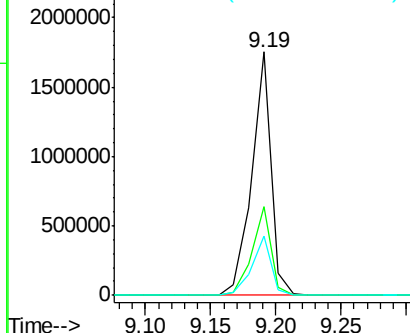
Instrument :  
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Tot Ion:172 Resp: 1811375  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.5  | 29.6  | 44.4  |
| 170 | 24.4  | 19.8  | 29.8  |



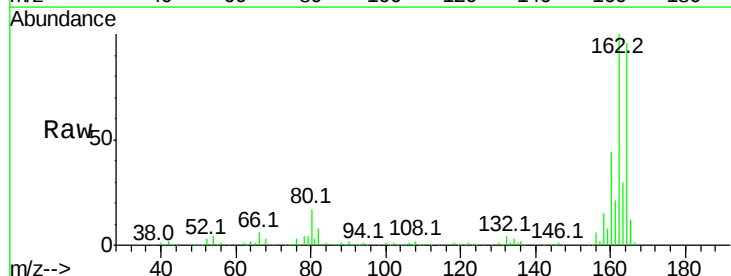
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



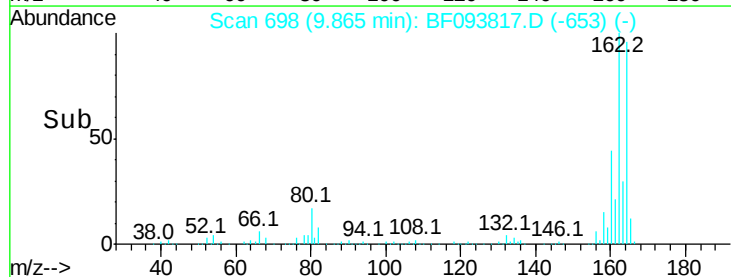
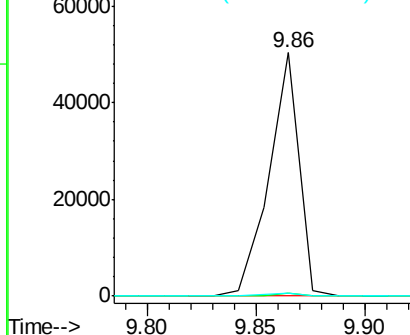
#50  
 2,6-Dinitrotoluene  
 Concen: 8.11 ng  
 RT: 9.86 min Scan# 698  
 Delta R.T. 0.22 min  
 Lab File: BF093817.D  
 Acq: 22 Mar 2017 5:29

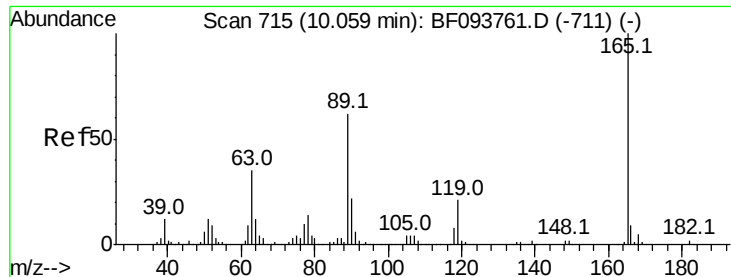
Tgt Ion:165 Resp: 48606  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.0   | 34.3  | 51.5# |
| 89  | 1.2   | 37.1  | 55.7# |



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

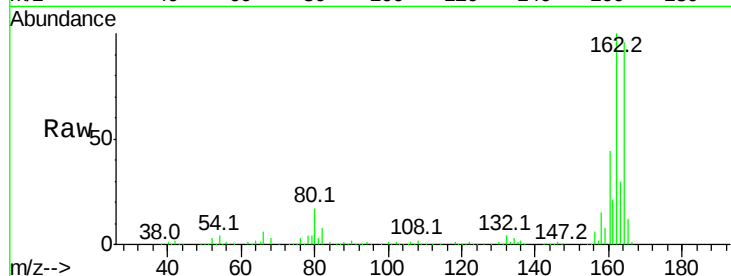




#56  
 2,4-Dinitrotoluene  
 Concen: 6.39 ng  
 RT: 9.86 min Scan# 698  
 Delta R.T. -0.18 min  
 Lab File: BF093817.D  
 Acq: 22 Mar 2017 5:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97716BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 25.4  | 38.0# |
| 89      | 1.2   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

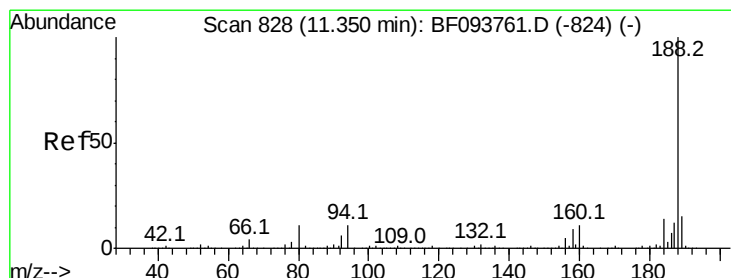
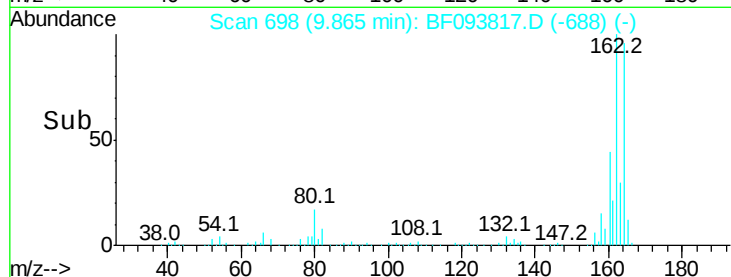
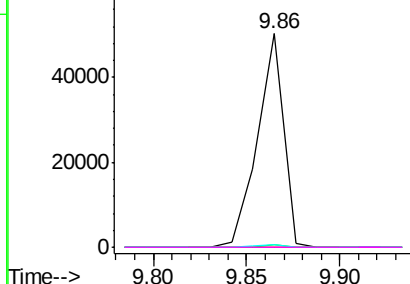


Abundance Ion 165.00 (164.70 to 165.70): E

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



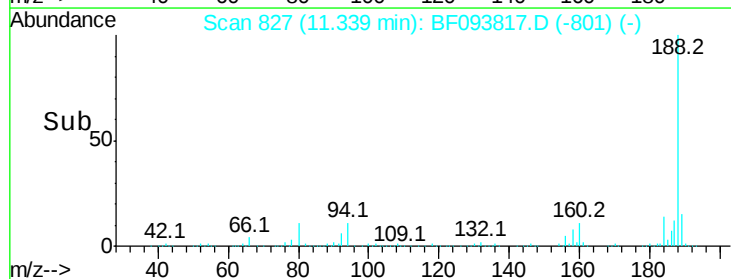
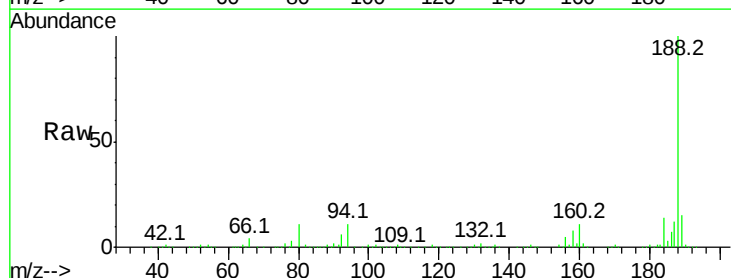
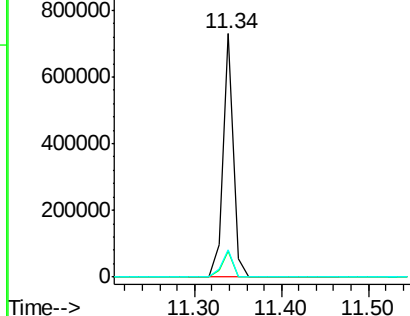
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 827  
 Delta R.T. -0.00 min  
 Lab File: BF093817.D  
 Acq: 22 Mar 2017 5:29

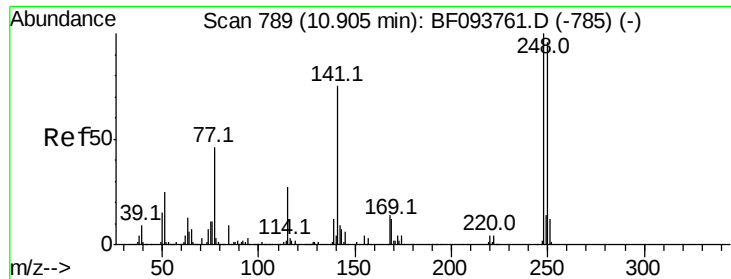
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.9  | 9.4   | 14.2  |
| 80      | 11.2  | 10.2  | 15.2  |

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

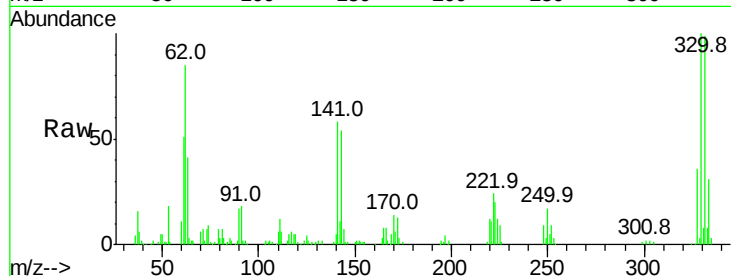




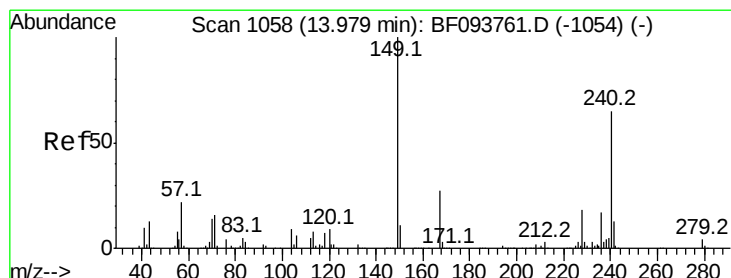
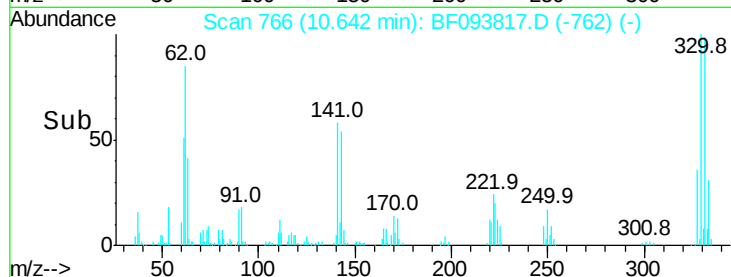
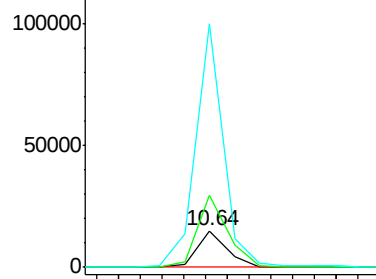
#66  
4-Bromophenyl-phenylether  
Concen: 2.48 ng  
RT: 10.64 min Scan# 766  
Delta R.T. -0.25 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB97716BL

Tot Ion:248 Resp: 14593  
Ion Ratio Lower Upper  
248 100  
250 194.7 76.8 115.2#  
141 661.2 68.6 103.0#

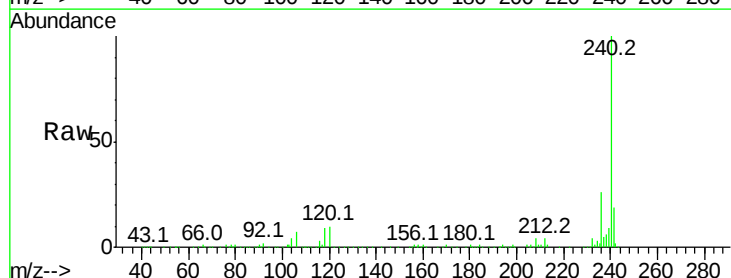


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

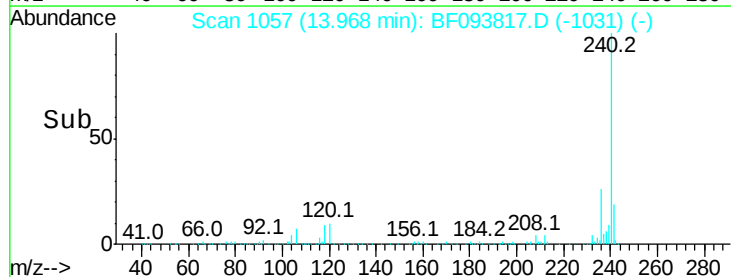
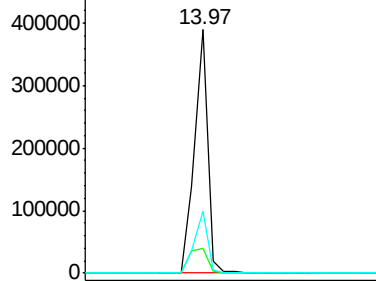


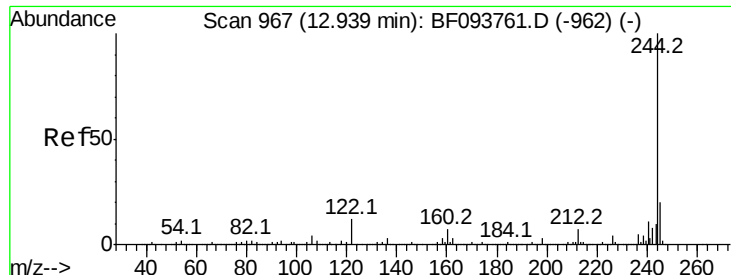
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1057  
Delta R.T. -0.00 min  
Lab File: BF093817.D  
Acq: 22 Mar 2017 5:29

Tgt Ion:240 Resp: 382242  
Ion Ratio Lower Upper  
240 100  
120 10.4 5.8 8.8#  
236 25.7 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: 67.74 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

Instrument :

BNA\_F

ClientSampleId :

PB97716BL

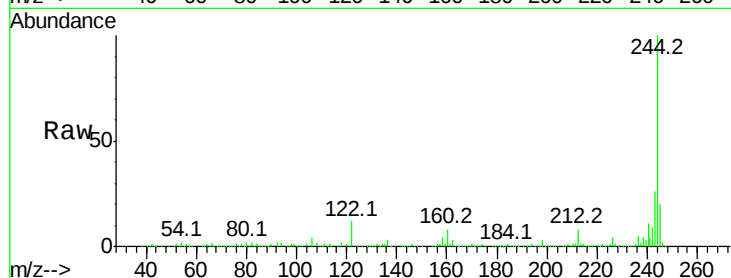
Tot Ion:244 Resp: 1269971

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

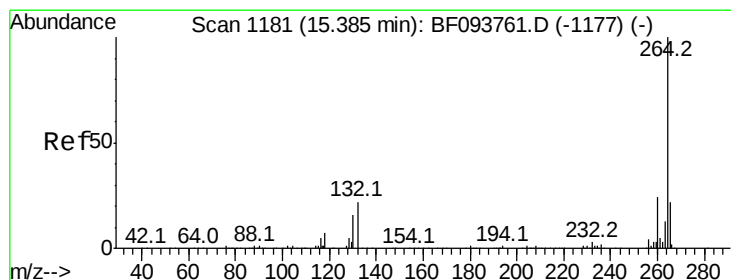
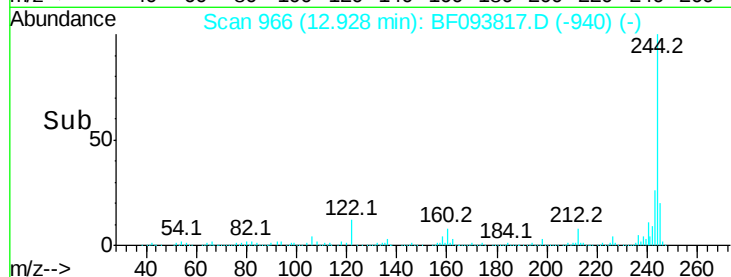
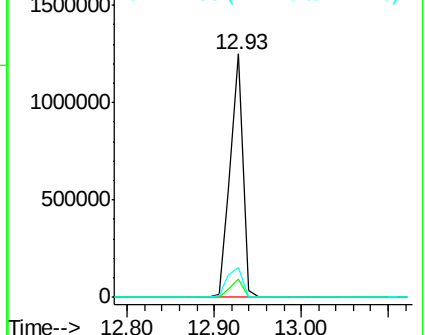
122 12.4 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF093817.D

Acq: 22 Mar 2017 5:29

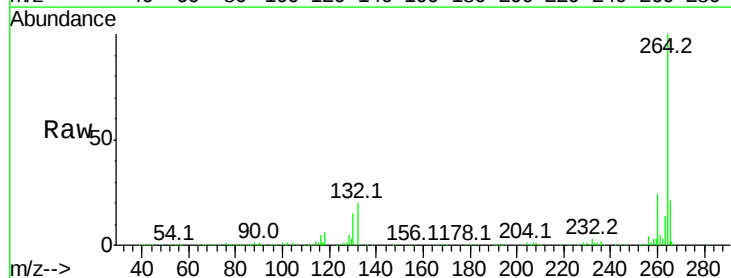
Tgt Ion:264 Resp: 344612

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.5 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

