

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\  
 Data File : BF097773.D  
 Acq On : 17 Aug 2017 7:46  
 Operator : SJ/JU  
 Sample : I4792-10  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

Quant Time: Aug 17 08:33:58 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

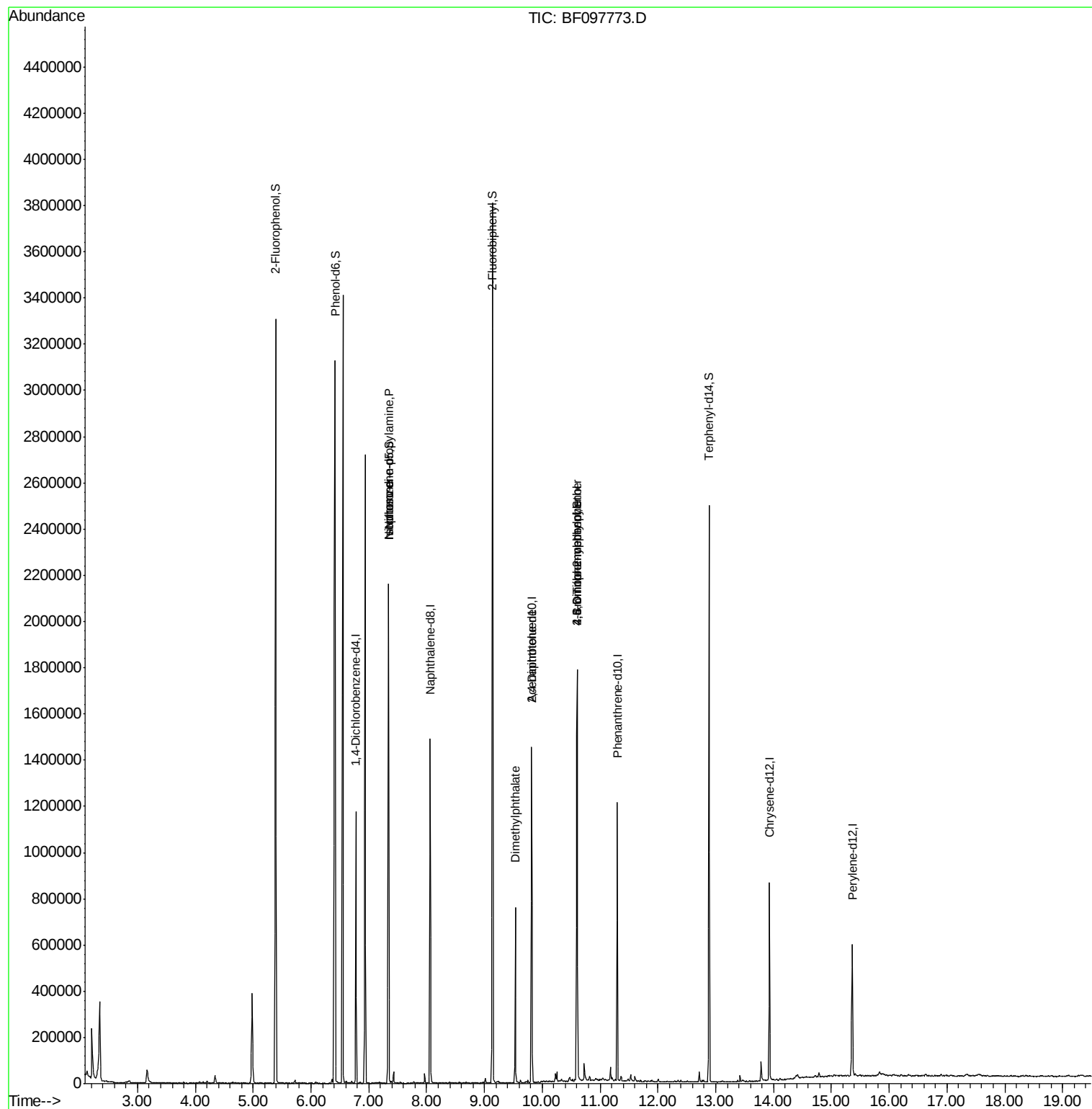
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.78  | 152  | 152787   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.06  | 136  | 580092   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.82  | 164  | 240117   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 368635   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.93 | 240  | 284573   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.36 | 264  | 239879   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 980389   | 97.60 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 1321085  | 96.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.35  | 82   | 805634   | 75.45 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 192213   | 92.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1219210  | 74.60 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.89 | 244  | 696047   | 51.01 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 110080   | 11.78 | ng    | # 71     |
| 25) Isophorone                 | 7.35  | 82   | 803094   | 36.17 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.53  | 163  | 244686   | 13.94 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 30100    | 6.85  | ng    | # 34     |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 317      | 8.47  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 12604    | 3.29  | ng    | # 1      |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\  
Data File : BF097773.D  
Acq On : 17 Aug 2017 7:46  
Operator : SJ/JU  
Sample : I4792-10  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP

Quant Time: Aug 17 08:33:58 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 15 13:25:08 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

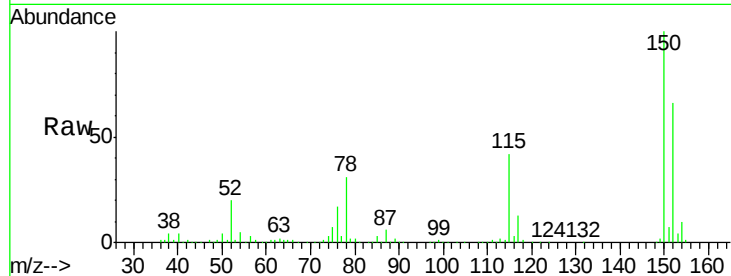
Tot Ion:152 Resp: 152787

Ion Ratio Lower Upper

152 100

150 152.7 126.2 189.2

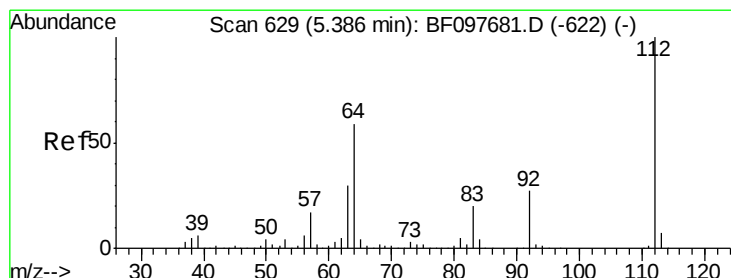
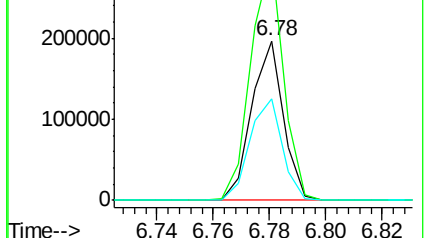
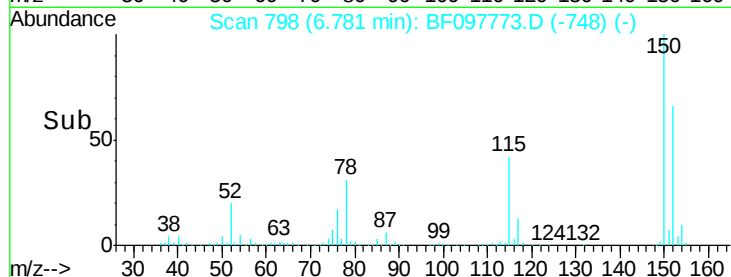
115 63.9 52.2 78.2



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: 97.60 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

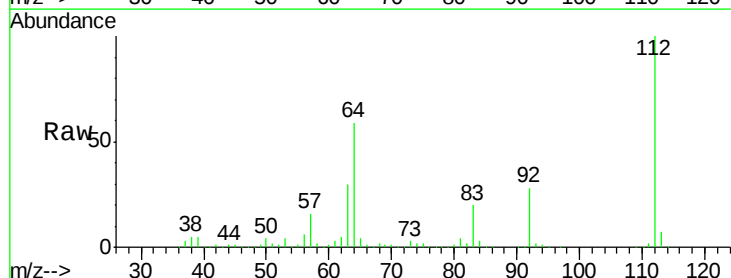
Tgt Ion:112 Resp: 980389

Ion Ratio Lower Upper

112 100

64 59.1 46.0 69.0

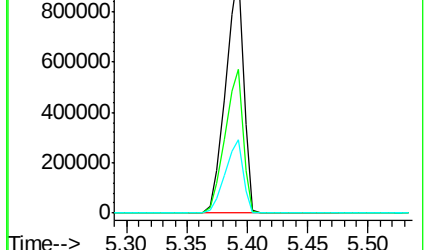
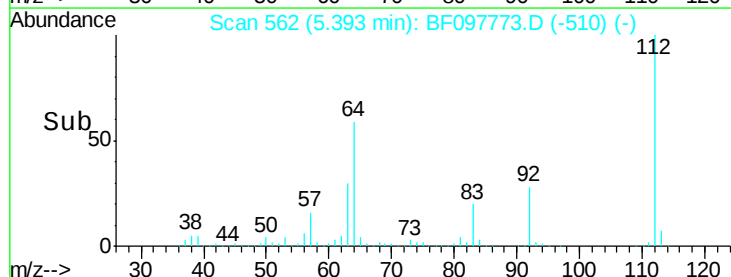
63 30.0 23.4 35.0

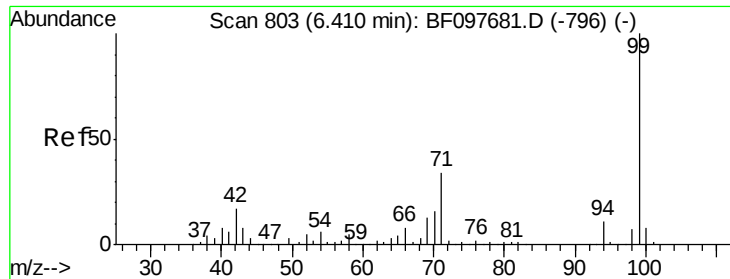


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.80 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

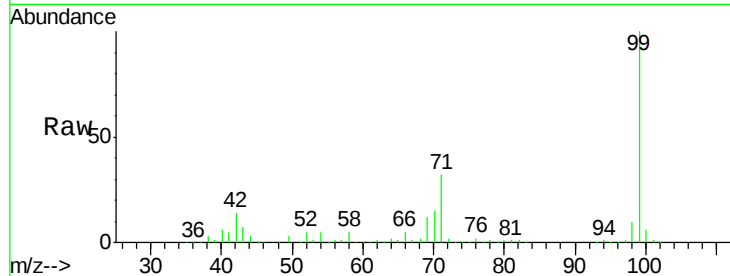
Tot Ion: 99 Resp: 1321085

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

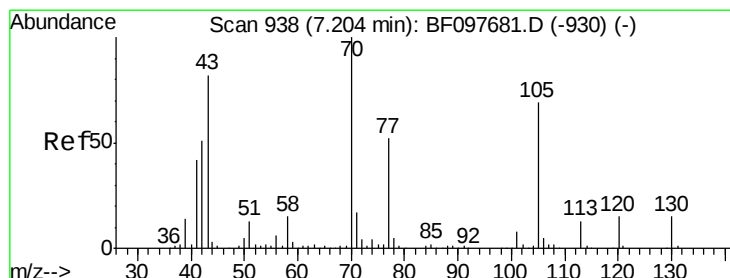
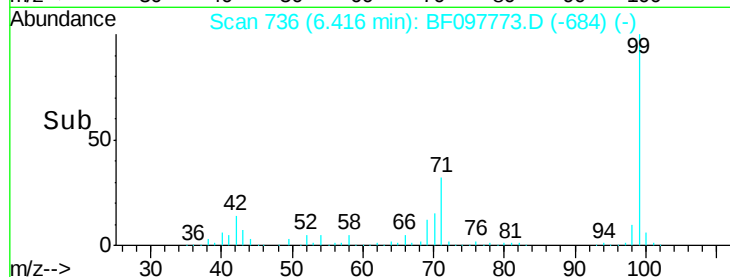
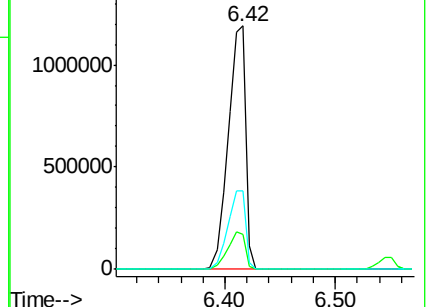
71 32.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.78 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Tgt Ion: 70 Resp: 110080

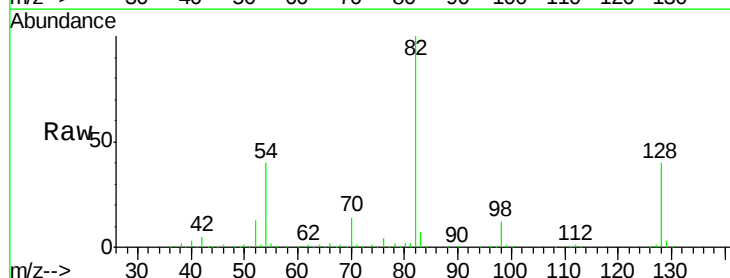
Ion Ratio Lower Upper

70 100

42 39.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

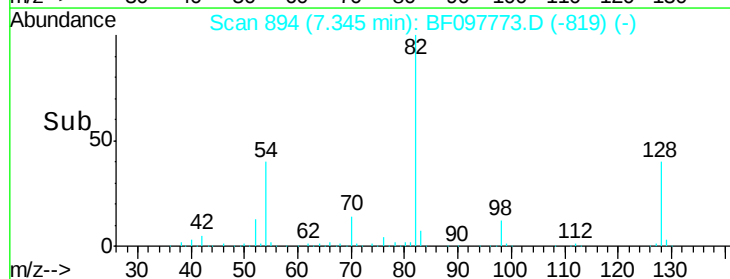
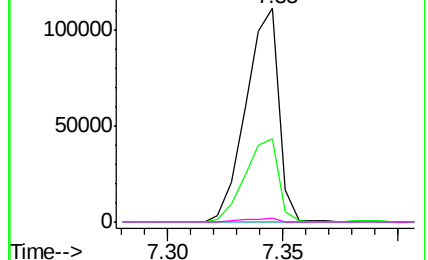


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

Tot Ion:136 Resp: 580092

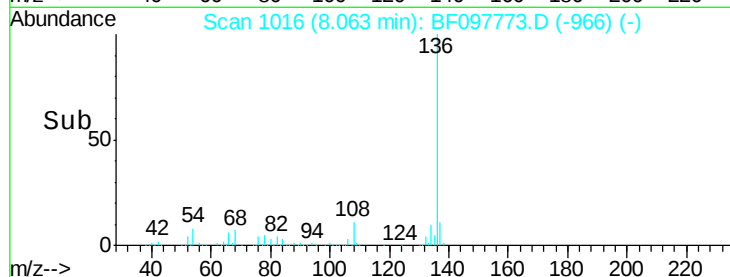
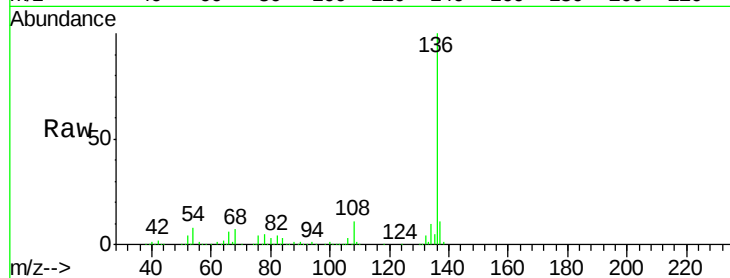
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.6 4.9 7.3#

68 7.5 4.1 6.1#



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

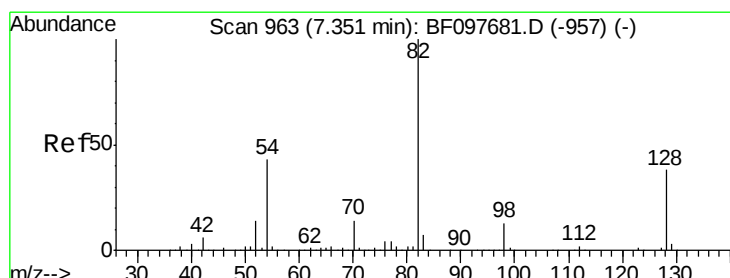
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

8.06

8.00 8.05 8.10 8.15



#23

Nitrobenzene-d5

Concen: 75.45 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

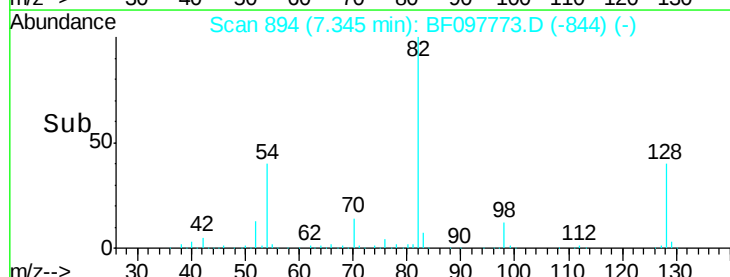
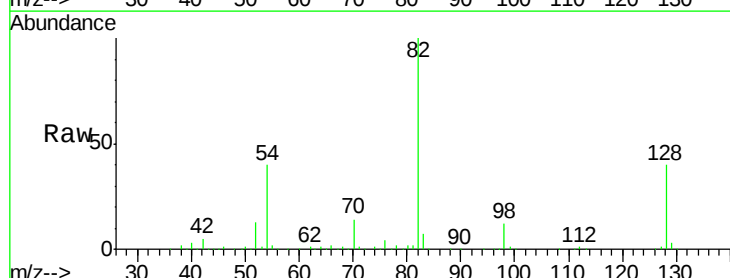
Tgt Ion: 82 Resp: 805634

Ion Ratio Lower Upper

82 100

128 39.7 34.0 51.0

54 40.1 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

7.35

7.30 7.35 7.40



#25

Isophorone

Concen: 36.17 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

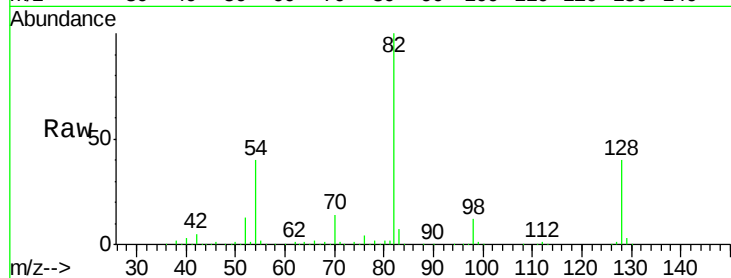
Tot Ion: 82 Resp: 803094

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

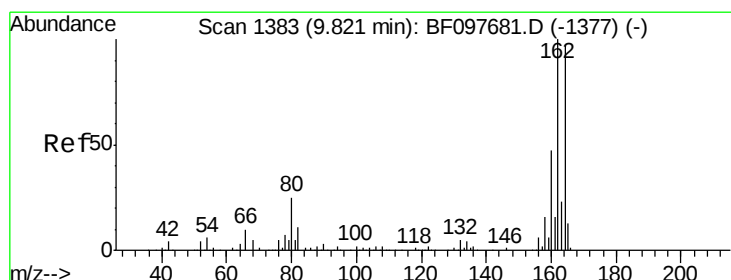
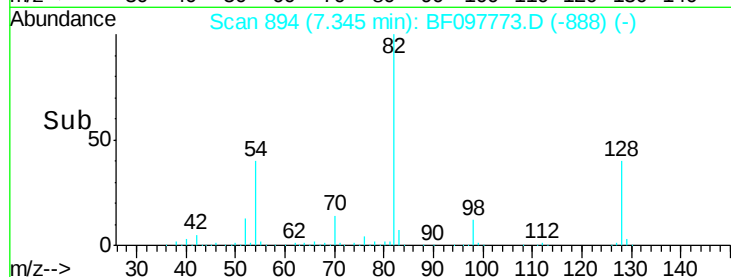
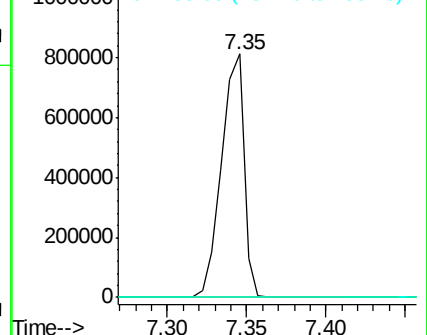
138 0.0 13.1 19.7#



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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

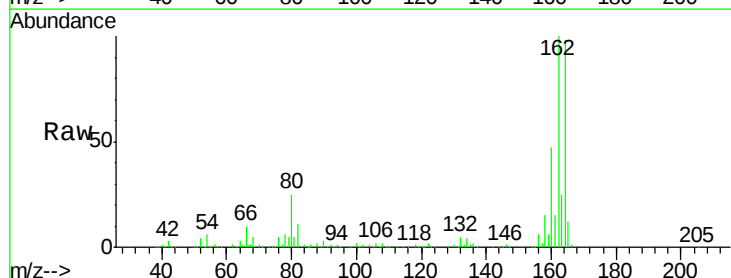
Tgt Ion:164 Resp: 240117

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

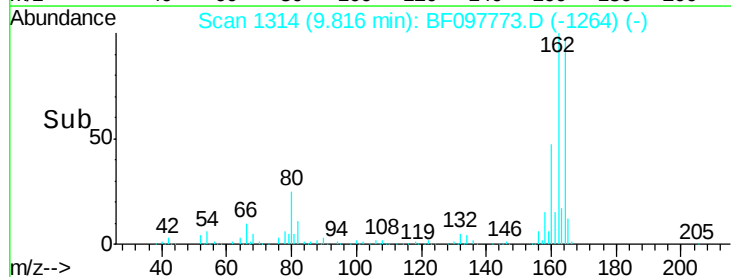
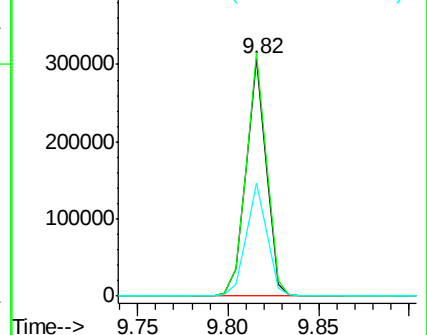
160 47.8 36.2 54.2

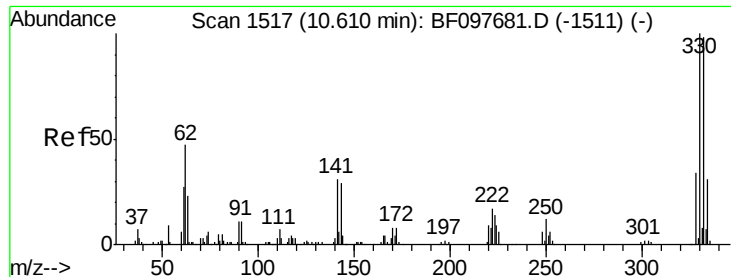


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 92.26 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

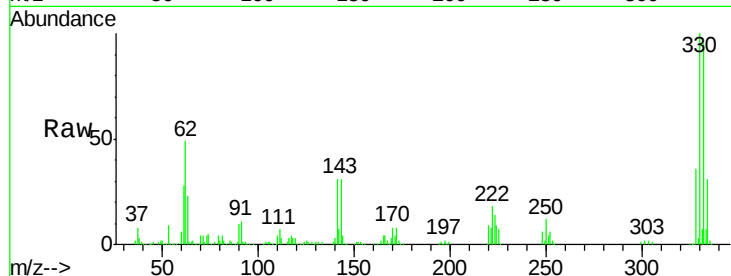
Tot Ion:330 Resp: 192213

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

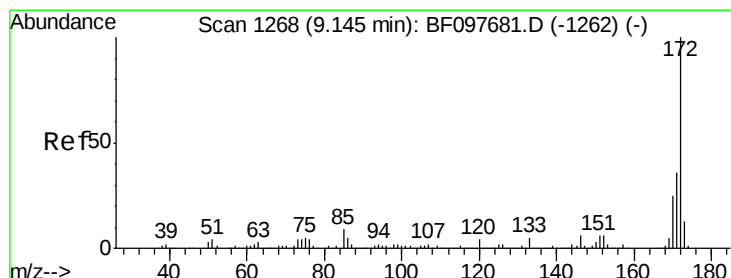
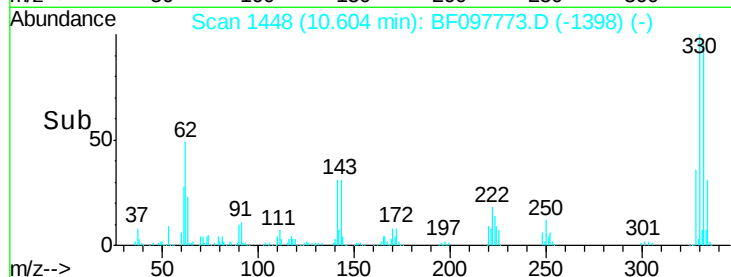
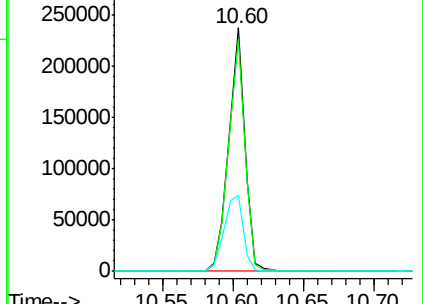
141 37.2 31.4 47.2



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: 74.60 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

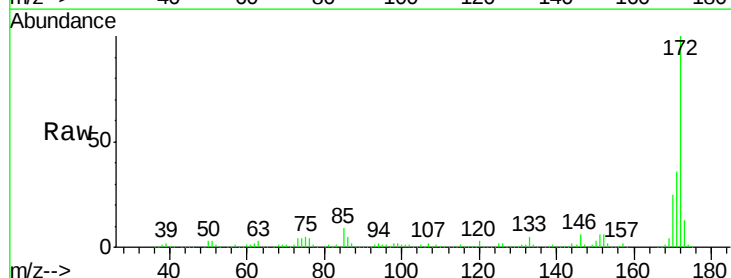
Tgt Ion:172 Resp: 1219210

Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

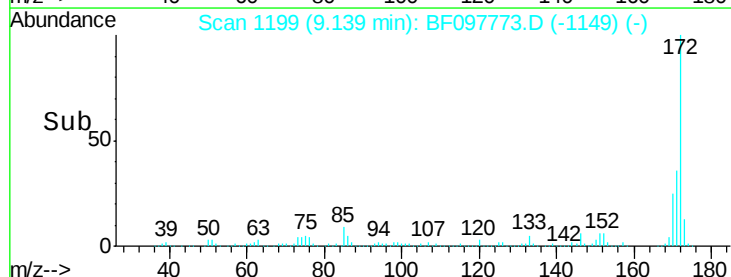
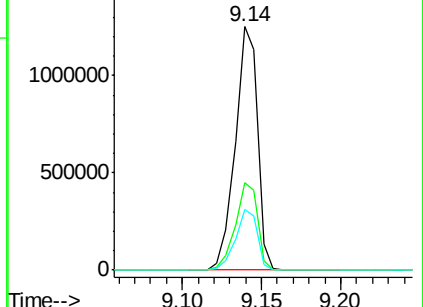
170 24.7 19.8 29.8

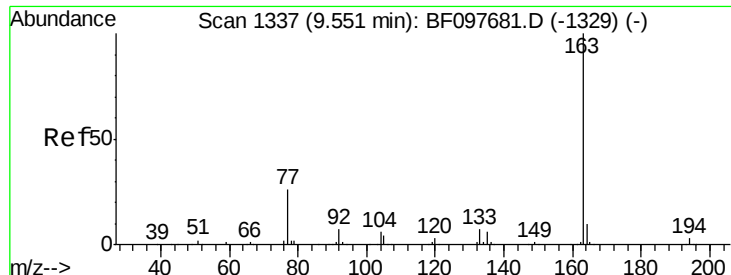


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 13.94 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

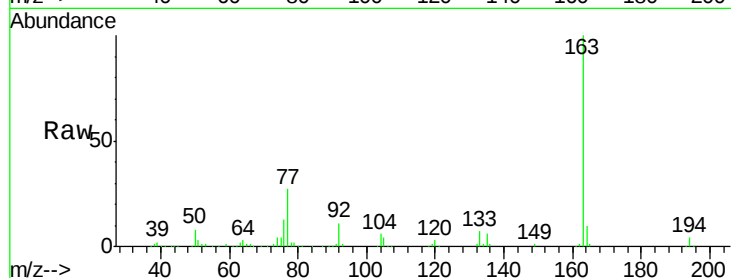
Tot Ion:163 Resp: 244686

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

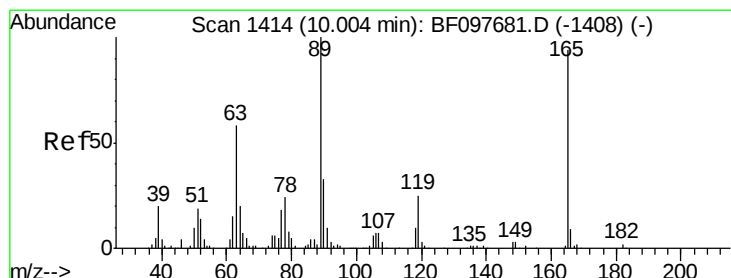
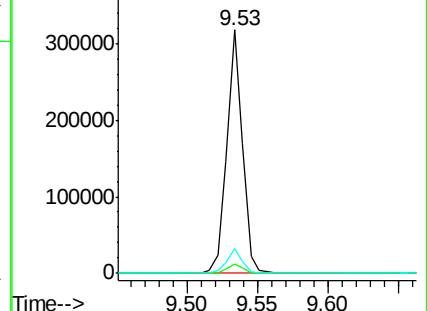
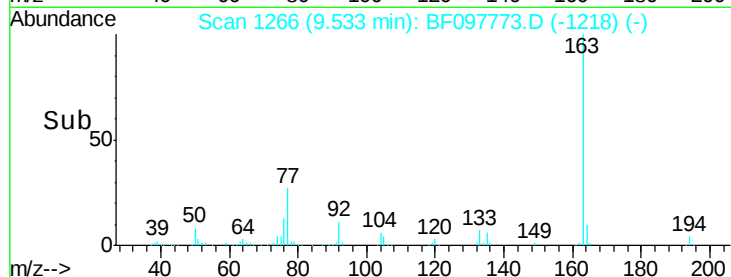
164 10.2 8.4 12.6



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: 6.85 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Tgt Ion:165 Resp: 30100

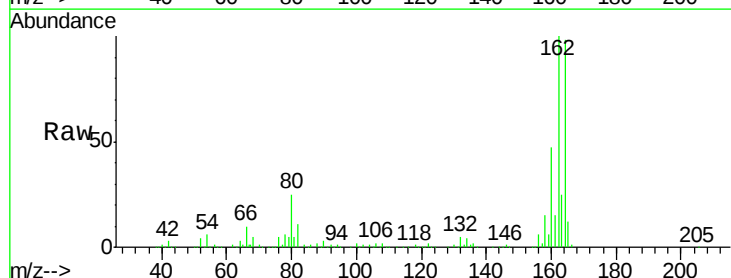
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 2.3 46.4 69.6#

182 0.0 1.8 2.6#

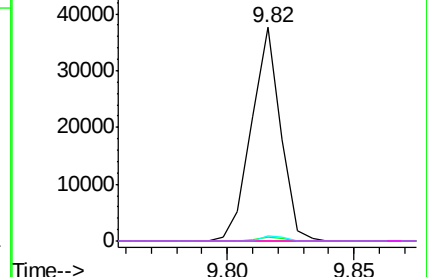
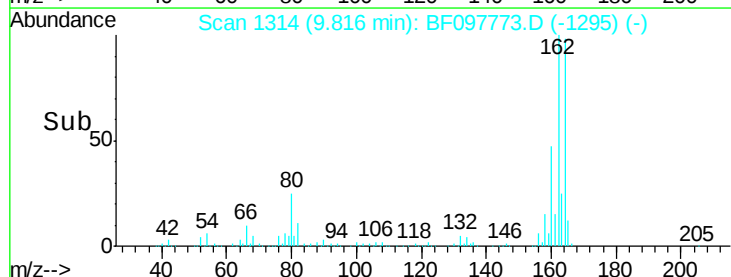


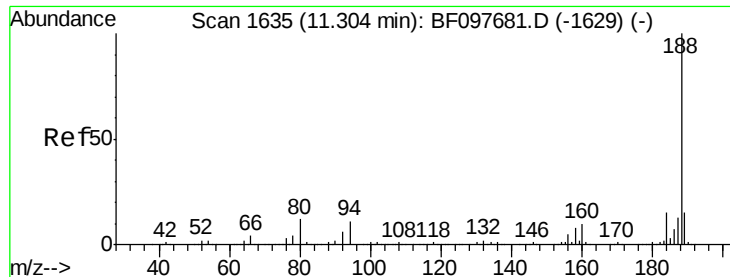
Abundance Ion 165.00 (164.70 to 165.70): E

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

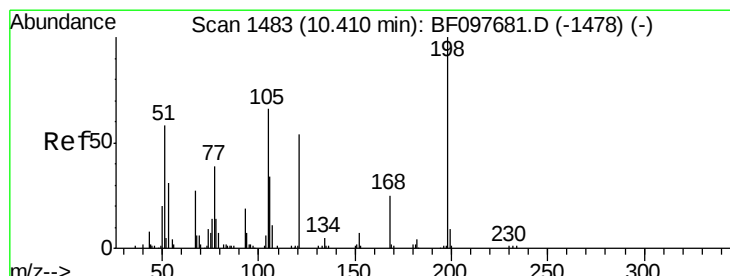
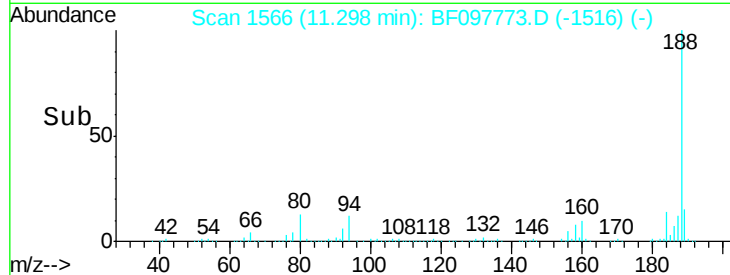
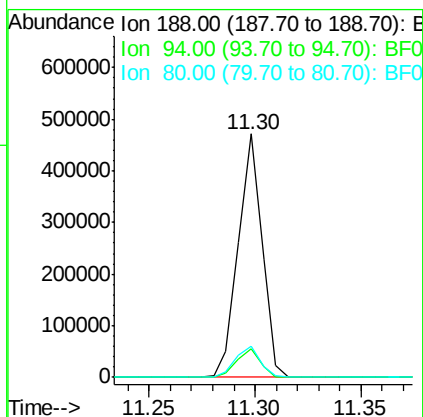
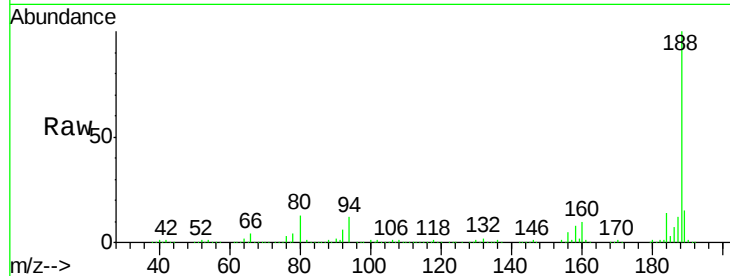




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: BF097773.D  
Acq: 17 Aug 2017 7:46

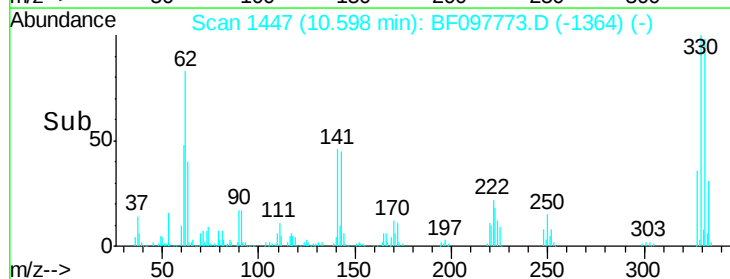
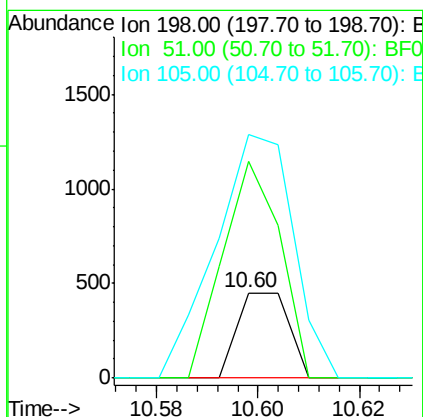
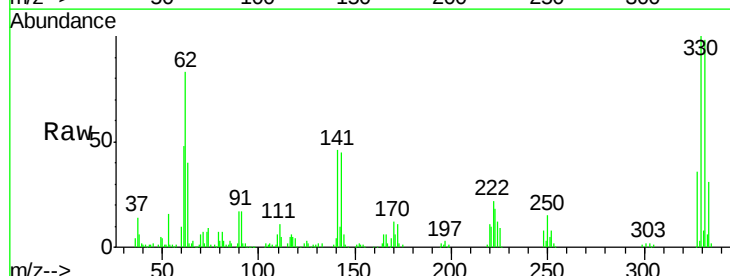
Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP

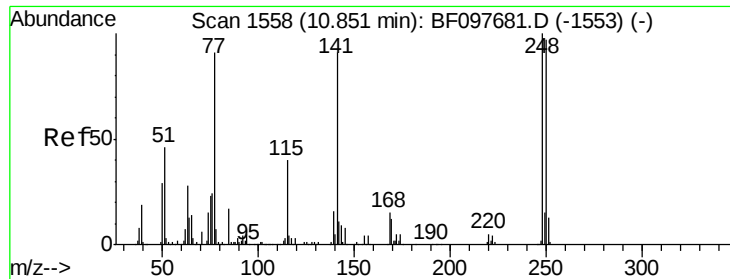
Tot Ion:188 Resp: 368635  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.4 14.2  
80 13.0 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.47 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. 0.19 min  
Lab File: BF097773.D  
Acq: 17 Aug 2017 7:46

Tgt Ion:198 Resp: 317  
Ion Ratio Lower Upper  
198 100  
51 253.7 53.2 93.2#  
105 285.4 45.8 85.8#

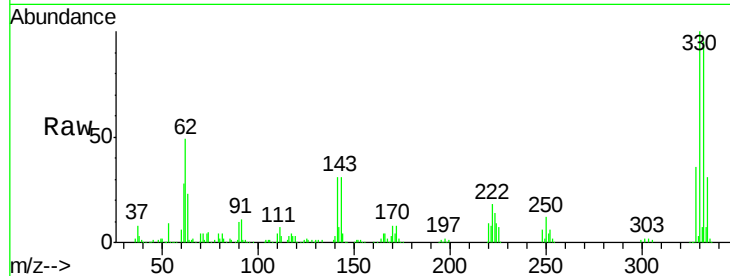




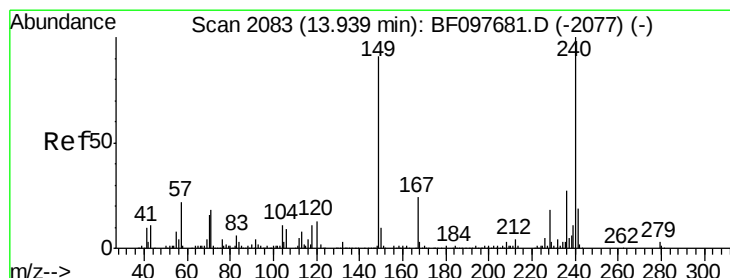
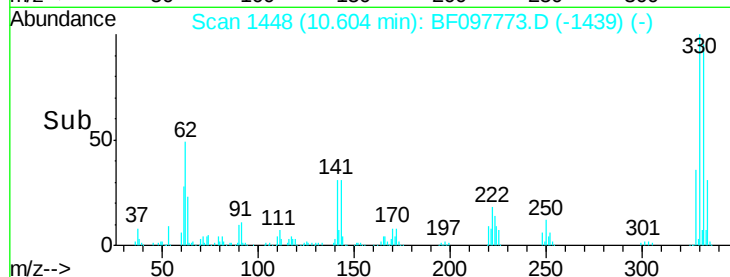
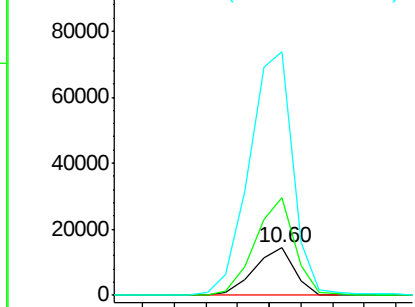
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.29 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.25 min  
 Lab File: BF097773.D  
 Acq: 17 Aug 2017 7:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

Tot Ion:248 Resp: 12604  
 Ion Ratio Lower Upper  
 248 100  
 250 204.5 76.8 115.2#  
 141 511.2 68.6 103.0#

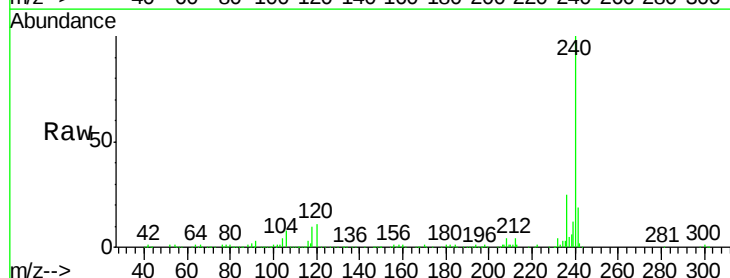


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

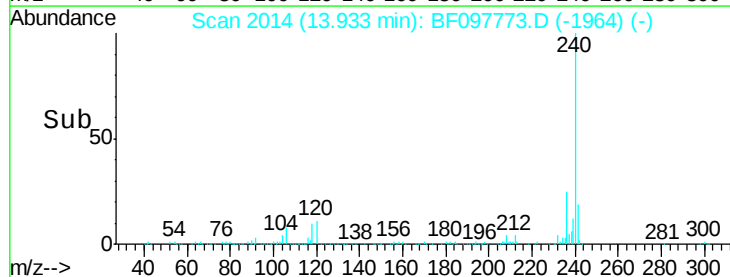
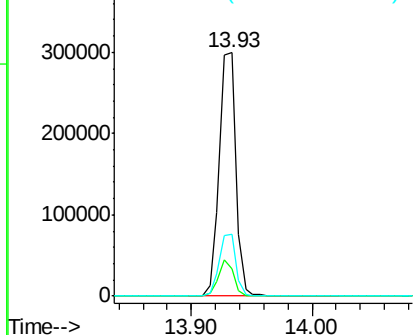


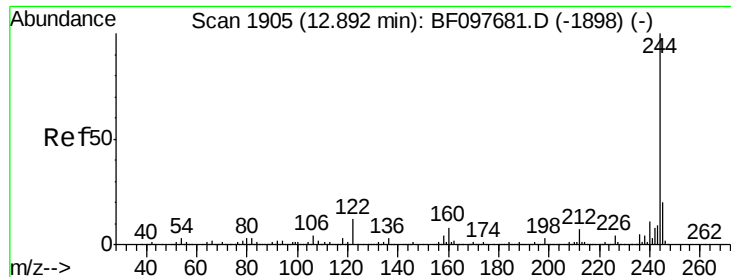
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF097773.D  
 Acq: 17 Aug 2017 7:46

Tgt Ion:240 Resp: 284573  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 5.8 8.8#  
 236 25.4 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: 51.01 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Instrument :

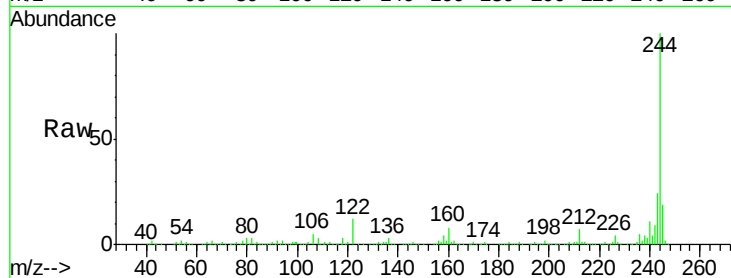
BNA\_F

ClientSampleID :

SB-03-COMP

Tot Ion:244 Resp: 696047

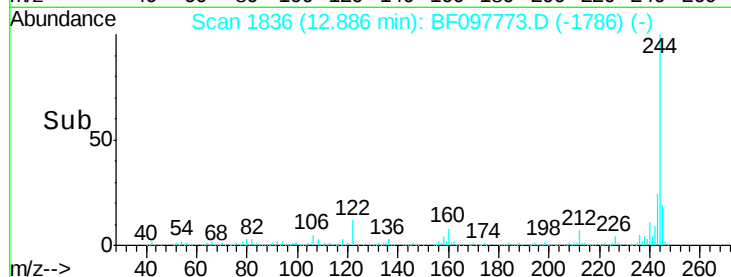
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 6.0   | 9.0   |
| 122 | 12.4  | 10.3  | 15.5  |



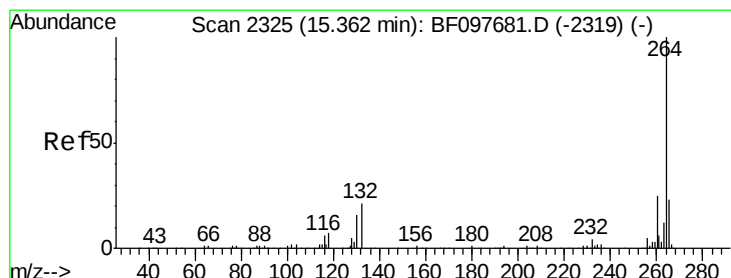
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

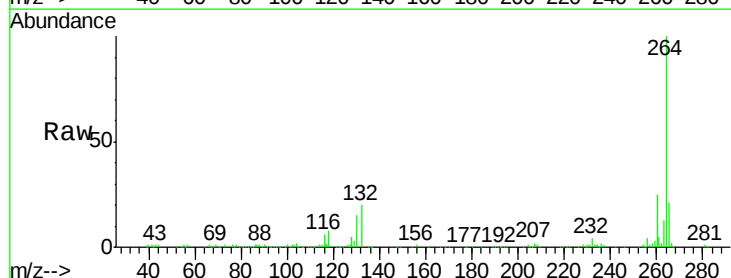
Delta R.T. 0.00 min

Lab File: BF097773.D

Acq: 17 Aug 2017 7:46

Tgt Ion:264 Resp: 239879

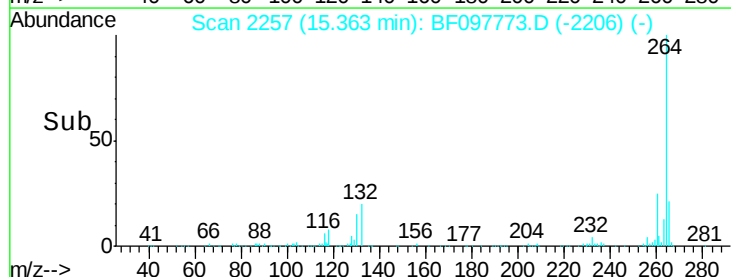
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.9  | 19.5  | 29.3  |
| 265 | 21.3  | 17.2  | 25.8  |



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



Time-->