

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100416\  
 Data File : BF090358.D  
 Acq On : 4 Oct 2016 22:45  
 Operator : UM/SJ  
 Sample : H4869-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-02

Quant Time: Oct 05 01:15:57 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF100416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 04 14:16:07 2016  
 Response via : Initial Calibration

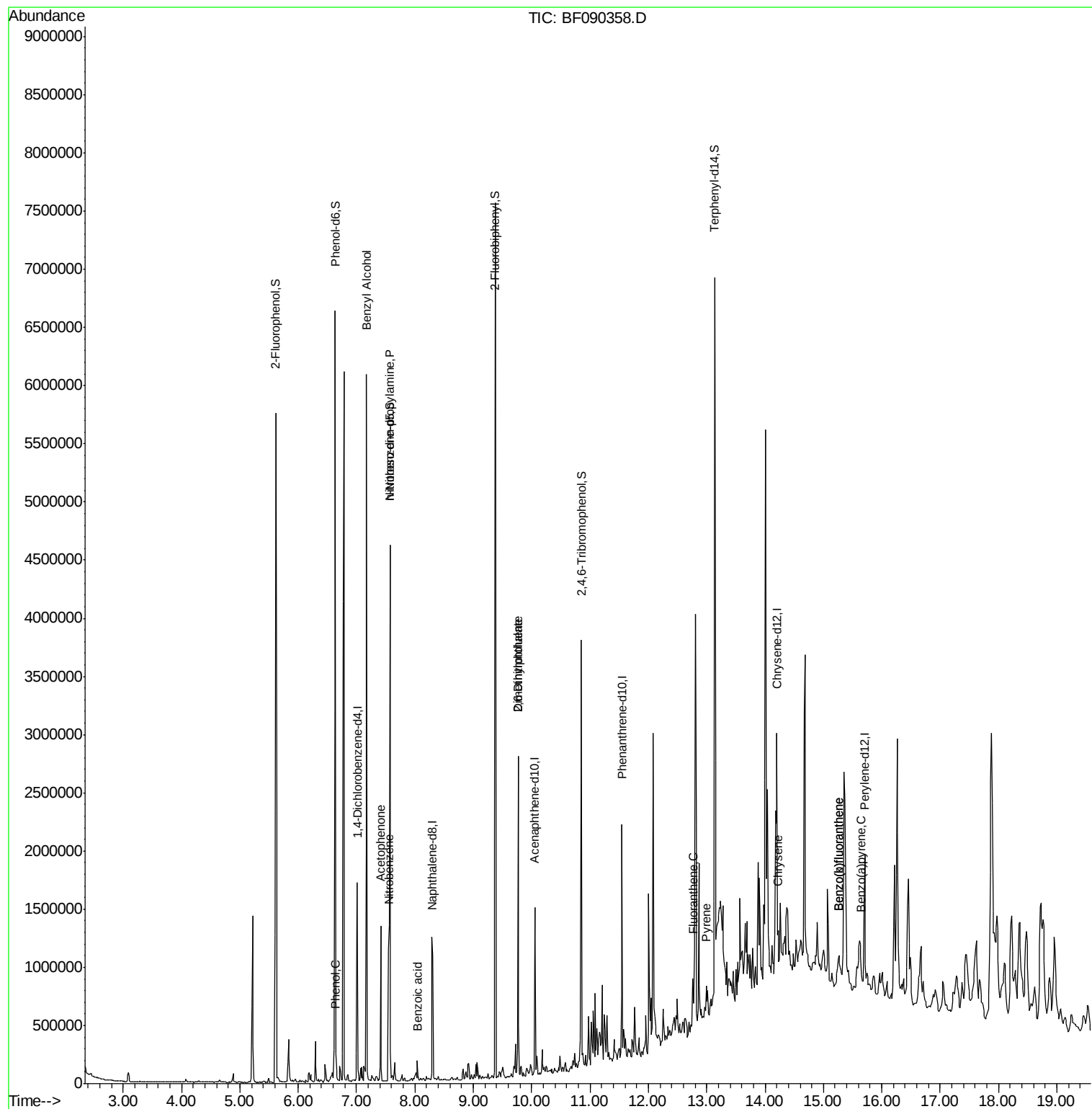
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.01  | 152  | 217588   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.30  | 136  | 765346   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 10.05 | 164  | 366648   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.55 | 188  | 664485   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.20 | 240  | 655072   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 15.71 | 264  | 519606   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.62  | 112  | 1815166  | 131.58 | ng    | 0.00      |
| 7) Phenol-d6                   | 6.63  | 99   | 2481698  | 143.92 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 1461964  | 111.35 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.85 | 330  | 550657   | 172.92 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.38  | 172  | 2062002  | 91.69  | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.14 | 244  | 1845291  | 65.58  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.65  | 94   | 58987    | 2.81   | ng    | Qvalue 84 |
| 15) Benzyl Alcohol             | 7.17  | 79   | 44747    | 3.68   | ng    | # 42      |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 208716   | 18.95  | ng    | # 66      |
| 22) Acetophenone               | 7.41  | 105  | 329379   | 18.59  | ng    | # 92      |
| 24) Nitrobenzene               | 7.55  | 77   | 56102    | 4.00   | ng    | # 53      |
| 32) Benzoic acid               | 8.05  | 122  | 802      | 5.35   | ng    | # 38      |
| 49) Dimethylphthalate          | 9.77  | 163  | 936561   | 43.15  | ng    | 99        |
| 50) 2,6-Dinitrotoluene         | 9.77  | 165  | 13020    | 2.74   | ng    | # 1       |
| 74) Fluoranthene               | 12.76 | 202  | 129628   | 3.83   | ng    | 97        |
| 77) Pyrene                     | 12.99 | 202  | 110354   | 2.63   | ng    | 97        |
| 82) Chrysene                   | 14.22 | 228  | 71932    | 2.09   | ng    | 96        |
| 87) Benzo(b)fluoranthene       | 15.26 | 252  | 139832   | 4.68   | ng    | # 81      |
| 88) Benzo(k)fluoranthene       | 15.26 | 252  | 139832   | 4.90   | ng    | # 85      |
| 89) Benzo(a)pyrene             | 15.64 | 252  | 55799    | 2.05   | ng    | # 75      |

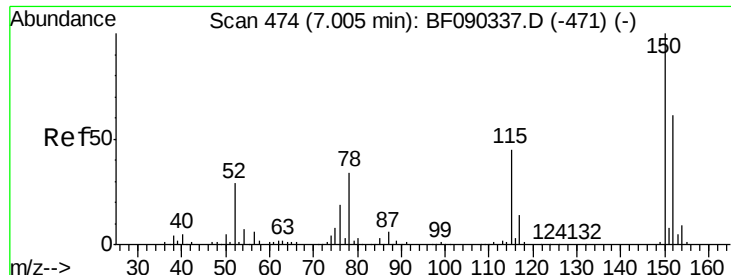
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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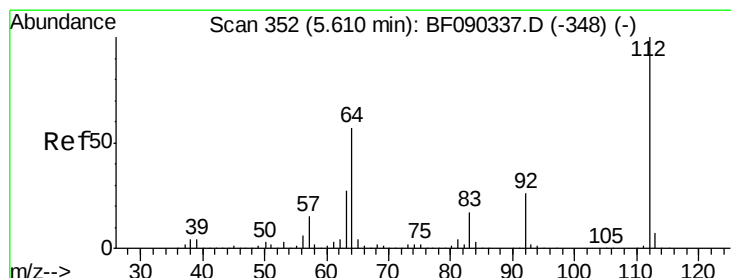
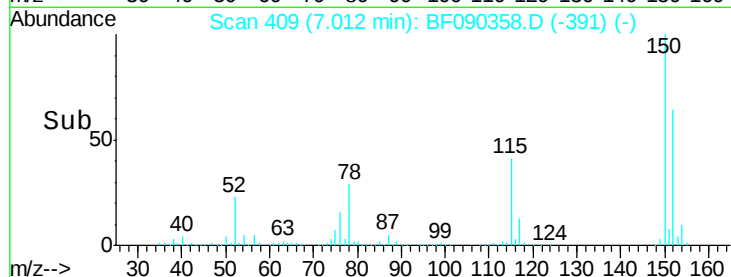
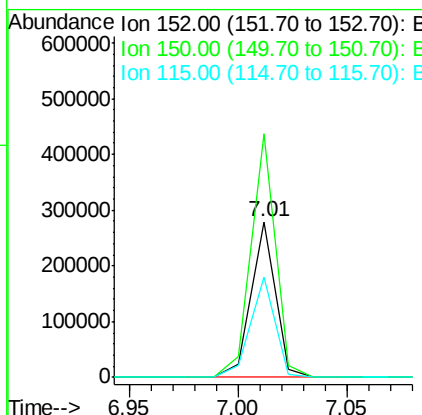
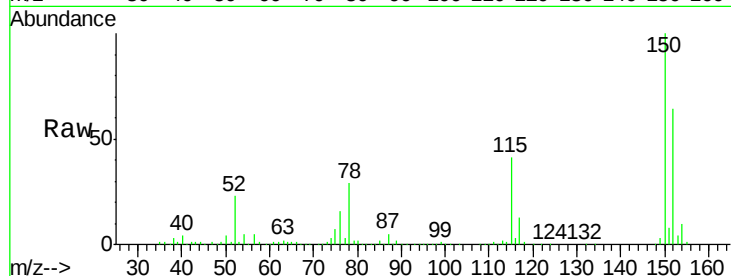




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.01 min Scan# 409  
 Delta R.T. 0.01 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

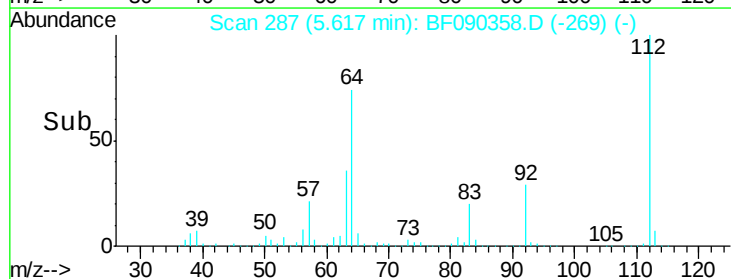
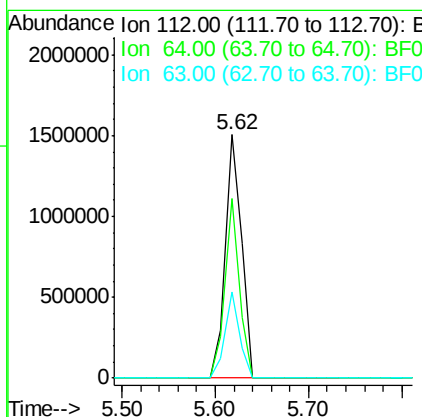
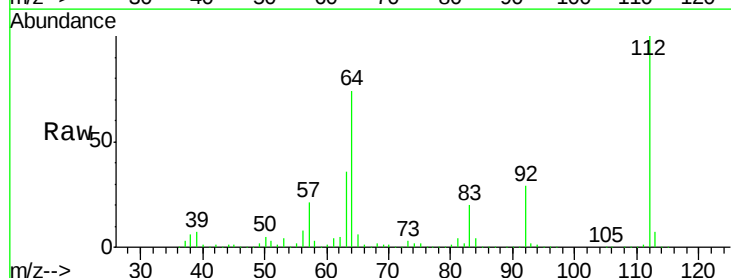
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-02

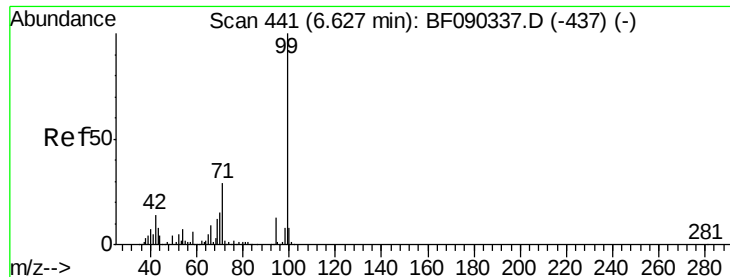
Tgt Ion:152 Resp: 217588  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 124.6 186.8  
 115 64.4 46.2 69.4



#5  
 2-Fluorophenol  
 Concen: 131.58 ng  
 RT: 5.62 min Scan# 287  
 Delta R.T. 0.01 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

Tgt Ion:112 Resp: 1815166  
 Ion Ratio Lower Upper  
 112 100  
 64 73.8 57.9 86.9  
 63 35.6 29.6 44.4





#7

Phenol-d6

Concen: 143.92 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090358.D

Acq: 4 Oct 2016 22:45

Instrument :

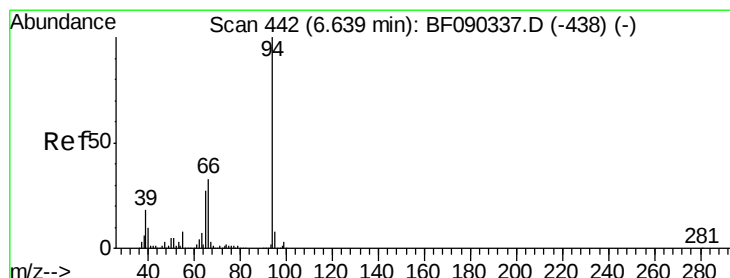
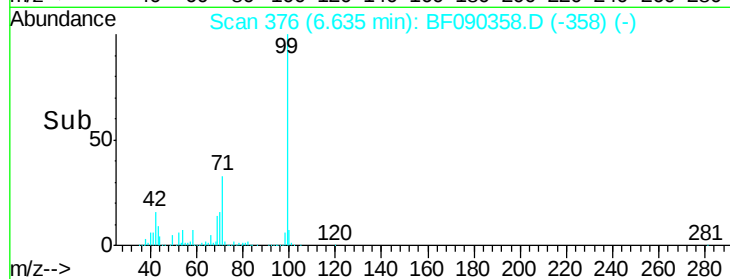
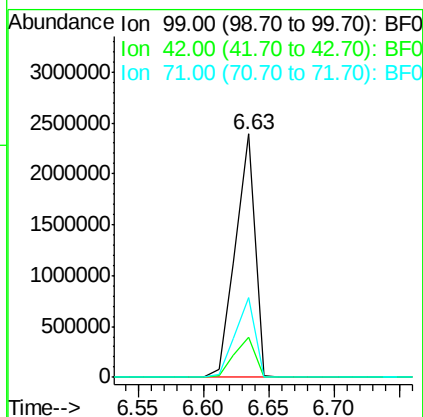
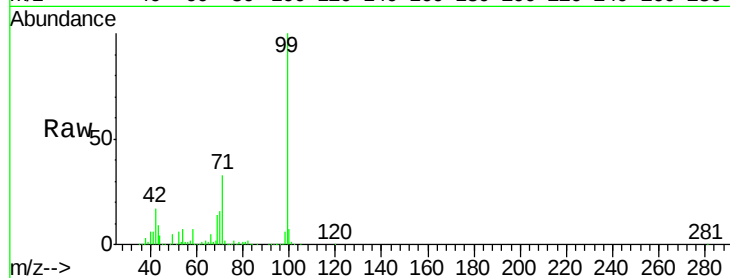
BNA\_F

ClientSampleId :

TS-WSG-16121-02

Tgt Ion: 99 Resp: 2481698

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.5  | 20.0  | 30.0# |
| 71  | 33.0  | 27.9  | 41.9  |



#10

Phenol

Concen: 2.81 ng

RT: 6.65 min Scan# 377

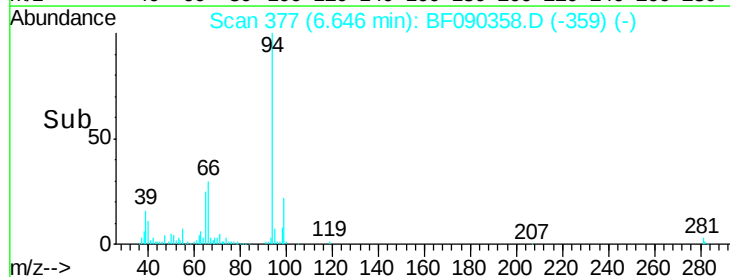
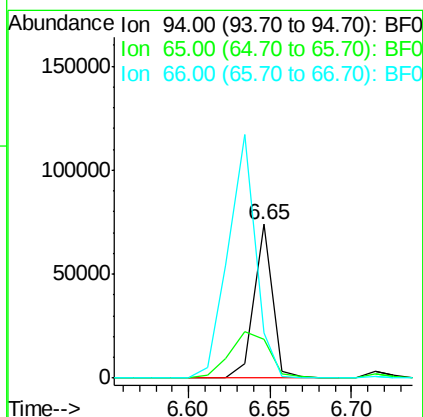
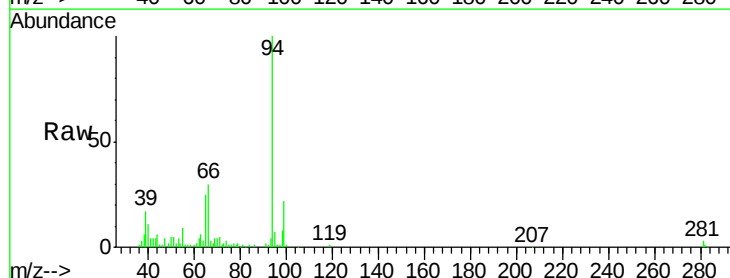
Delta R.T. 0.01 min

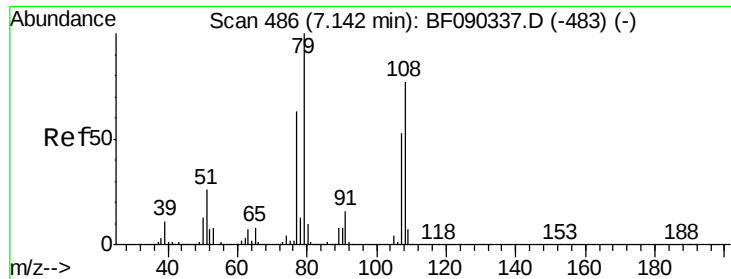
Lab File: BF090358.D

Acq: 4 Oct 2016 22:45

Tgt Ion: 94 Resp: 58987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.1  | 13.3  | 53.3  |
| 66  | 29.7  | 20.4  | 60.4  |





#15

Benzyl Alcohol

Concen: 3.68 ng

RT: 7.17 min Scan# 423

Delta R.T. 0.03 min

Lab File: BF090358.D

Acq: 4 Oct 2016 22:45

Instrument :

BNA\_F

ClientSampleId :

TS-WSG-16121-02

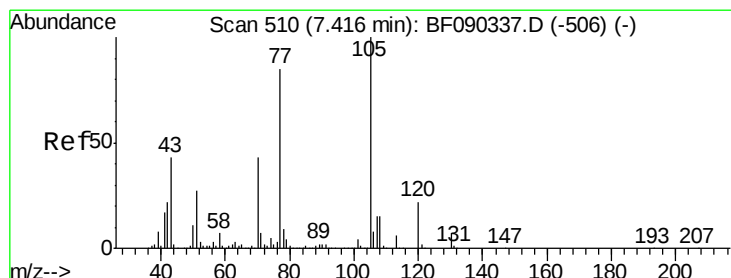
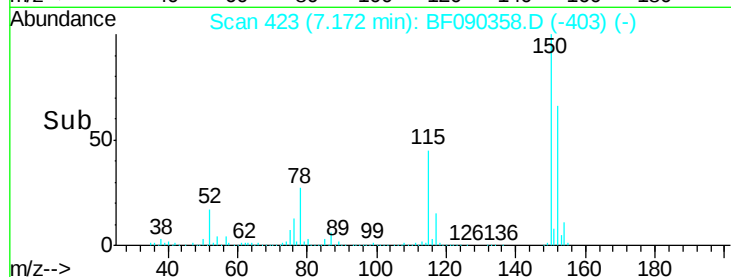
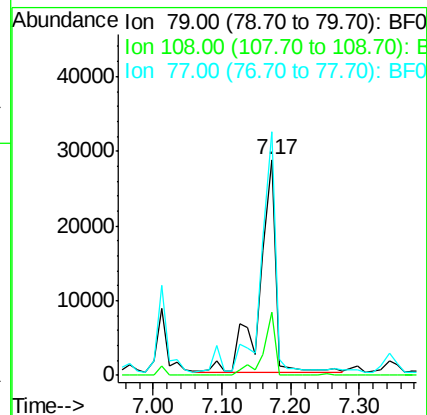
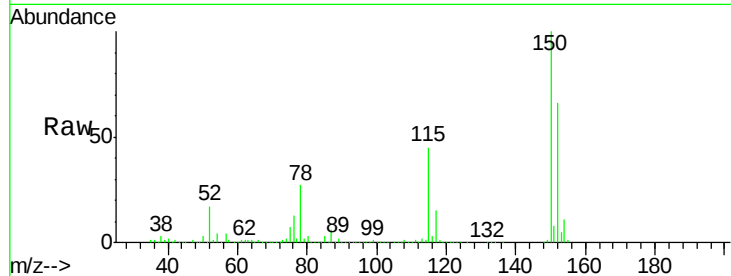
Tgt Ion: 79 Resp: 44747

Ion Ratio Lower Upper

79 100

108 29.1 60.9 91.3#

77 113.0 51.5 77.3#



#19

n-Nitroso-di-n-propylamine

Concen: 18.95 ng

RT: 7.57 min Scan# 458

Delta R.T. 0.16 min

Lab File: BF090358.D

Acq: 4 Oct 2016 22:45

Tgt Ion: 70 Resp: 208716

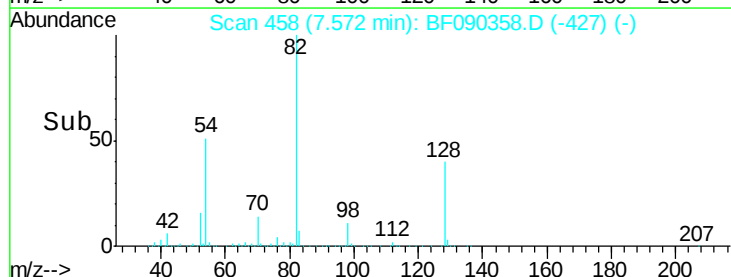
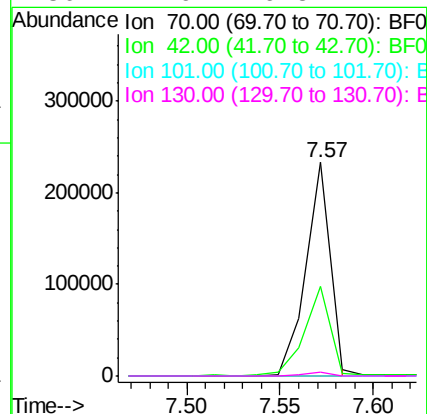
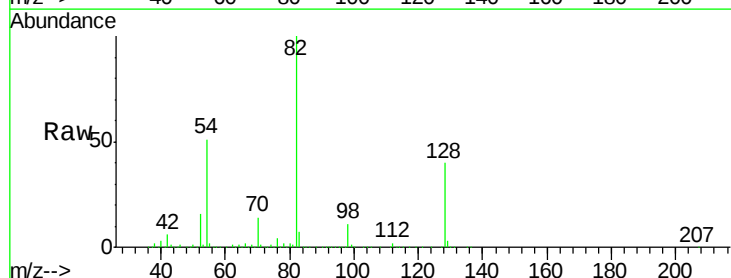
Ion Ratio Lower Upper

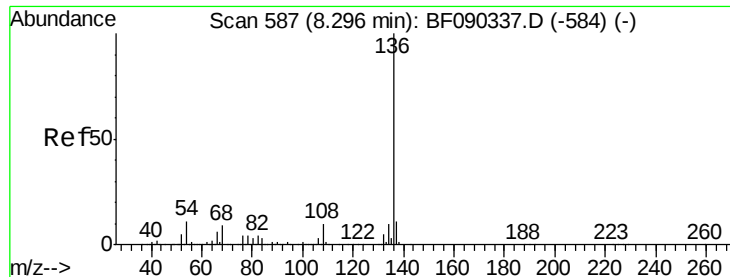
70 100

42 42.1 55.4 83.2#

101 0.0 7.6 11.4#

130 1.9 16.5 24.7#

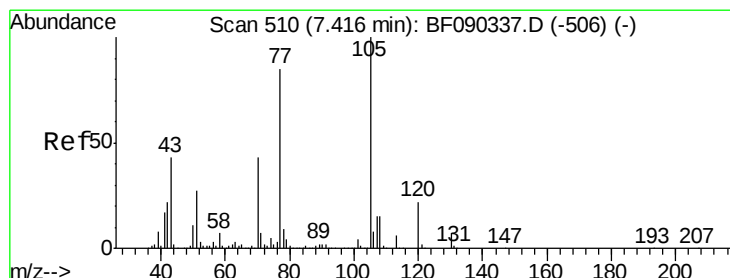
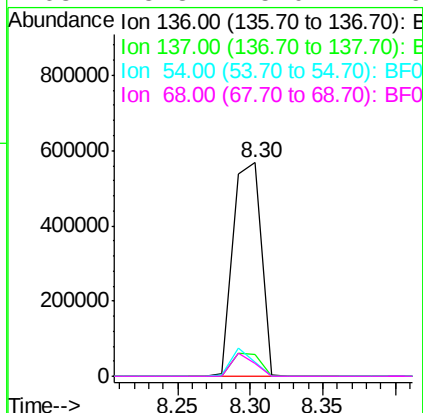
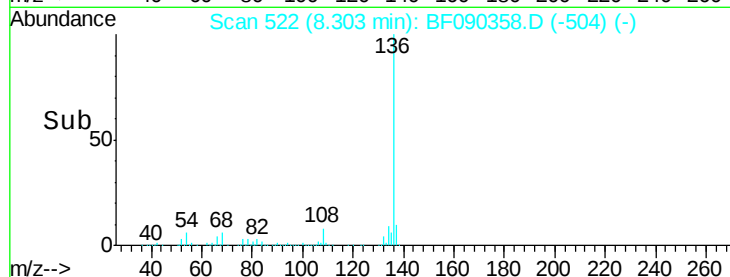
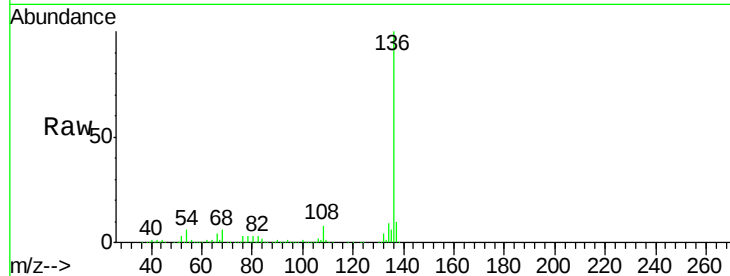




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.30 min Scan# 522  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

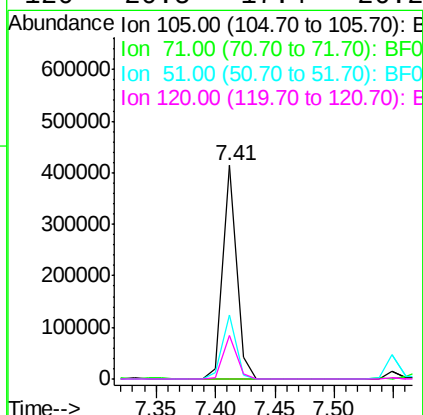
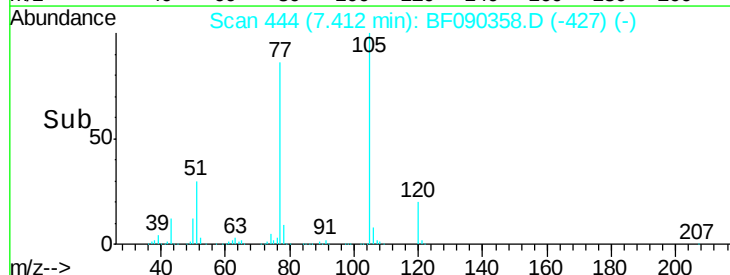
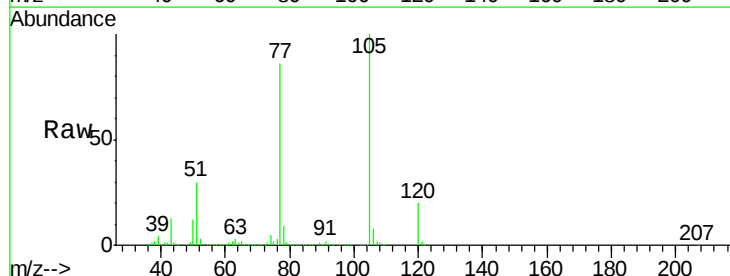
Instrument :  
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ClientSampleId :  
TS-WSG-16121-02

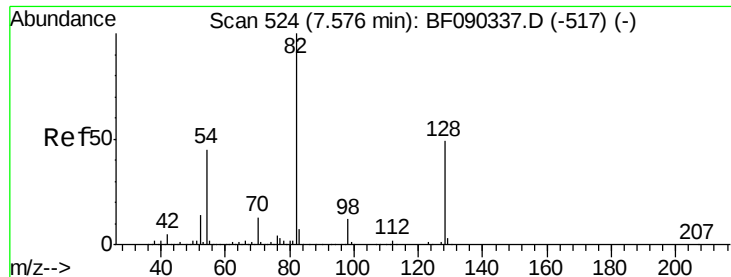
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 765346 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 9.0   | 13.6   |
| 54       | 6.4   | 6.6   | 10.0#  |
| 68       | 5.8   | 5.0   | 7.6    |



#22  
Acetophenone  
Concen: 18.59 ng  
RT: 7.41 min Scan# 444  
Delta R.T. -0.00 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 329379 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.1   | 3.8   | 5.6#   |
| 51       | 29.7  | 28.2  | 42.4   |
| 120      | 20.5  | 17.4  | 26.2   |

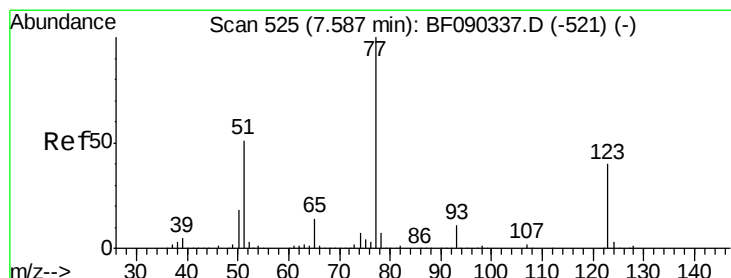
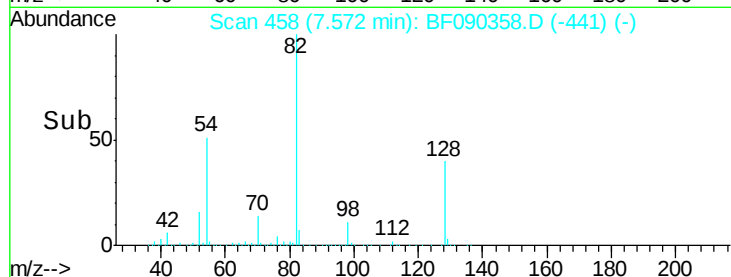
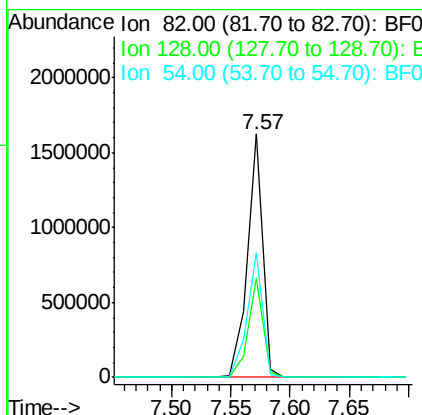
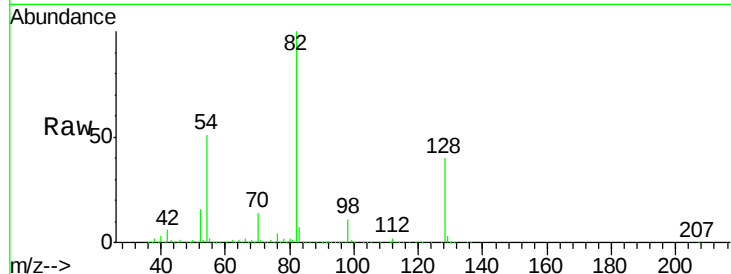




#23  
 Nitrobenzene-d5  
 Concen: 111.35 ng  
 RT: 7.57 min Scan# 458  
 Delta R.T. -0.00 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

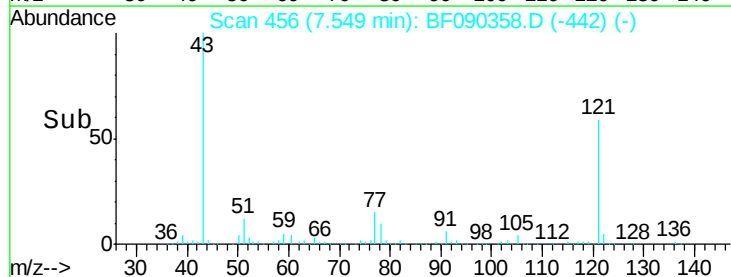
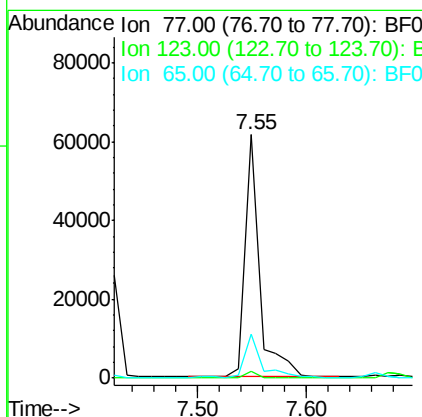
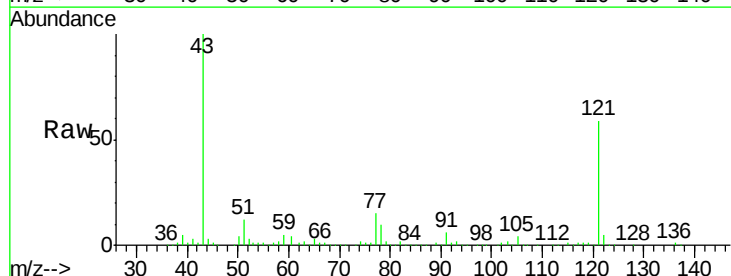
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-02

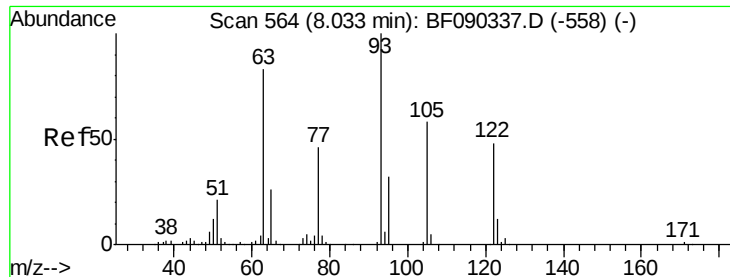
Tgt Ion: 82 Resp: 1461964  
 Ion Ratio Lower Upper  
 82 100  
 128 40.5 40.0 60.0  
 54 51.1 42.6 64.0



#24  
 Nitrobenzene  
 Concen: 4.00 ng  
 RT: 7.55 min Scan# 456  
 Delta R.T. -0.04 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

Tgt Ion: 77 Resp: 56102  
 Ion Ratio Lower Upper  
 77 100  
 123 2.6 33.0 49.4#  
 65 18.3 12.0 18.0#

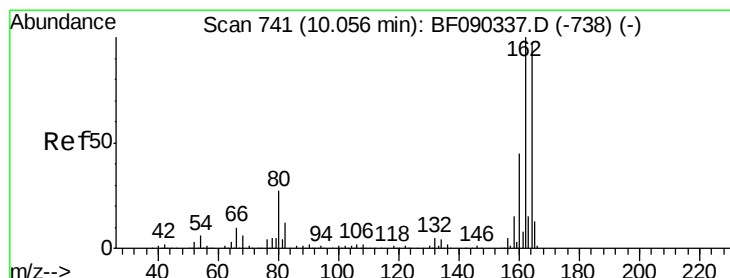
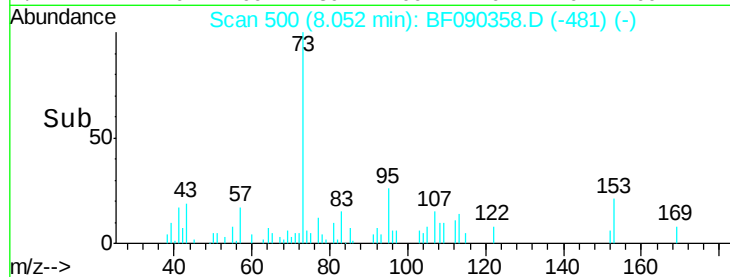
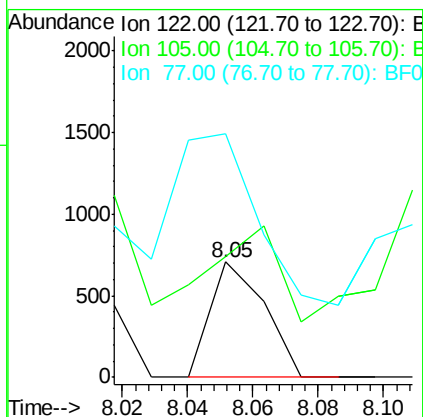
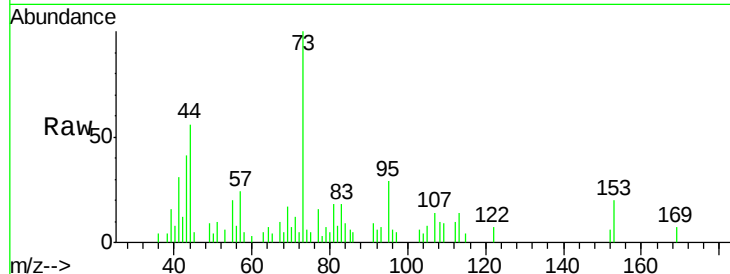




#32  
Benzoic acid  
Concen: 5.35 ng  
RT: 8.05 min Scan# 500  
Delta R.T. 0.02 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

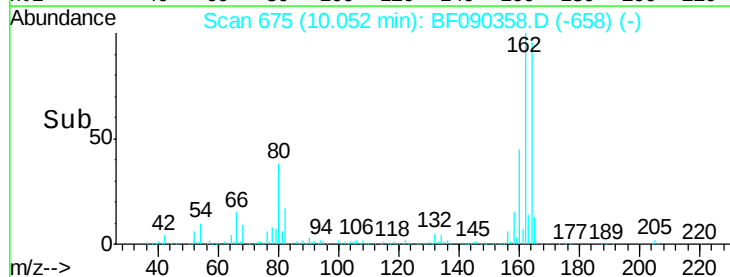
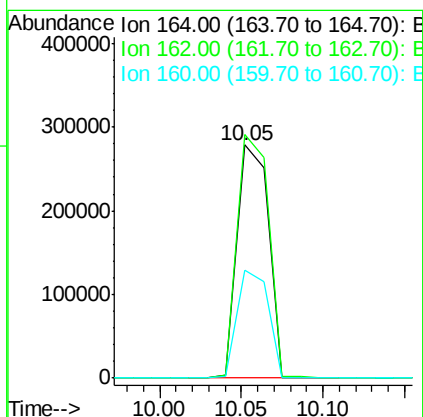
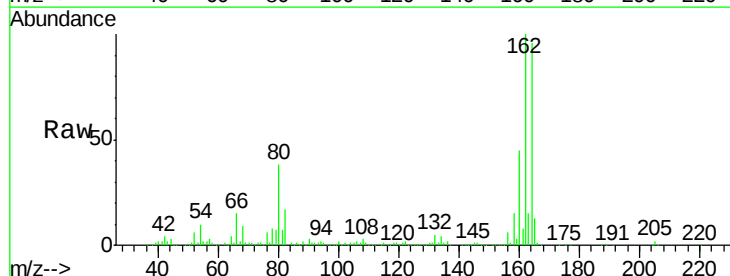
Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

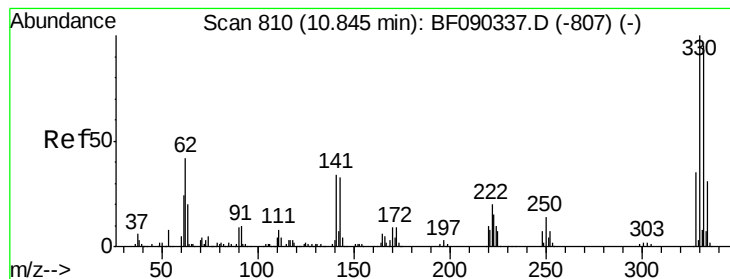
Tgt Ion:122 Resp: 802  
Ion Ratio Lower Upper  
122 100  
105 104.2 103.9 143.9  
77 211.2 74.6 114.6#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.05 min Scan# 675  
Delta R.T. -0.00 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion:164 Resp: 366648  
Ion Ratio Lower Upper  
164 100  
162 104.4 80.1 120.1  
160 46.6 36.3 54.5

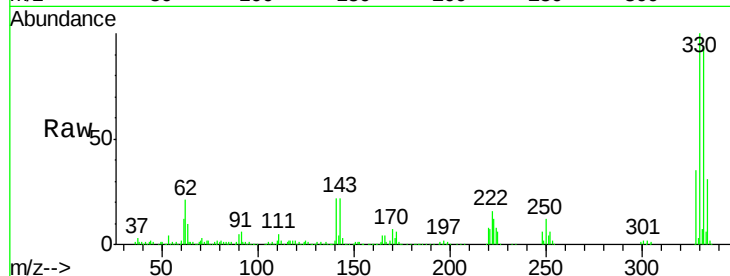




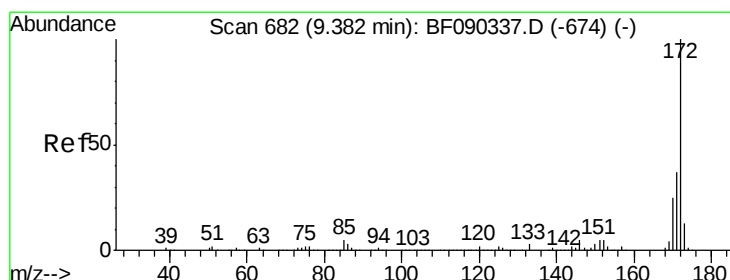
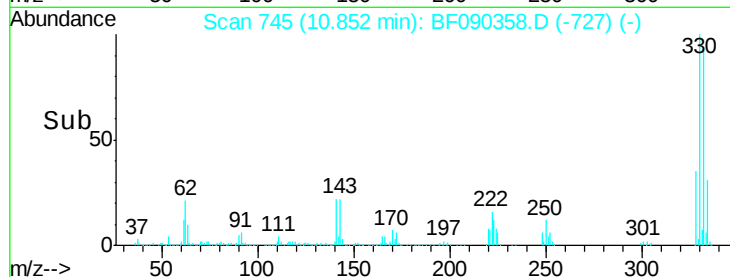
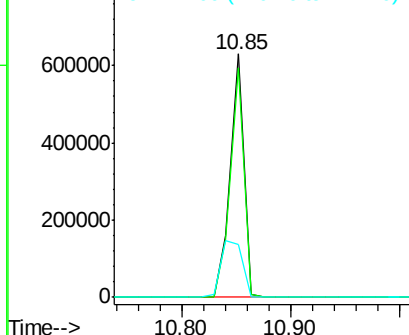
#41  
 2,4,6-Tribromophenol  
 Concen: 172.92 ng  
 RT: 10.85 min Scan# 745  
 Delta R.T. 0.01 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-02

Tgt Ion:330 Resp: 550657  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 75.4 113.0  
 141 36.7 26.9 40.3

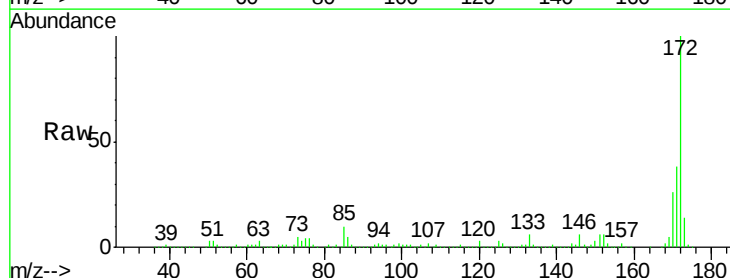


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

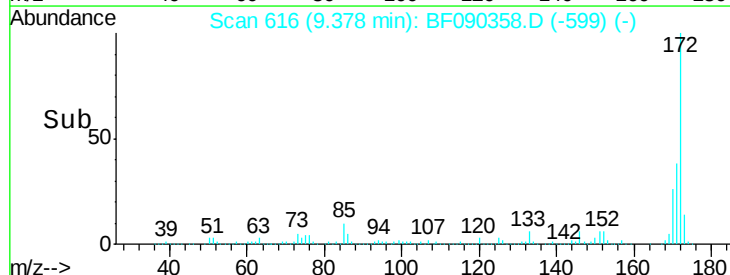
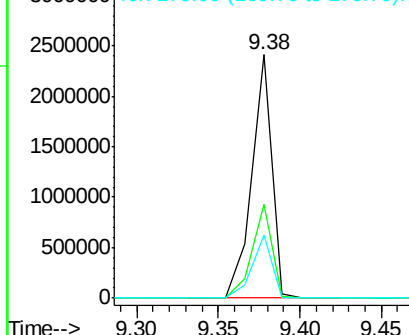


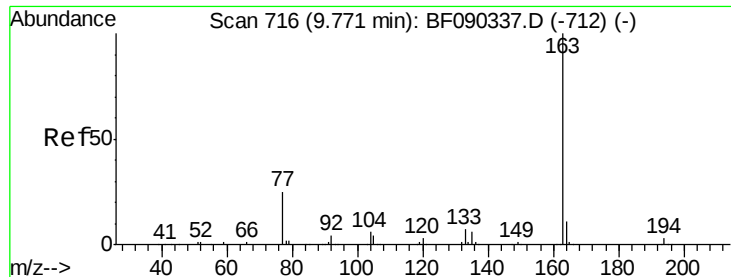
#44  
 2-Fluorobiphenyl  
 Concen: 91.69 ng  
 RT: 9.38 min Scan# 616  
 Delta R.T. -0.00 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

Tgt Ion:172 Resp: 2062002  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 31.8 47.8  
 170 26.1 21.7 32.5



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

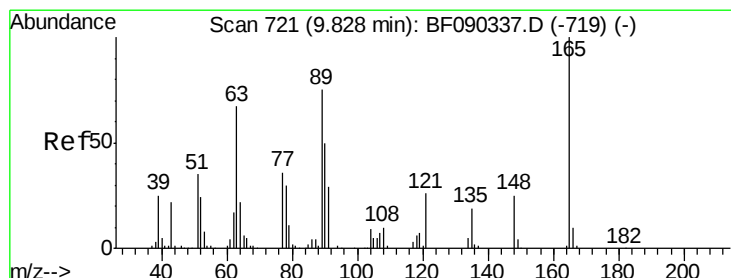
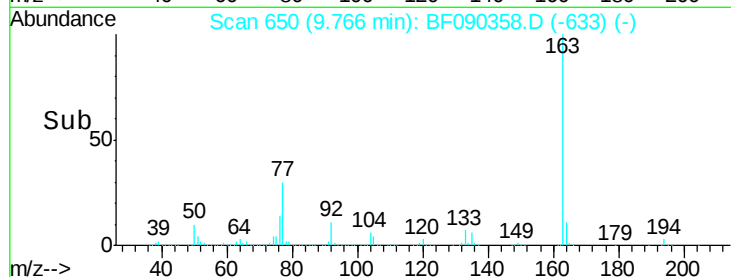
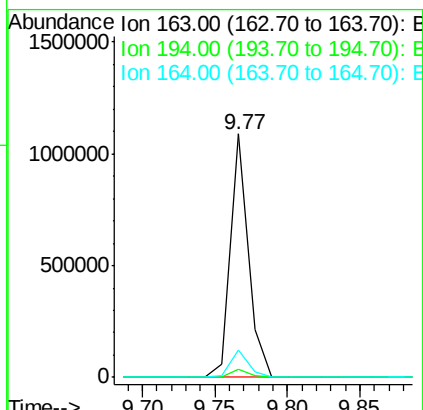
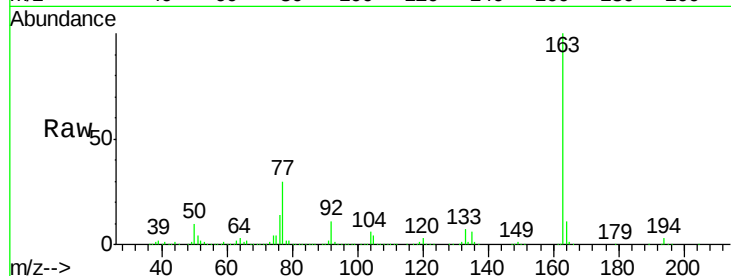




#49  
Dimethylphthalate  
Concen: 43.15 ng  
RT: 9.77 min Scan# 650  
Delta R.T. -0.00 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

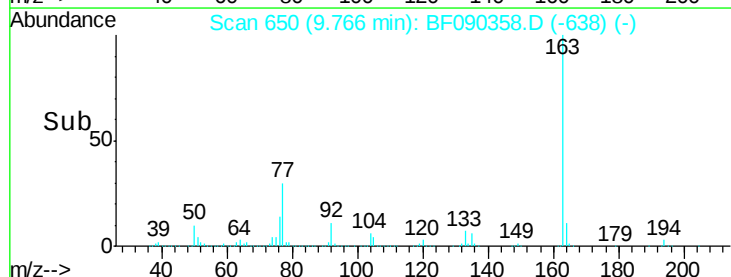
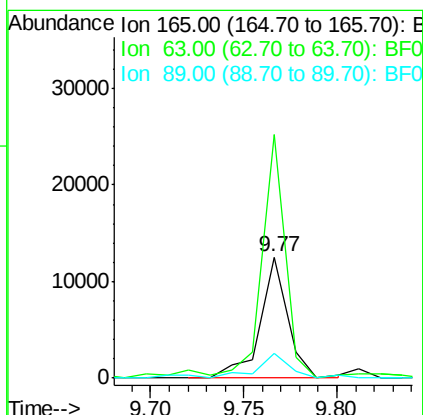
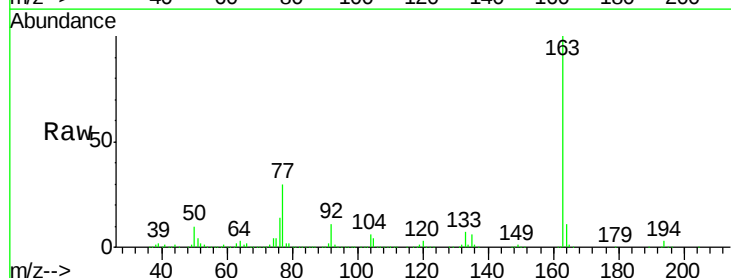
Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

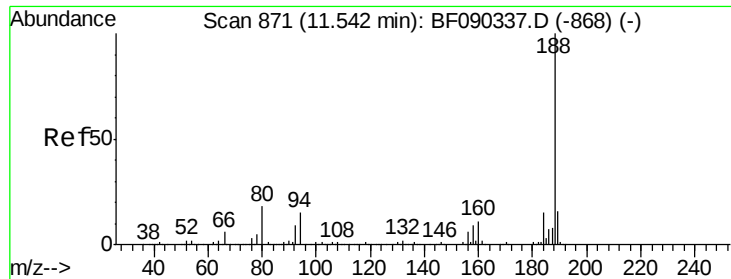
Tgt Ion:163 Resp: 936561  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.8 4.2  
164 11.0 9.0 13.4



#50  
2,6-Dinitrotoluene  
Concen: 2.74 ng  
RT: 9.77 min Scan# 650  
Delta R.T. -0.06 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion:165 Resp: 13020  
Ion Ratio Lower Upper  
165 100  
63 201.7 58.0 87.0#  
89 20.4 51.2 76.8#

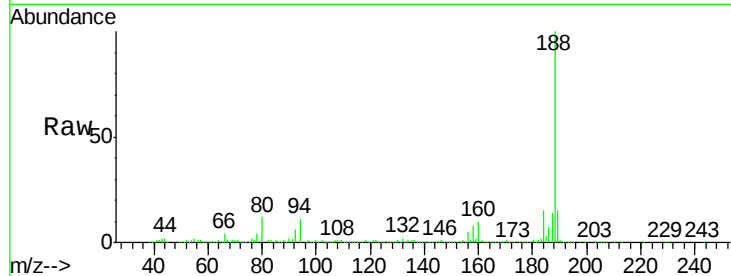




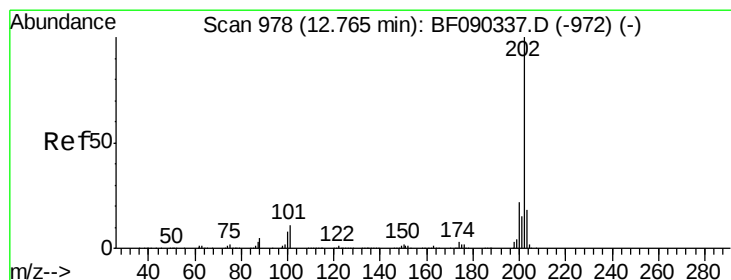
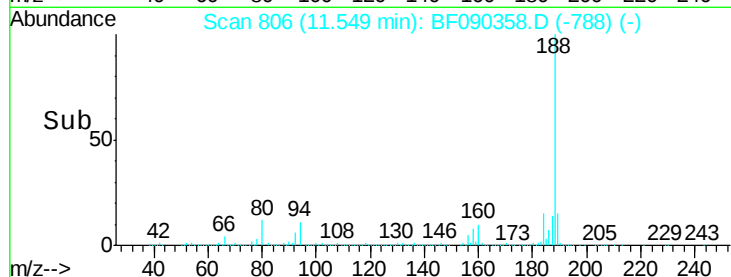
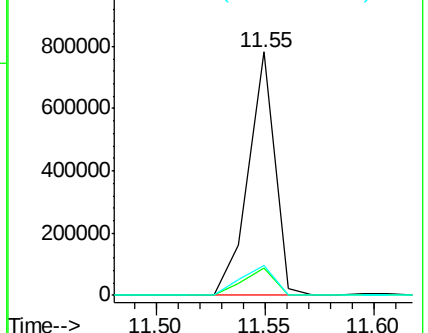
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.55 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

Tgt Ion:188 Resp: 664485  
Ion Ratio Lower Upper  
188 100  
94 11.0 8.2 12.2  
80 12.5 8.8 13.2

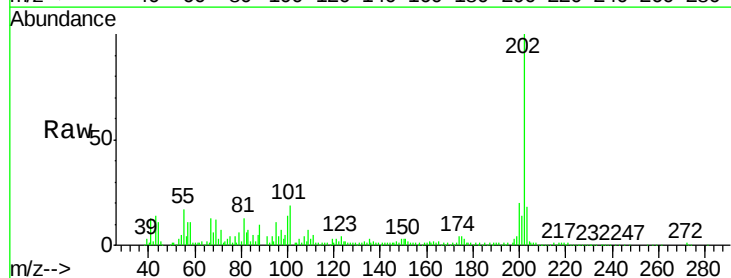


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

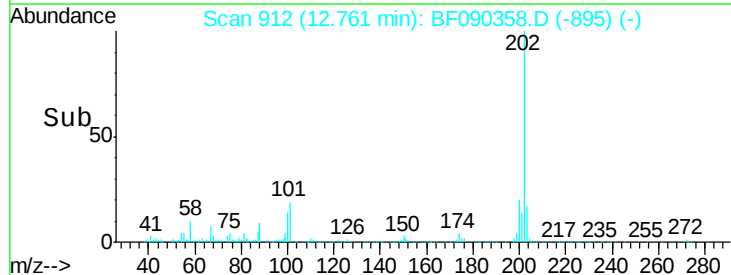
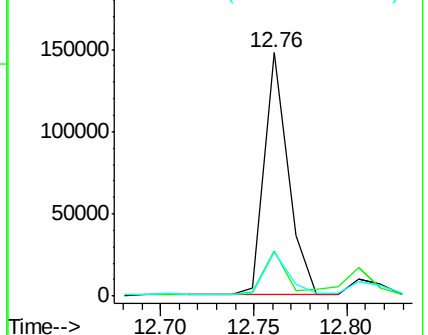


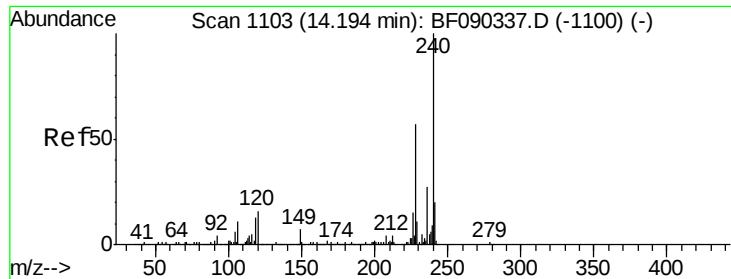
#74  
Fluoranthene  
Concen: 3.83 ng  
RT: 12.76 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion:202 Resp: 129628  
Ion Ratio Lower Upper  
202 100  
101 18.8 0.0 37.2  
203 17.9 0.0 39.3



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

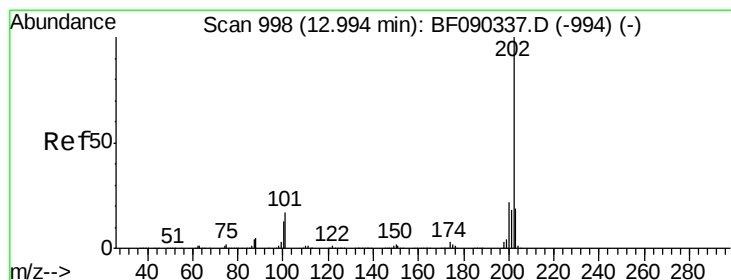
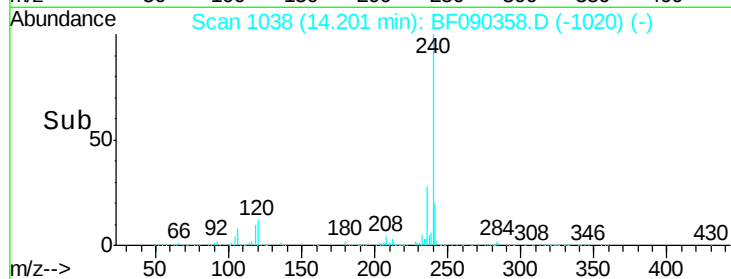
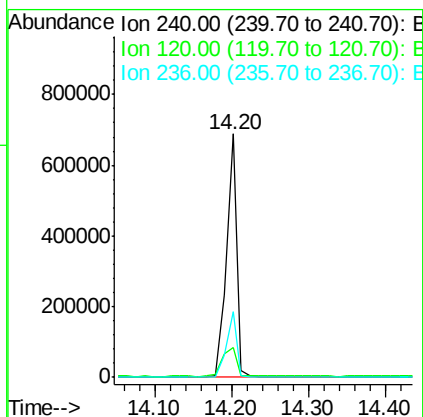
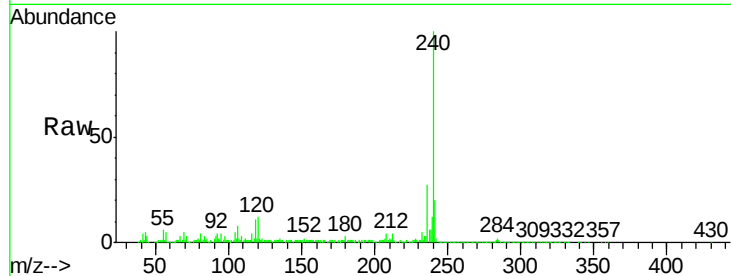




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.20 min Scan# 1038  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

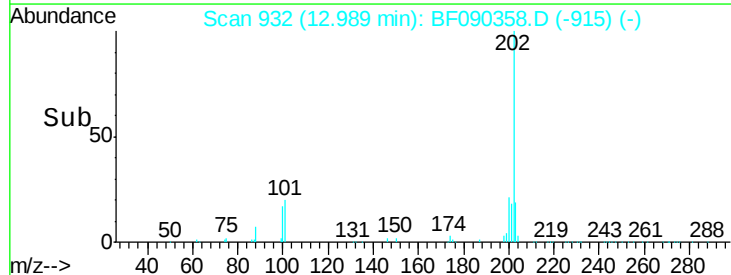
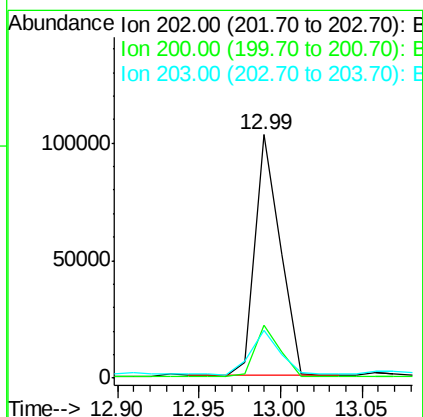
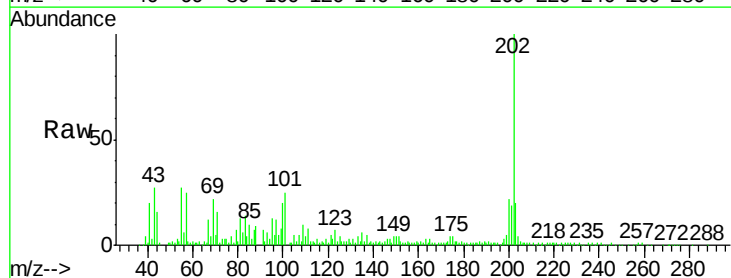
Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

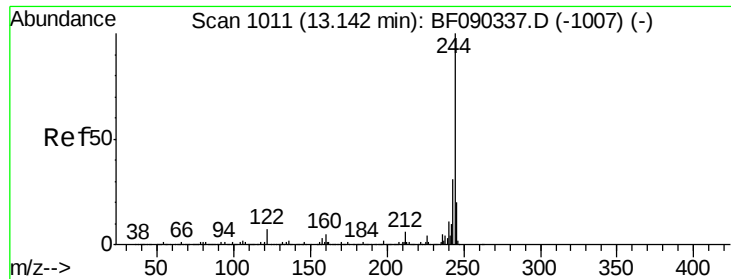
Tgt Ion:240 Resp: 655072  
Ion Ratio Lower Upper  
240 100  
120 12.1 8.6 13.0  
236 27.2 21.6 32.4



#77  
Pyrene  
Concen: 2.63 ng  
RT: 12.99 min Scan# 932  
Delta R.T. -0.00 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion:202 Resp: 110354  
Ion Ratio Lower Upper  
202 100  
200 21.7 18.5 27.7  
203 19.8 15.0 22.6

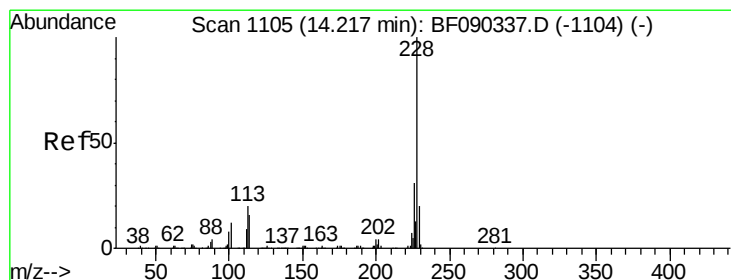
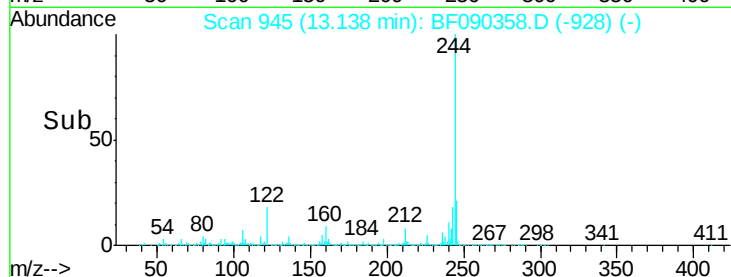
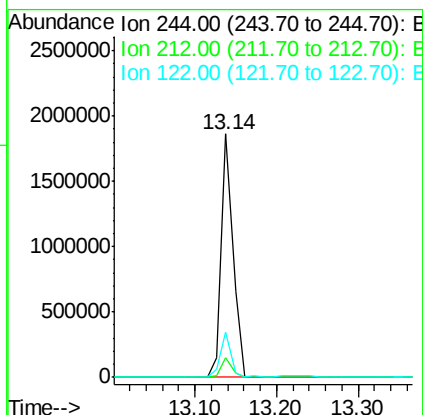
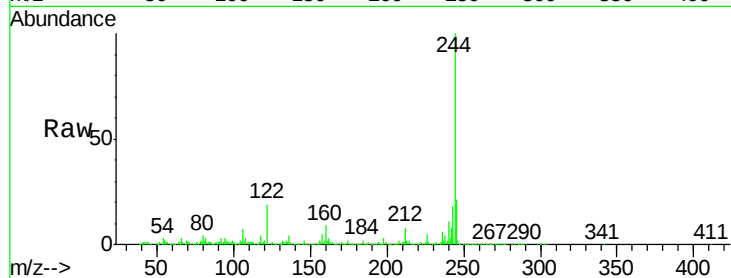




#78  
 Terphenyl-d14  
 Concen: 65.58 ng  
 RT: 13.14 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

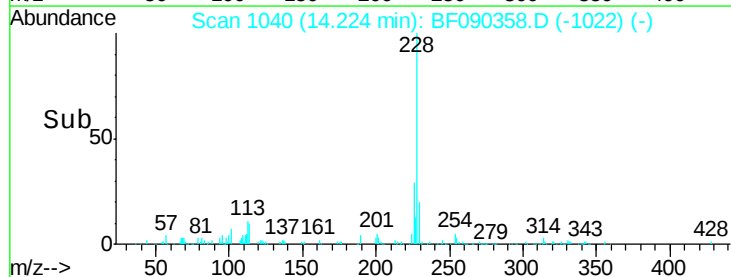
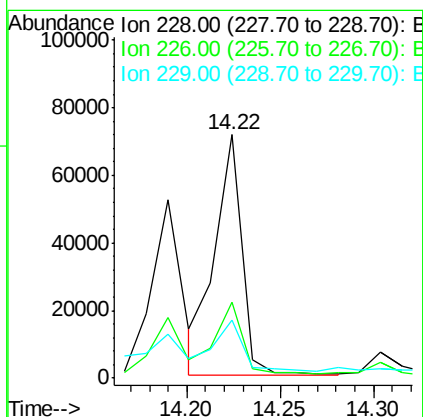
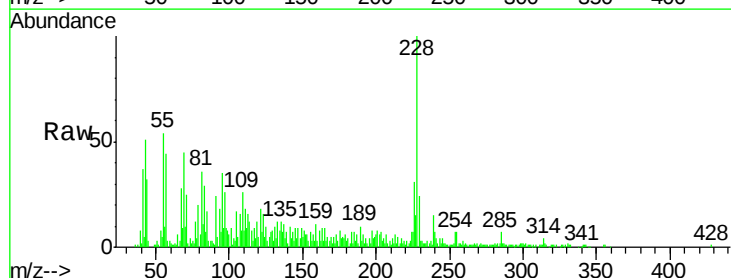
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-02

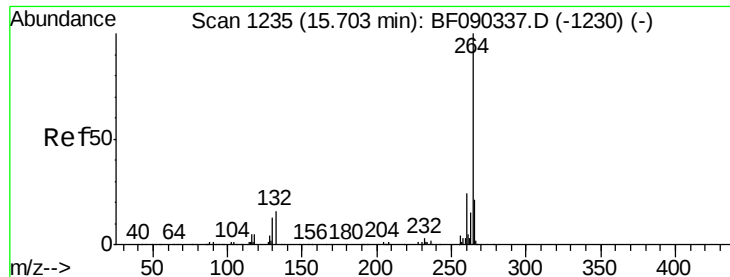
Tgt Ion:244 Resp: 1845291  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.8 10.2  
 122 18.6 13.3 19.9



#82  
 Chrysene  
 Concen: 2.09 ng  
 RT: 14.22 min Scan# 1040  
 Delta R.T. 0.01 min  
 Lab File: BF090358.D  
 Acq: 4 Oct 2016 22:45

Tgt Ion:228 Resp: 71932  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 25.8 38.6  
 229 24.1 16.9 25.3

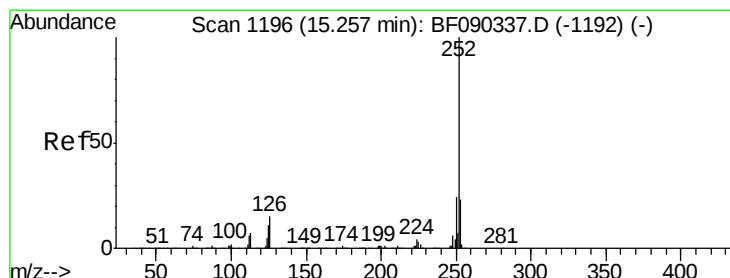
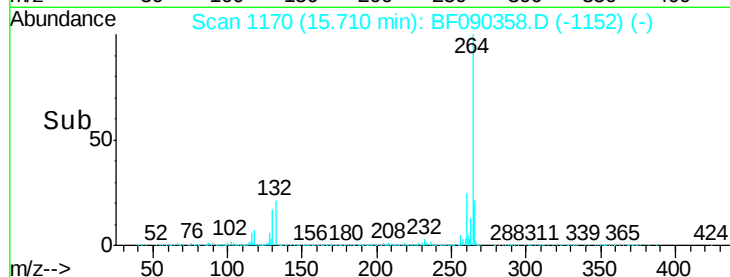
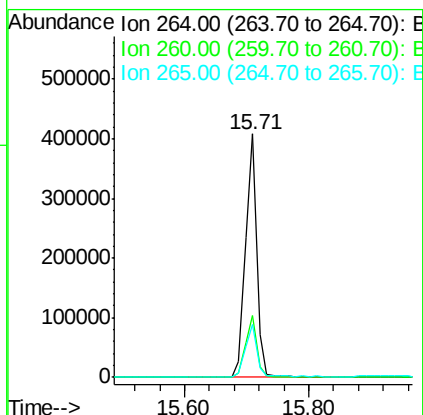
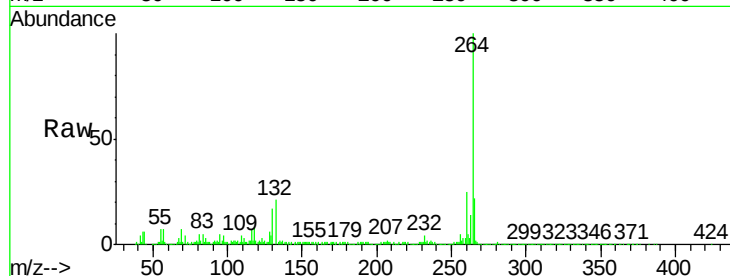




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.71 min Scan# 1170  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

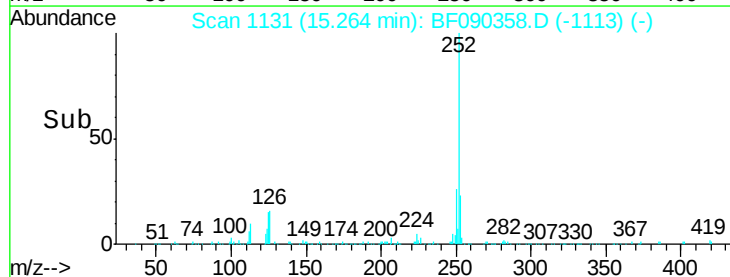
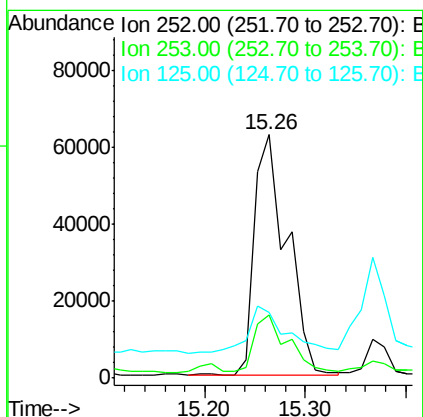
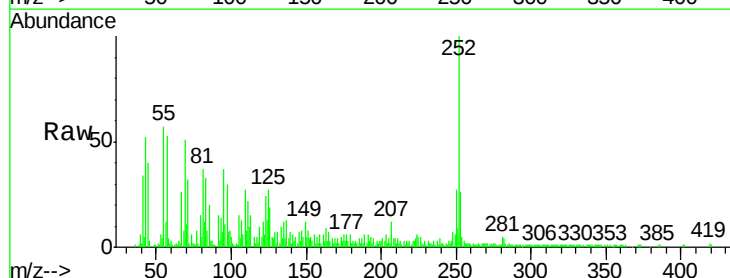
Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

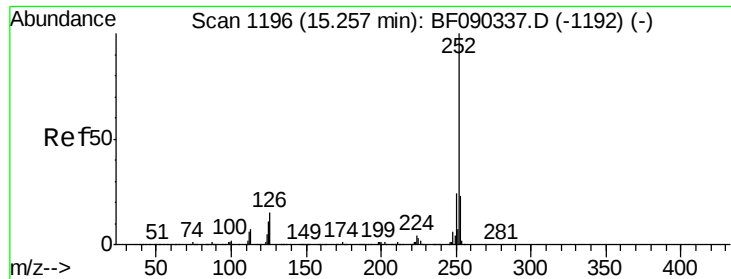
Tgt Ion:264 Resp: 519606  
Ion Ratio Lower Upper  
264 100  
260 25.4 19.3 28.9  
265 21.5 17.4 26.0



#87  
Benzo(b)fluoranthene  
Concen: 4.68 ng  
RT: 15.26 min Scan# 1131  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion:252 Resp: 139832  
Ion Ratio Lower Upper  
252 100  
253 26.0 18.2 27.2  
125 26.9 7.0 10.4#

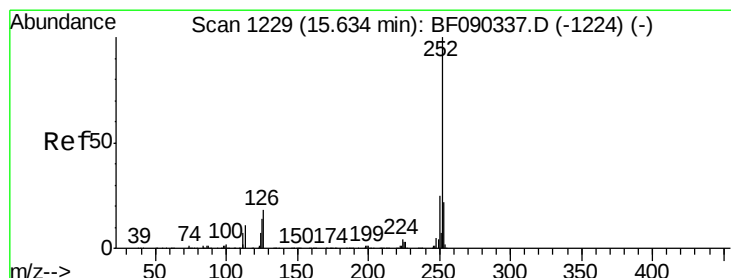
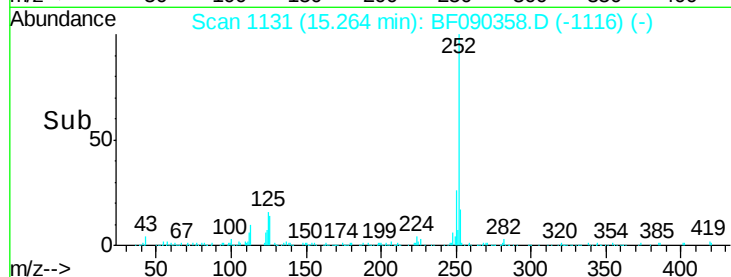
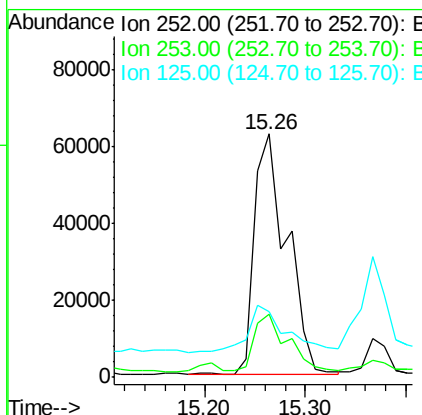
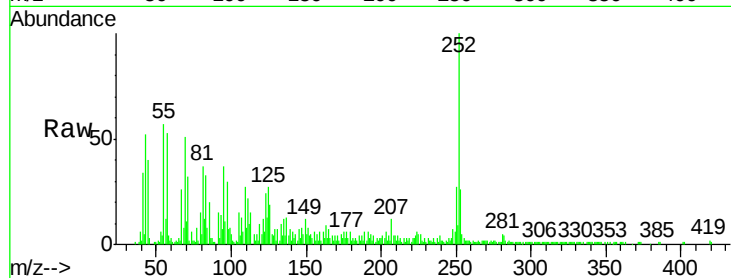




#88  
Benzo(k)fluoranthene  
Concen: 4.90 ng  
RT: 15.26 min Scan# 1131  
Delta R.T. -0.03 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Instrument :  
BNA\_F  
ClientSampleId :  
TS-WSG-16121-02

Tgt Ion: 252 Resp: 139832  
Ion Ratio Lower Upper  
252 100  
253 26.0 18.6 27.8  
125 26.9 11.7 17.5#



#89  
Benzo(a)pyrene  
Concen: 2.05 ng  
RT: 15.64 min Scan# 1164  
Delta R.T. 0.01 min  
Lab File: BF090358.D  
Acq: 4 Oct 2016 22:45

Tgt Ion: 252 Resp: 55799  
Ion Ratio Lower Upper  
252 100  
253 27.9 18.2 27.4#  
125 33.0 9.8 14.8#

