

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\  
 Data File : BF098363.D  
 Acq On : 8 Sep 2017 21:07  
 Operator : SJ/JU  
 Sample : I5137-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-COMP

Quant Time: Sep 09 00:00:44 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 17:28:20 2017  
 Response via : Initial Calibration

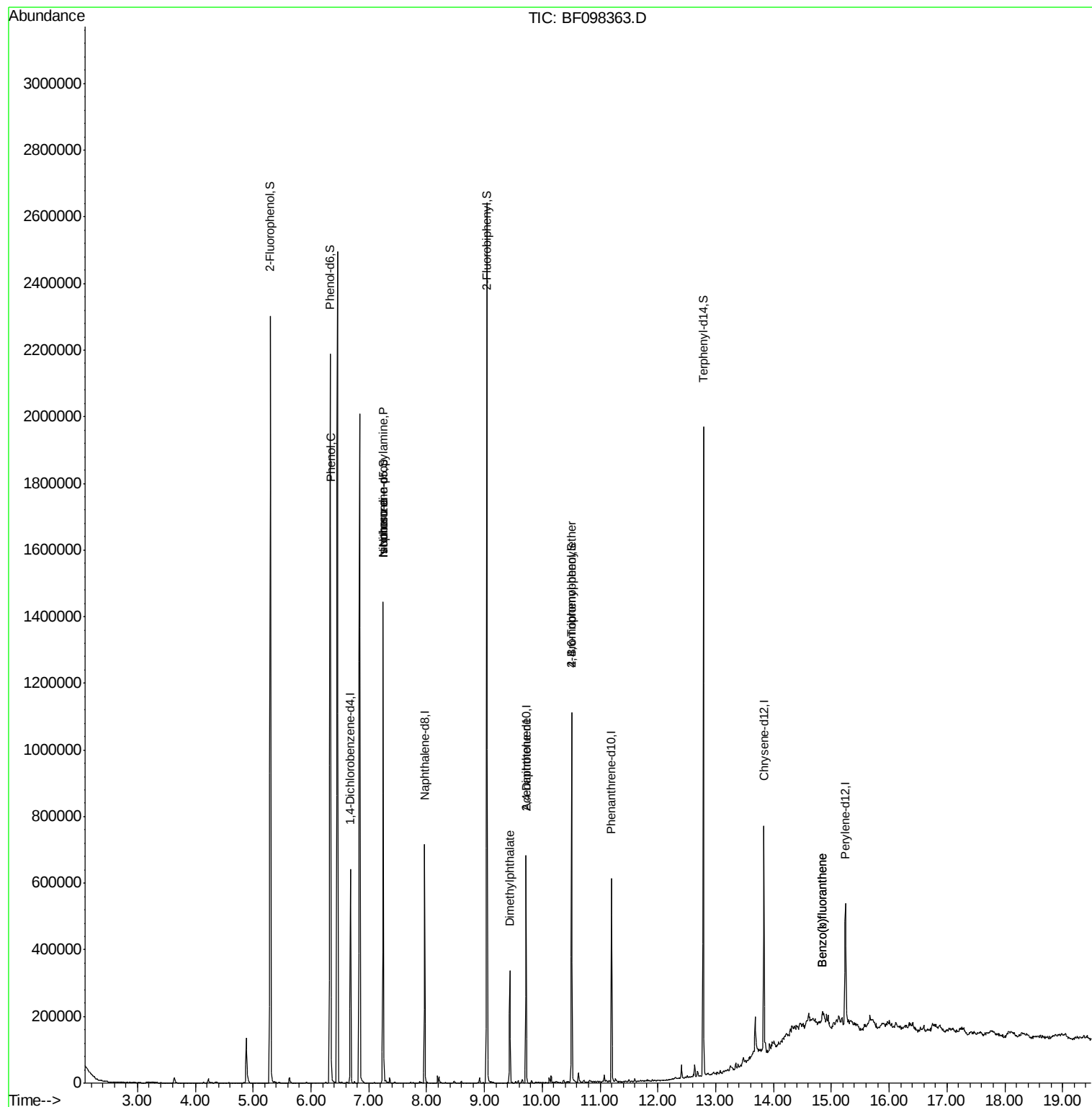
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 93661    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.97  | 136  | 334038   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 124989   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.20 | 188  | 208810   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.83 | 240  | 223351   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.24 | 264  | 156506   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 738354   | 119.91 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 959589   | 114.70 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 541337   | 88.04  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 131023   | 120.82 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 789508   | 92.80  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.79 | 244  | 569798   | 53.20  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.35  | 94   | 31484    | 3.218  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 69405    | 12.118 | ng    | # 71     |
| 25) Isophorone                 | 7.25  | 82   | 536992   | 41.999 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.44  | 163  | 116712   | 12.774 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 16021    | 7.000  | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 8496     | 3.918  | ng    | # 1      |
| 87) Benzo(b)fluoranthene       | 14.84 | 252  | 20630    | 2.091  | ng    | # 89     |
| 88) Benzo(k)fluoranthene       | 14.84 | 252  | 20630    | 2.226  | ng    | # 92     |

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

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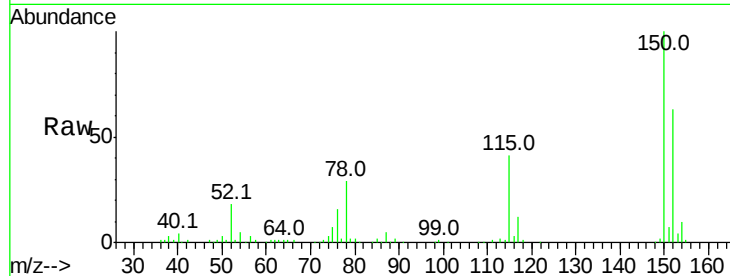


#1

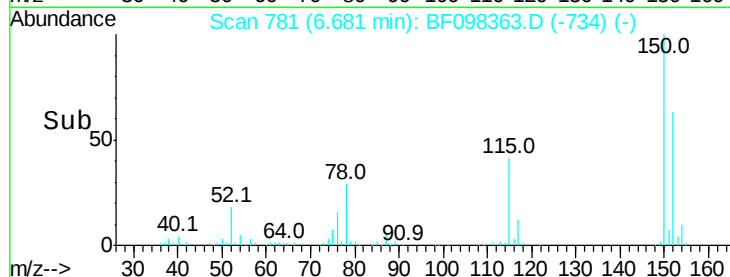
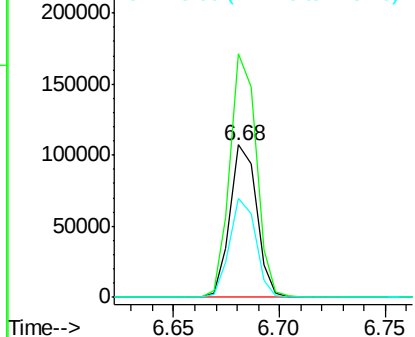
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.68 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-COMP

Tot Ion:152 Resp: 93661  
Ion Ratio Lower Upper  
152 100  
150 159.9 126.2 189.2  
115 65.1 52.2 78.2



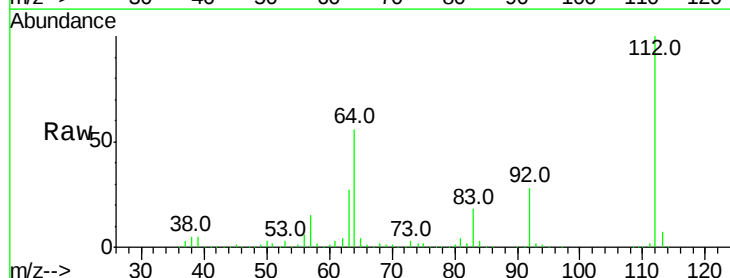
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



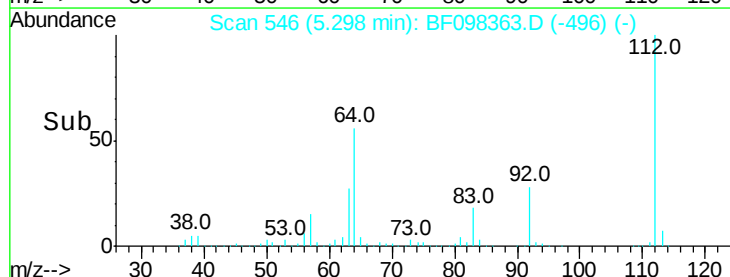
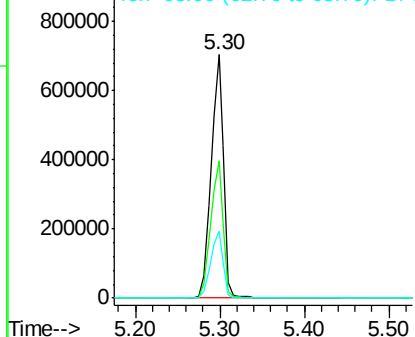
#5

2-Fluorophenol  
Concen: 119.910 ng  
RT: 5.30 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Tgt Ion:112 Resp: 738354  
Ion Ratio Lower Upper  
112 100  
64 56.2 46.0 69.0  
63 27.3 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: 114.696 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Instrument :

BNA\_F

ClientSampleId :

TP-1-COMP

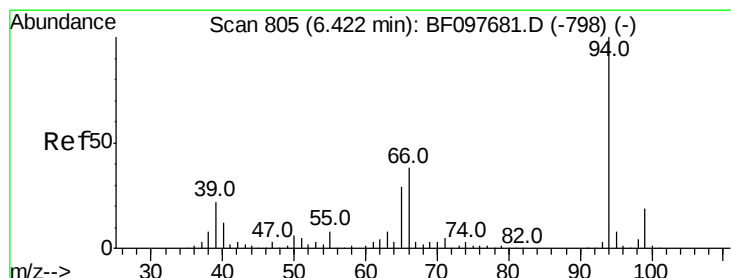
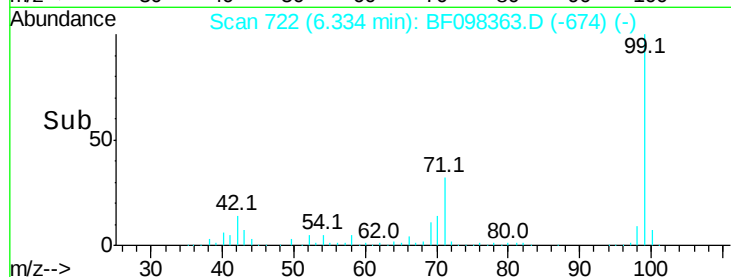
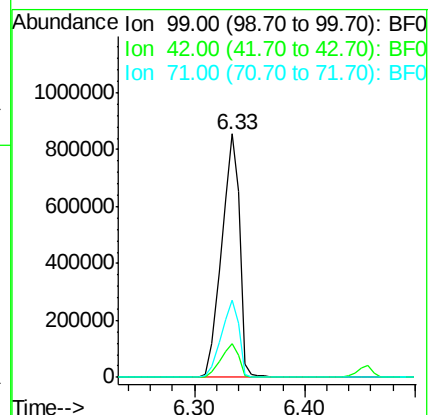
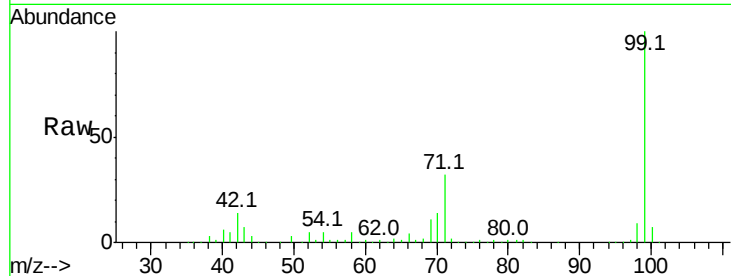
Tot Ion: 99 Resp: 959589

Ion Ratio Lower Upper

99 100

42 13.8 13.5 20.3

71 31.7 24.5 36.7



#10

Phenol

Concen: 3.218 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

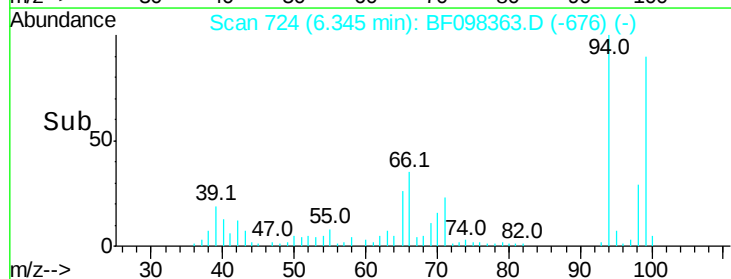
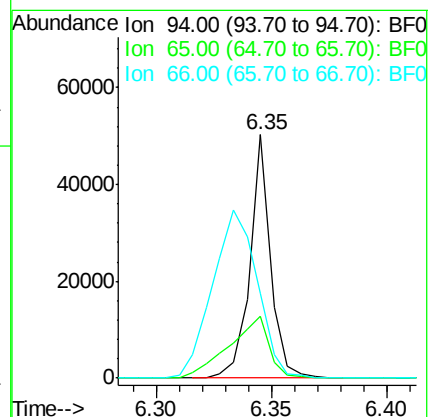
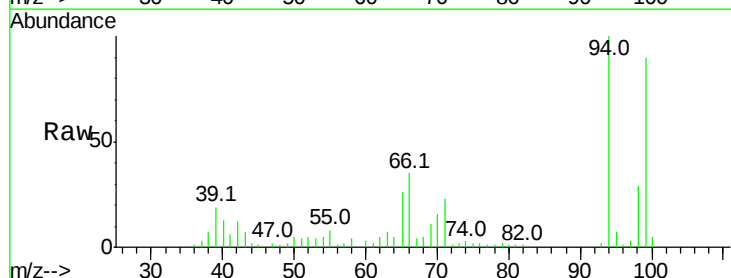
Tgt Ion: 94 Resp: 31484

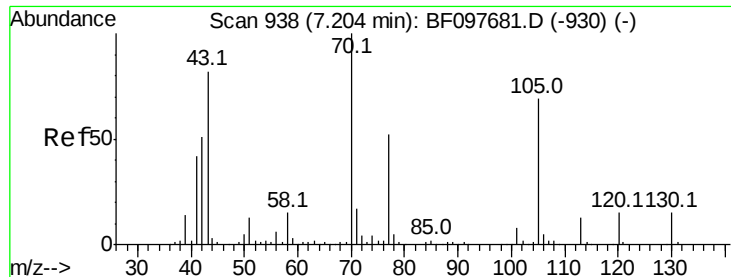
Ion Ratio Lower Upper

94 100

65 25.5 9.9 49.9

66 35.1 23.1 63.1

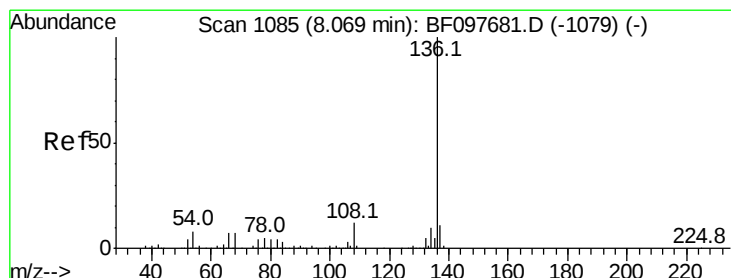
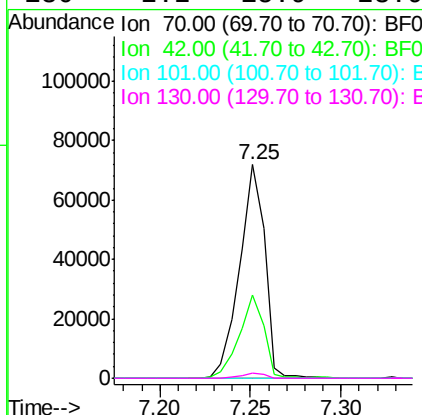
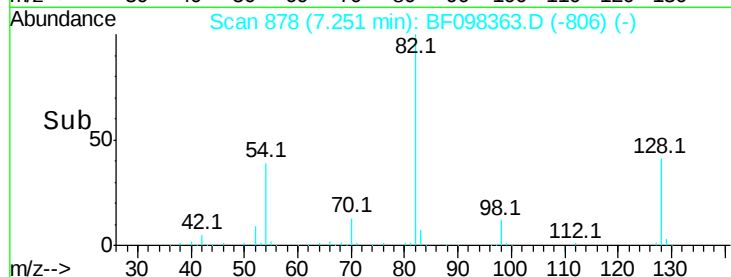
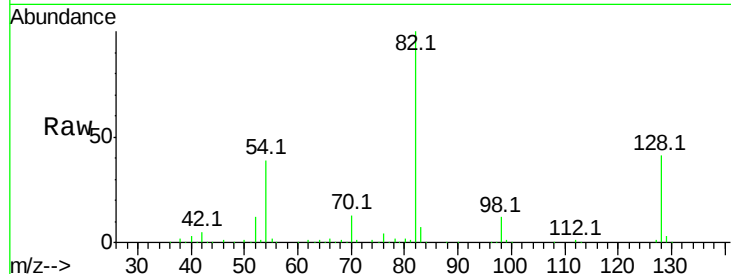




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.118 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.12 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

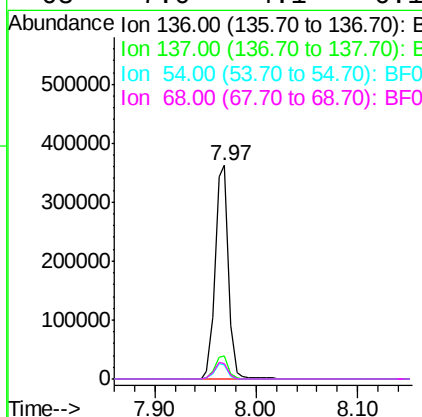
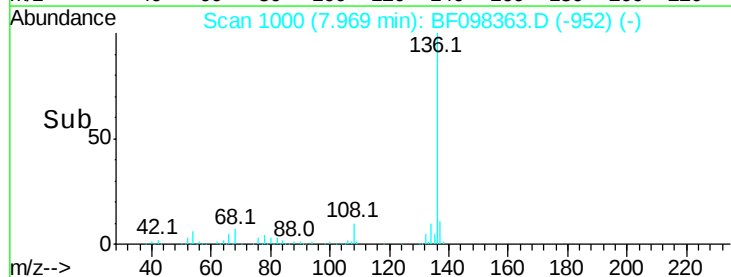
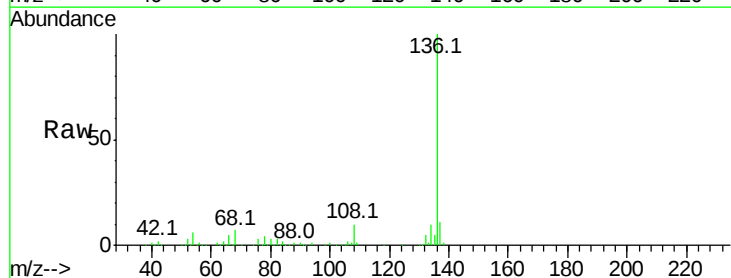
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-COMP

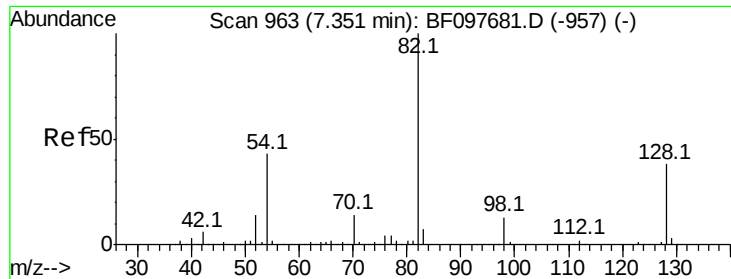
Tot Ion: 70 Resp: 69405  
Ion Ratio Lower Upper  
70 100  
42 39.0 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.2 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1000  
Delta R.T. -0.02 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Tgt Ion:136 Resp: 334038  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.5 12.7  
54 6.3 4.9 7.3  
68 7.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 88.038 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Instrument :

BNA\_F

ClientSampleId :

TP-1-COMP

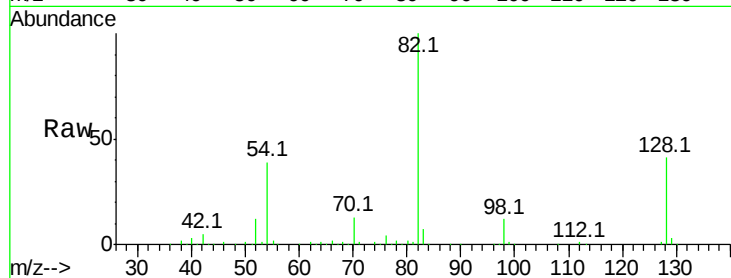
Tot Ion: 82 Resp: 541337

Ion Ratio Lower Upper

82 100

128 41.0 34.0 51.0

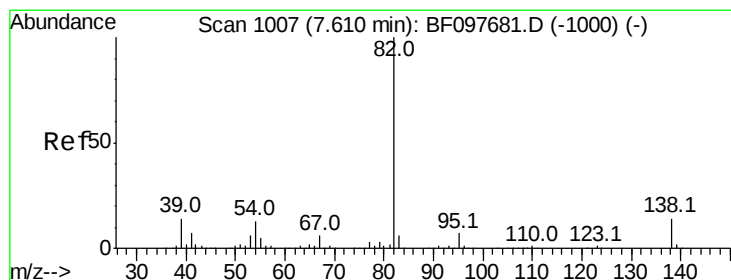
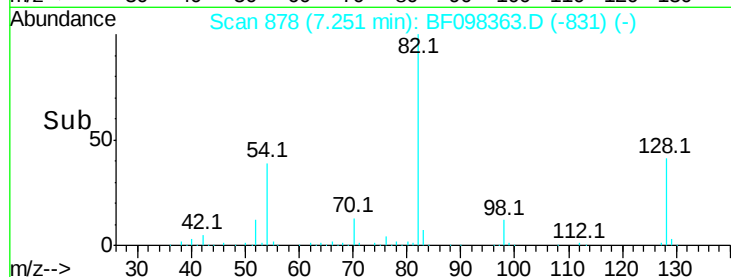
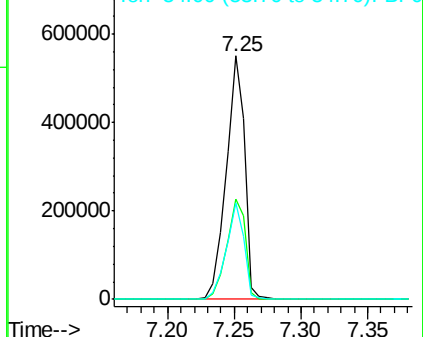
54 39.4 42.2 63.2#



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: 41.999 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

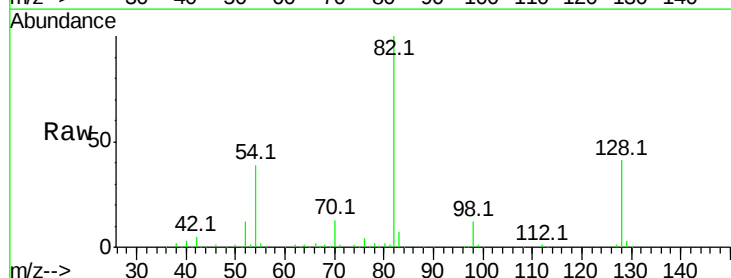
Tgt Ion: 82 Resp: 536992

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

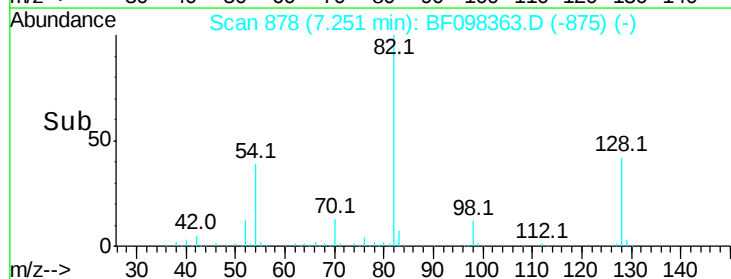
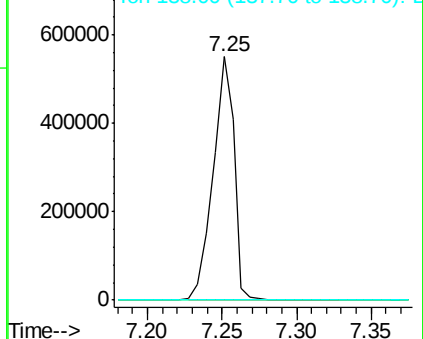
138 0.0 13.1 19.7#

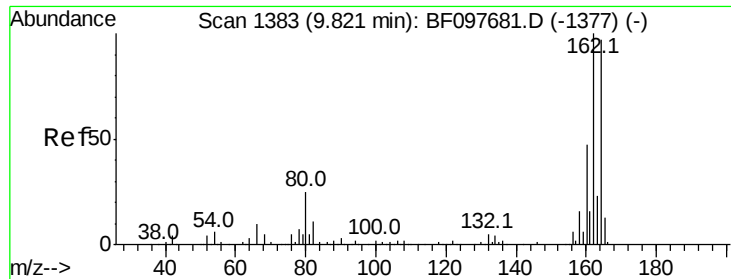


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Instrument :

BNA\_F

ClientSampleId :

TP-1-COMP

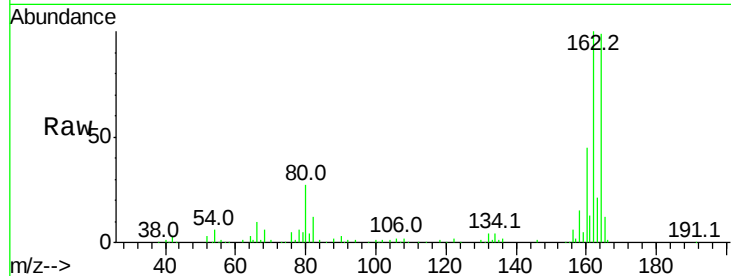
Tot Ion:164 Resp: 124989

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

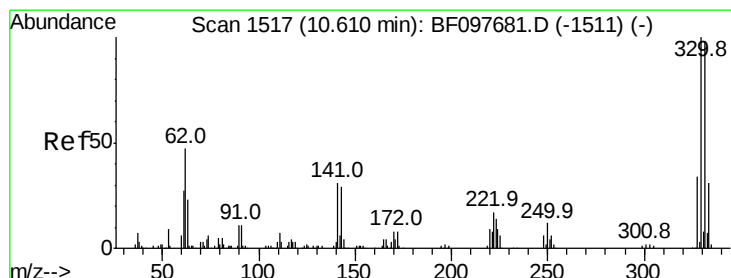
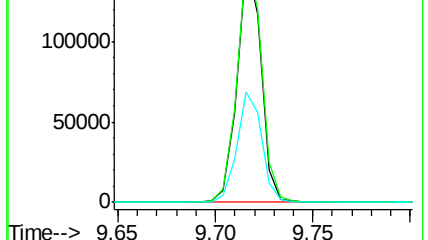
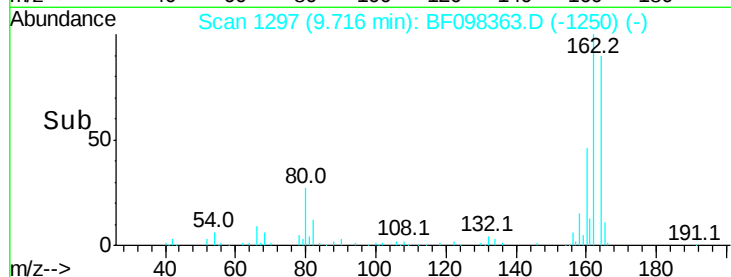
160 45.8 36.2 54.2



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: 120.816 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

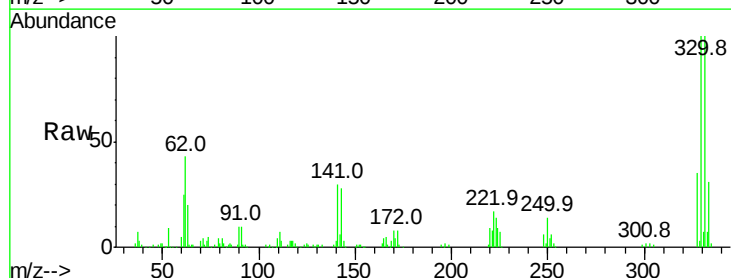
Tgt Ion:330 Resp: 131023

Ion Ratio Lower Upper

330 100

332 98.8 76.6 115.0

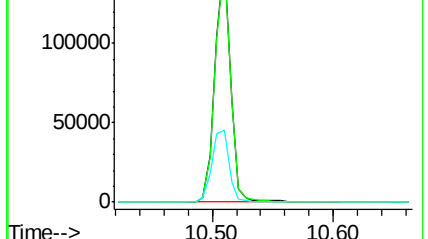
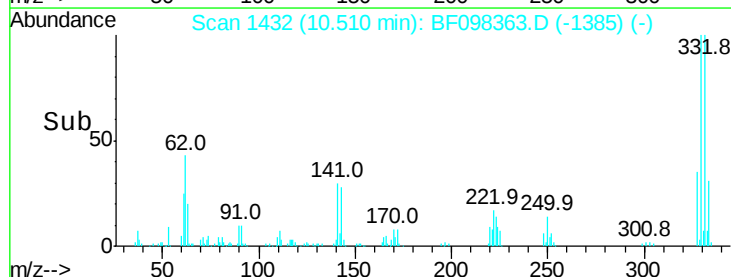
141 34.0 31.4 47.2

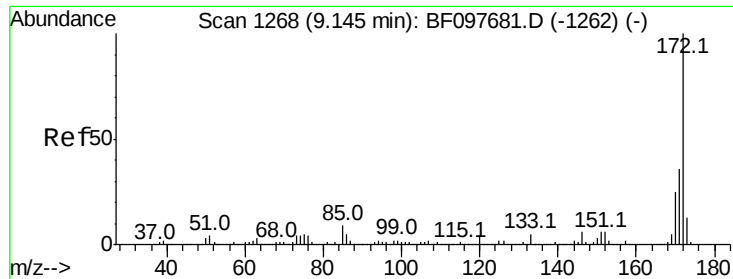


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

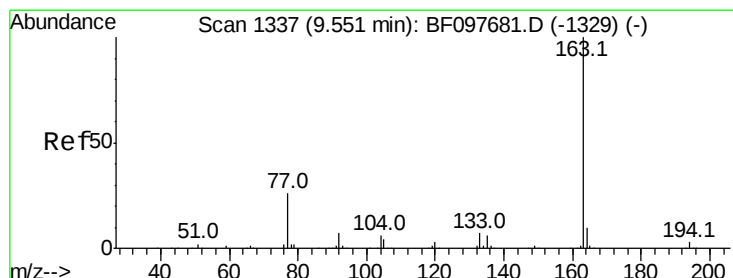
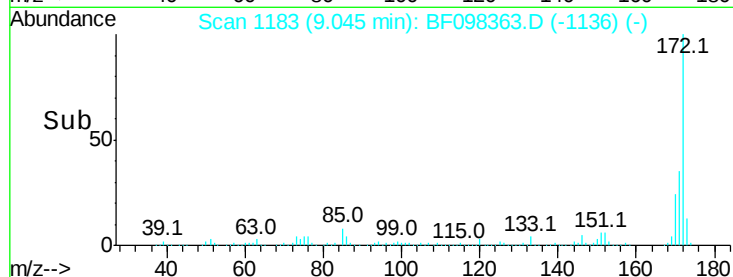
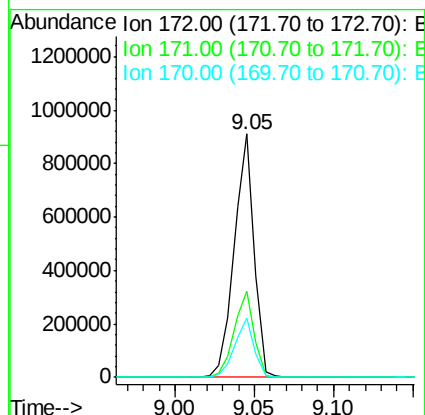
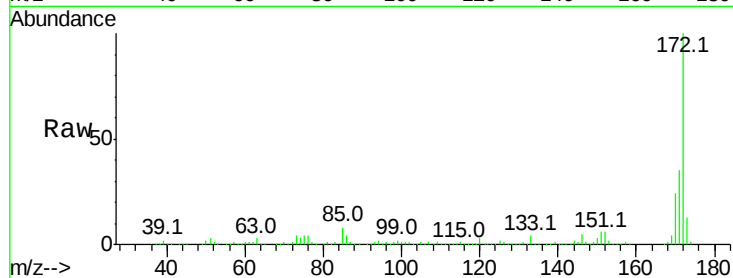




#44  
2-Fluorobiphenyl  
Concen: 92.804 ng  
RT: 9.05 min Scan# 1183  
Delta R.T. -0.02 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

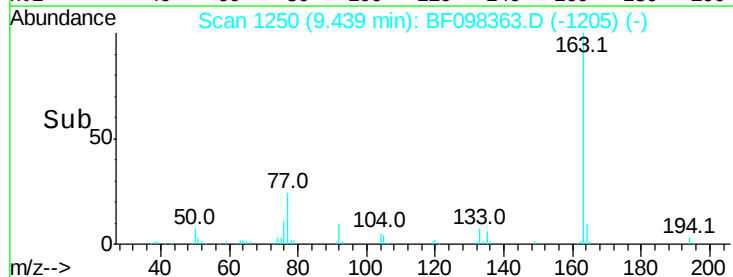
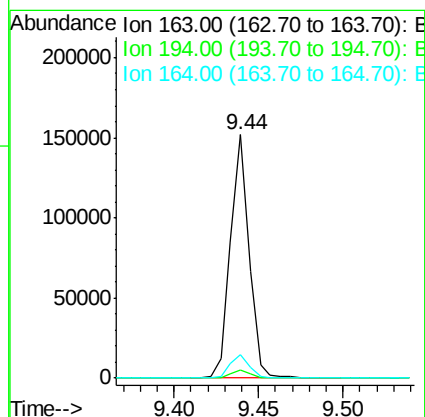
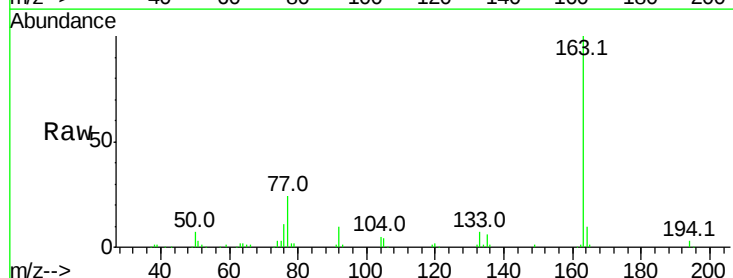
Instrument :  
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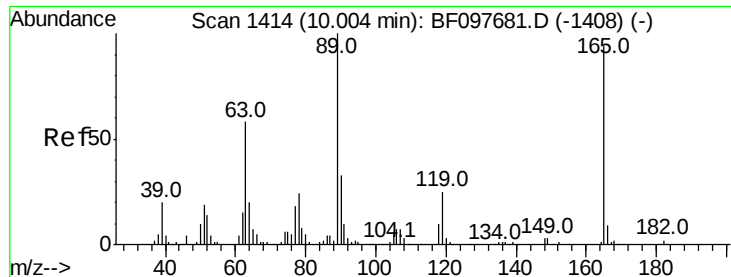
Tot Ion:172 Resp: 789508  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.6 44.4  
170 24.1 19.8 29.8



#49  
Dimethylphthalate  
Concen: 12.774 ng  
RT: 9.44 min Scan# 1250  
Delta R.T. -0.04 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Tgt Ion:163 Resp: 116712  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 9.7 8.4 12.6

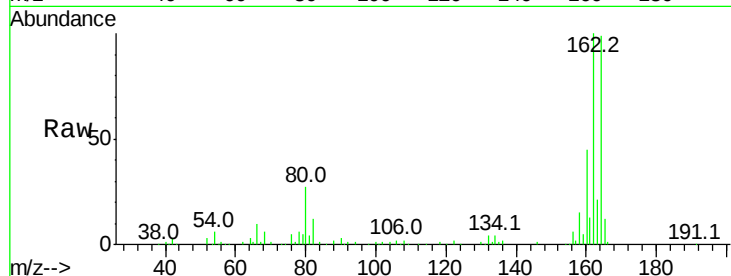




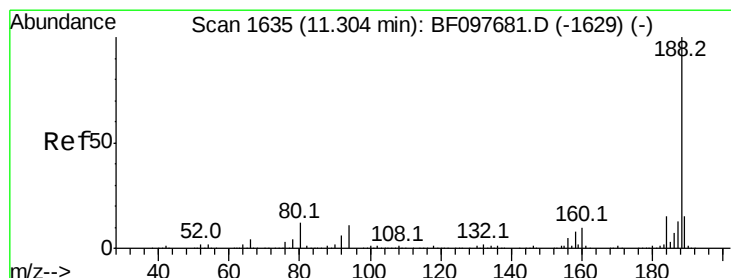
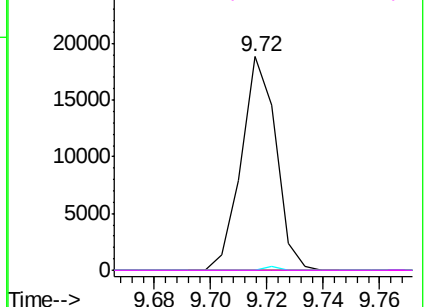
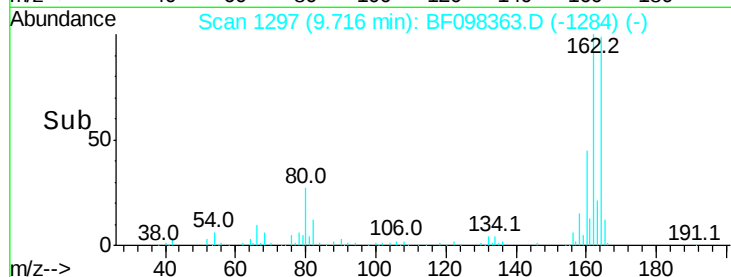
#56  
 2,4-Dinitrotoluene  
 Concen: 7.000 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.22 min  
 Lab File: BF098363.D  
 Acq: 8 Sep 2017 21:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-COMP

Tot Ion:165 Resp: 16021  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 25.4 38.0#  
 89 0.0 46.4 69.6#  
 182 0.0 1.8 2.6#

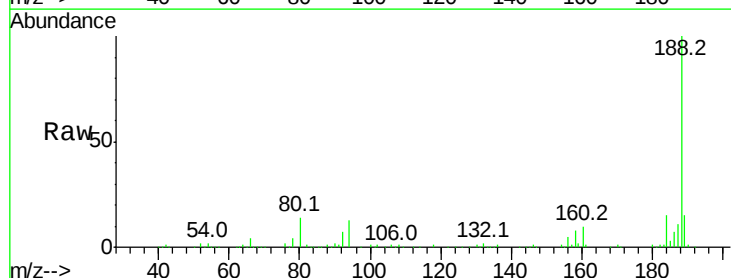


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

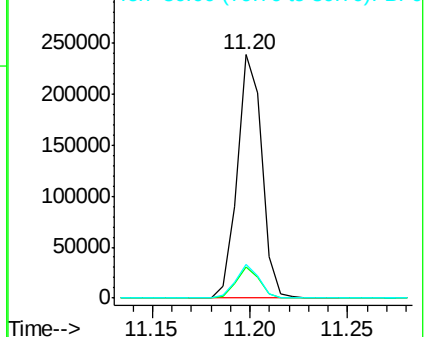
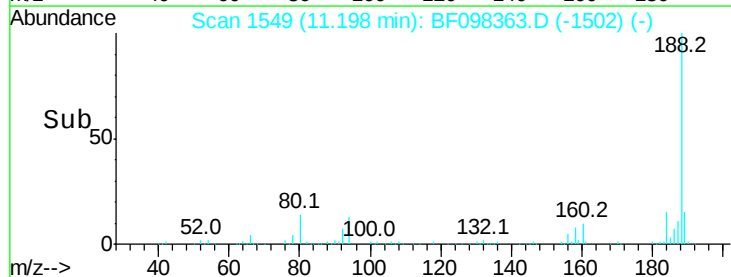


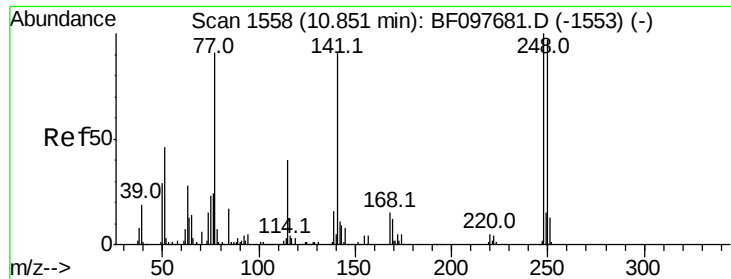
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.02 min  
 Lab File: BF098363.D  
 Acq: 8 Sep 2017 21:07

Tgt Ion:188 Resp: 208810  
 Ion Ratio Lower Upper  
 188 100  
 94 12.8 9.4 14.2  
 80 13.8 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

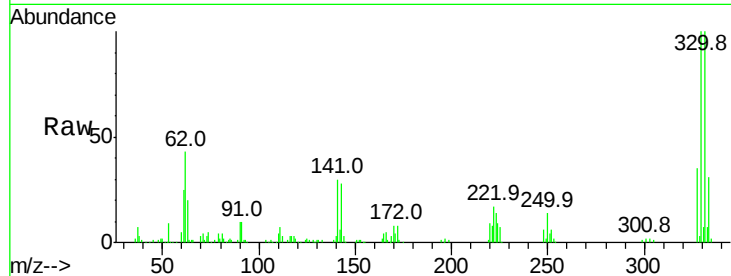




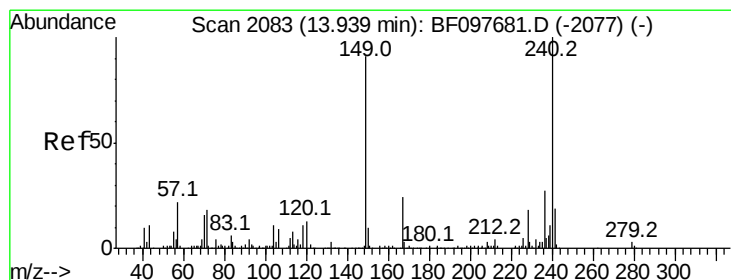
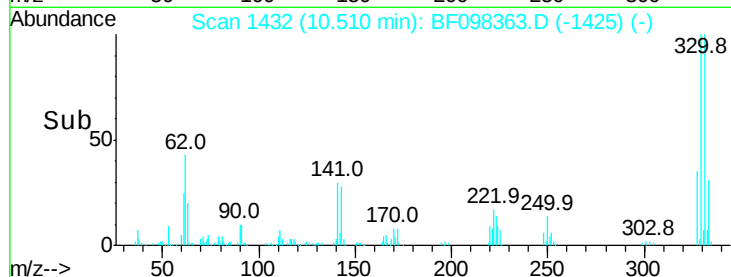
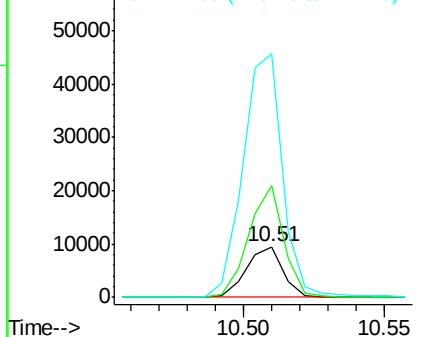
#66  
4-Bromophenyl-phenylether  
Concen: 3.918 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.26 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-COMP

Tot Ion:248 Resp: 8496  
Ion Ratio Lower Upper  
248 100  
250 219.0 76.8 115.2#  
141 479.3 68.6 103.0#

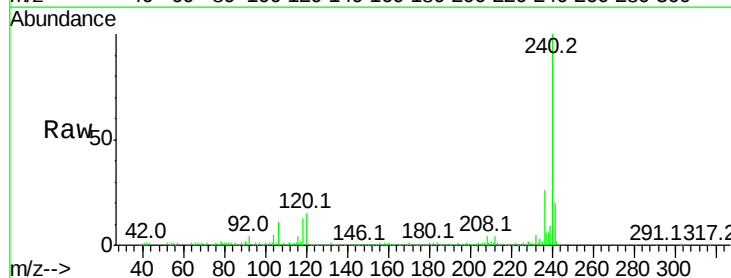


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

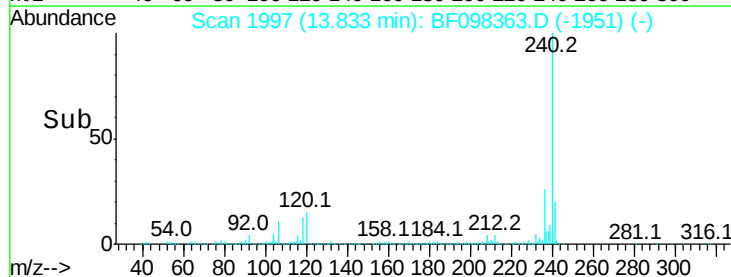
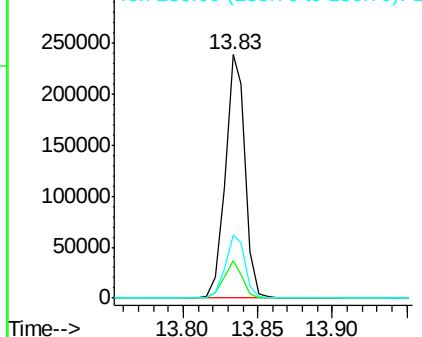


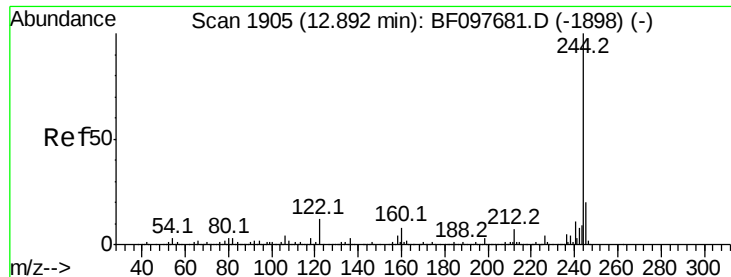
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.03 min  
Lab File: BF098363.D  
Acq: 8 Sep 2017 21:07

Tgt Ion:240 Resp: 223351  
Ion Ratio Lower Upper  
240 100  
120 15.2 5.8 8.8#  
236 25.8 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: 53.200 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Instrument :

BNA\_F

ClientSampleId :

TP-1-COMP

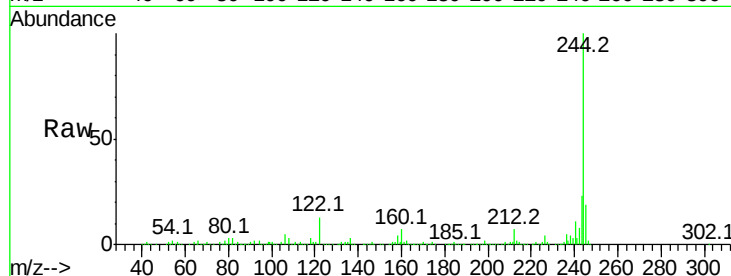
Tot Ion:244 Resp: 569798

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

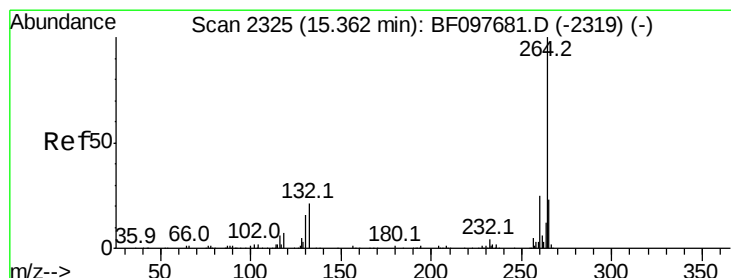
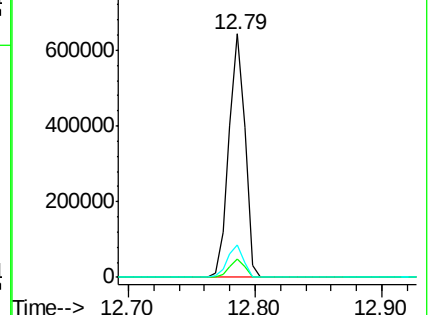
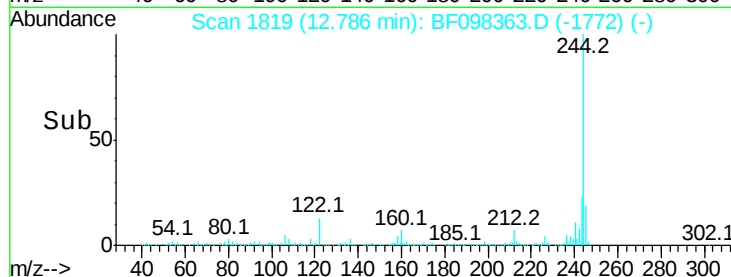
122 13.5 10.3 15.5



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: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

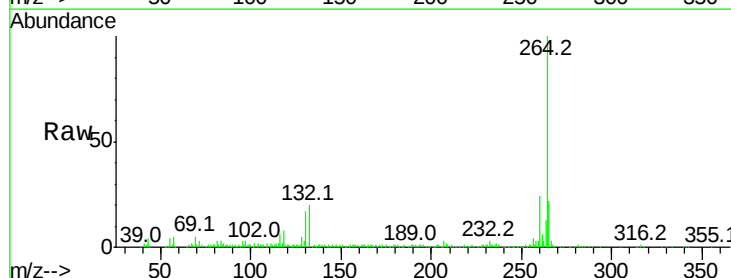
Tgt Ion:264 Resp: 156506

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

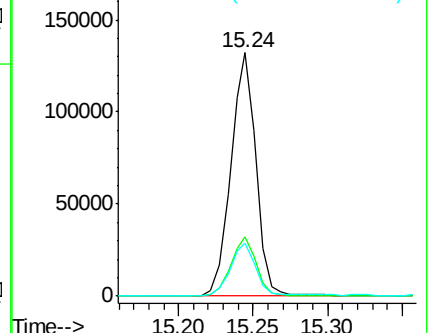
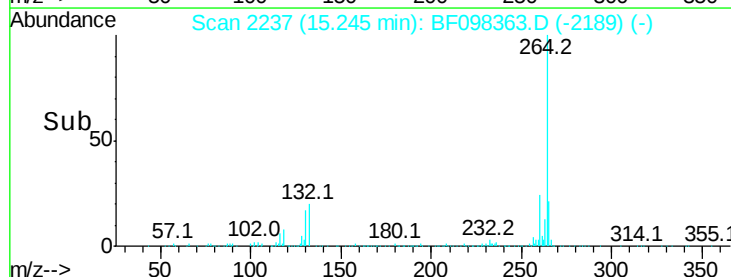
265 21.5 17.2 25.8

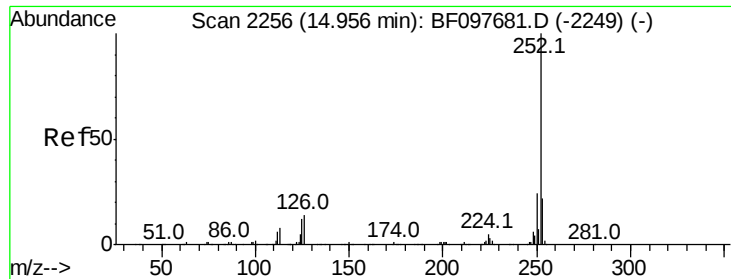


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.091 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Instrument :

BNA\_F

ClientSampleId :

TP-1-COMP

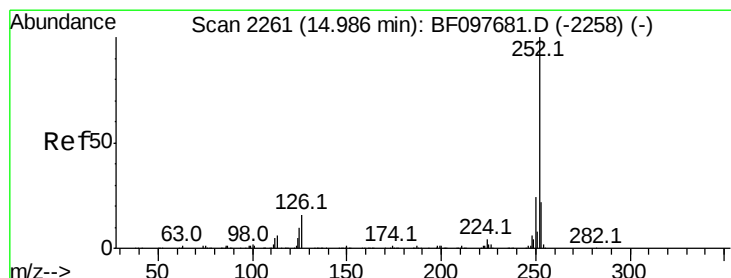
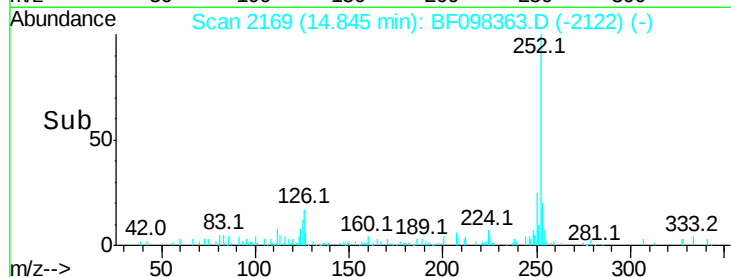
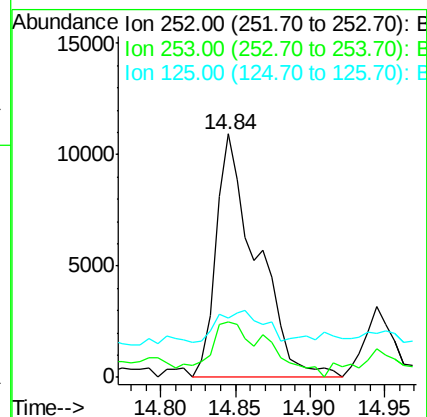
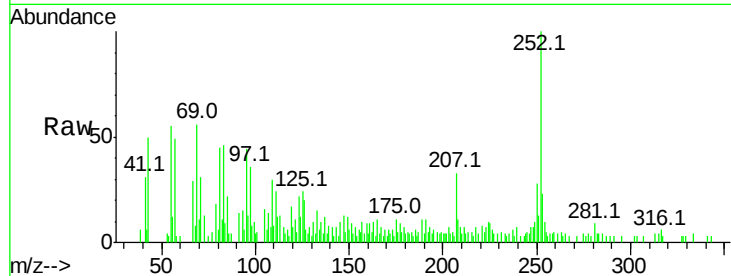
Tot Ion:252 Resp: 20630

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 24.1 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 2.226 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.05 min

Lab File: BF098363.D

Acq: 8 Sep 2017 21:07

Tgt Ion:252 Resp: 20630

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 24.1 13.1 19.7#

