

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122316\  
 Data File : BF091935.D  
 Acq On : 23 Dec 2016 20:27  
 Operator : UM/SJ  
 Sample : H6227-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FAZTEC-GENERAL-FILL

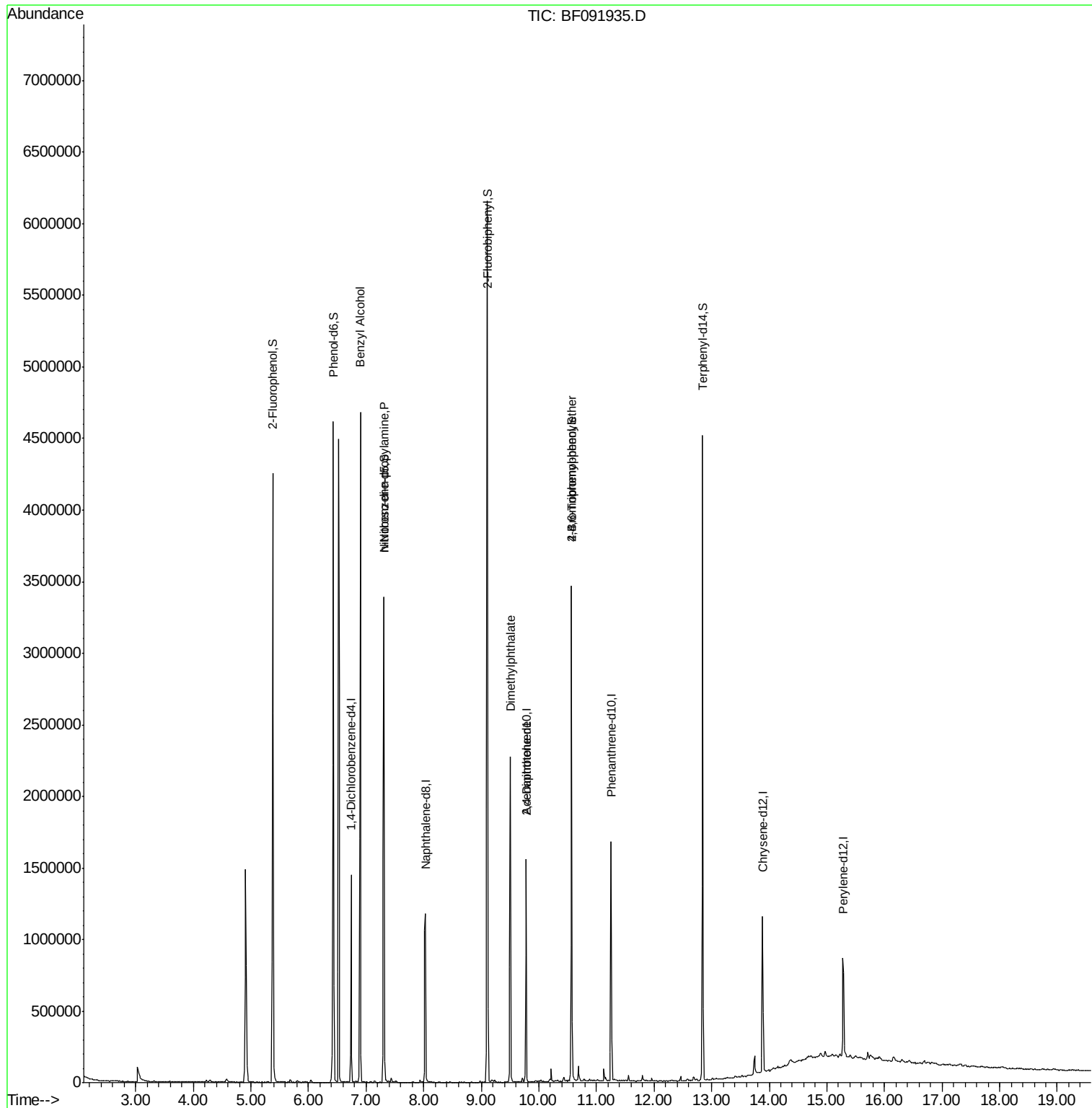
Quant Time: Dec 23 22:09:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 16:17:51 2016  
 Response via : Initial Calibration

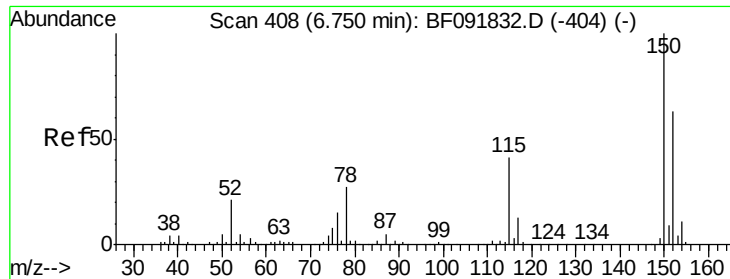
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 204482   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.03  | 136  | 824087   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.78  | 164  | 415342   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.25 | 188  | 595899   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.88 | 240  | 403976   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.28 | 264  | 378381   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 1561151  | 127.48    | ng    | 0.03     |
| 7) Phenol-d6                   | 6.43  | 99   | 1820216  | 121.74    | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 1293247  | 87.26     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 381480   | 110.98    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.10  | 172  | 1963899  | 99.01     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.84 | 244  | 1422286  | 85.39     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 15) Benzyl Alcohol             | 6.90  | 79   | 24729    | 2.13      | ng    | # 36     |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 176392   | 17.73     | ng    | # 76     |
| 37) 2-Methylnaphthalene        | 8.74  | 142  | 274      | Below Cal | #     | 80       |
| 49) Dimethylphthalate          | 9.50  | 163  | 1005995  | 37.87     | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 53654    | 7.35      | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 24930    | 4.02      | ng    | # 1      |
| 71) Anthracene                 | 11.28 | 178  | 5749     | Below Cal | #     | 97       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 1223     | Below Cal | #     | 76       |
| 74) Fluoranthene               | 12.46 | 202  | 14664    | Below Cal | #     | 95       |
| 76) Benzydine                  | 12.60 | 184  | 2225     | Below Cal | #     | 65       |

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

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Sample    : H6227-01  
Misc      :  
ALS Vial  : 20      Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
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QLast Update : Wed Dec 21 16:17:51 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

Instrument :

BNA\_F

ClientSampleId :

FAZTEC-GENERAL-FILL

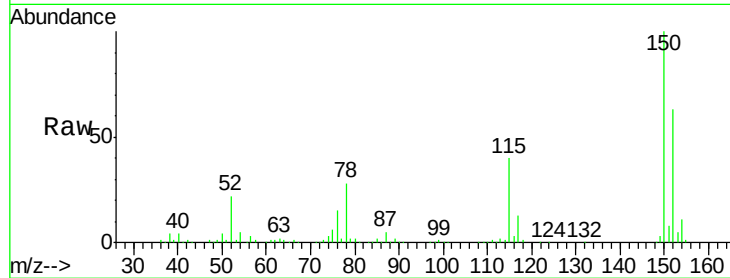
Tgt Ion:152 Resp: 204482

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

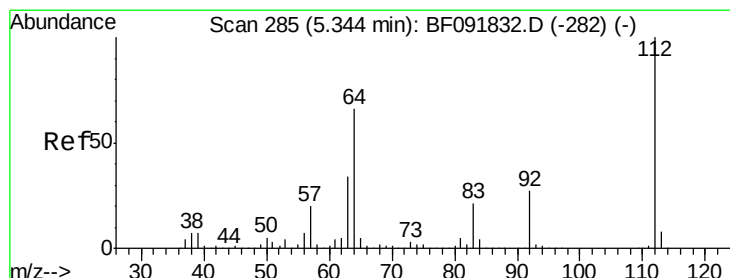
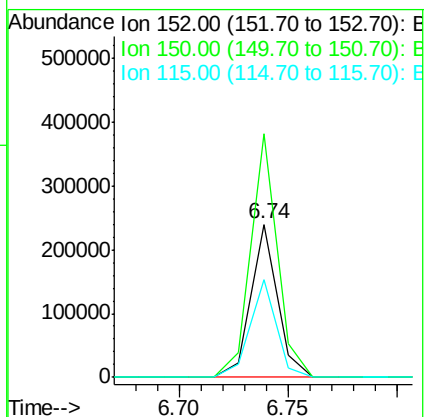
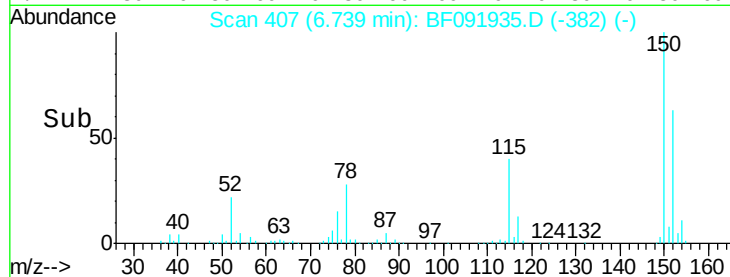
115 64.0 46.0 69.0



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: 127.48 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

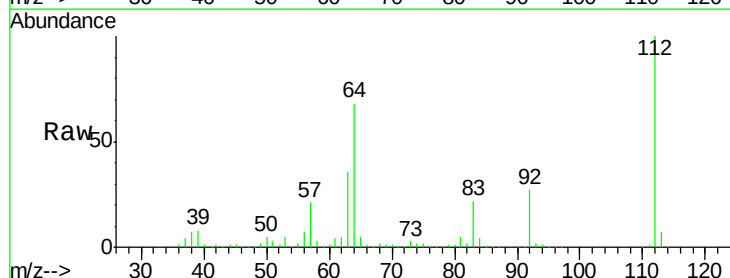
Tgt Ion:112 Resp: 1561151

Ion Ratio Lower Upper

112 100

64 67.8 46.1 69.1

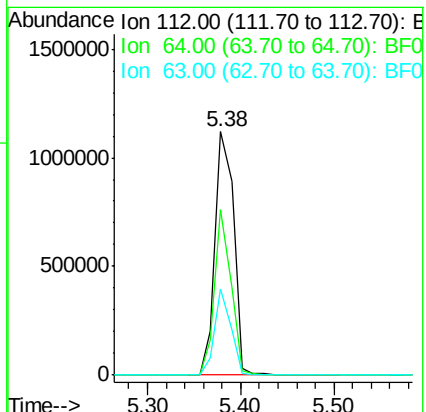
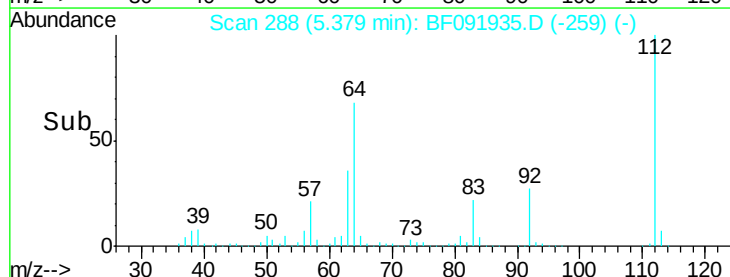
63 35.6 23.8 35.6

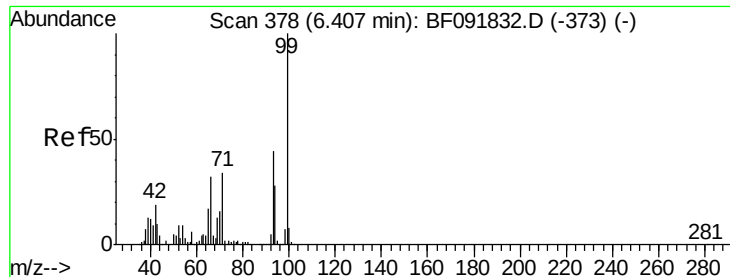


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.74 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

Instrument :

BNA\_F

ClientSampleId :

FAZTEC-GENERAL-FILL

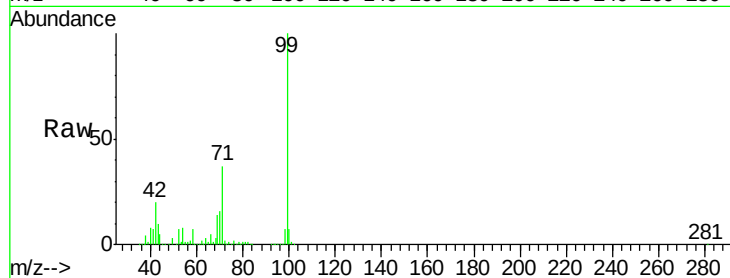
Tgt Ion: 99 Resp: 1820216

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

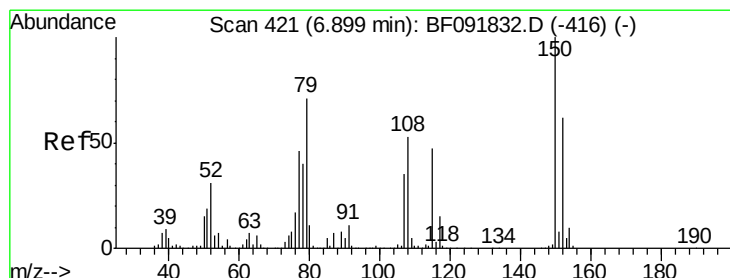
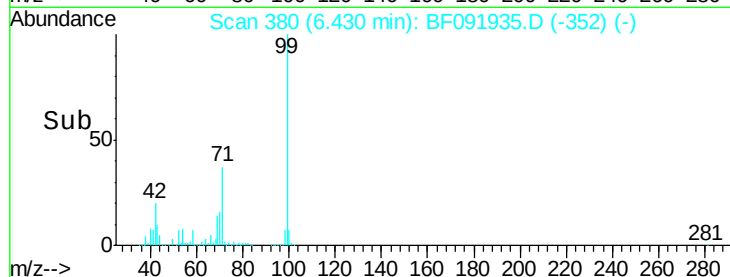
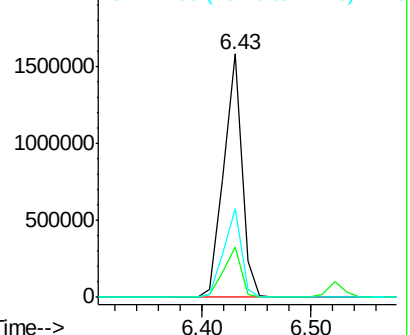
71 36.7 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

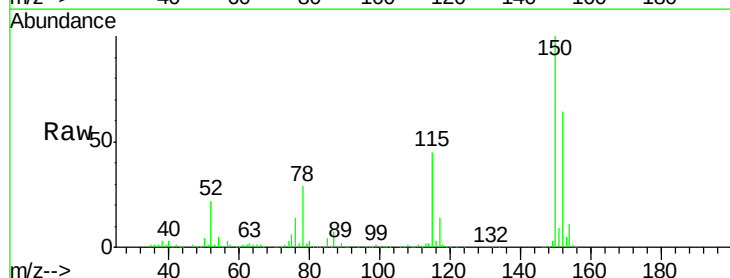
Tgt Ion: 79 Resp: 24729

Ion Ratio Lower Upper

79 100

108 29.3 61.4 92.0#

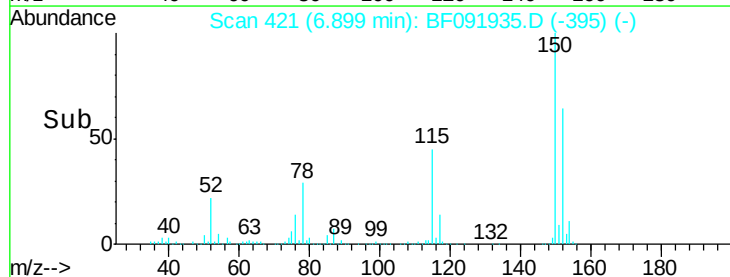
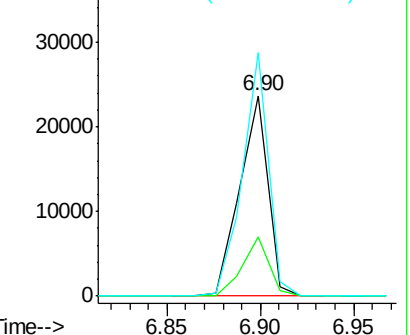
77 121.5 50.9 76.3#

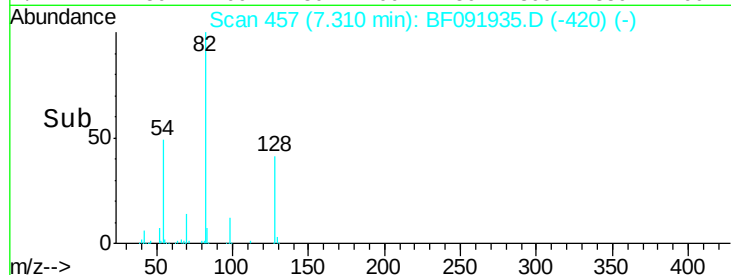
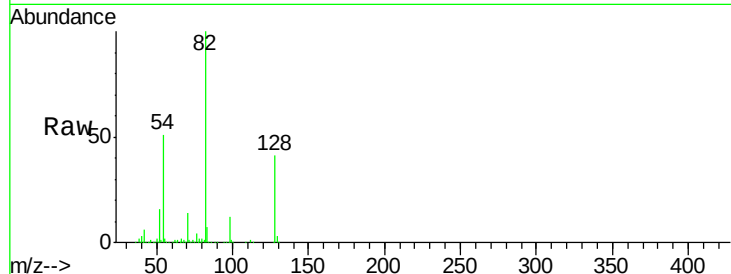
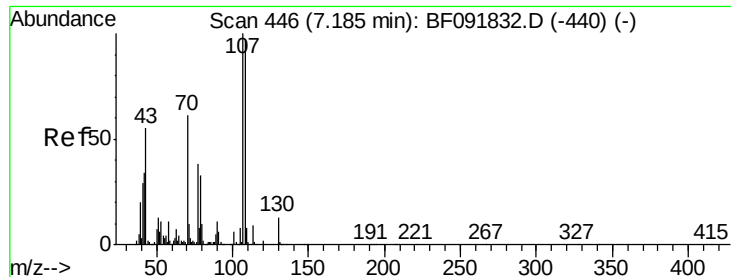


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

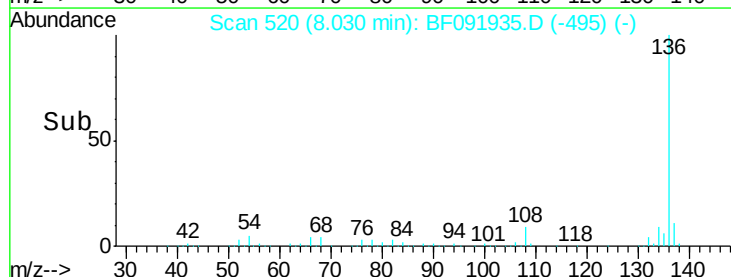
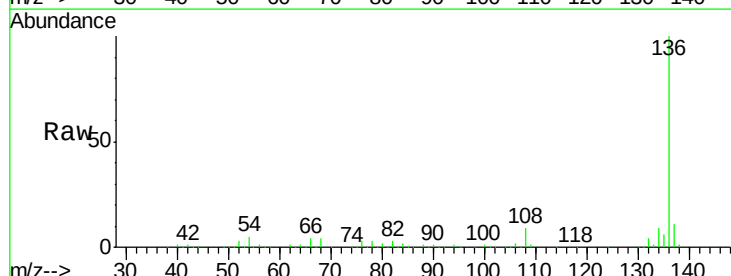
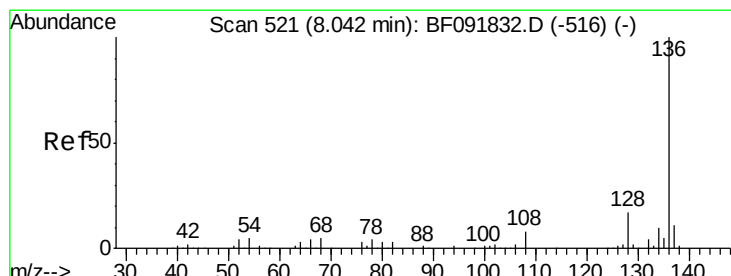
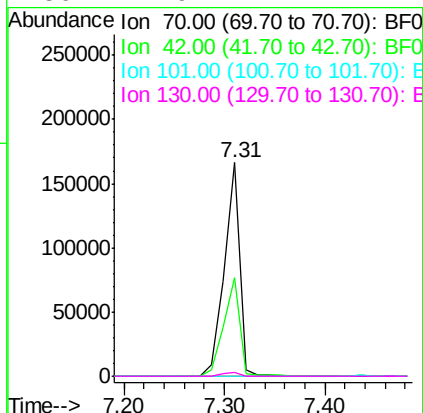




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.73 ng  
RT: 7.31 min Scan# 457  
Delta R.T. 0.13 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

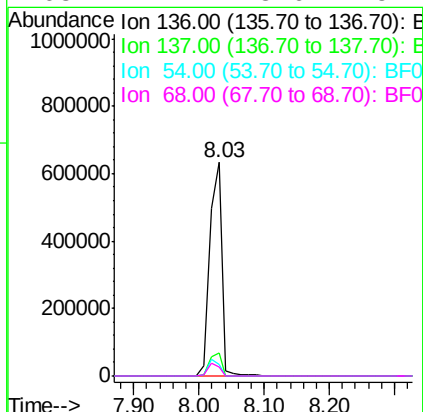
Instrument :  
BNA\_F  
ClientSampleId :  
FAZTEC-GENERAL-FILL

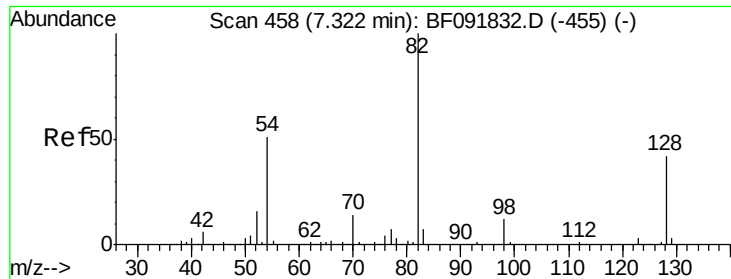
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 176392 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.1  | 49.4  | 74.0#  |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 1.9   | 14.2  | 21.4#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.01 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 824087 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.4   | 12.6   |
| 54       | 5.5   | 4.5   | 6.7    |
| 68       | 4.2   | 3.6   | 5.4    |

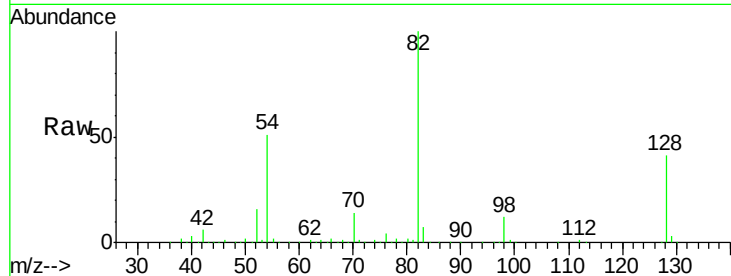




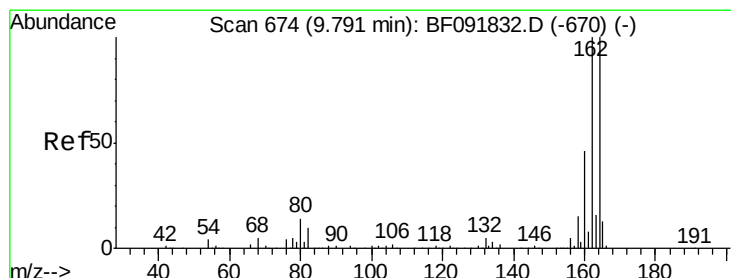
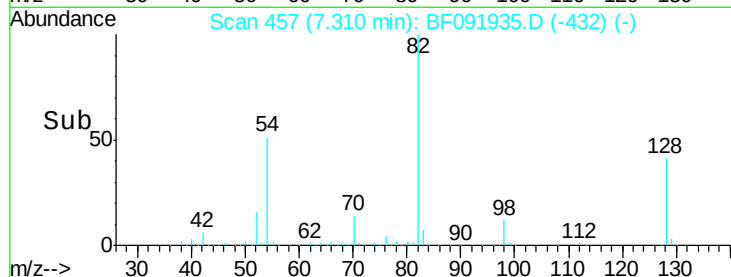
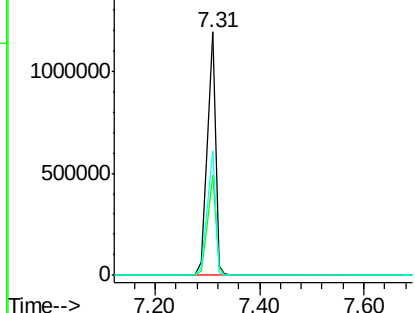
#23  
 Nitrobenzene-d5  
 Concen: 87.26 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.01 min  
 Lab File: BF091935.D  
 Acq: 23 Dec 2016 20:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FAZTEC-GENERAL-FILL

Tgt Ion: 82 Resp: 1293247  
 Ion Ratio Lower Upper  
 82 100  
 128 41.0 34.6 52.0  
 54 51.0 39.5 59.3

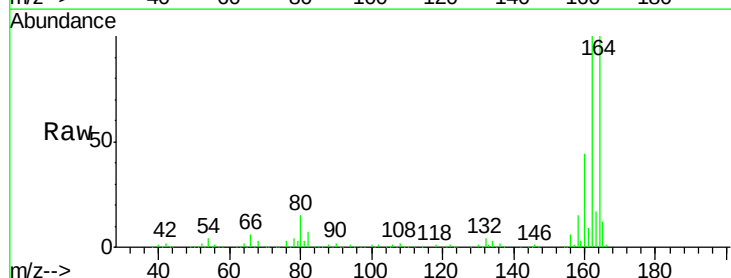


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

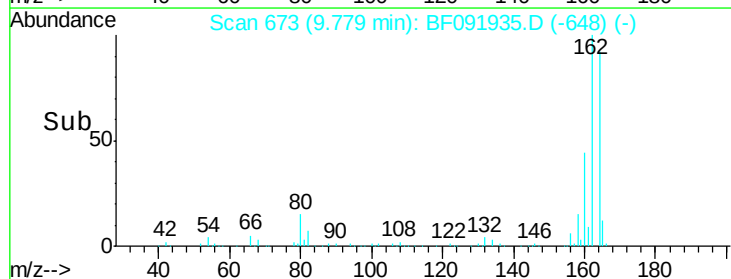
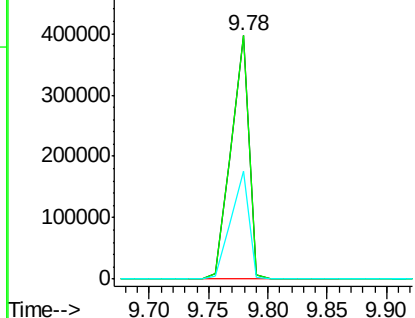


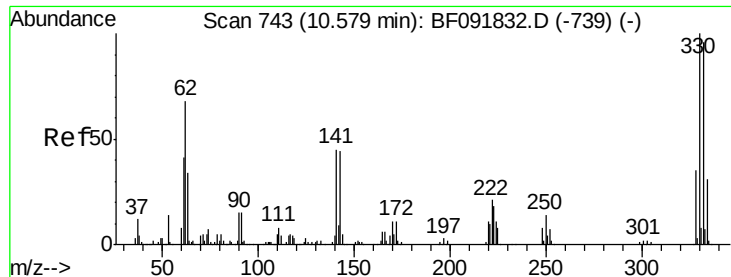
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.01 min  
 Lab File: BF091935.D  
 Acq: 23 Dec 2016 20:27

Tgt Ion: 164 Resp: 415342  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 80.2 120.2  
 160 44.3 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

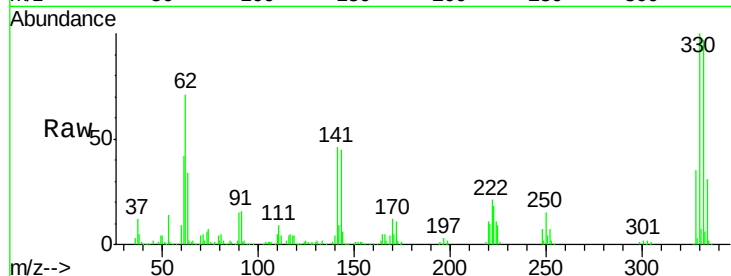




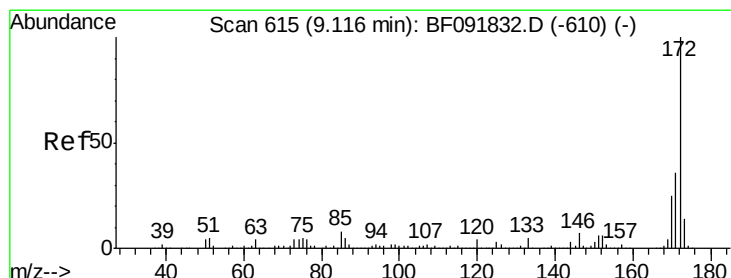
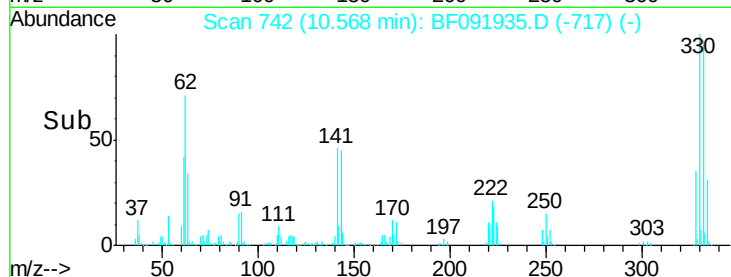
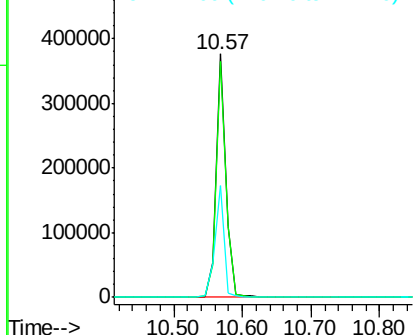
#41  
 2,4,6-Tribromophenol  
 Concen: 110.98 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.01 min  
 Lab File: BF091935.D  
 Acq: 23 Dec 2016 20:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FAZTEC-GENERAL-FILL

Tgt Ion:330 Resp: 381480  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.4 116.2  
 141 42.9 34.1 51.1

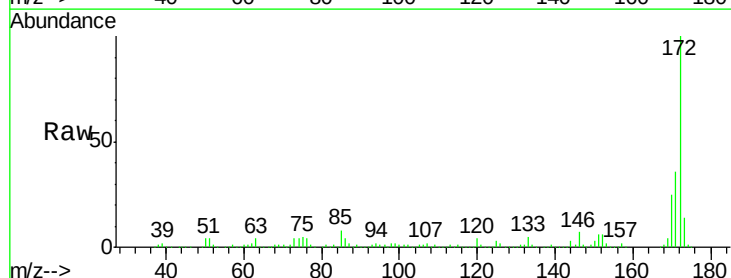


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

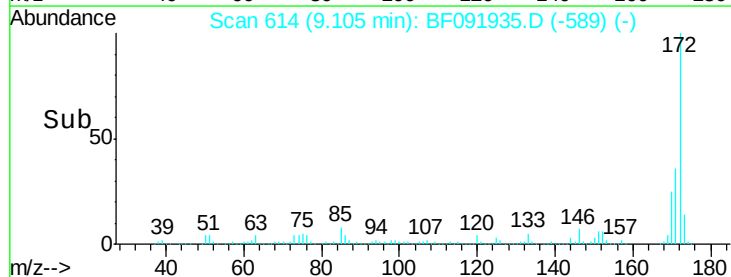
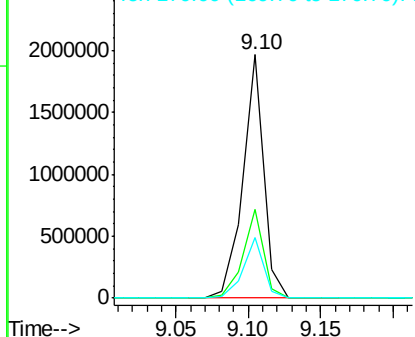


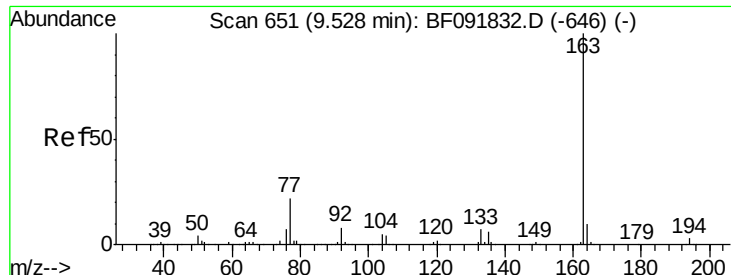
#44  
 2-Fluorobiphenyl  
 Concen: 99.01 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.01 min  
 Lab File: BF091935.D  
 Acq: 23 Dec 2016 20:27

Tgt Ion:172 Resp: 1963899  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 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

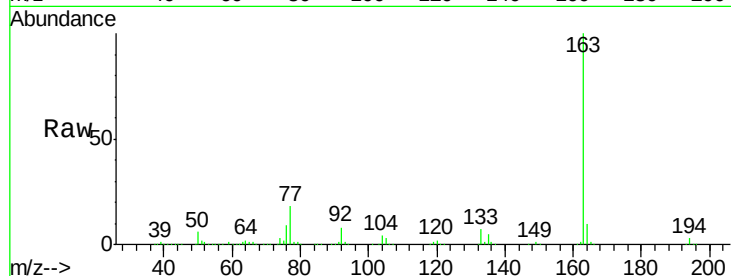




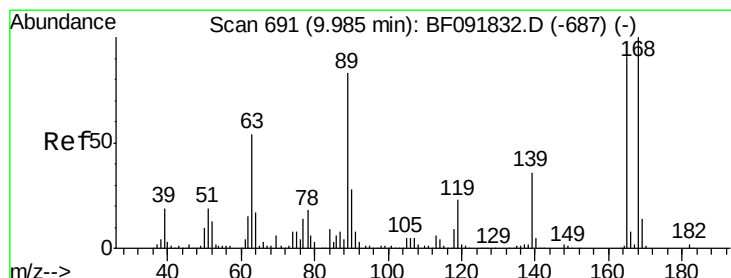
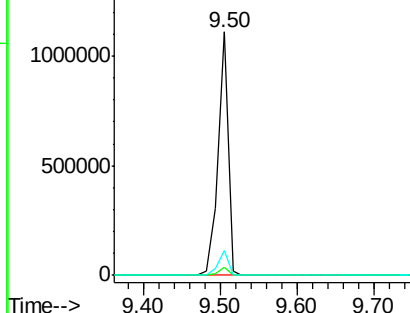
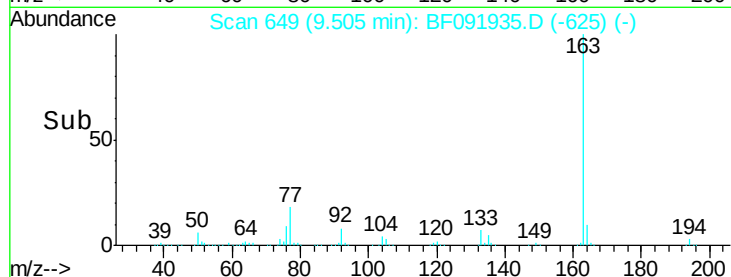
#49  
Dimethylphthalate  
Concen: 37.87 ng  
RT: 9.50 min Scan# 649  
Delta R.T. -0.02 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

Instrument :  
BNA\_F  
ClientSampleId :  
FAZTEC-GENERAL-FILL

Tgt Ion:163 Resp: 1005995  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.4  
164 10.1 8.0 12.0

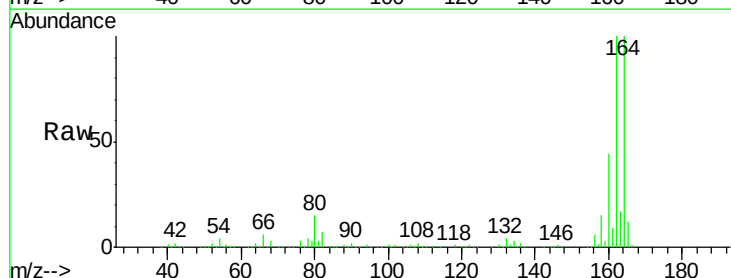


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

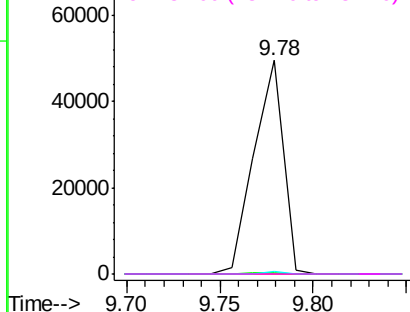
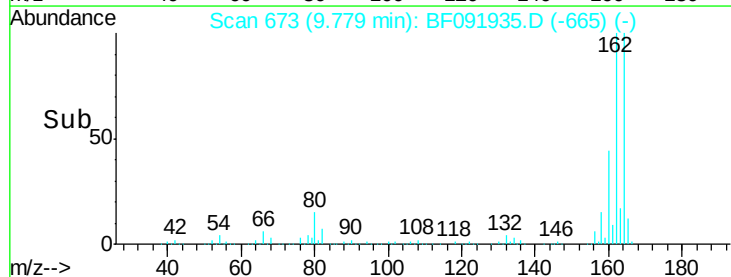


#56  
2,4-Dinitrotoluene  
Concen: 7.35 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.21 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

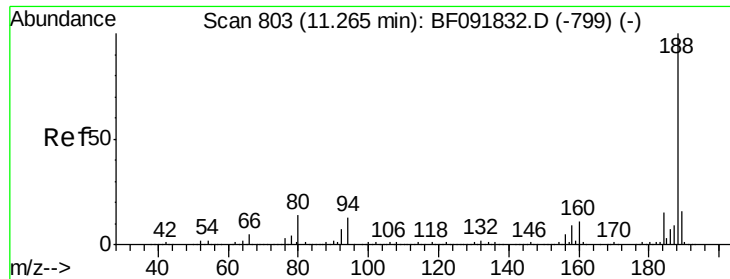
Tgt Ion:165 Resp: 53654  
Ion Ratio Lower Upper  
165 100  
63 0.8 40.2 60.4#  
89 1.1 62.5 93.7#  
182 0.0 1.8 2.8#



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



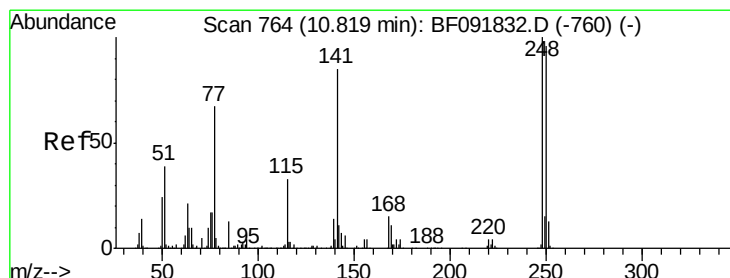
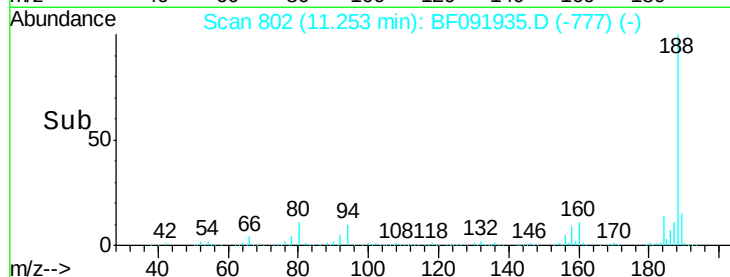
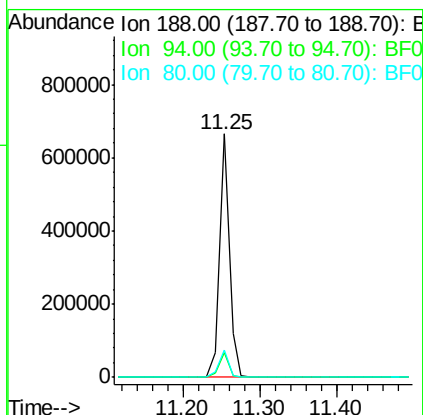
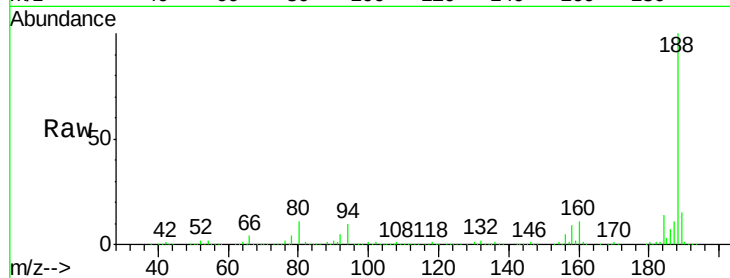




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

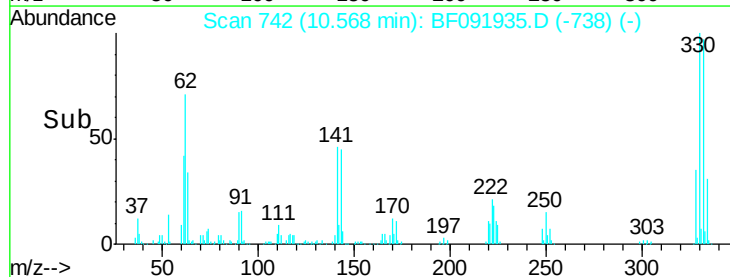
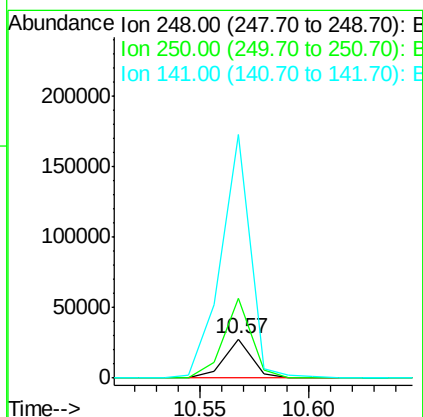
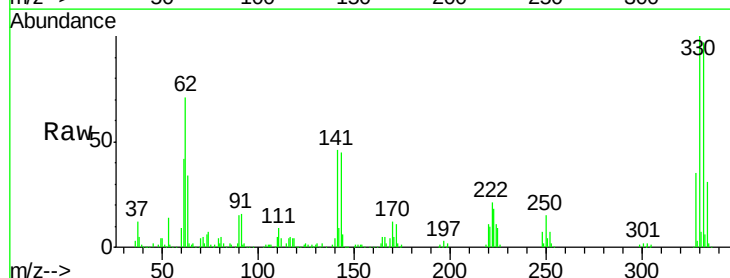
Instrument :  
BNA\_F  
ClientSampleId :  
FAZTEC-GENERAL-FILL

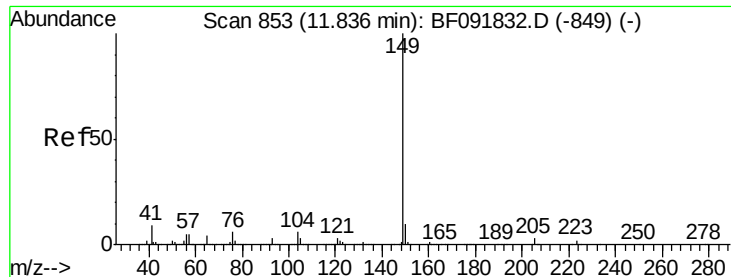
Tgt Ion:188 Resp: 595899  
Ion Ratio Lower Upper  
188 100  
94 10.2 10.0 15.0  
80 11.3 11.2 16.8



#66  
4-Bromophenyl-phenylether  
Concen: 4.02 ng  
RT: 10.57 min Scan# 742  
Delta R.T. -0.25 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

Tgt Ion:248 Resp: 24930  
Ion Ratio Lower Upper  
248 100  
250 204.0 76.9 115.3#  
141 626.7 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

Instrument :

BNA\_F

ClientSampleId :

FAZTEC-GENERAL-FILL

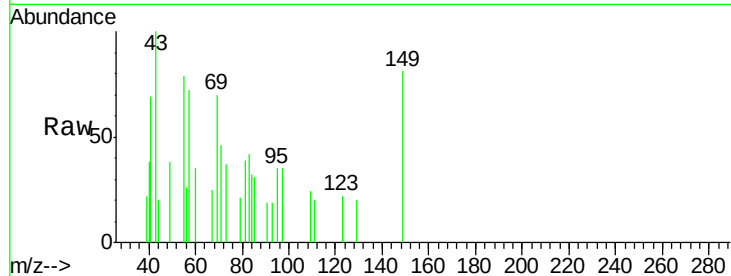
Tgt Ion:149 Resp: 1223

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

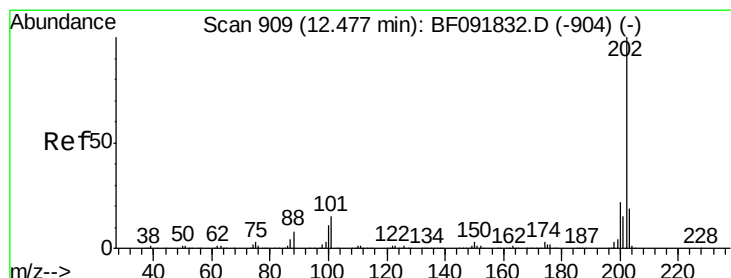
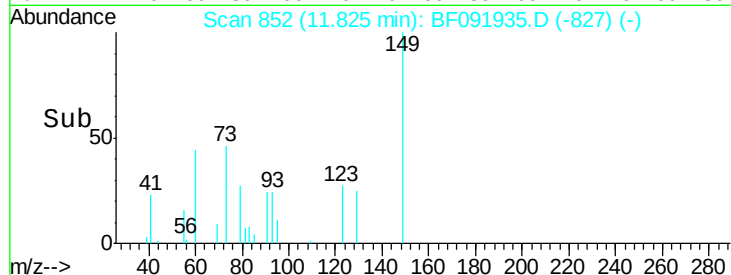
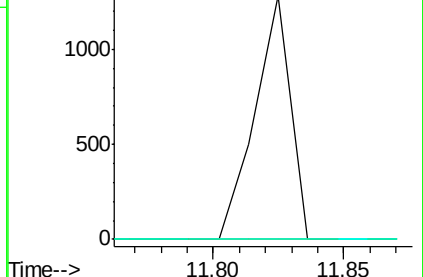
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

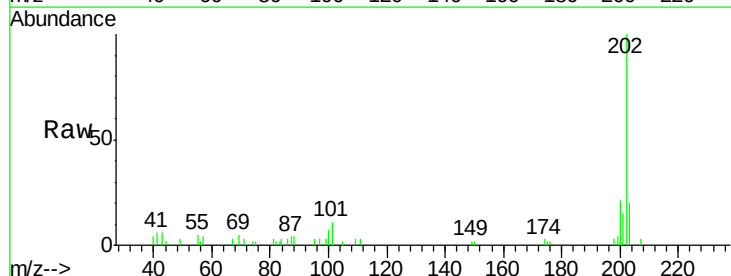
Tgt Ion:202 Resp: 14664

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.6

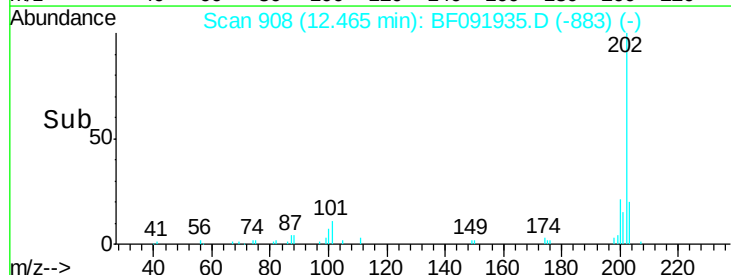
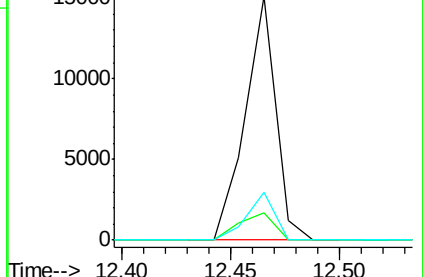
203 19.6 0.0 38.7

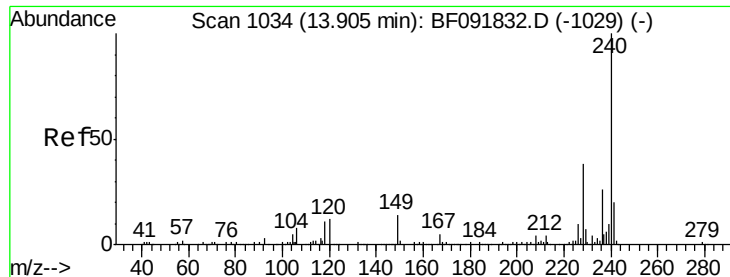


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

Instrument :

BNA\_F

ClientSampleId :

FAZTEC-GENERAL-FILL

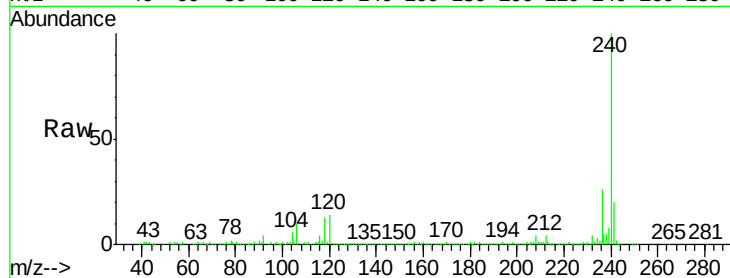
Tgt Ion:240 Resp: 403976

Ion Ratio Lower Upper

240 100

120 14.2 12.9 19.3

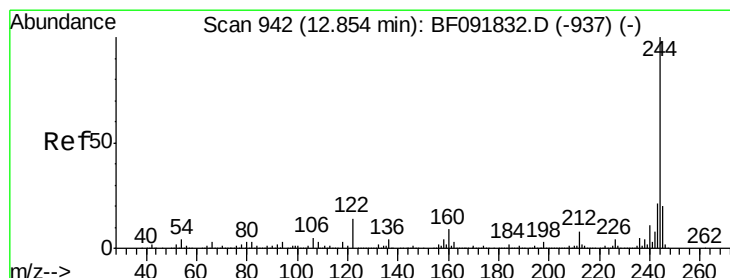
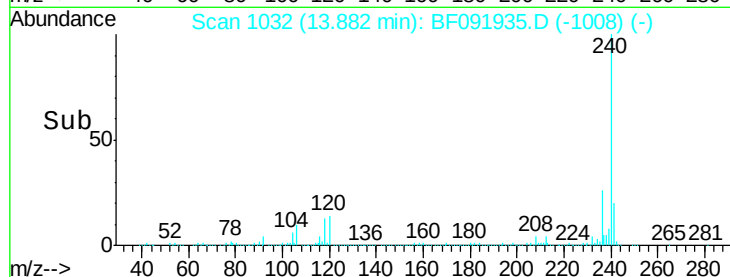
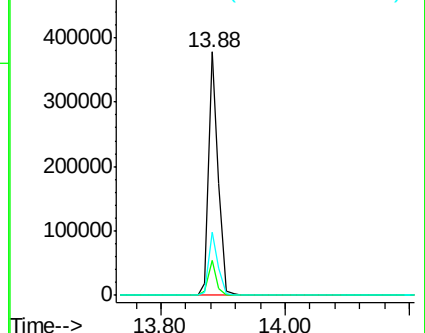
236 26.1 20.9 31.3



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: 85.39 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091935.D

Acq: 23 Dec 2016 20:27

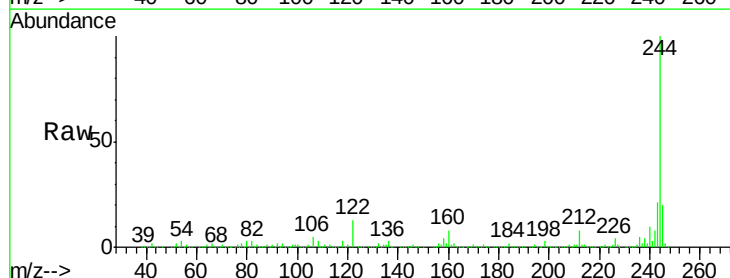
Tgt Ion:244 Resp: 1422286

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

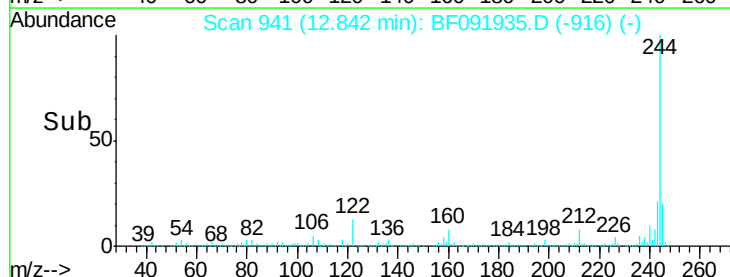
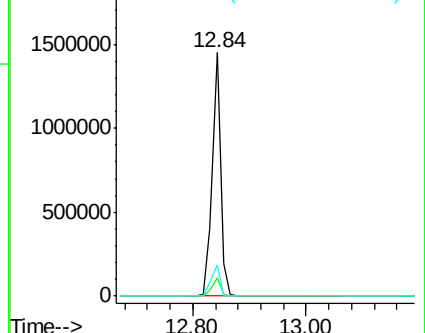
122 13.0 11.4 17.2

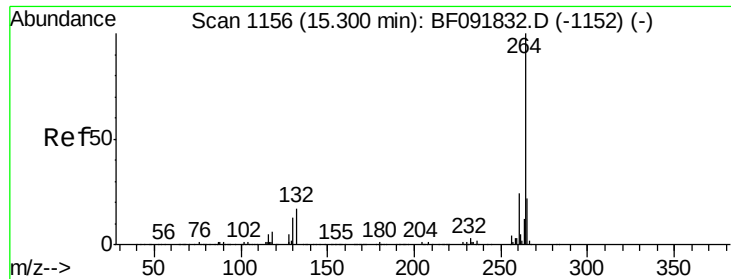


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.28 min Scan# 1154  
Delta R.T. -0.02 min  
Lab File: BF091935.D  
Acq: 23 Dec 2016 20:27

Instrument :  
BNA\_F  
ClientSampleId :  
FAZTEC-GENERAL-FILL

Tgt Ion: 264 Resp: 378381  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.2 28.8  
265 22.2 17.4 26.0

