

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101416\  
 Data File : BF090575.D  
 Acq On : 14 Oct 2016 17:56  
 Operator : UM/SJ  
 Sample : H5244-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-11

Quant Time: Oct 14 22:51:01 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 12:44:45 2016  
 Response via : Initial Calibration

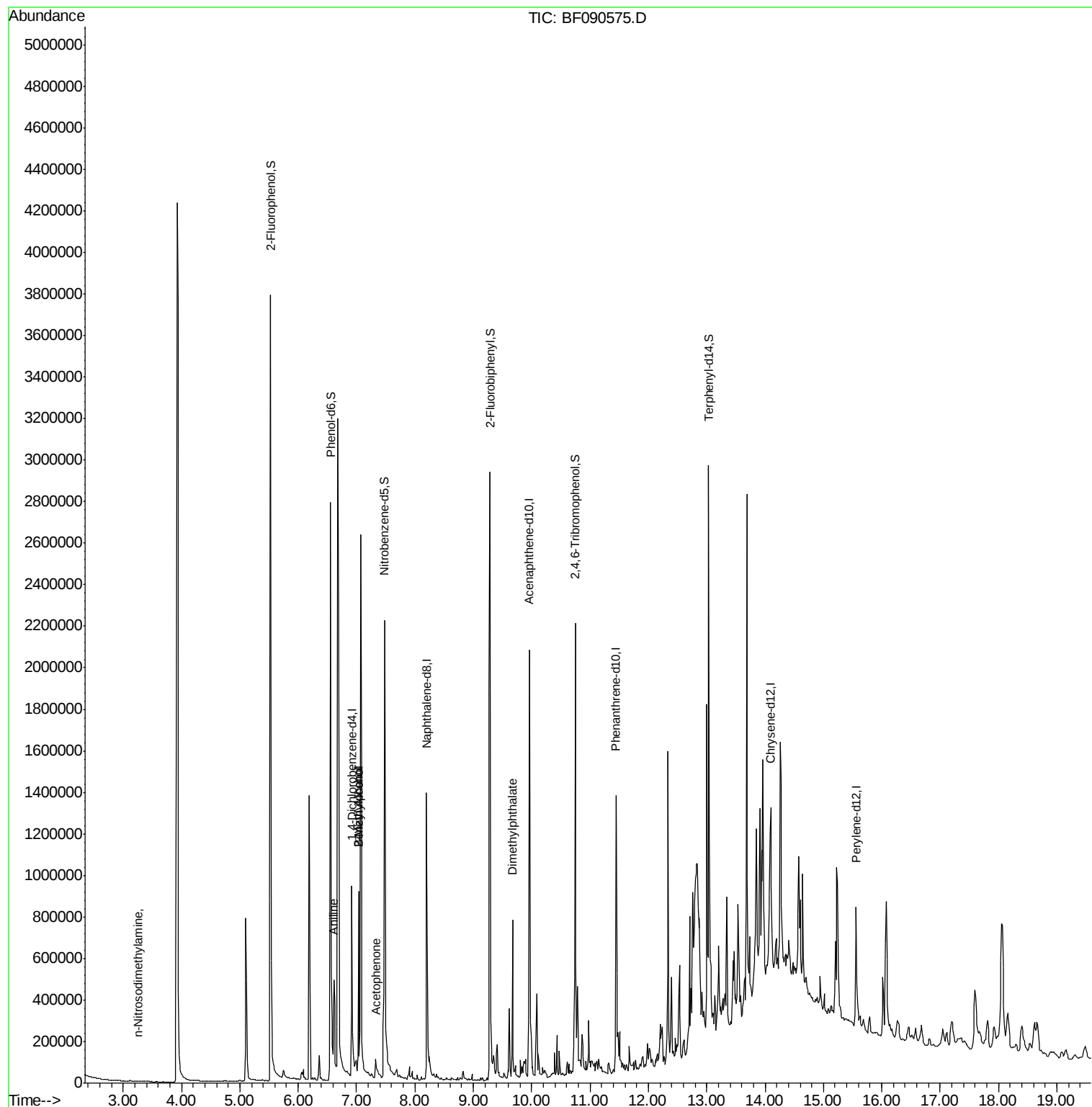
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 193040   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 816314   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 413928   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 603083   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.10 | 240  | 381837   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.56 | 264  | 337281   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1100618  | 104.52 | ng    | 0.00     |
| 7) Phenol-d6                | 6.55  | 99   | 1551792  | 99.18  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 994918   | 67.70  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 272980   | 73.97  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1304054  | 51.91  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.04 | 244  | 868036   | 52.93  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 4) n-Nitrosodimethylamine   | 3.25  | 42   | 230      | 7.21   | ng    | # 1      |
| 6) Aniline                  | 6.61  | 93   | 116353   | 6.15   | ng    | # 43     |
| 15) Benzyl Alcohol          | 7.03  | 79   | 46008    | 4.32   | ng    | # 56     |
| 17) 2-Methylphenol          | 7.03  | 107  | 22483    | 2.11   | ng    | # 1      |
| 22) Acetophenone            | 7.33  | 105  | 77834    | 4.32   | ng    | # 85     |
| 49) Dimethylphthalate       | 9.67  | 163  | 300850   | 11.20  | ng    | 98       |

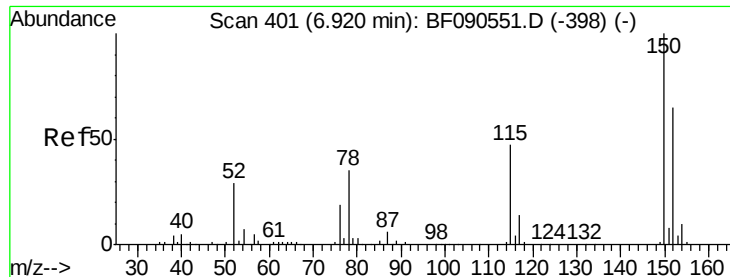
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101316.M  
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QLast Update : Fri Oct 14 12:44:45 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090575.D

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Instrument :

BNA\_F

ClientSampleId :

TS-WSG-16121-11

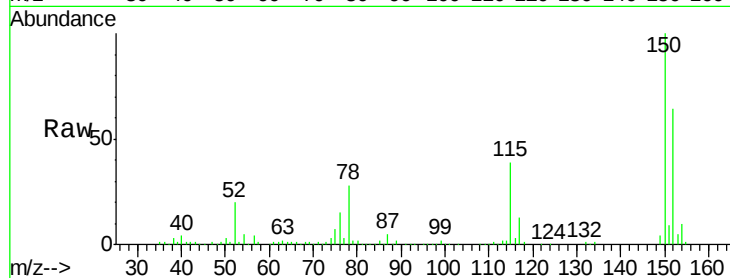
Tgt Ion:152 Resp: 193040

Ion Ratio Lower Upper

152 100

150 155.8 127.2 190.8

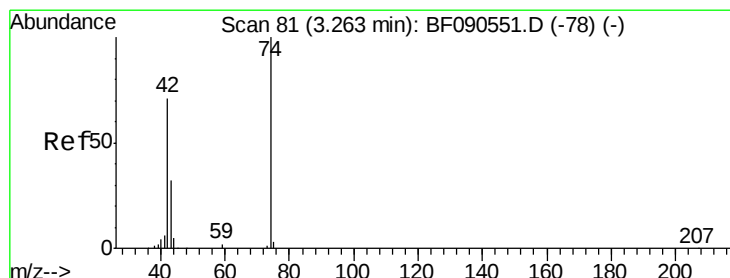
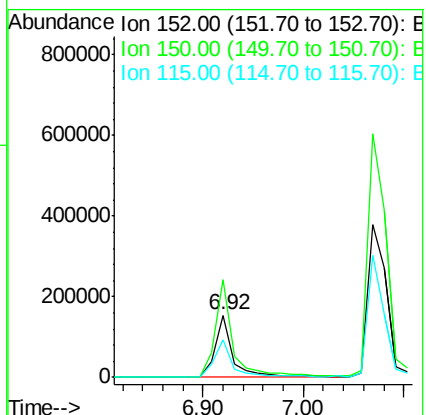
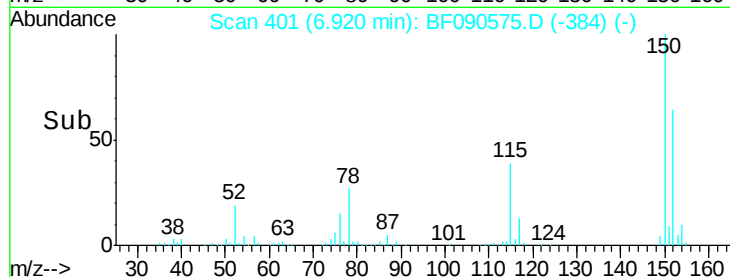
115 60.8 58.6 88.0



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



#4

n-Nitrosodimethylamine

Concen: 7.21 ng

RT: 3.25 min Scan# 80

Delta R.T. -0.01 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

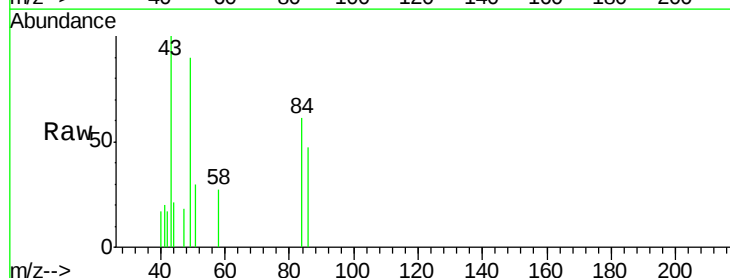
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

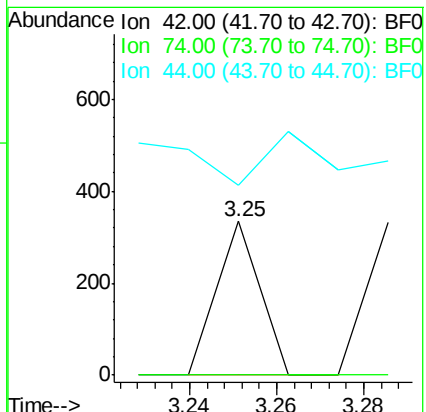
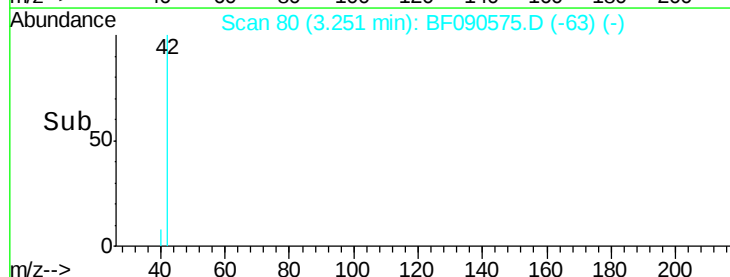
44 123.0 6.0 9.0#

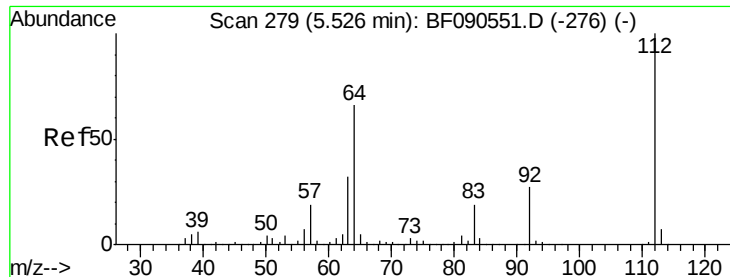


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 104.52 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

Instrument :

BNA\_F

ClientSampleId :

TS-WSG-16121-11

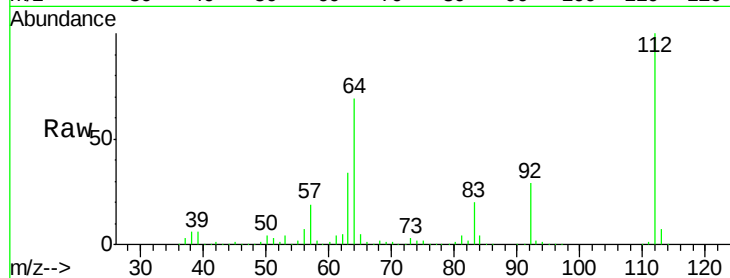
Tgt Ion: 112 Resp: 1100618

Ion Ratio Lower Upper

112 100

64 69.2 52.6 78.8

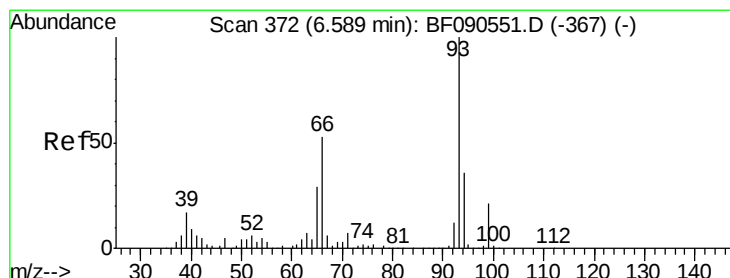
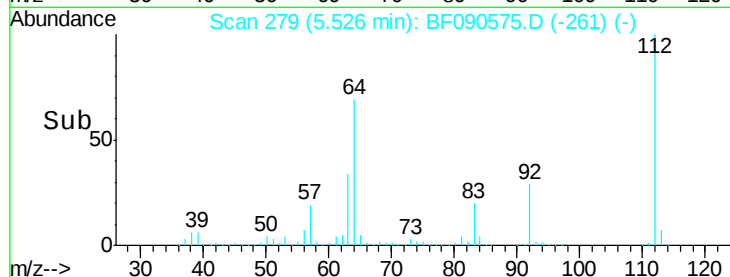
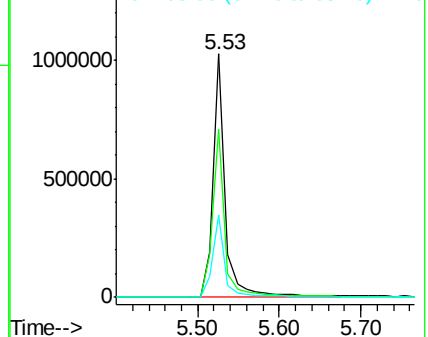
63 33.8 26.0 39.0



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



#6

Aniline

Concen: 6.15 ng

RT: 6.61 min Scan# 374

Delta R.T. 0.02 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

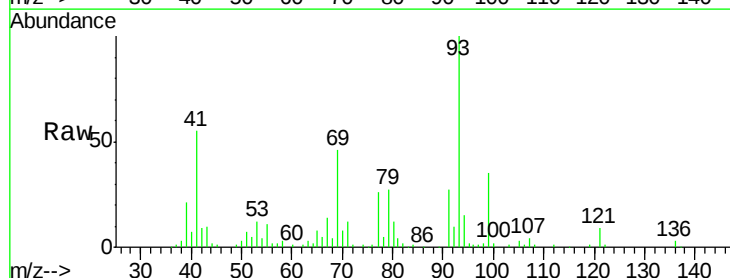
Tgt Ion: 93 Resp: 116353

Ion Ratio Lower Upper

93 100

66 4.8 42.2 63.2#

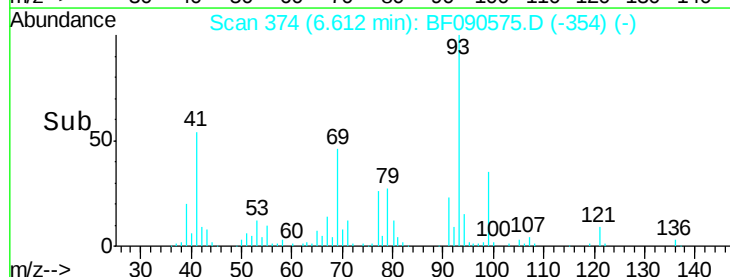
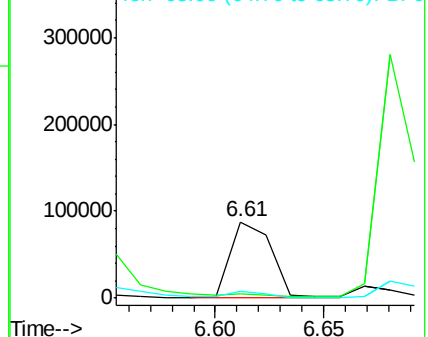
65 8.2 22.9 34.3#

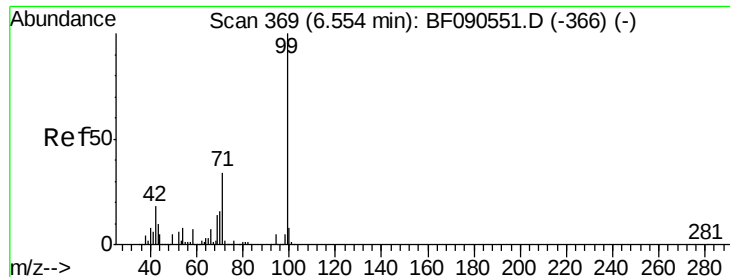


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.18 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

Instrument :

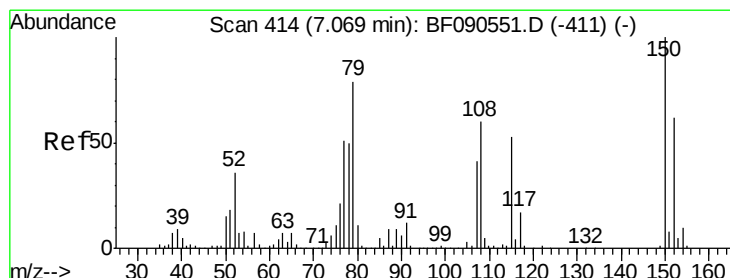
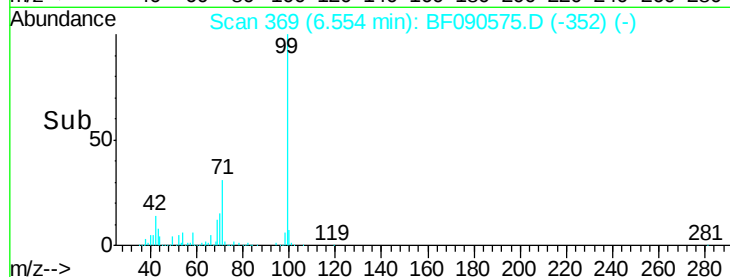
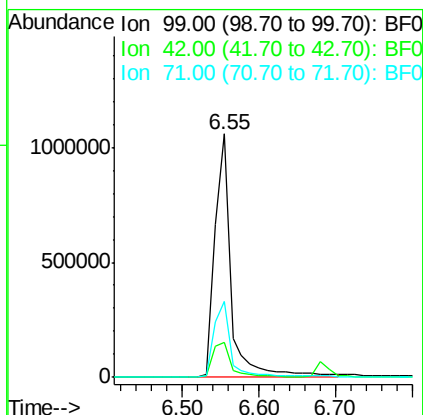
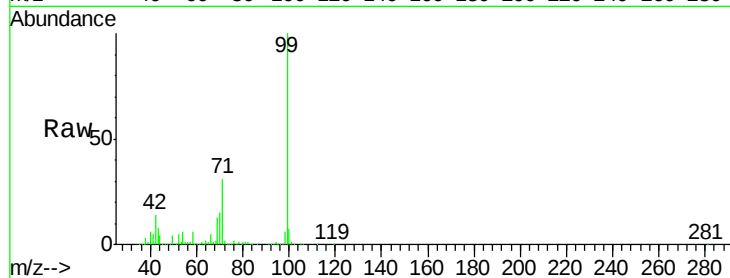
BNA\_F

ClientSampleId :

TS-WSG-16121-11

Tgt Ion: 99 Resp: 1551792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.5  | 14.7  | 22.1# |
| 71  | 31.2  | 27.6  | 41.4  |



#15

Benzyl Alcohol

Concen: 4.32 ng

RT: 7.03 min Scan# 411

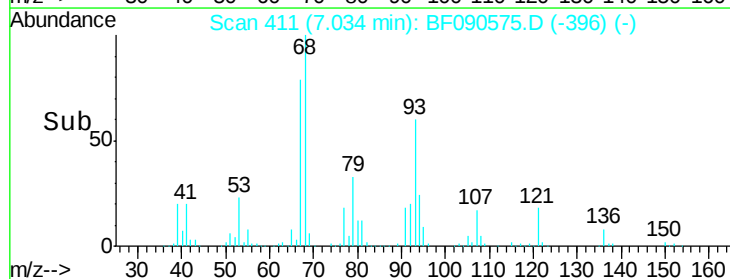
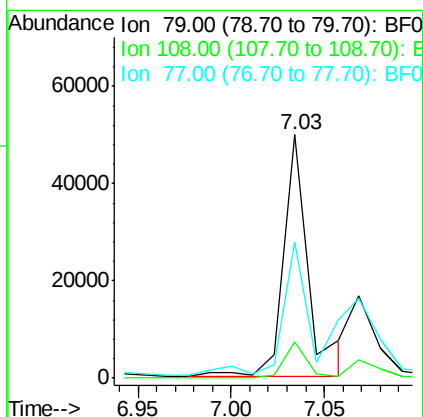
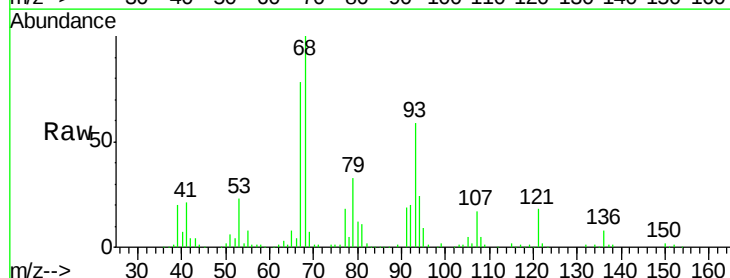
Delta R.T. -0.03 min

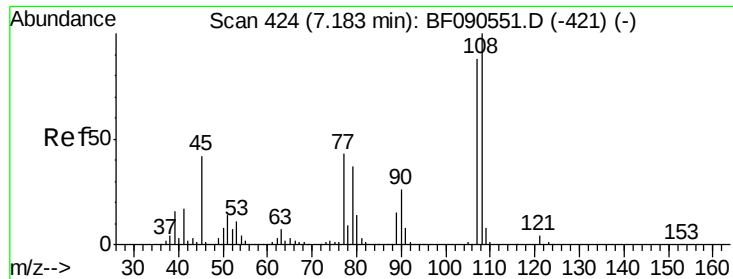
Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

Tgt Ion: 79 Resp: 46008

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 14.7  | 60.2  | 90.4# |
| 77  | 55.7  | 52.0  | 78.0  |

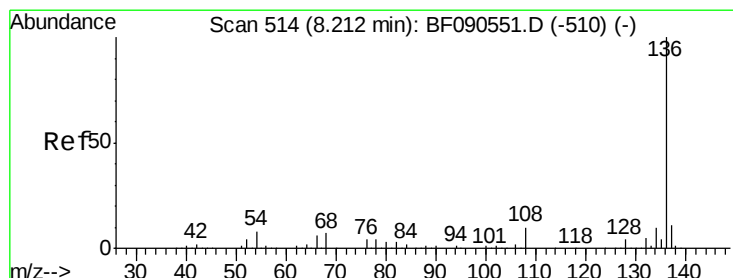
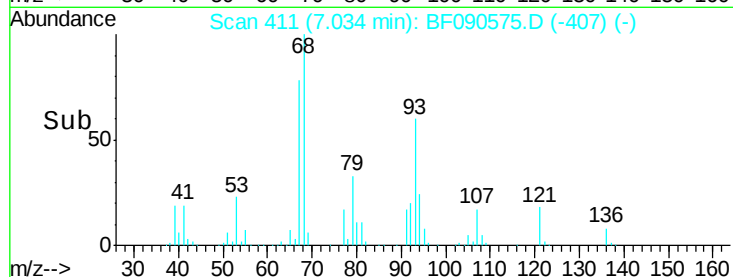
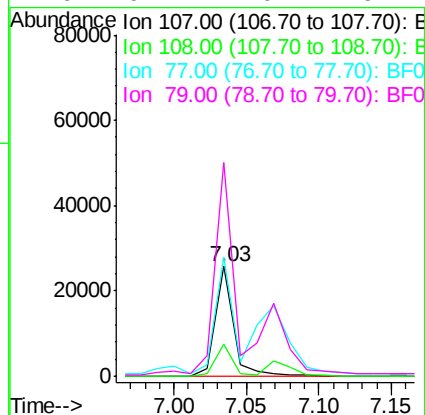
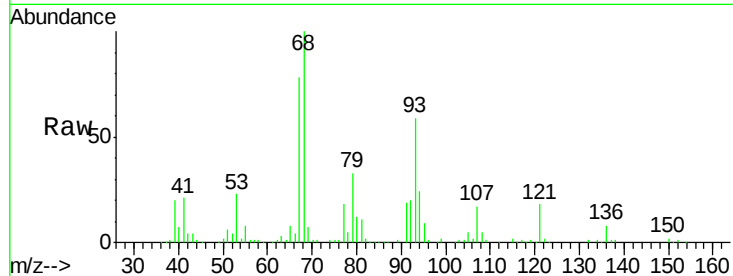




#17  
2-Methylphenol  
Concen: 2.11 ng  
RT: 7.03 min Scan# 411  
Delta R.T. -0.15 min  
Lab File: BF090575.D  
Acq: 14 Oct 2016 17:56

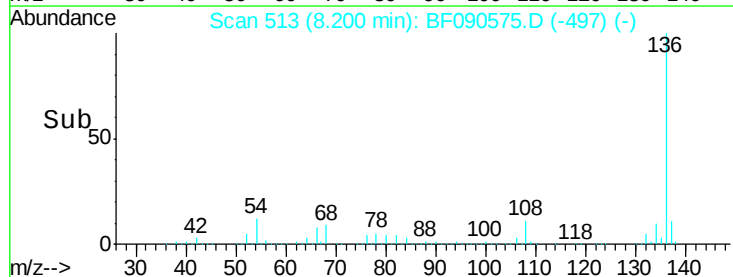
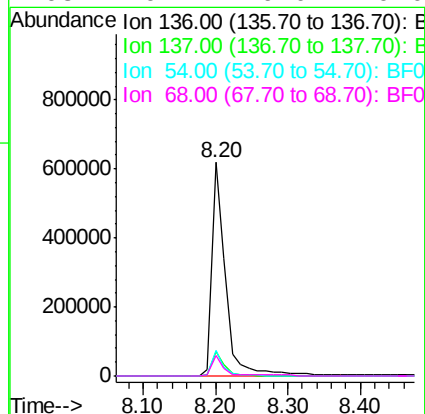
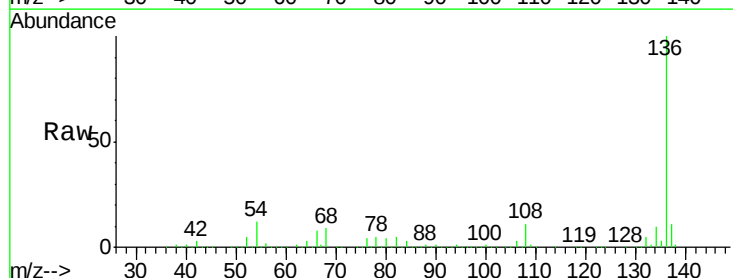
Instrument :  
BNA\_F  
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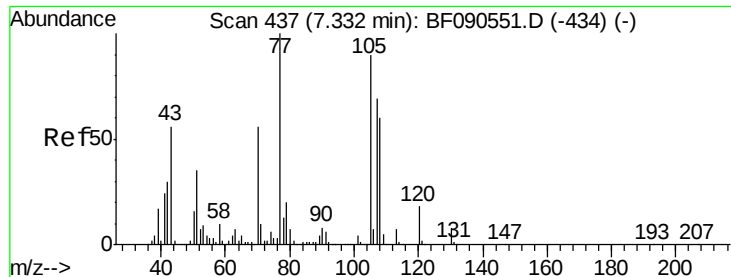
Tgt Ion:107 Resp: 22483  
Ion Ratio Lower Upper  
107 100  
108 28.6 92.6 138.8#  
77 108.3 42.2 63.2#  
79 194.4 40.7 61.1#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.20 min Scan# 513  
Delta R.T. -0.01 min  
Lab File: BF090575.D  
Acq: 14 Oct 2016 17:56

Tgt Ion:136 Resp: 816314  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 12.1 6.8 10.2#  
68 9.4 6.0 9.0#





#22

Acetophenone

Concen: 4.32 ng

RT: 7.33 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

Instrument :

BNA\_F

ClientSampleId :

TS-WSG-16121-11

Tgt Ion: 105 Resp: 77834

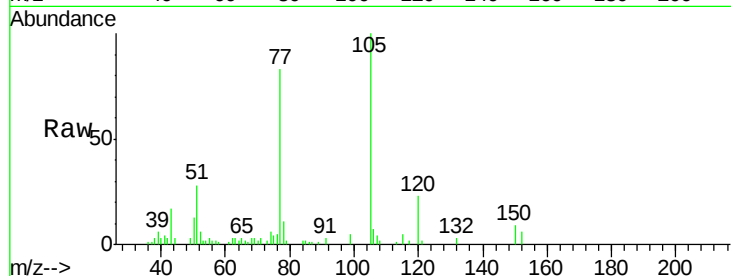
Ion Ratio Lower Upper

105 100

71 2.6 8.5 12.7#

51 27.6 31.0 46.4#

120 22.6 16.2 24.4

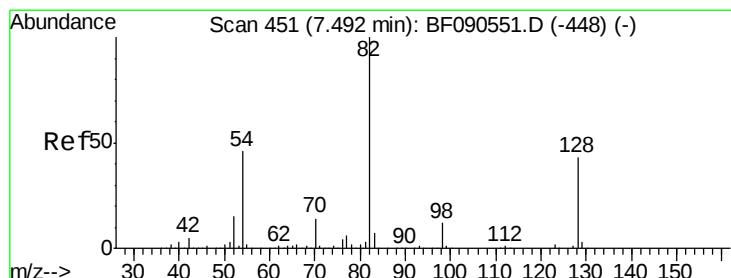
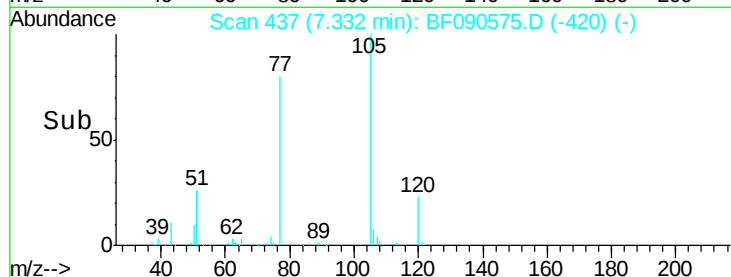
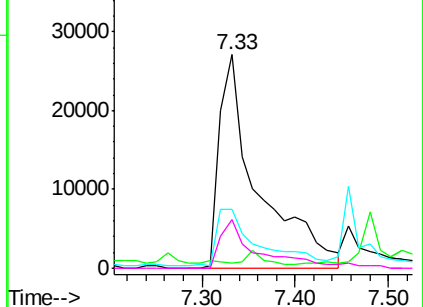


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 67.70 ng

RT: 7.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

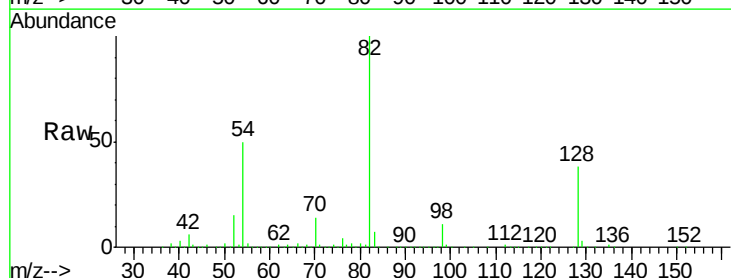
Tgt Ion: 82 Resp: 994918

Ion Ratio Lower Upper

82 100

128 38.5 34.3 51.5

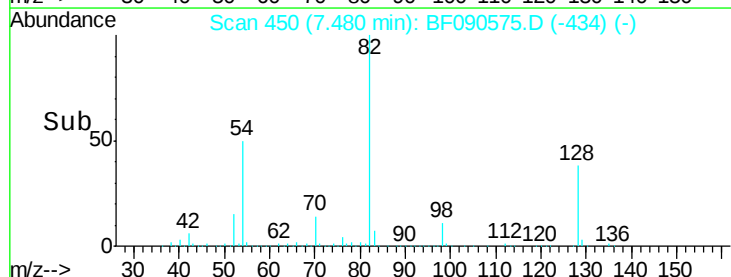
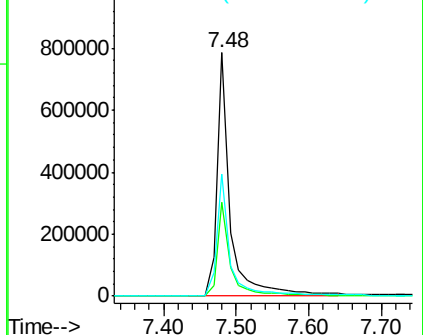
54 50.1 37.0 55.6

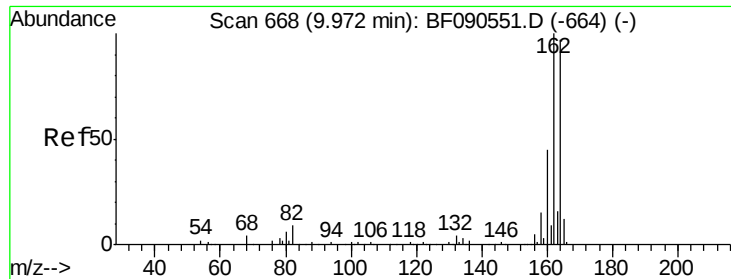


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

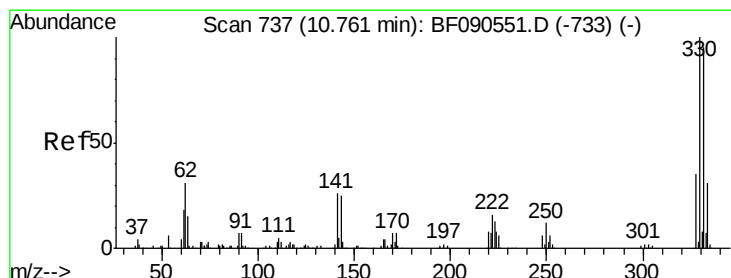
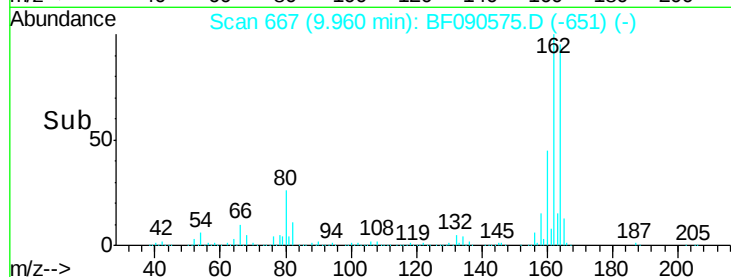
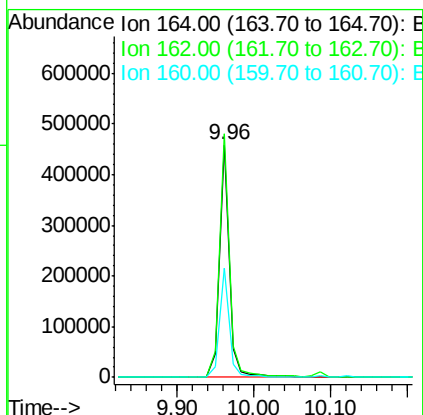
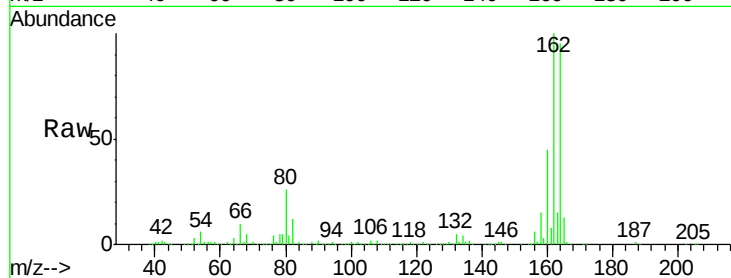




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

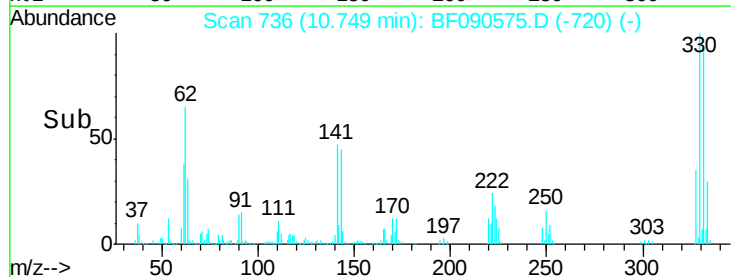
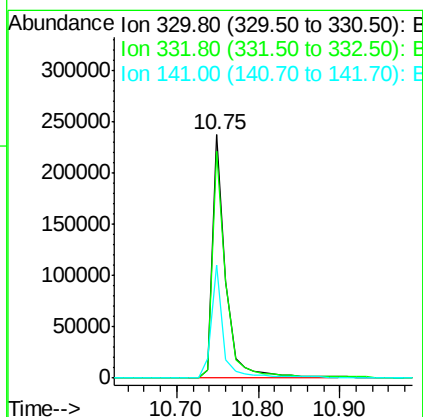
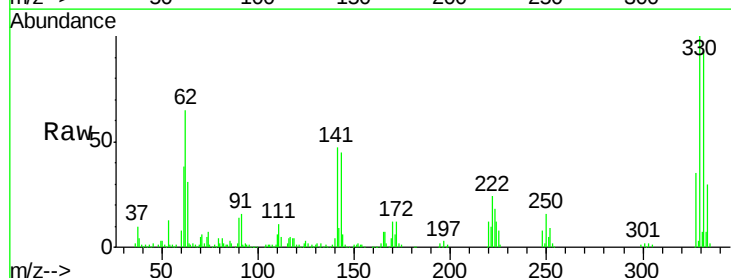
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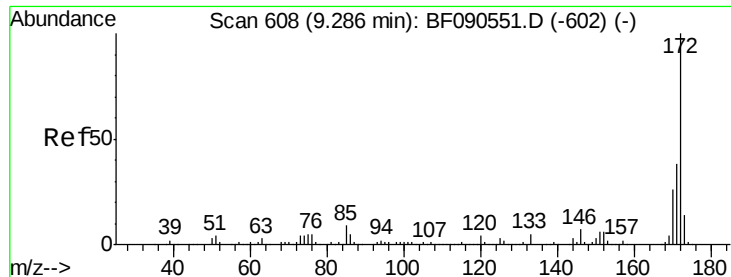
Tgt Ion:164 Resp: 413928  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 82.2 123.4  
 160 47.3 36.6 55.0



#41  
 2,4,6-Tribromophenol  
 Concen: 73.97 ng  
 RT: 10.75 min Scan# 736  
 Delta R.T. -0.01 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

Tgt Ion:330 Resp: 272980  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 76.2 114.2  
 141 43.0 31.4 47.2

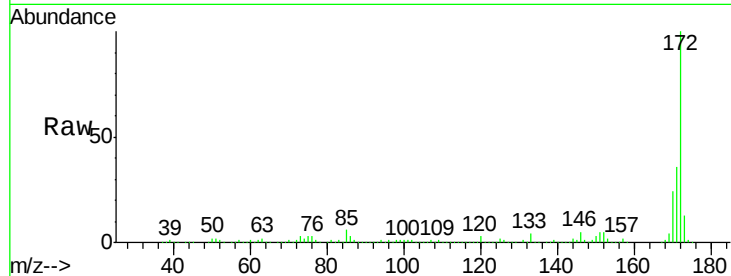




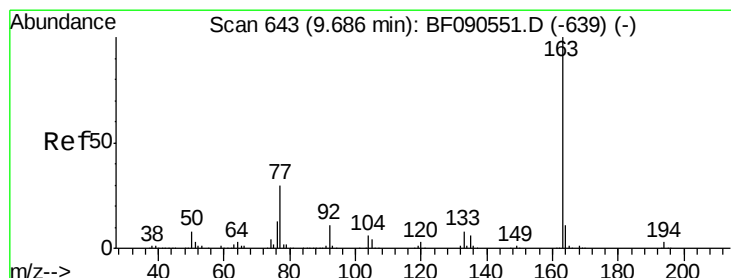
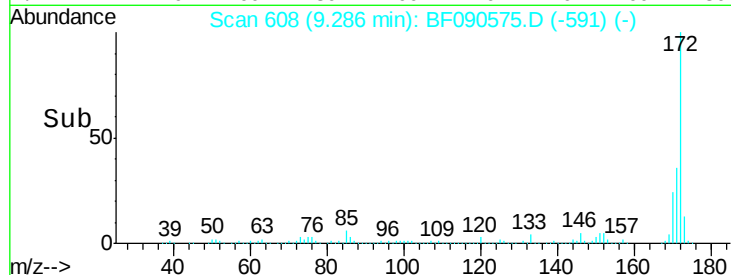
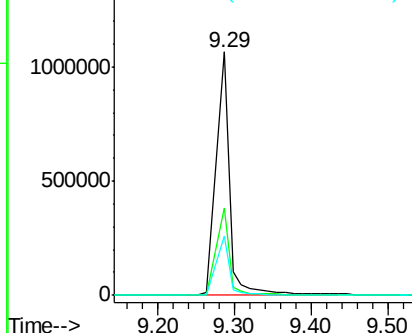
#44  
 2-Fluorobiphenyl  
 Concen: 51.91 ng  
 RT: 9.29 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-11

Tgt Ion:172 Resp: 1304054  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 30.1 45.1  
 170 24.5 20.6 30.8

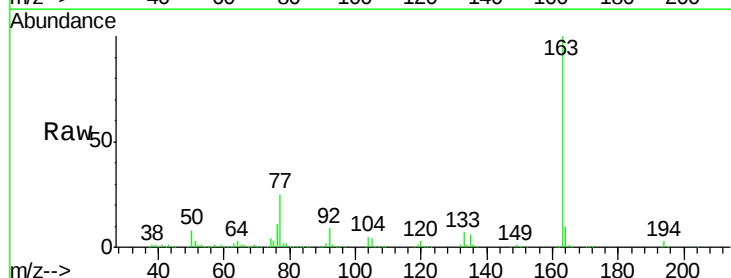


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

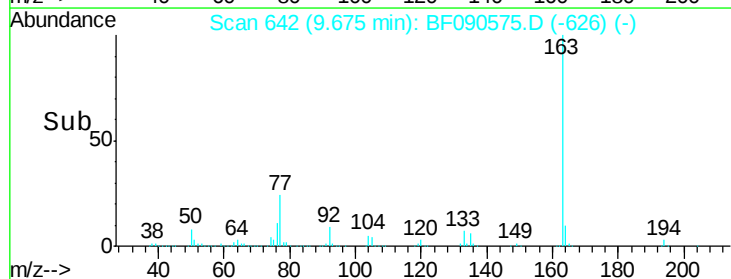
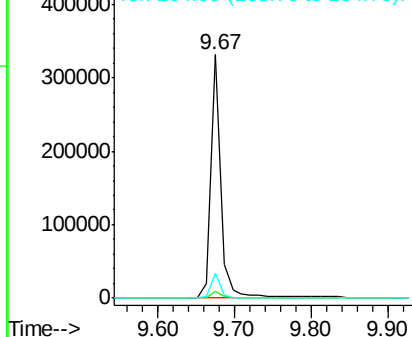


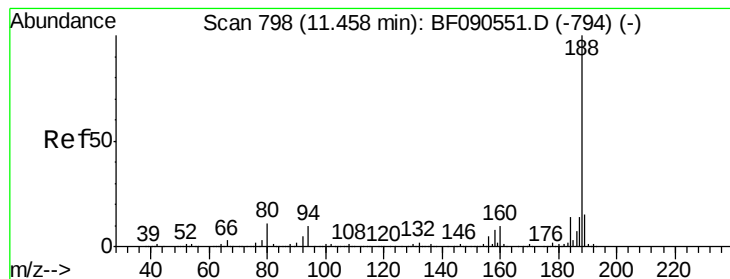
#49  
 Dimethylphthalate  
 Concen: 11.20 ng  
 RT: 9.67 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

Tgt Ion:163 Resp: 300850  
 Ion Ratio Lower Upper  
 163 100  
 194 3.0 2.3 3.5  
 164 10.0 8.6 13.0



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

Instrument :

BNA\_F

ClientSampleId :

TS-WSG-16121-11

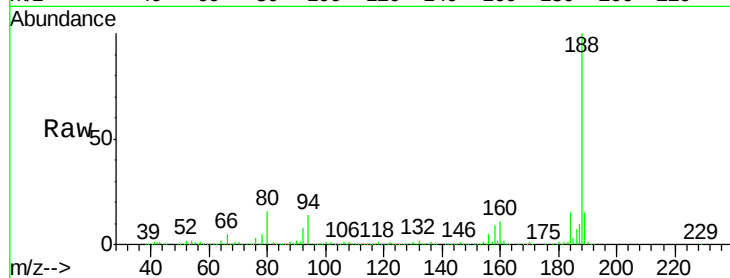
Tgt Ion:188 Resp: 603083

Ion Ratio Lower Upper

188 100

94 14.0 7.7 11.5#

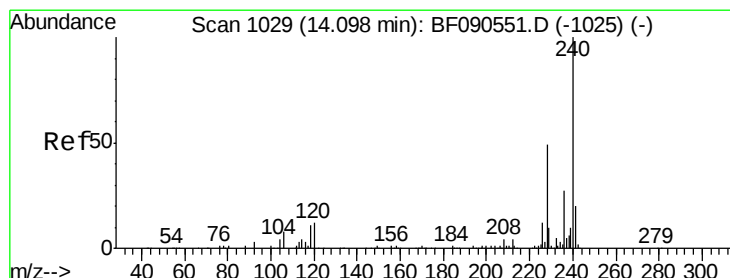
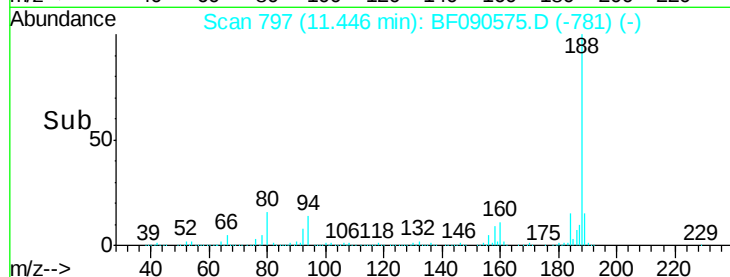
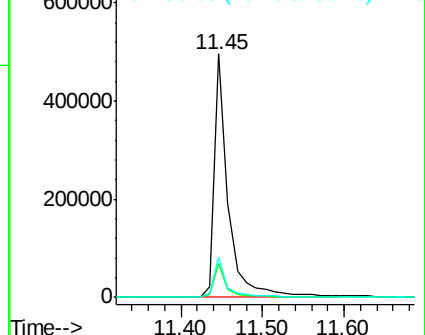
80 16.3 8.6 12.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF090575.D

Acq: 14 Oct 2016 17:56

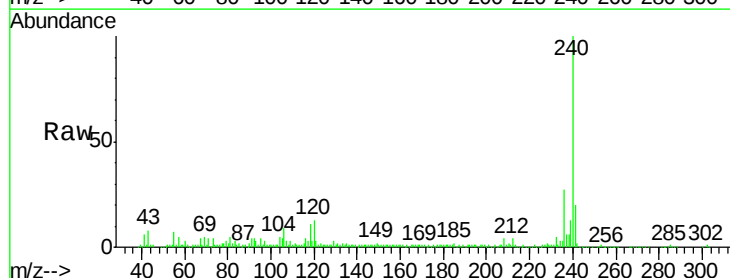
Tgt Ion:240 Resp: 381837

Ion Ratio Lower Upper

240 100

120 12.5 9.8 14.8

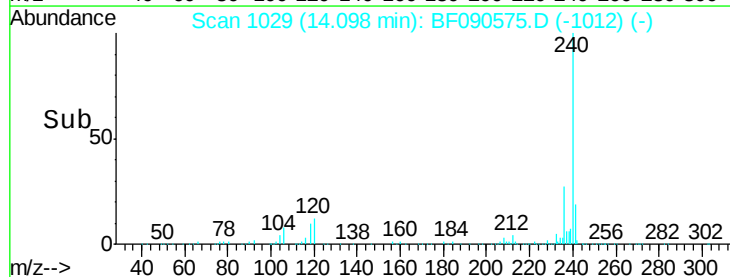
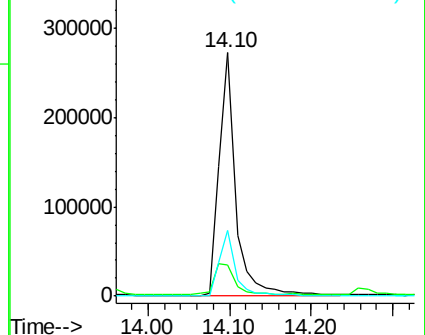
236 27.2 21.7 32.5

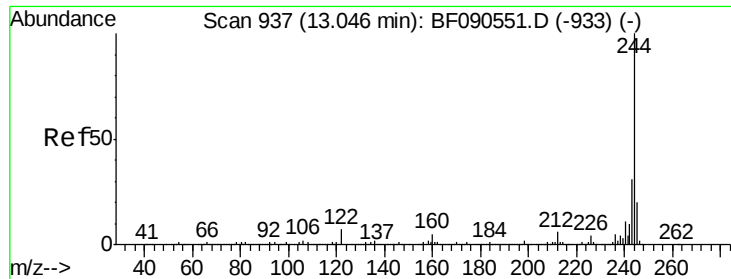


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

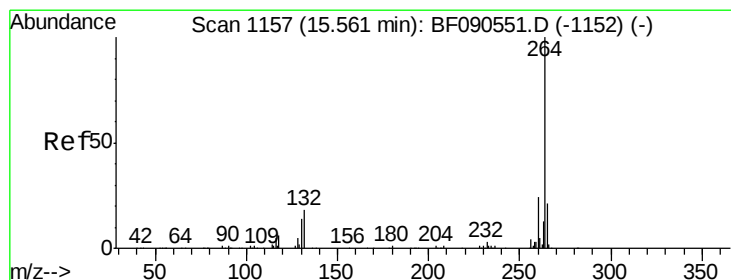
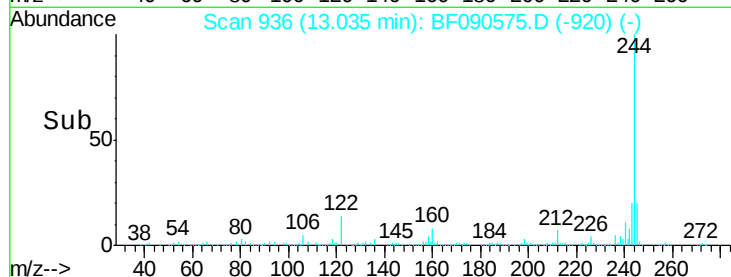
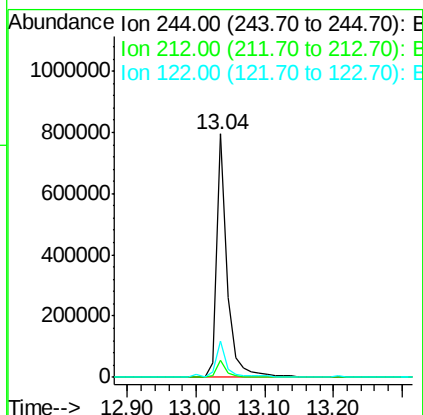
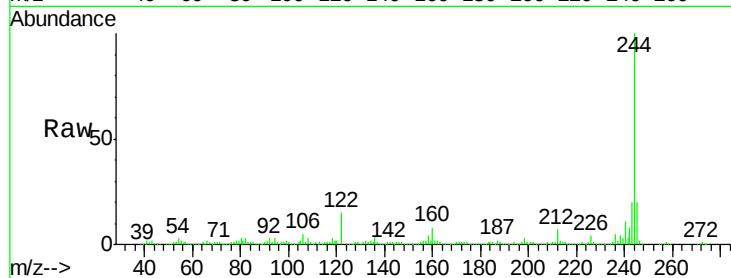




#78  
 Terphenyl-d14  
 Concen: 52.93 ng  
 RT: 13.04 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-WSG-16121-11

Tgt Ion:244 Resp: 868036  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.0 7.4  
 122 15.0 5.6 8.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.56 min Scan# 1157  
 Delta R.T. 0.00 min  
 Lab File: BF090575.D  
 Acq: 14 Oct 2016 17:56

Tgt Ion:264 Resp: 337281  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.3 28.9  
 265 21.6 16.7 25.1

