

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF043016\  
 Data File : BF086544.D  
 Acq On : 1 May 2016 1:54  
 Operator : UM/SJ  
 Sample : H2720-02  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1D46

Quant Time: May 02 00:44:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

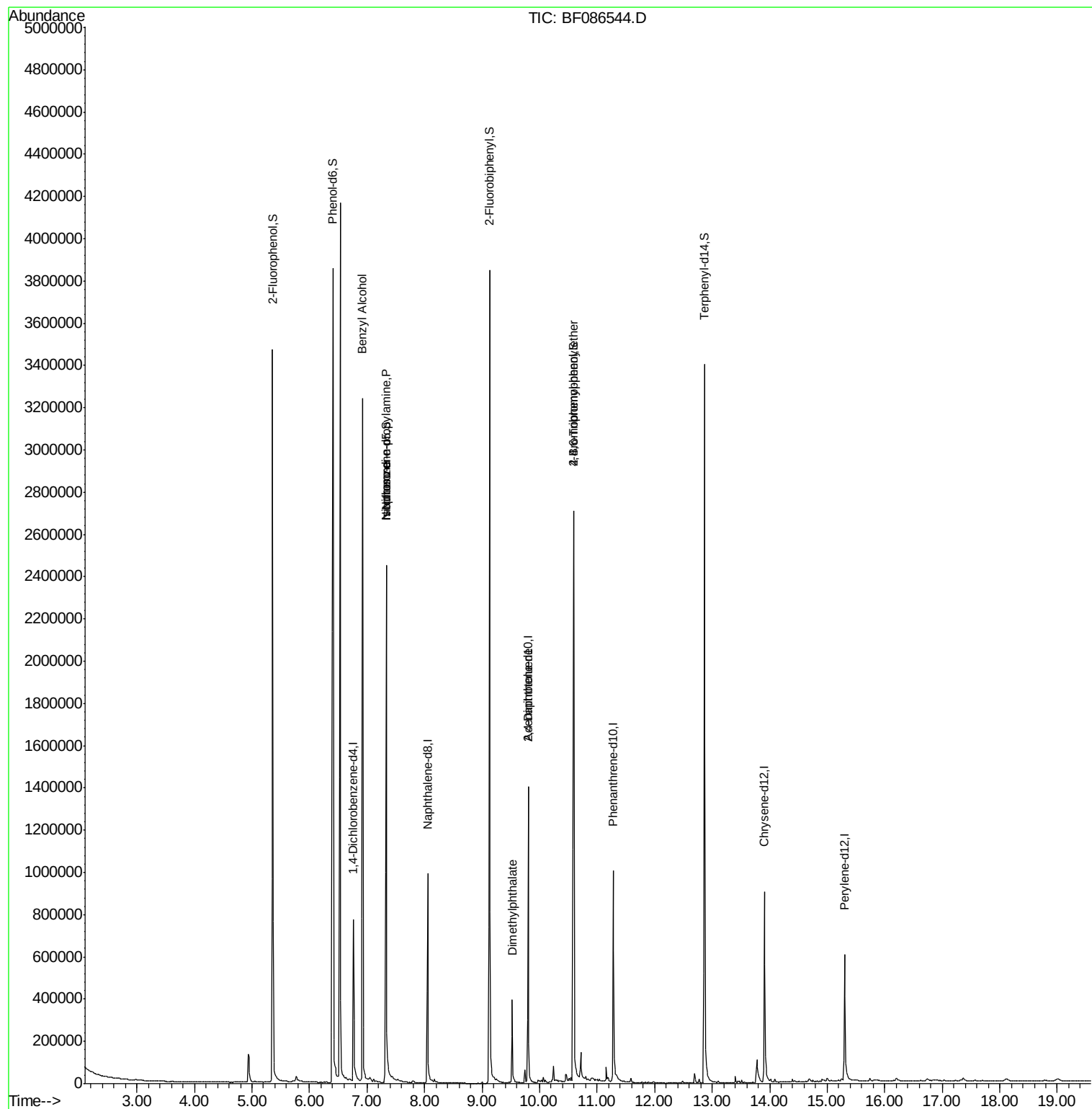
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 130152   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.05  | 136  | 555097   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.80  | 164  | 277614   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.28 | 188  | 528037   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 13.91 | 240  | 439482   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 15.30 | 264  | 327514   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 961687   | 127.45 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.41  | 99   | 1494316  | 141.89 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 930220   | 90.33  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 360958   | 123.29 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 1284185  | 79.89  | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.87 | 244  | 1327147  | 66.53  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.92  | 79   | 15051    | 2.26   | ng    | # 40     |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 124392   | 17.87  | ng    | # 79     |
| 25) Isophorone                 | 7.33  | 82   | 692951   | 34.96  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.53  | 163  | 211224   | 10.11  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 34300    | 6.23   | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.59 | 248  | 21707    | 3.99   | ng    | # 1      |

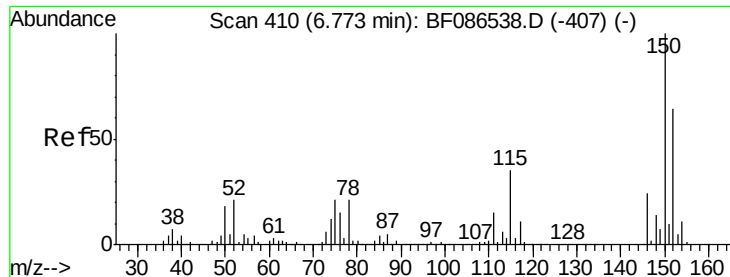
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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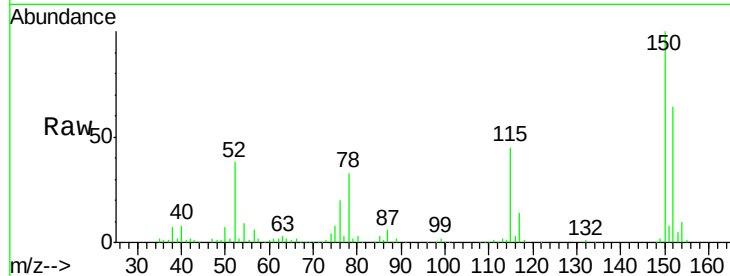


#1

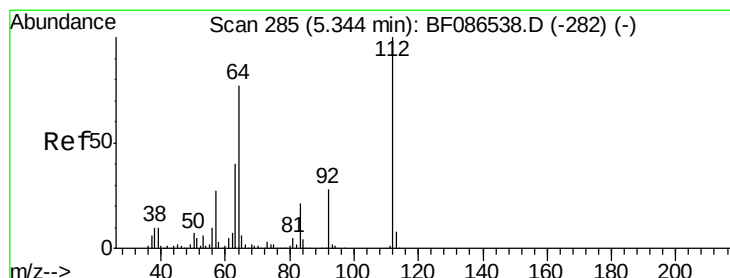
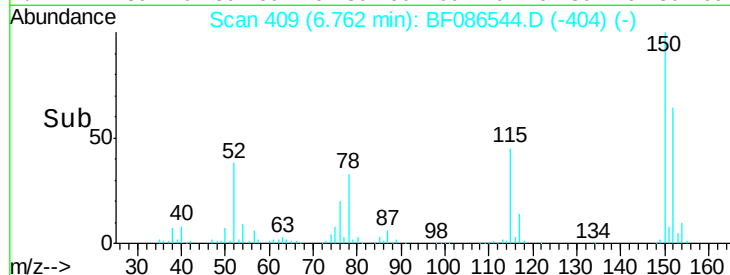
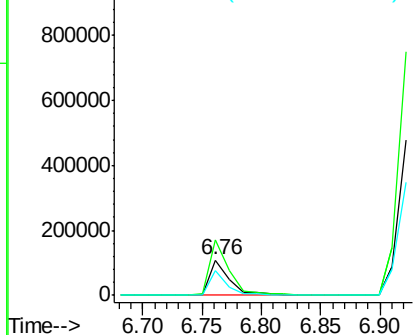
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.76 min Scan# 409  
Delta R.T. -0.05 min  
Lab File: BF086544.D  
Acq: 1 May 2016 1:54

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1D46

Tgt Ion:152 Resp: 130152  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.8 188.6  
115 70.1 51.5 77.3



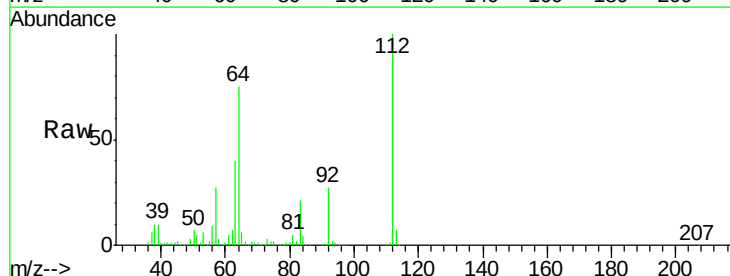
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



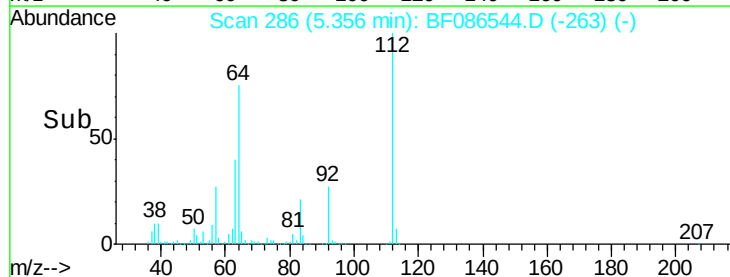
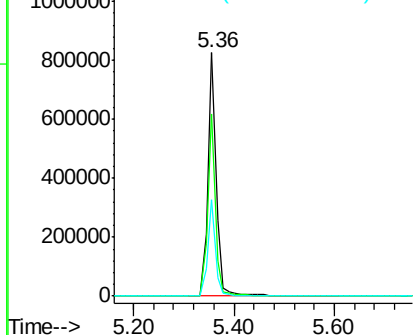
#5

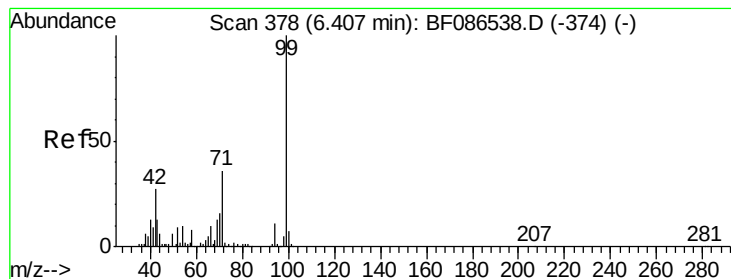
2-Fluorophenol  
Concen: 127.45 ng  
RT: 5.36 min Scan# 286  
Delta R.T. -0.03 min  
Lab File: BF086544.D  
Acq: 1 May 2016 1:54

Tgt Ion:112 Resp: 961687  
Ion Ratio Lower Upper  
112 100  
64 74.9 52.1 78.1  
63 39.6 25.7 38.5#



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: 141.89 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

Instrument :

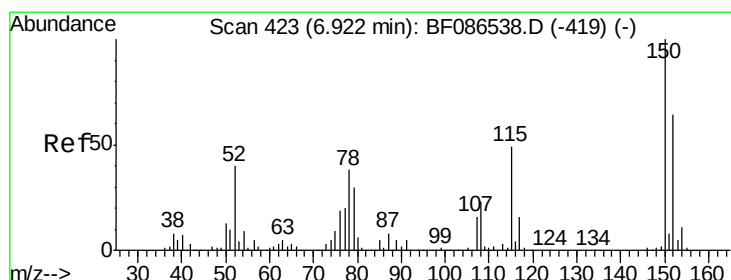
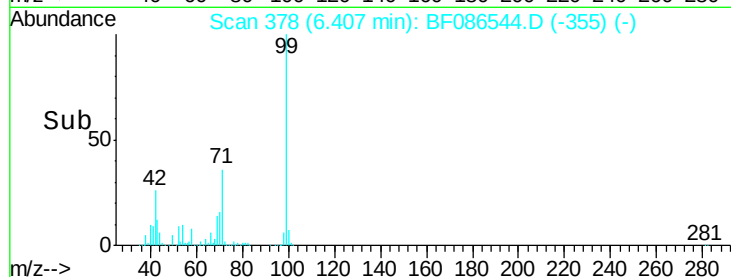
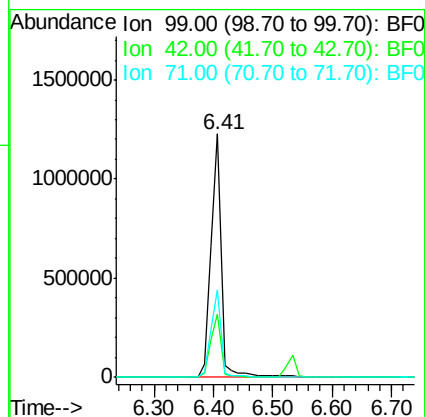
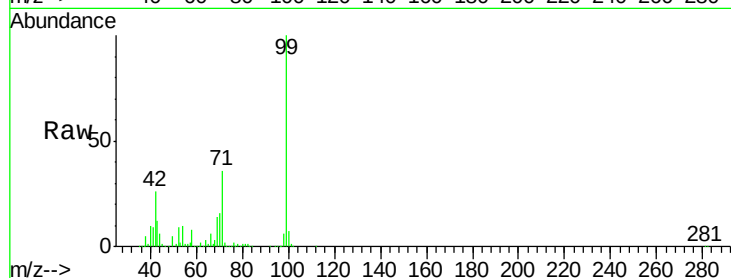
BNA\_F

ClientSampleId :

TP-1D46

Tgt Ion: 99 Resp: 1494316

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.8  | 13.6  | 20.4# |
| 71  | 36.1  | 24.6  | 36.8  |



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.92 min Scan# 423

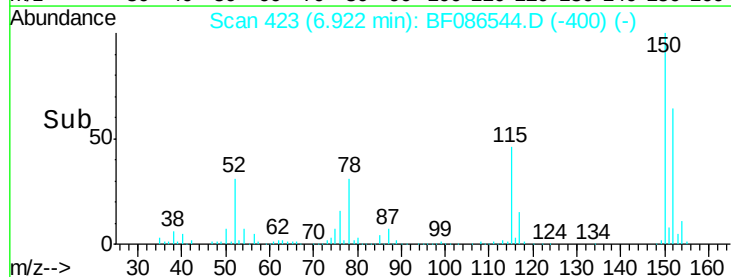
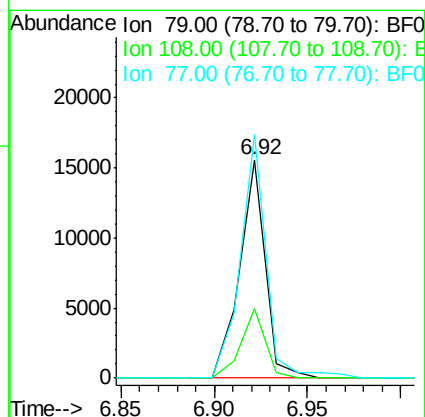
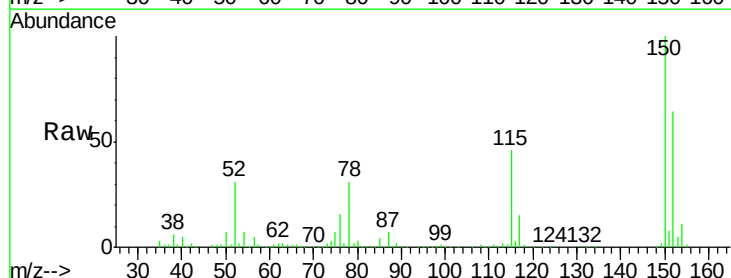
Delta R.T. -0.03 min

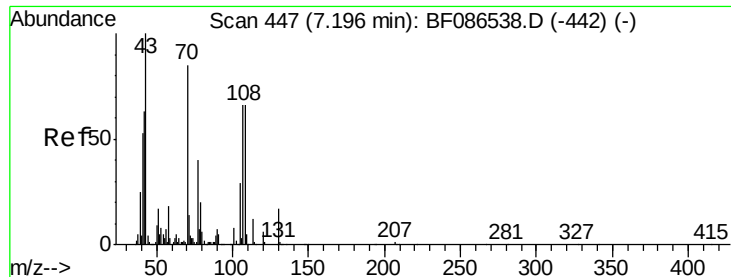
Lab File: BF086544.D

Acq: 1 May 2016 1:54

Tgt Ion: 79 Resp: 15051

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 79  | 100   |       |        |
| 108 | 31.8  | 68.4  | 102.6# |
| 77  | 111.4 | 50.6  | 76.0#  |

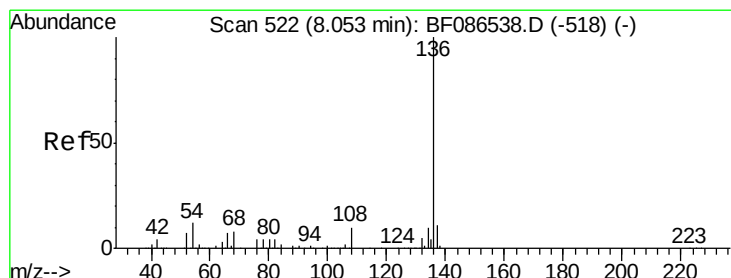
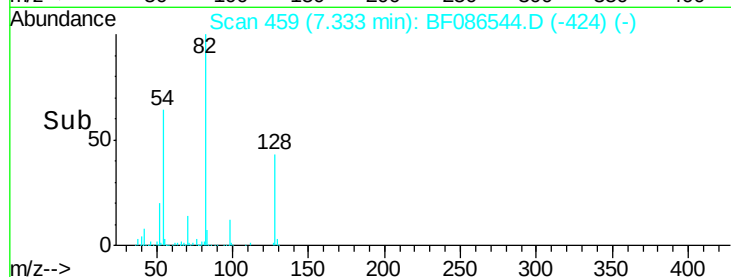
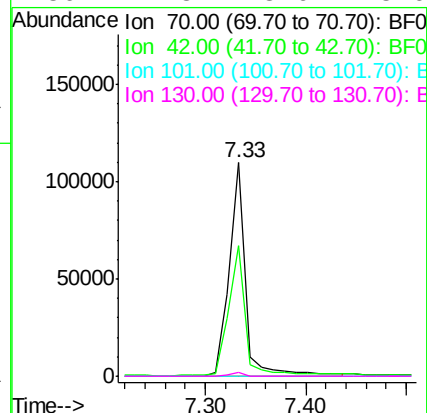
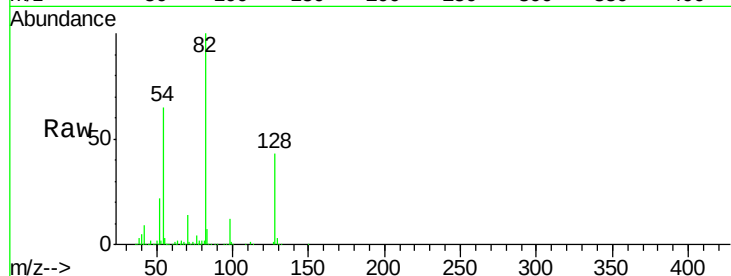




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.87 ng  
RT: 7.33 min Scan# 459  
Delta R.T. 0.10 min  
Lab File: BF086544.D  
Acq: 1 May 2016 1:54

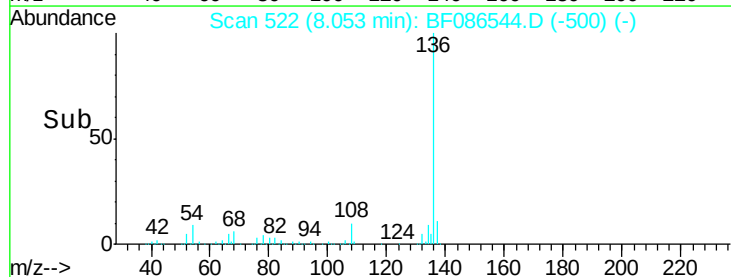
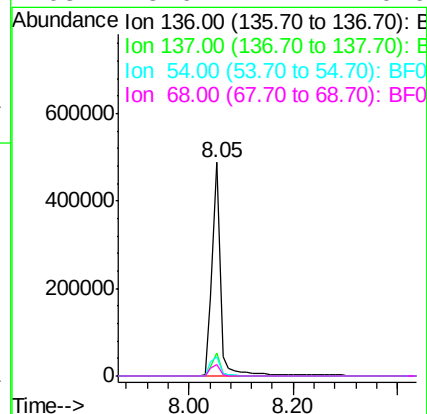
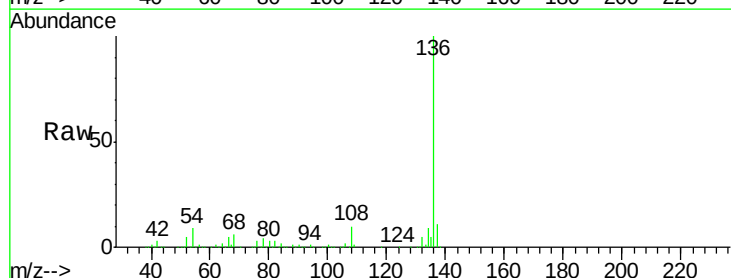
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1D46

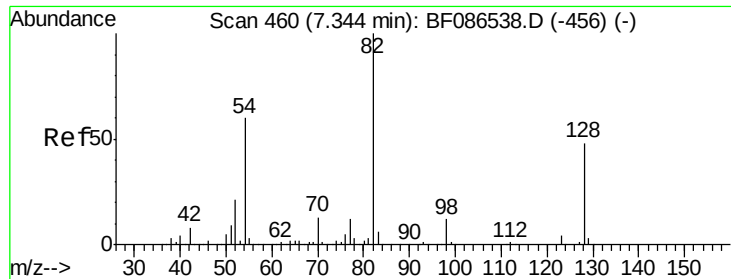
Tgt Ion: 70 Resp: 124392  
Ion Ratio Lower Upper  
70 100  
42 60.9 43.1 64.7  
101 0.0 8.1 12.1#  
130 1.8 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.05 min Scan# 522  
Delta R.T. -0.05 min  
Lab File: BF086544.D  
Acq: 1 May 2016 1:54

Tgt Ion: 136 Resp: 555097  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 9.2 5.0 7.4#  
68 5.6 4.4 6.6

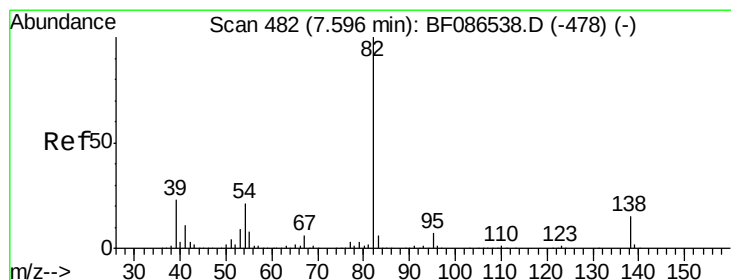
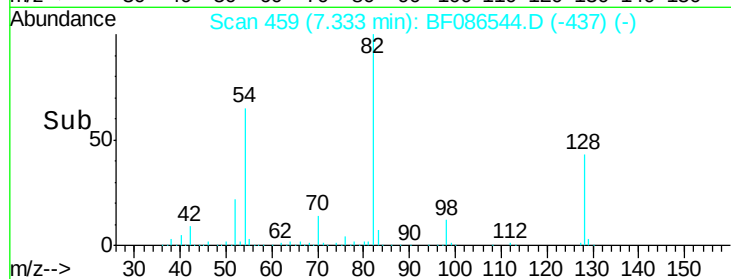
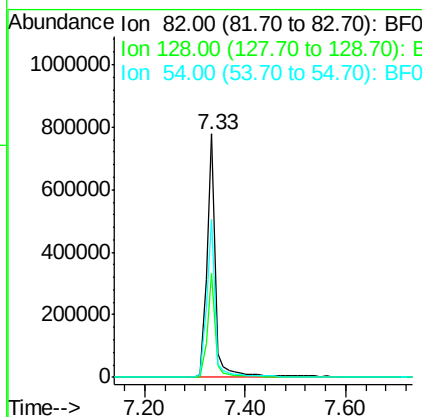
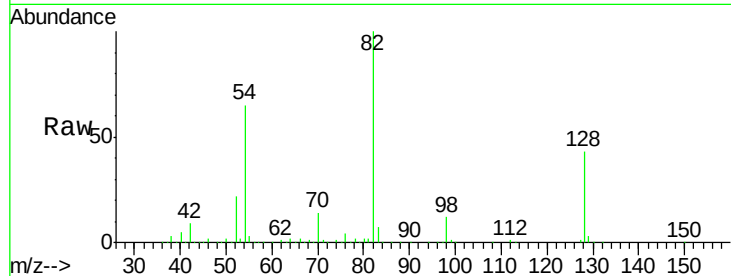




#23  
 Nitrobenzene-d5  
 Concen: 90.33 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.05 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

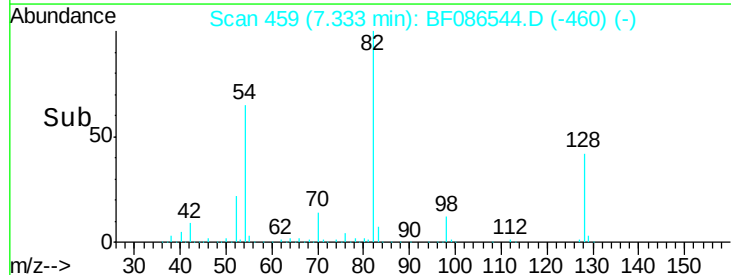
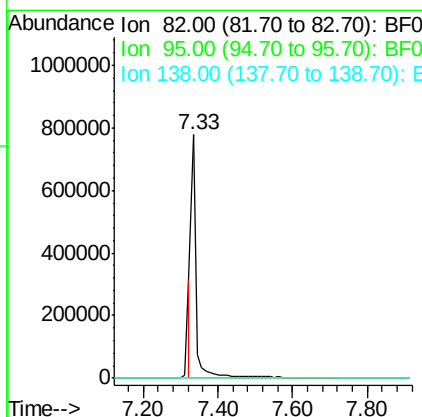
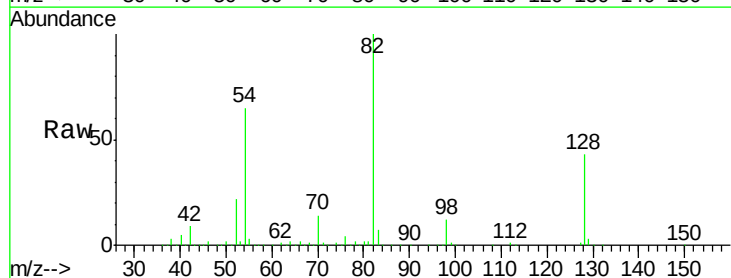
Instrument :  
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 ClientSampleId :  
 TP-1D46

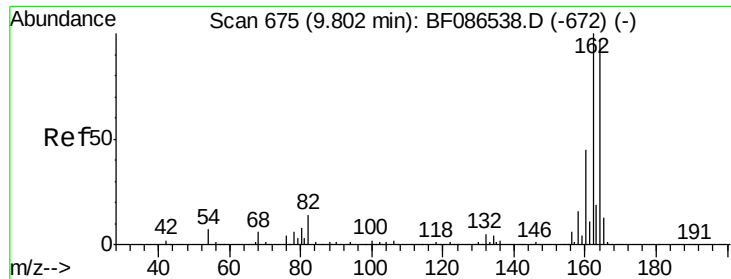
Tgt Ion: 82 Resp: 930220  
 Ion Ratio Lower Upper  
 82 100  
 128 42.6 40.6 61.0  
 54 64.9 38.1 57.1#



#25  
 Isophorone  
 Concen: 34.96 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.31 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

Tgt Ion: 82 Resp: 692951  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.1 7.7#  
 138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

Instrument :

BNA\_F

ClientSampleId :

TP-1D46

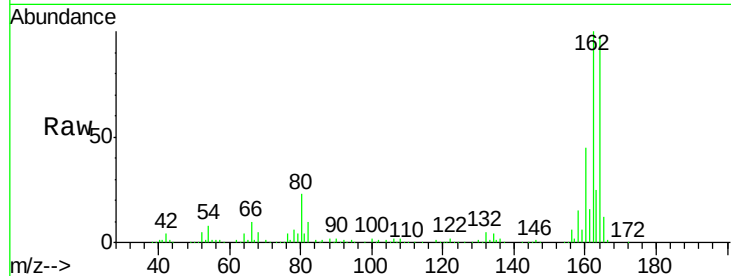
Tgt Ion:164 Resp: 277614

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

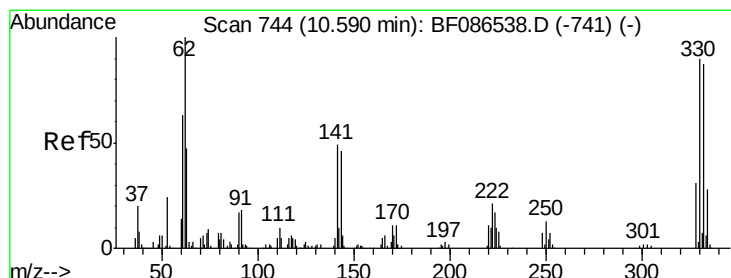
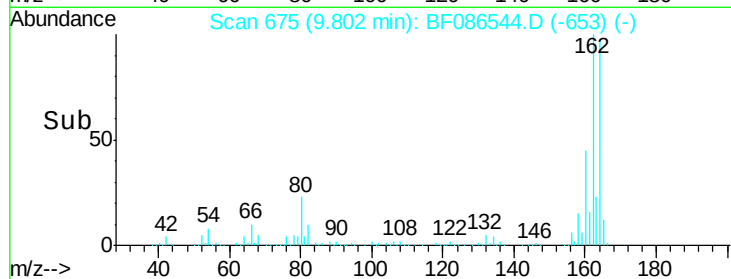
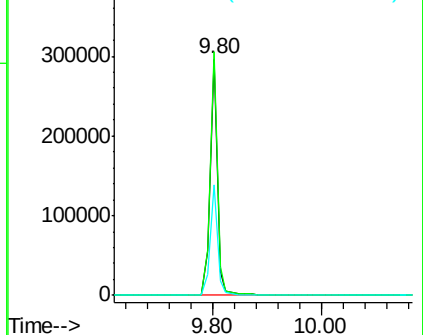
160 46.7 36.9 55.3



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: 123.29 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

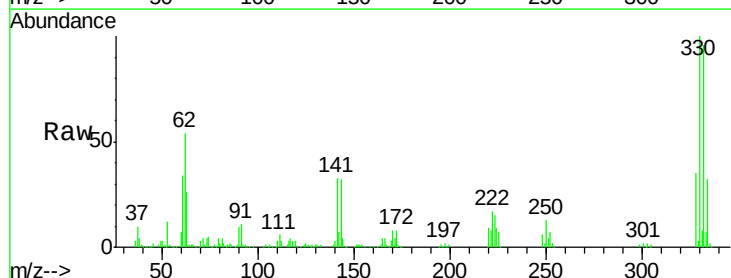
Tgt Ion:330 Resp: 360958

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.4

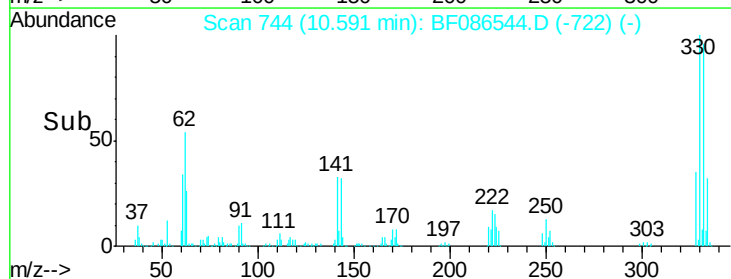
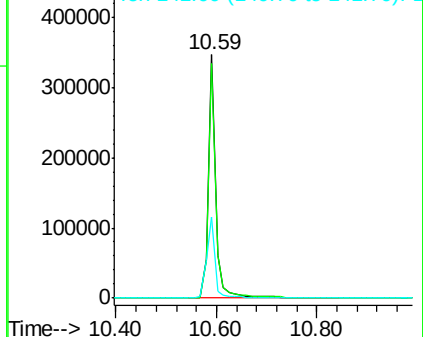
141 37.7 31.2 46.8

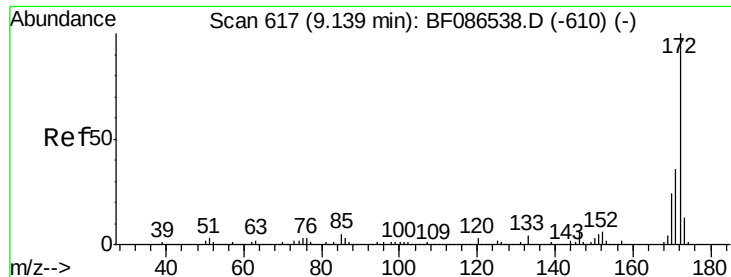


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

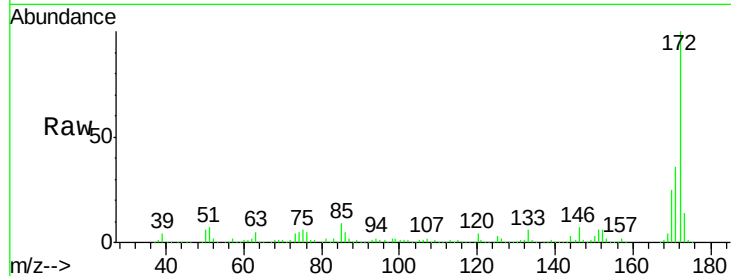




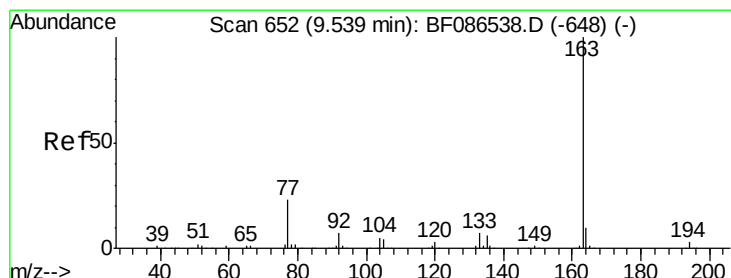
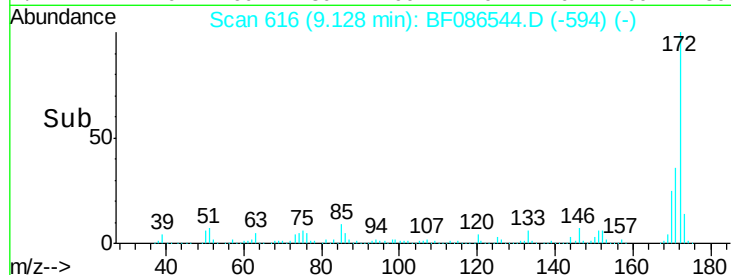
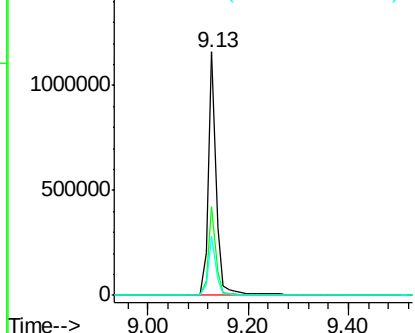
#44  
 2-Fluorobiphenyl  
 Concen: 79.89 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.05 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

Instrument :  
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Tgt Ion:172 Resp: 1284185  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 24.6 19.8 29.8

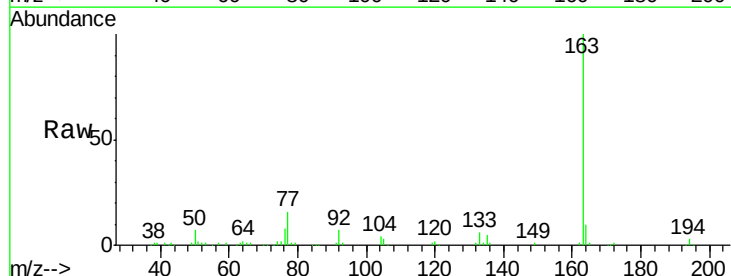


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

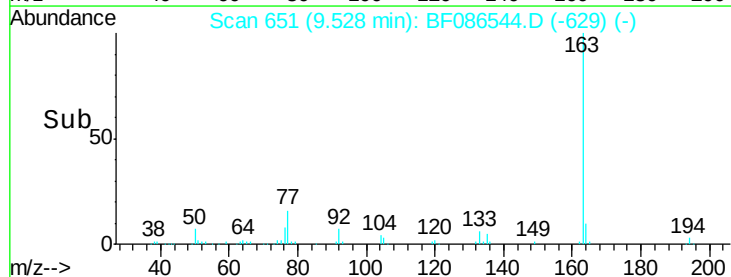
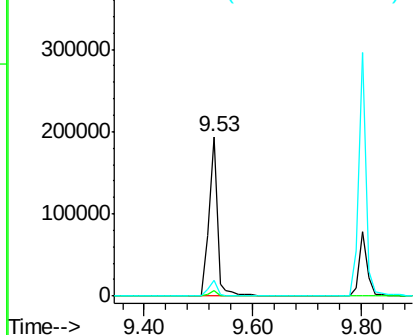


#49  
 Dimethylphthalate  
 Concen: 10.11 ng  
 RT: 9.53 min Scan# 651  
 Delta R.T. -0.05 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

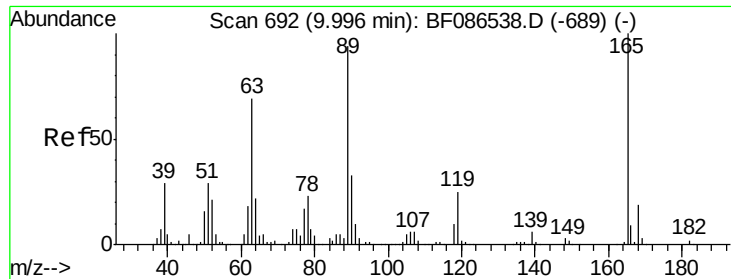
Tgt Ion:163 Resp: 211224  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.6 4.0  
 164 9.8 8.2 12.4



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



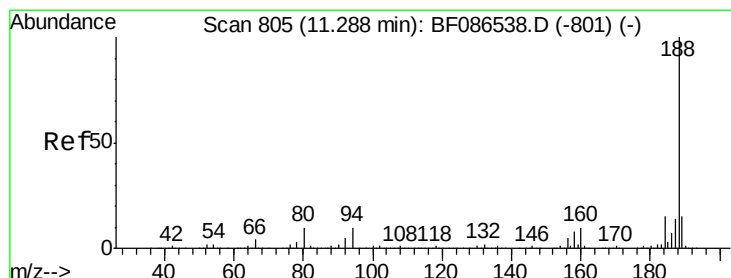
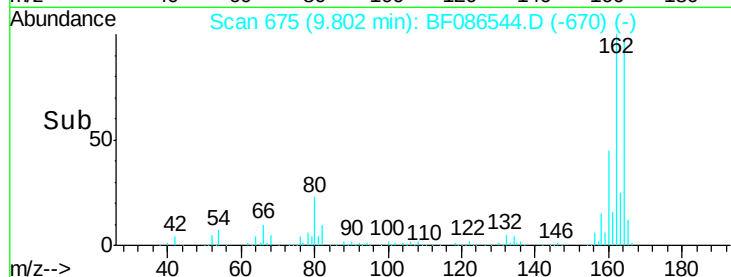
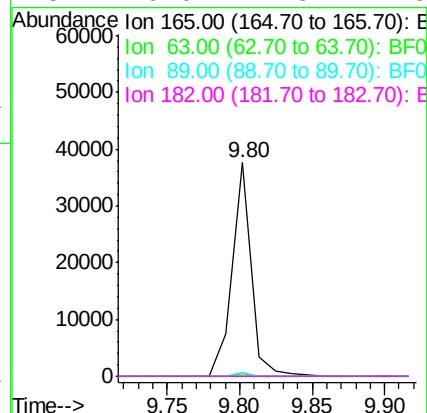
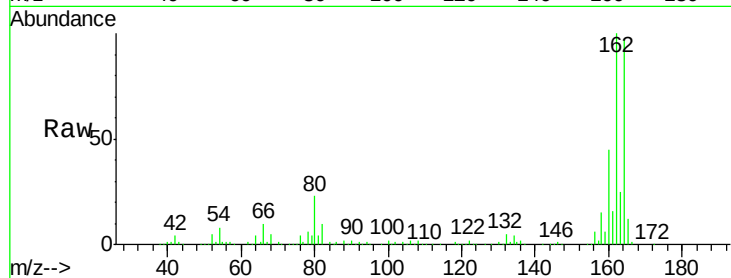




#56  
 2,4-Dinitrotoluene  
 Concen: 6.23 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.24 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

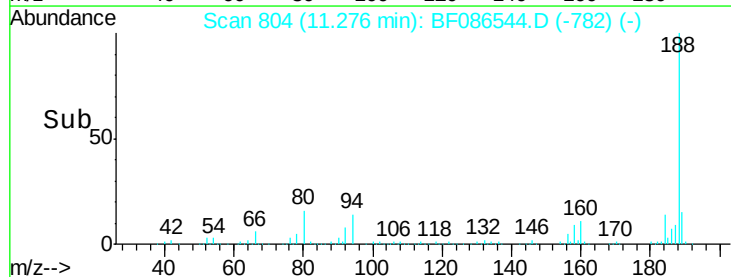
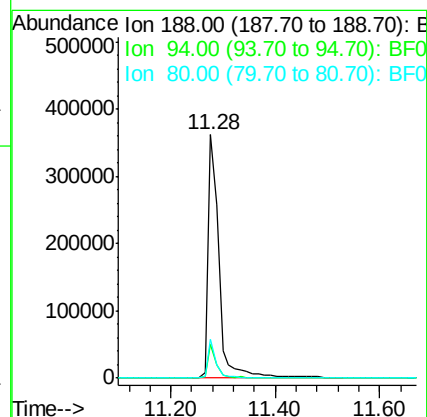
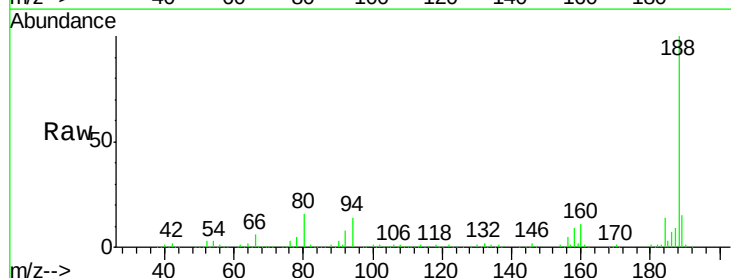
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1D46

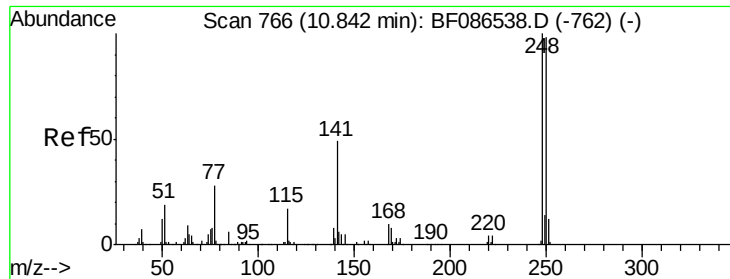
Tgt Ion:165 Resp: 34300  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 44.3 66.5#  
 89 1.8 70.0 105.0#  
 182 0.0 1.8 2.6#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.28 min Scan# 804  
 Delta R.T. -0.05 min  
 Lab File: BF086544.D  
 Acq: 1 May 2016 1:54

Tgt Ion:188 Resp: 528037  
 Ion Ratio Lower Upper  
 188 100  
 94 13.7 6.8 10.2#  
 80 15.7 7.1 10.7#





#66

4-Bromophenyl-phenylether

Concen: 3.99 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.29 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

Instrument :

BNA\_F

ClientSampleId :

TP-1D46

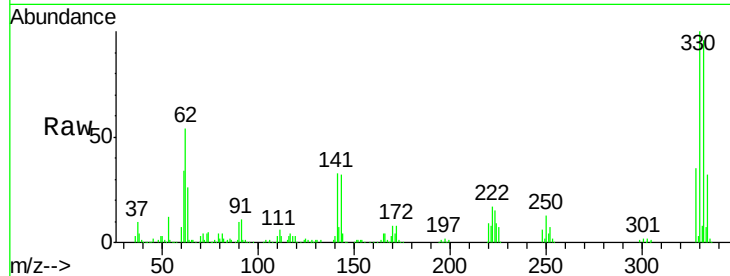
Tgt Ion:248 Resp: 21707

Ion Ratio Lower Upper

248 100

250 198.4 78.6 117.8#

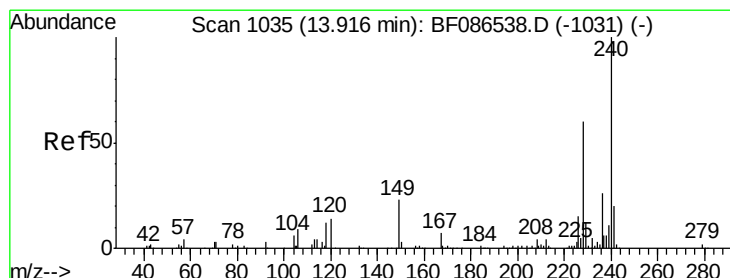
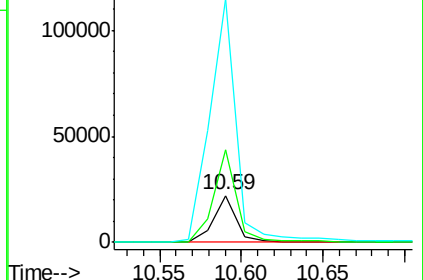
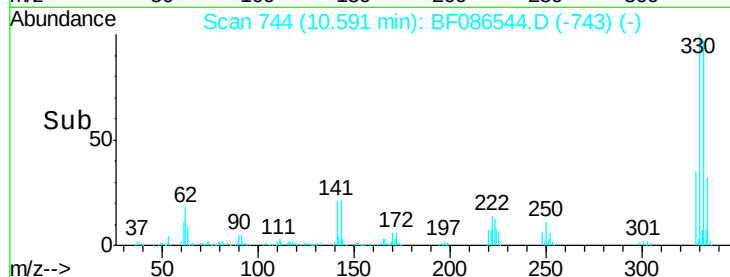
141 522.0 76.0 114.0#



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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

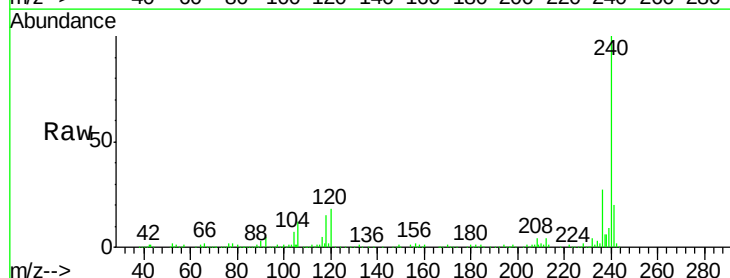
Tgt Ion:240 Resp: 439482

Ion Ratio Lower Upper

240 100

120 17.6 11.2 16.8#

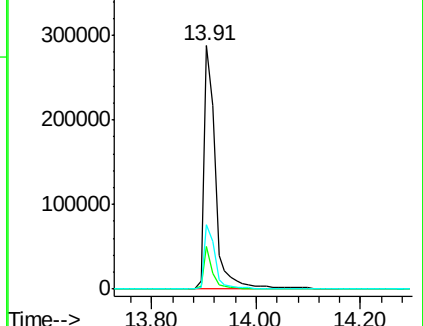
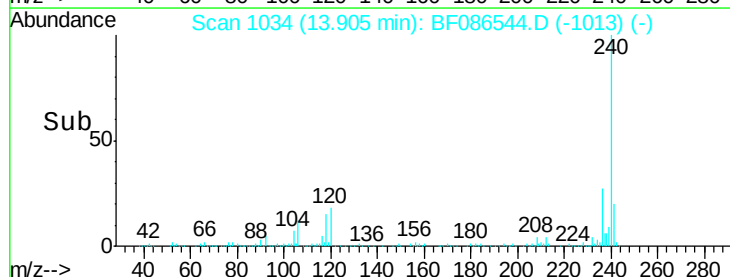
236 26.7 21.2 31.8

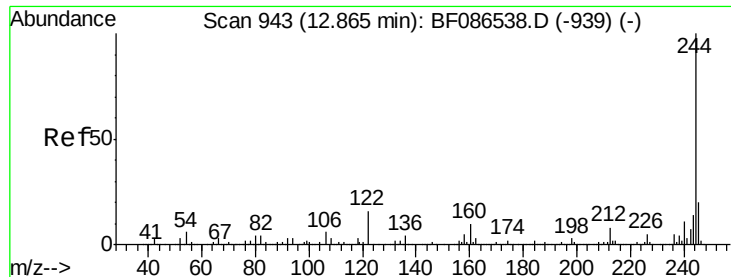


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.53 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

Instrument :

BNA\_F

ClientSampleId :

TP-1D46

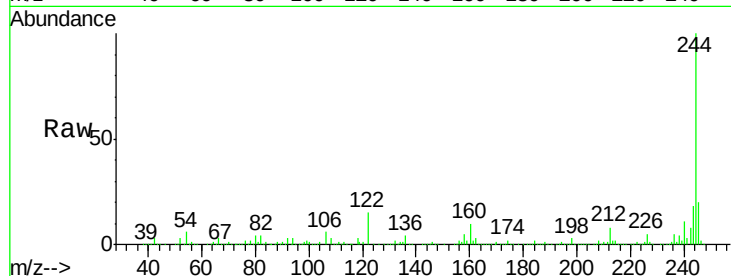
Tgt Ion:244 Resp: 1327147

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

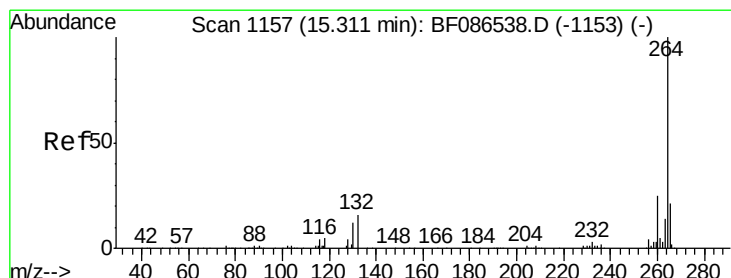
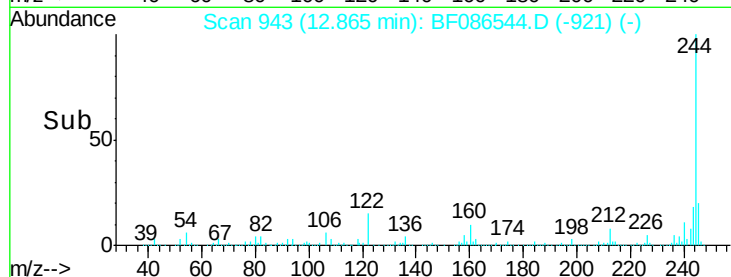
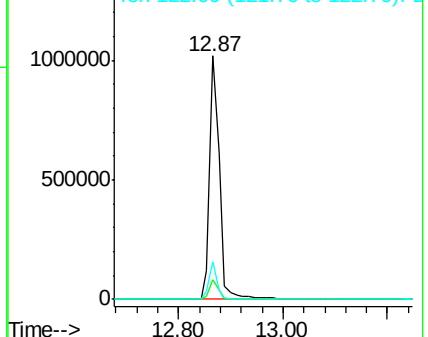
122 15.2 12.0 18.0



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: 15.30 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BF086544.D

Acq: 1 May 2016 1:54

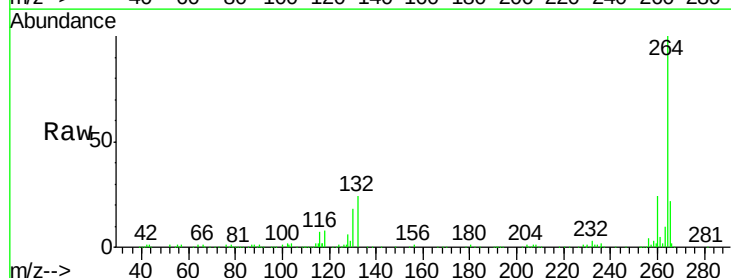
Tgt Ion:264 Resp: 327514

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.1 17.3 25.9



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

