

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
 Data File : BF093492.D  
 Acq On : 9 Mar 2017 23:02  
 Operator : SJ/MA  
 Sample : I2195-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5-TP-4-COMP-0-12FT

Quant Time: Mar 09 23:53:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

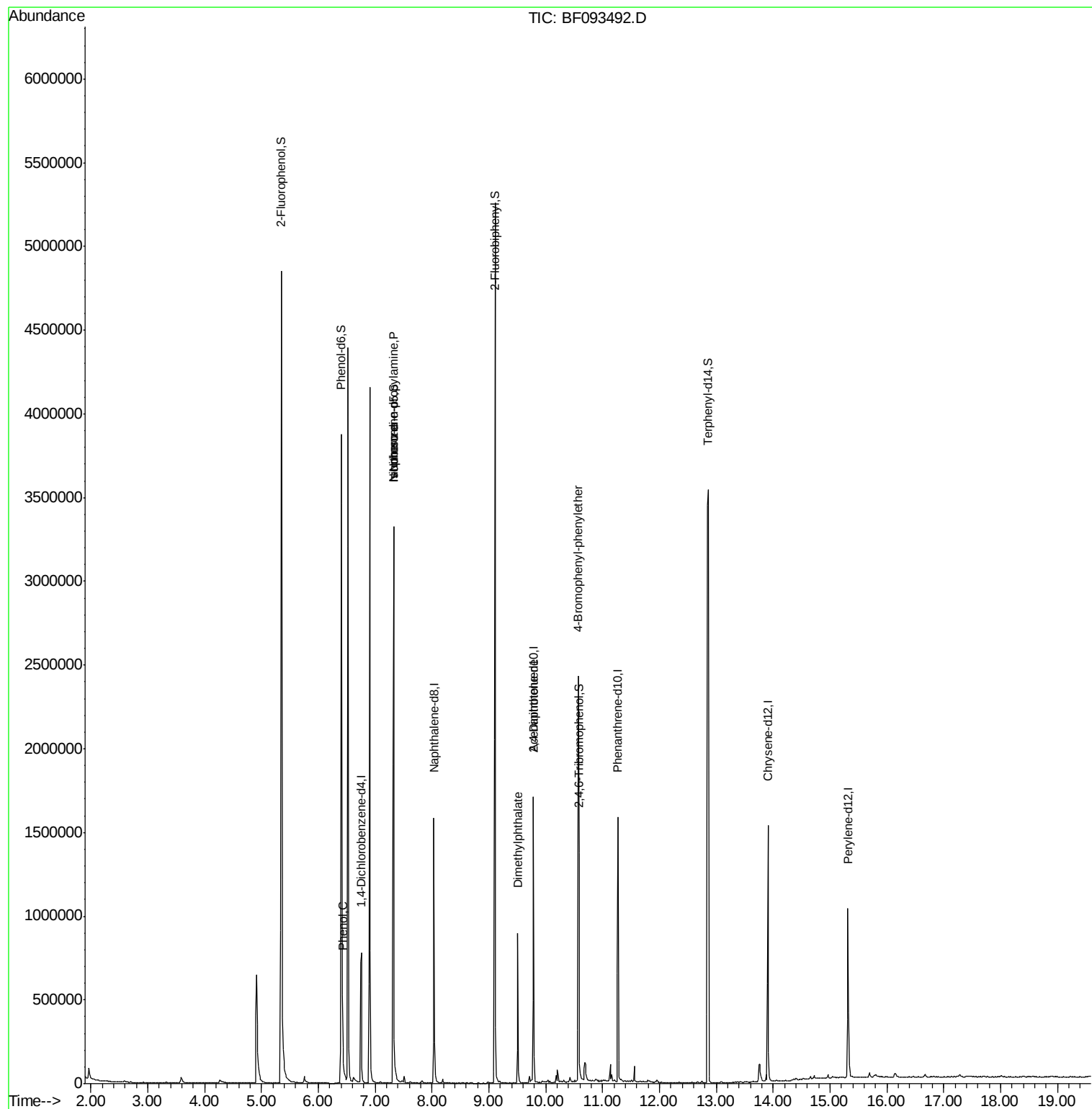
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 177758   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.04  | 136  | 717397   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.78  | 164  | 338689   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.27 | 188  | 639314   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.91 | 240  | 581402   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.32 | 264  | 434459   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 1485010  | 139.04    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 2012046  | 149.39    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 1352364  | 104.59    | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.58 | 330  | 359347   | 162.85    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.11  | 172  | 1761457  | 96.74     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.86 | 244  | 1680006  | 75.13     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.40  | 77   | 4107     | Below Cal | #     | 1        |
| 10) Phenol                     | 6.42  | 94   | 122763   | 7.44 ng   | #     | 71       |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 179805   | 19.42 ng  | #     | 79       |
| 25) Isophorone                 | 7.33  | 82   | 1344408  | 51.56 ng  | #     | 65       |
| 49) Dimethylphthalate          | 9.51  | 163  | 365058   | 16.26 ng  |       | 99       |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 44564    | 7.36 ng   | #     | 20       |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 24131    | 3.57 ng   | #     | 1        |

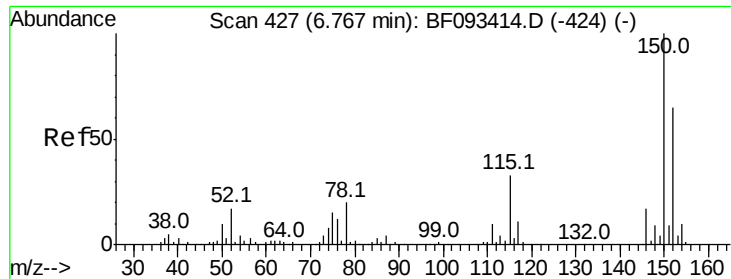
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

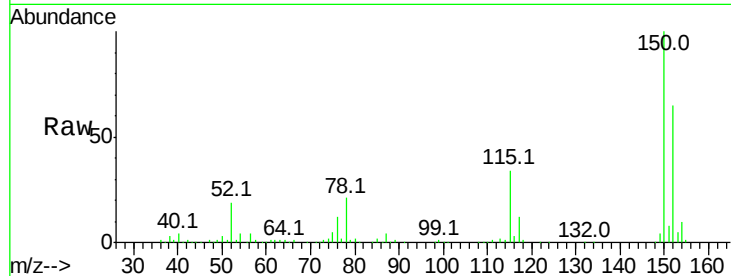
Tot Ion:152 Resp: 177758

Ion Ratio Lower Upper

152 100

150 153.8 124.9 187.3

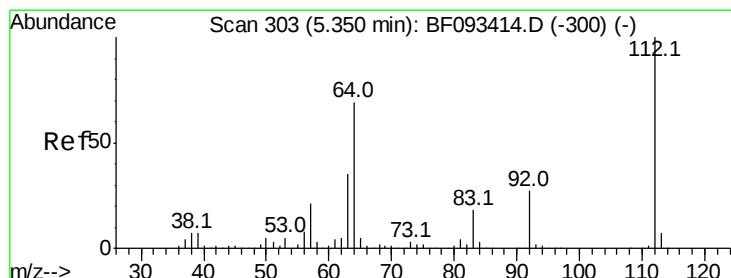
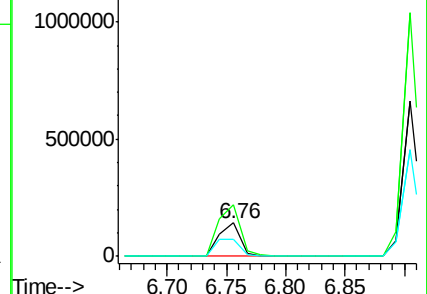
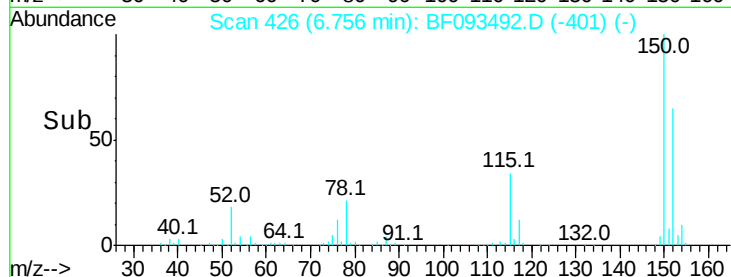
115 52.8 46.0 69.0



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: 139.04 ng

RT: 5.35 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

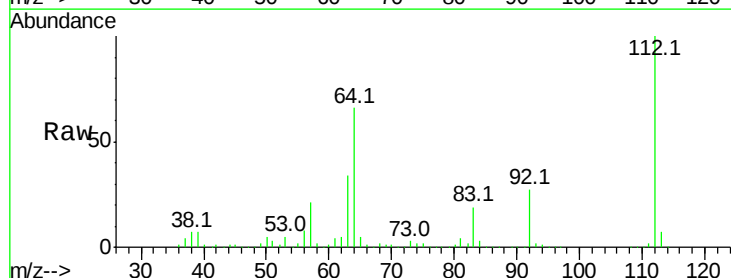
Tgt Ion:112 Resp: 1485010

Ion Ratio Lower Upper

112 100

64 66.0 46.1 69.1

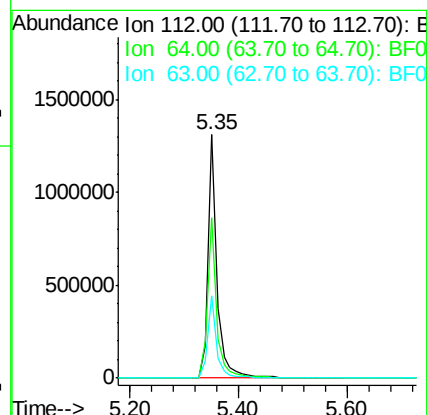
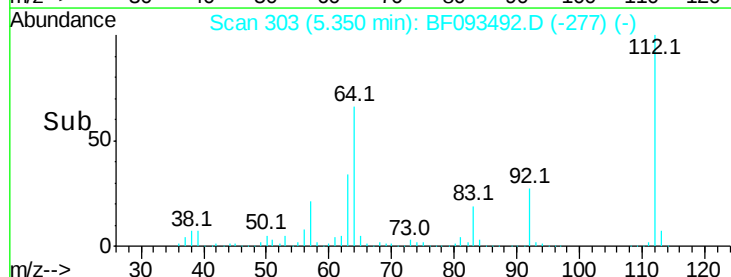
63 33.6 23.8 35.6

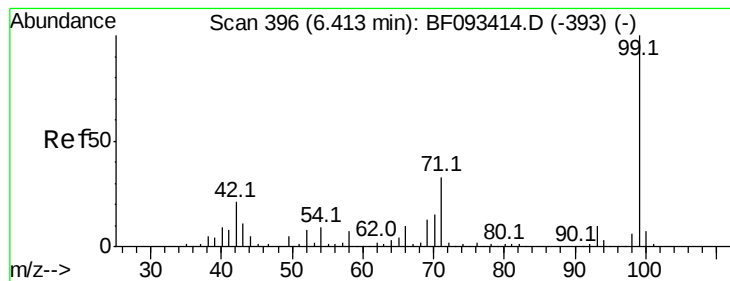


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.39 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

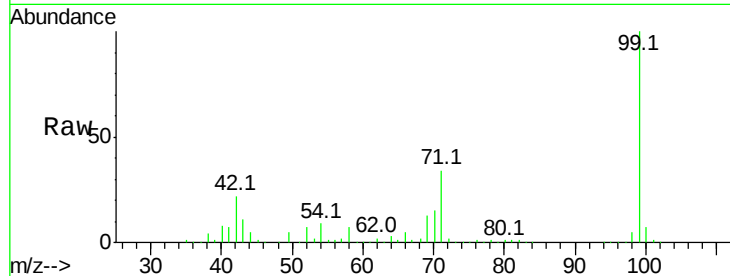
Tot Ion: 99 Resp: 2012046

Ion Ratio Lower Upper

99 100

42 22.0 15.6 23.4

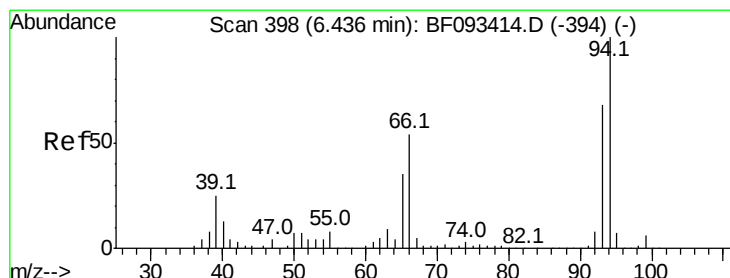
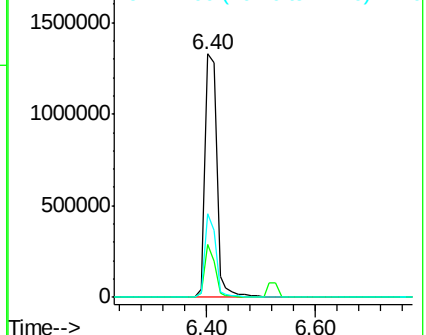
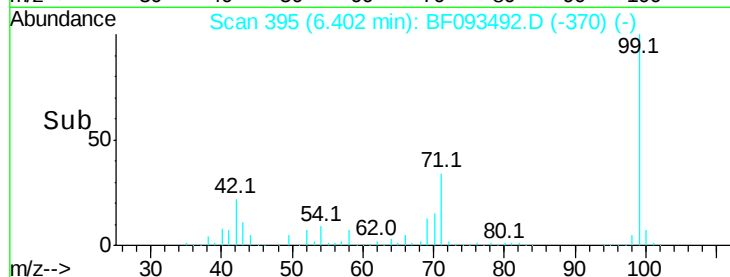
71 34.2 27.5 41.3



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



#10

Phenol

Concen: 7.44 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

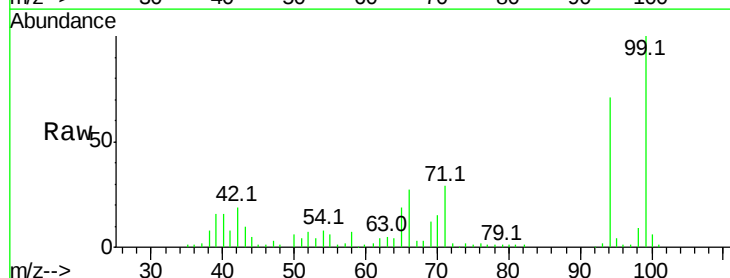
Tgt Ion: 94 Resp: 122763

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

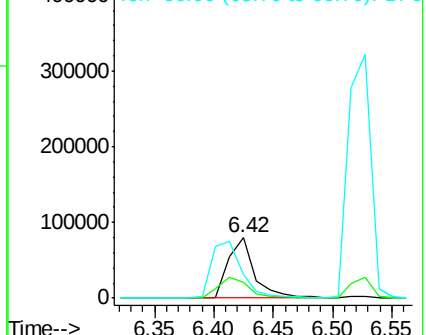
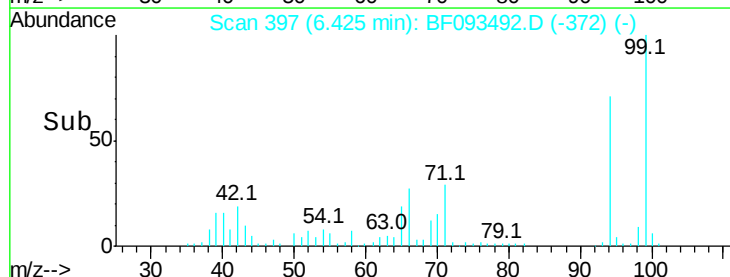
66 38.5 44.0 84.0#

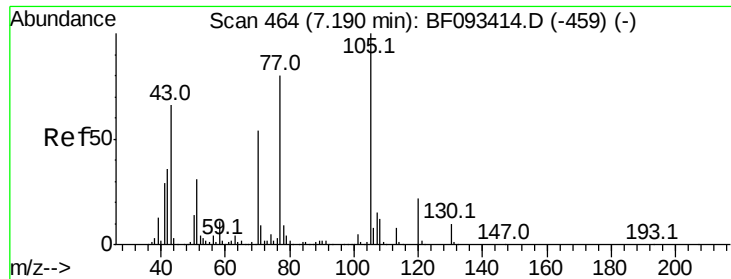


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

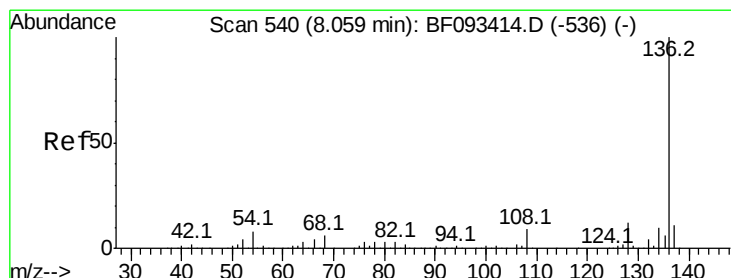
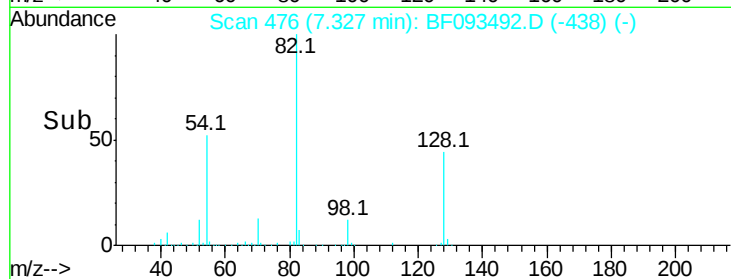
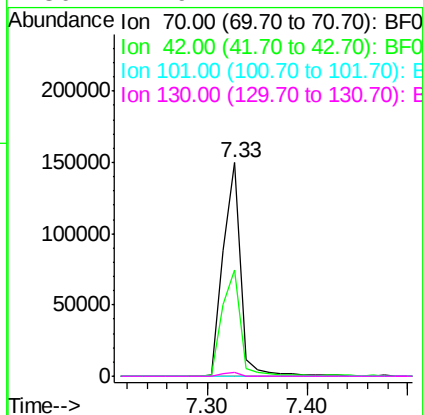
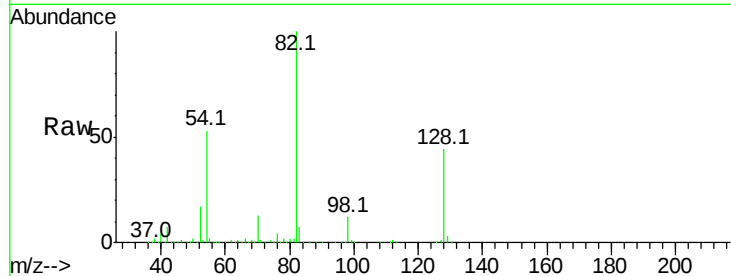




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.42 ng  
RT: 7.33 min Scan# 476  
Delta R.T. 0.14 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

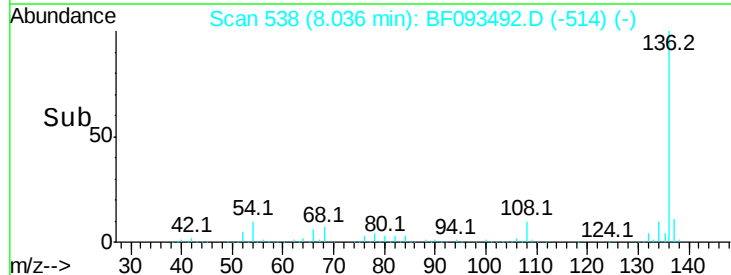
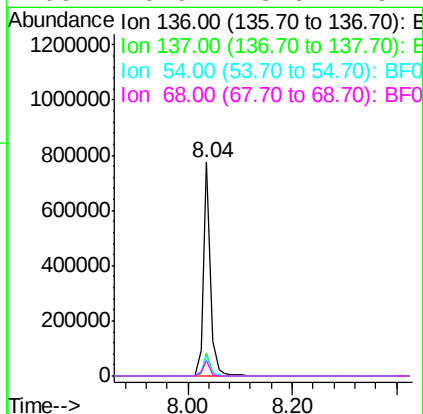
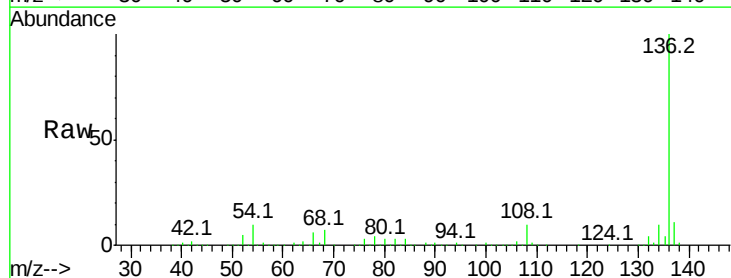
Instrument :  
BNA\_F  
ClientSampleId :  
TP-5-TP-4-COMP-0-12FT

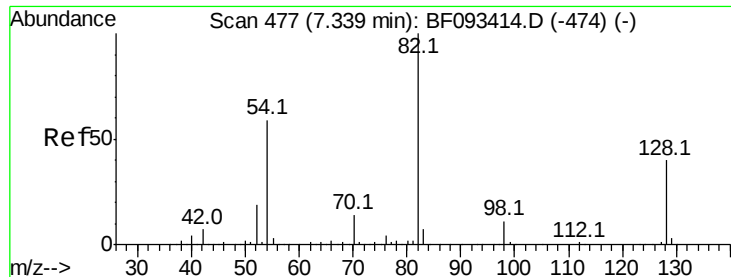
Tot Ion: 70 Resp: 179805  
Ion Ratio Lower Upper  
70 100  
42 49.7 49.4 74.0  
101 0.0 7.4 11.2#  
130 1.9 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 538  
Delta R.T. -0.02 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

Tgt Ion:136 Resp: 717397  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 9.9 4.5 6.7#  
68 6.9 3.6 5.4#

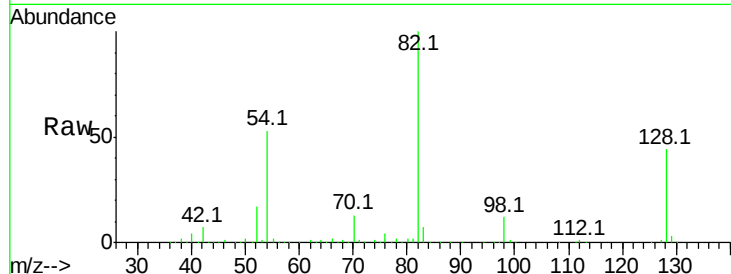




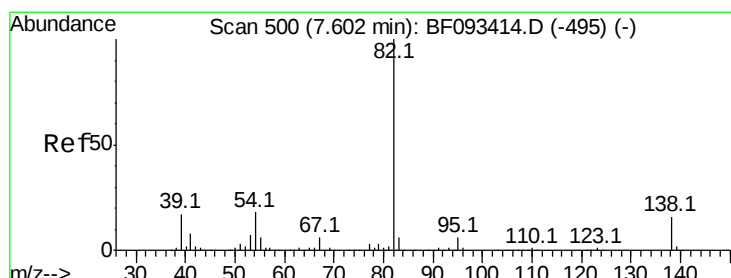
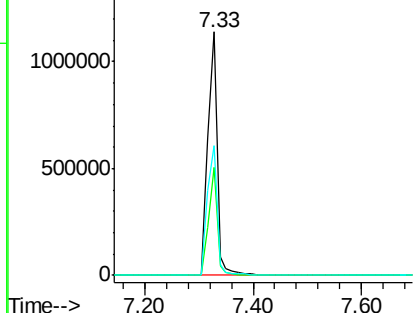
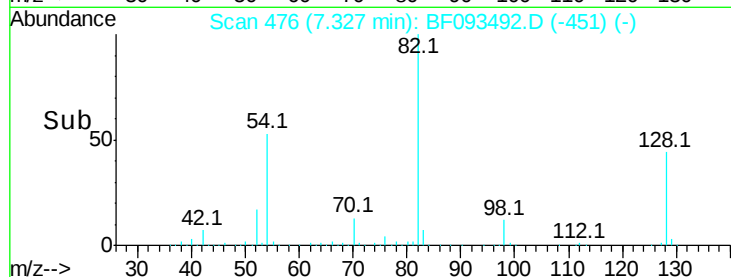
#23  
Nitrobenzene-d5  
Concen: 104.59 ng  
RT: 7.33 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5-TP-4-COMP-0-12FT

Tot Ion: 82 Resp: 1352364  
Ion Ratio Lower Upper  
82 100  
128 44.4 34.6 52.0  
54 53.4 39.5 59.3

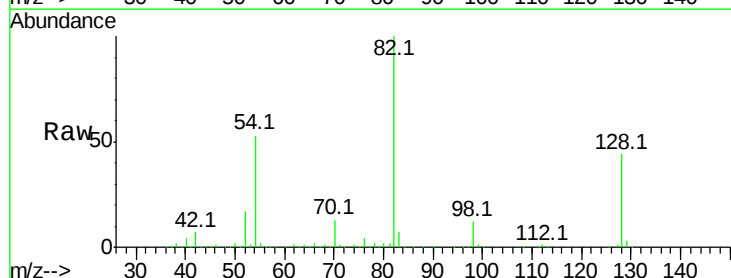


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

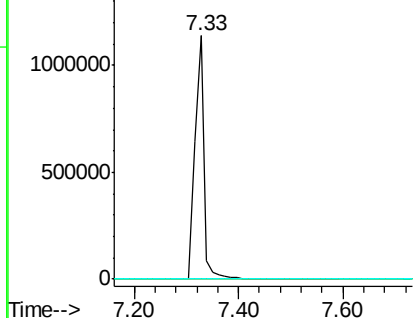
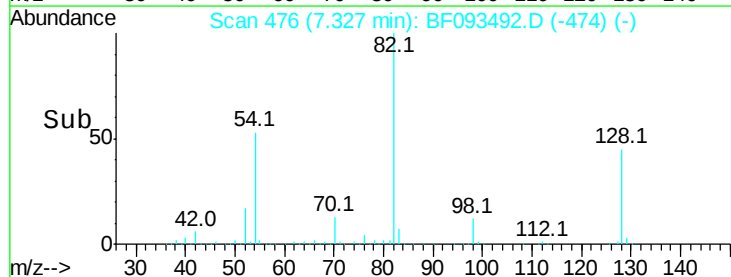


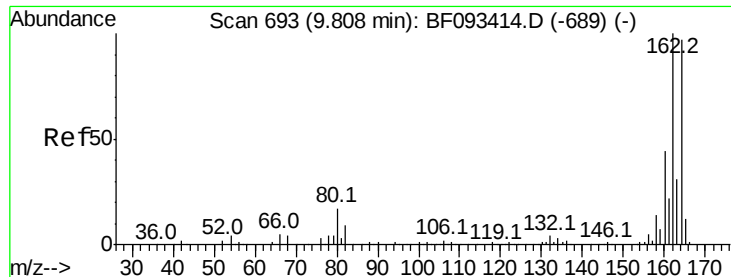
#25  
Isophorone  
Concen: 51.56 ng  
RT: 7.33 min Scan# 476  
Delta R.T. -0.27 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

Tgt Ion: 82 Resp: 1344408  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

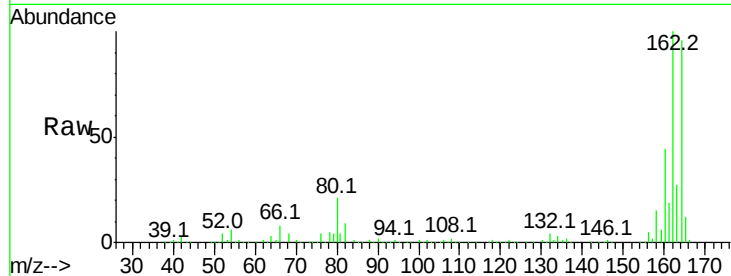




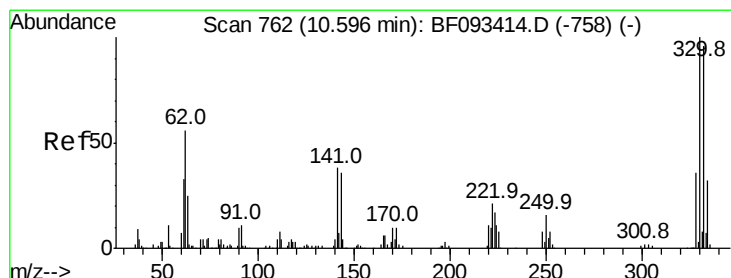
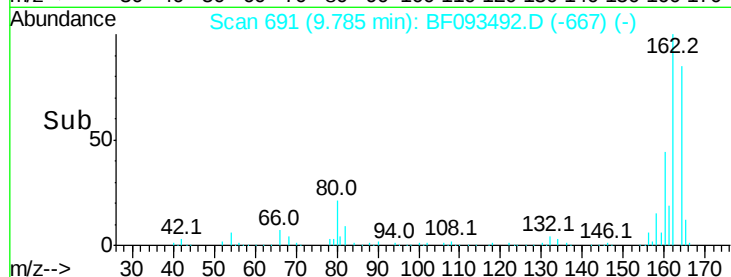
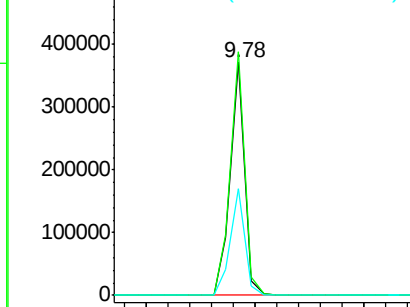
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.78 min Scan# 691  
Delta R.T. -0.02 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5-TP-4-COMP-0-12FT

Tot Ion:164 Resp: 338689  
Ion Ratio Lower Upper  
164 100  
162 104.5 80.2 120.2  
160 45.7 36.9 55.3

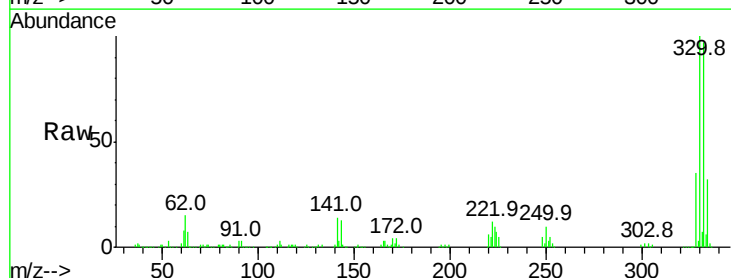


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

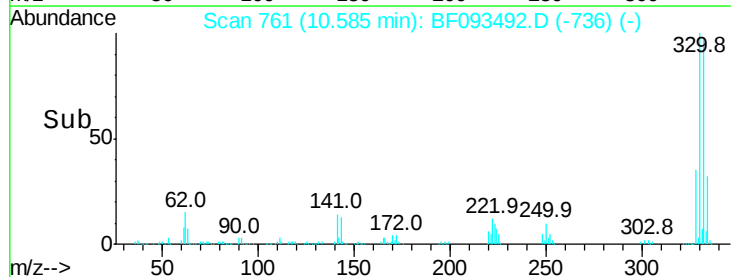
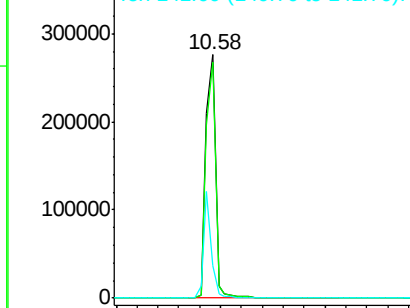


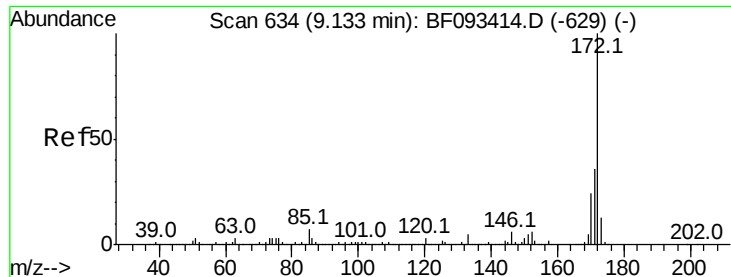
#41  
2,4,6-Tribromophenol  
Concen: 162.85 ng  
RT: 10.58 min Scan# 761  
Delta R.T. -0.01 min  
Lab File: BF093492.D  
Acq: 9 Mar 2017 23:02

Tgt Ion:330 Resp: 359347  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.4 116.2  
141 35.0 34.1 51.1



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: 96.74 ng

RT: 9.11 min Scan# 632

Delta R.T. -0.02 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

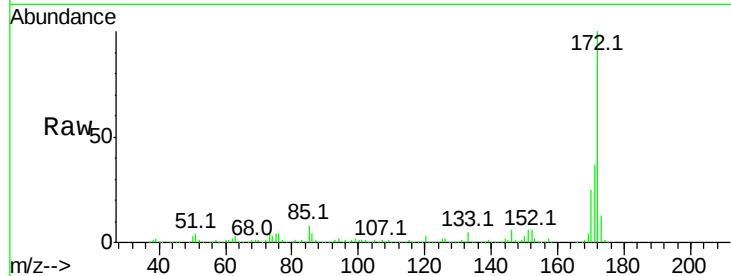
BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

Tot Ion:172 Resp: 1761457

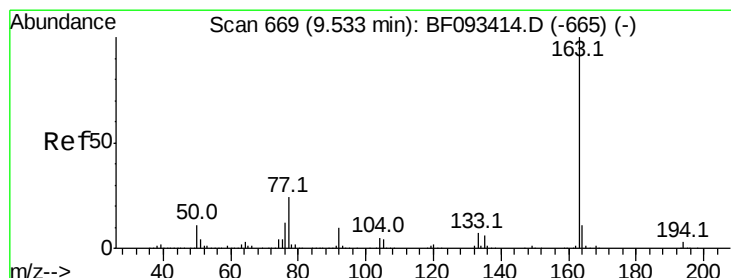
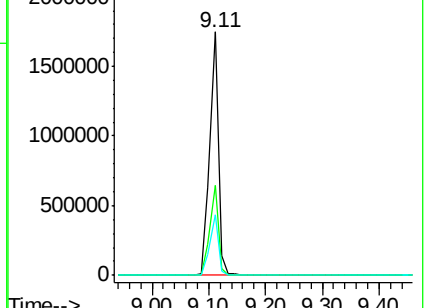
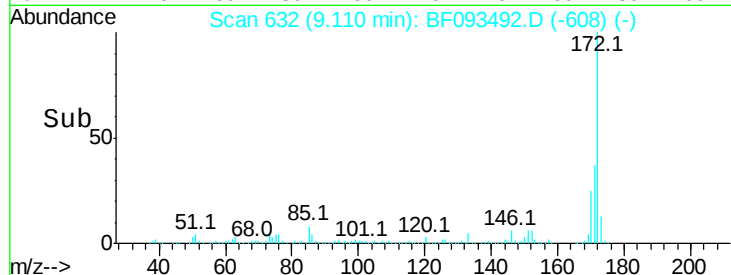
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 29.4  | 44.0  |
| 170 | 24.8  | 20.2  | 30.4  |



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: 16.26 ng

RT: 9.51 min Scan# 667

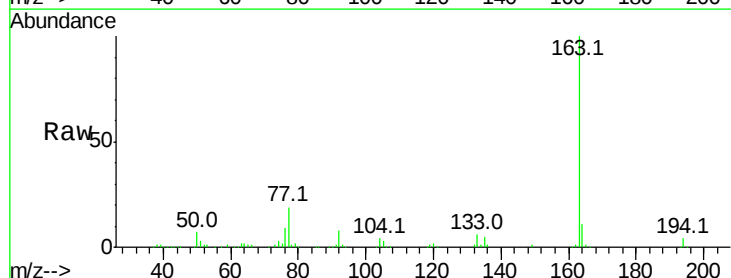
Delta R.T. -0.02 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Tgt Ion:163 Resp: 365058

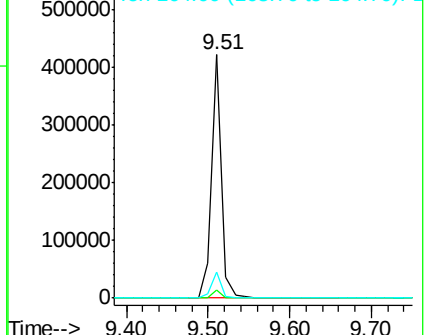
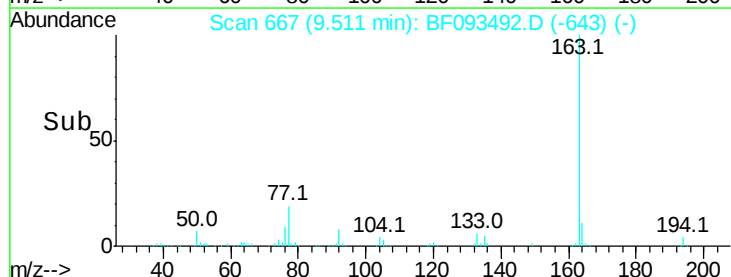
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 3.0   | 4.4   |
| 164 | 10.6  | 8.0   | 12.0  |

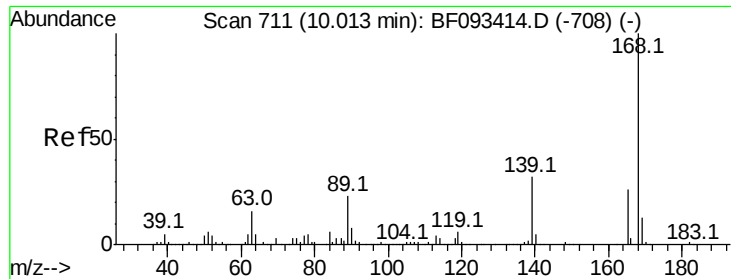


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.36 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.23 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

Tot Ion:165 Resp: 44564

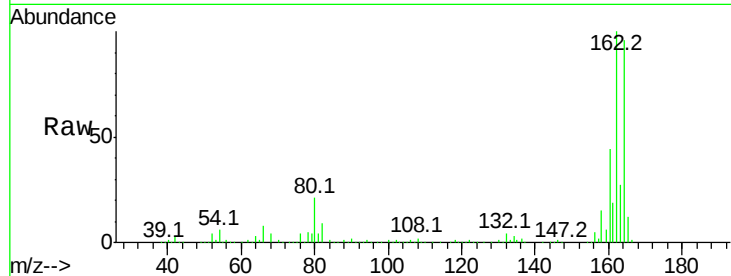
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

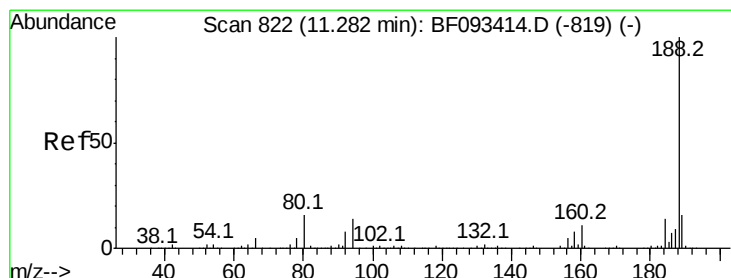
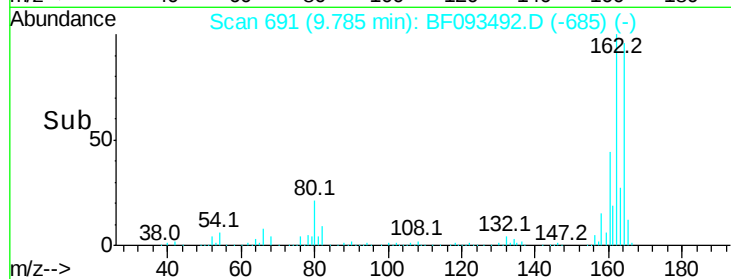
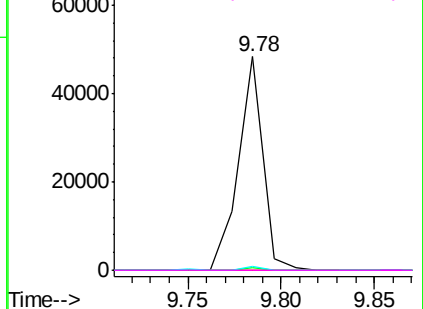


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.30): BF0

Ion 89.00 (88.70 to 89.30): BF0

Ion 182.00 (181.70 to 182.30): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

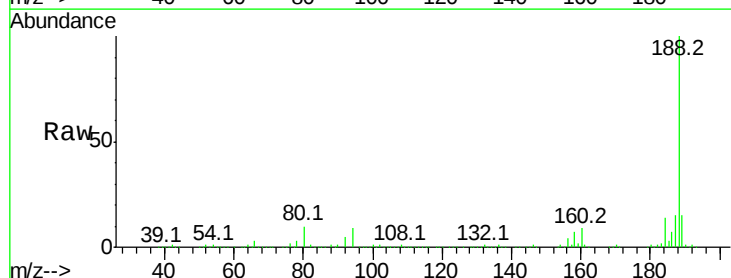
Tgt Ion:188 Resp: 639314

Ion Ratio Lower Upper

188 100

94 9.4 10.0 15.0#

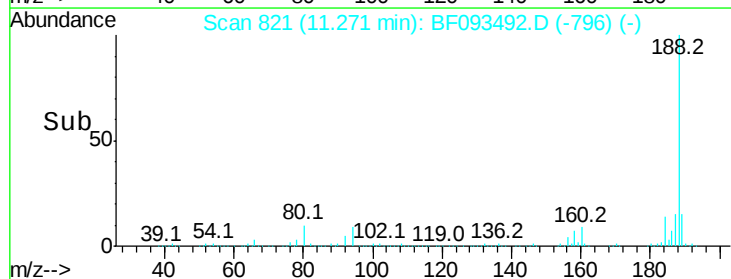
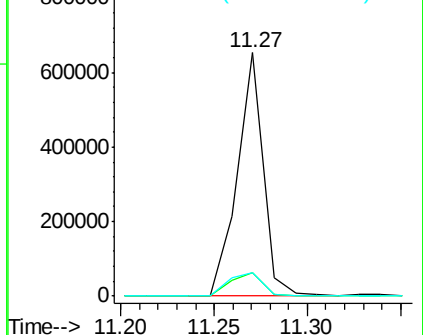
80 9.6 11.2 16.8#

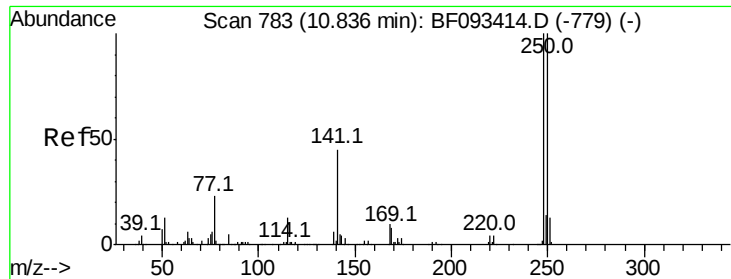


Abundance Ion 188.00 (187.70 to 188.30): E

Ion 94.00 (93.70 to 94.30): BF0

Ion 80.00 (79.70 to 80.30): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.57 ng

RT: 10.57 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

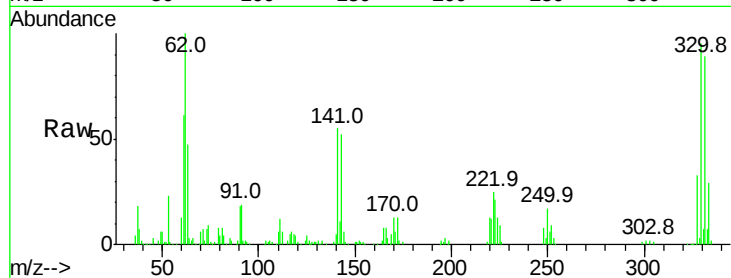
Tot Ion:248 Resp: 24131

Ion Ratio Lower Upper

248 100

250 203.2 76.9 115.3#

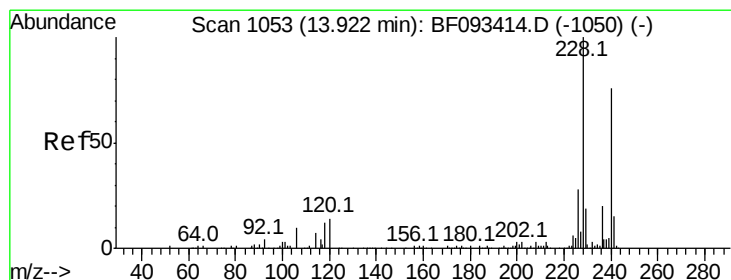
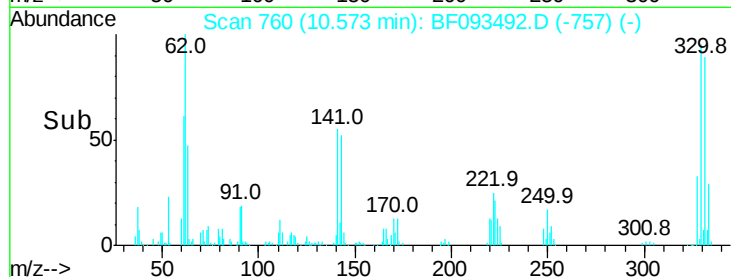
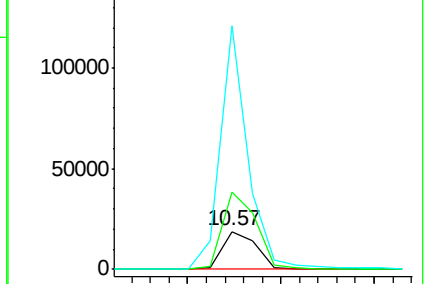
141 644.5 68.2 102.4#



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: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

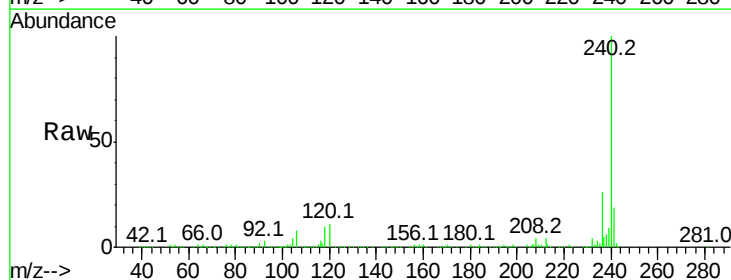
Tgt Ion:240 Resp: 581402

Ion Ratio Lower Upper

240 100

120 11.1 12.9 19.3#

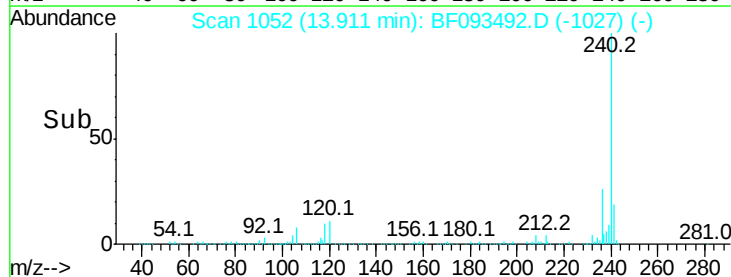
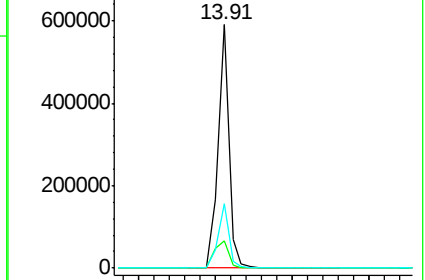
236 26.5 20.9 31.3

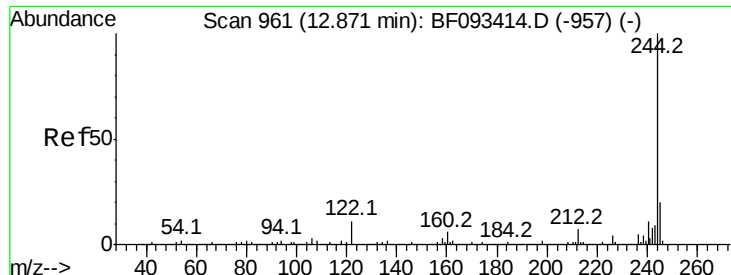


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.13 ng

RT: 12.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

Instrument :

BNA\_F

ClientSampleId :

TP-5-TP-4-COMP-0-12FT

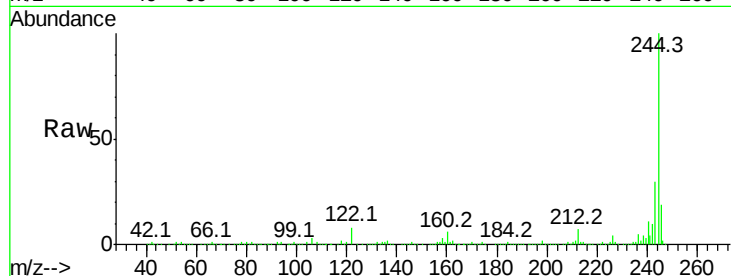
Tot Ion:244 Resp: 1680006

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

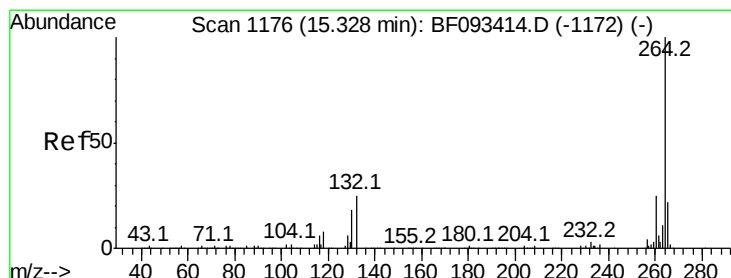
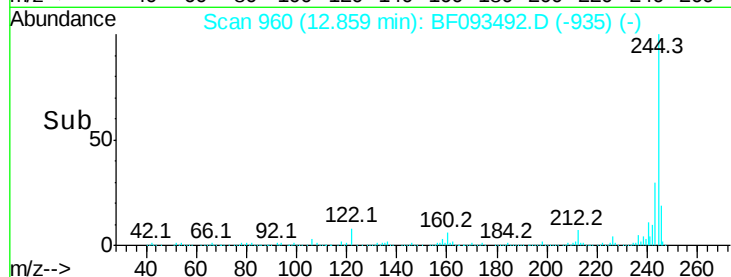
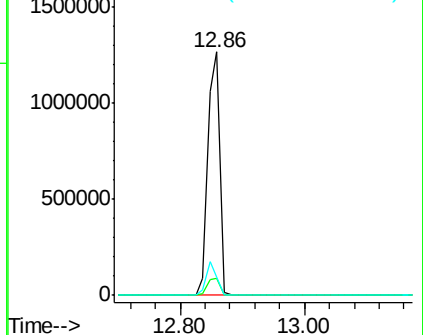
122 7.6 11.4 17.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF093492.D

Acq: 9 Mar 2017 23:02

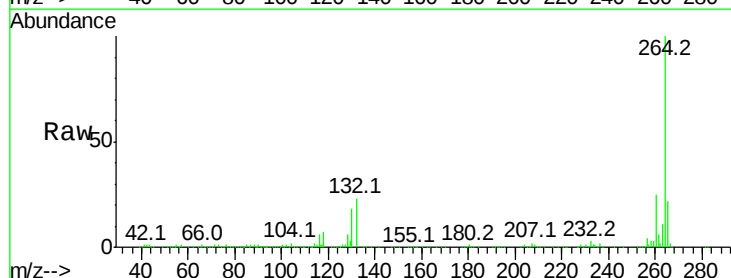
Tgt Ion:264 Resp: 434459

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.7 17.4 26.0



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

