

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072316\  
 Data File : BF089266.D  
 Acq On : 24 Jul 2016 8:05  
 Operator : UM/SJ  
 Sample : H4152-11  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14.0-15.0

Quant Time: Jul 25 01:19:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 19:03:15 2016  
 Response via : Initial Calibration

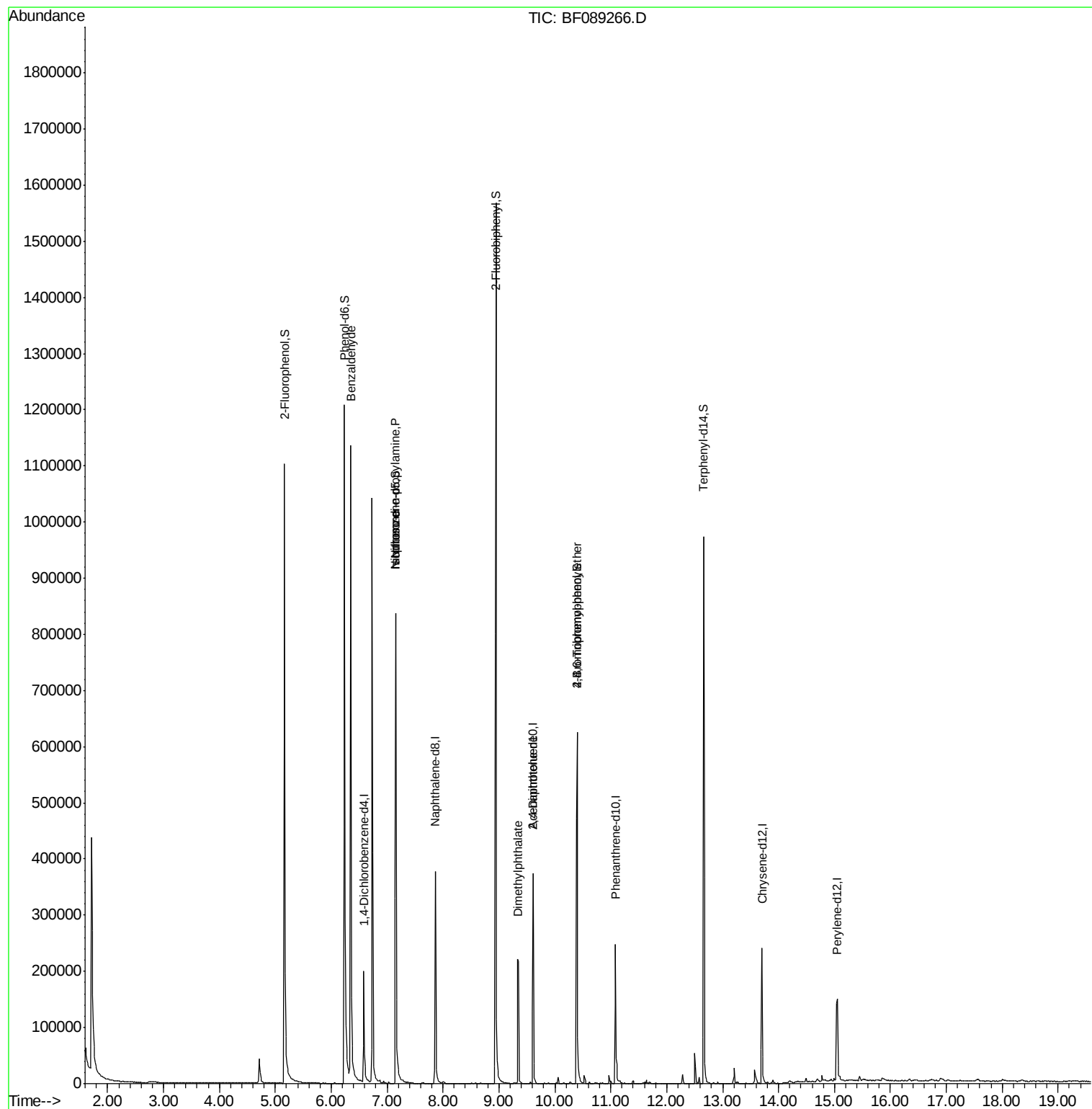
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 44314    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 7.86  | 136  | 197787   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.61  | 164  | 82795    | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.08 | 188  | 131189   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 13.70 | 240  | 91087    | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.05 | 264  | 85860    | 20.00  | ng    | -0.02     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.16  | 112  | 448607   | 153.96 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.24  | 99   | 573316   | 152.58 | ng    | -0.03     |
| 23) Nitrobenzene-d5            | 7.15  | 82   | 382052   | 102.63 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 96872    | 129.95 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 8.95  | 172  | 629002   | 104.67 | ng    | -0.02     |
| 78) Terphenyl-d14              | 12.66 | 244  | 332771   | 79.24  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.35  | 77   | 10688    | 4.12   | ng    | Qvalue 84 |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 50115    | 20.39  | ng    | # 78      |
| 25) Isophorone                 | 7.15  | 82   | 295721   | 43.10  | ng    | # 66      |
| 49) Dimethylphthalate          | 9.35  | 163  | 152033   | 23.93  | ng    | 100       |
| 56) 2,4-Dinitrotoluene         | 9.61  | 165  | 10271    | 5.56   | ng    | # 10      |
| 66) 4-Bromophenyl-phenylether  | 10.40 | 248  | 7551     | 5.82   | ng    | # 1       |

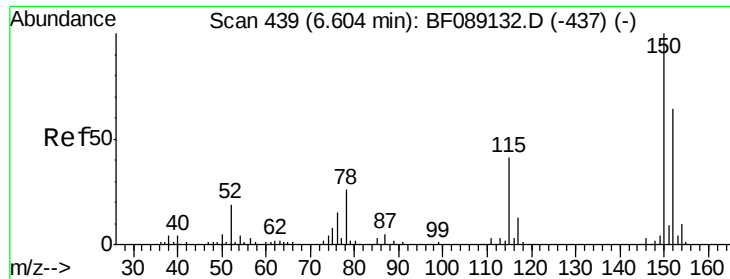
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

Instrument :

BNA\_F

ClientSampleId :

SB-16-14.0-15.0

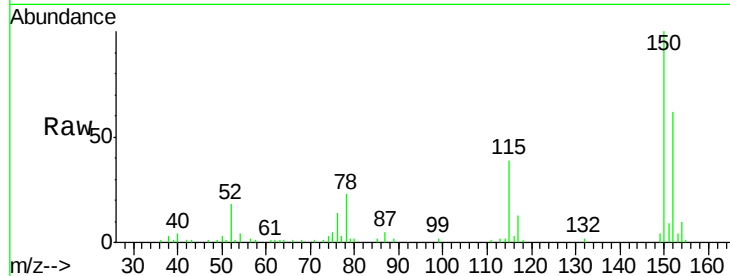
Tgt Ion:152 Resp: 44314

Ion Ratio Lower Upper

152 100

150 161.4 125.1 187.7

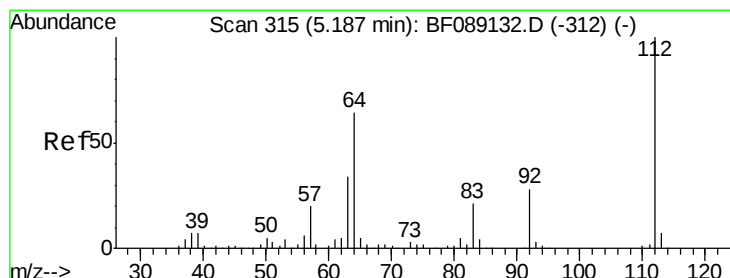
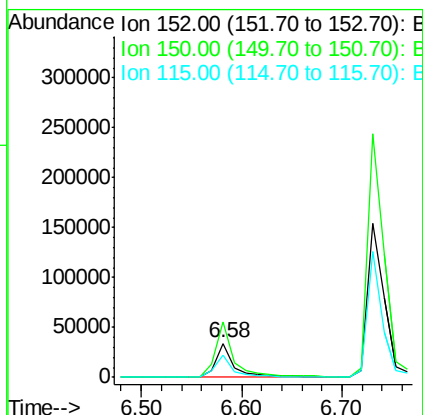
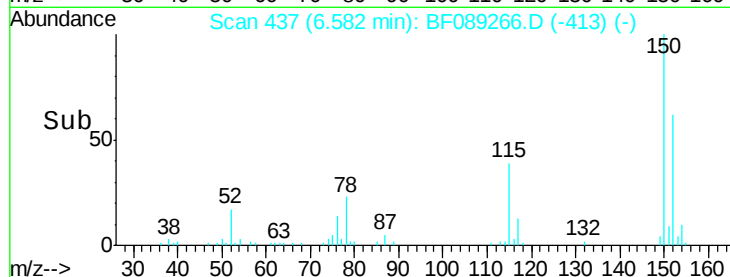
115 63.5 51.1 76.7



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: 153.96 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

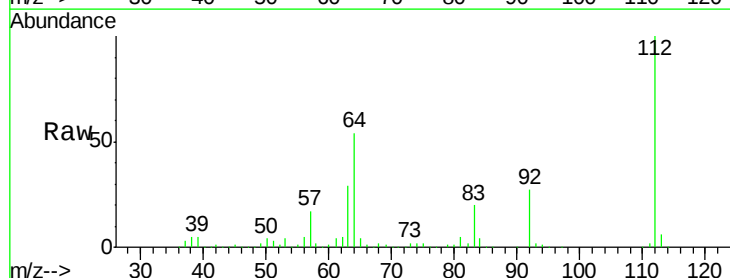
Tgt Ion:112 Resp: 448607

Ion Ratio Lower Upper

112 100

64 54.2 51.0 76.4

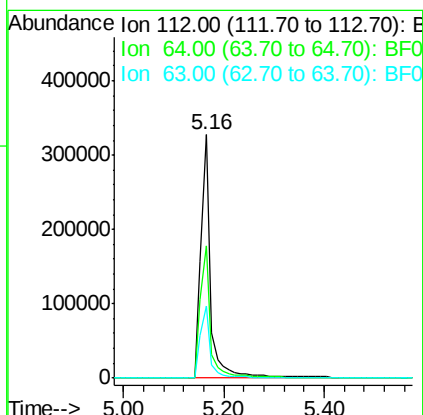
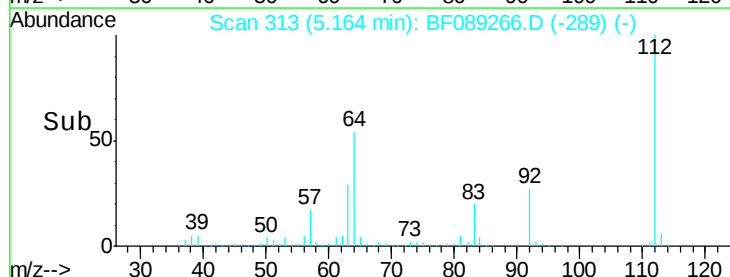
63 29.5 27.3 40.9

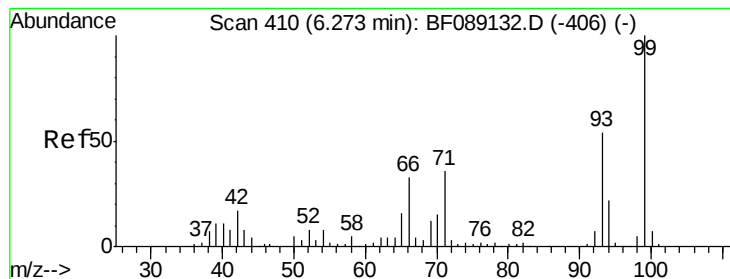


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.58 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

Instrument :

BNA\_F

ClientSampleId :

SB-16-14.0-15.0

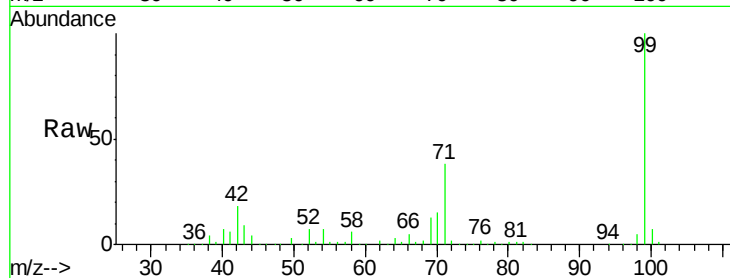
Tgt Ion: 99 Resp: 573316

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

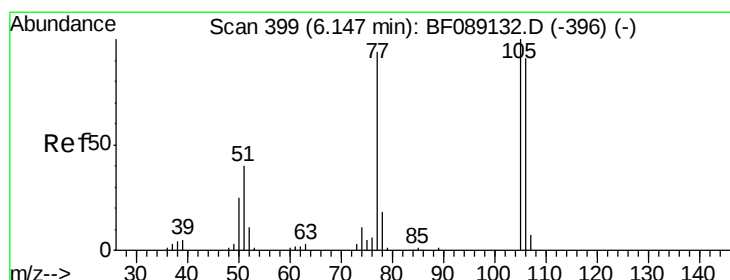
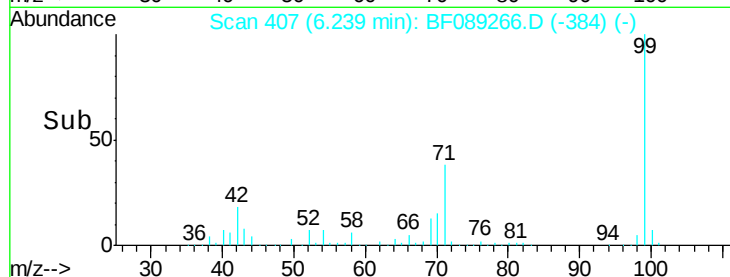
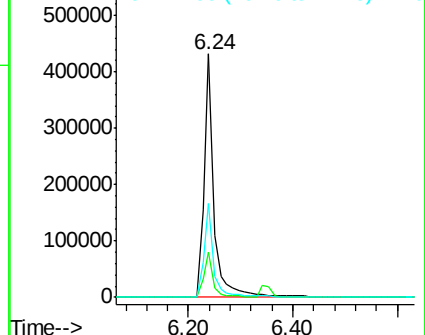
71 38.5 28.9 43.3



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



#9

Benzaldehyde

Concen: 4.12 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

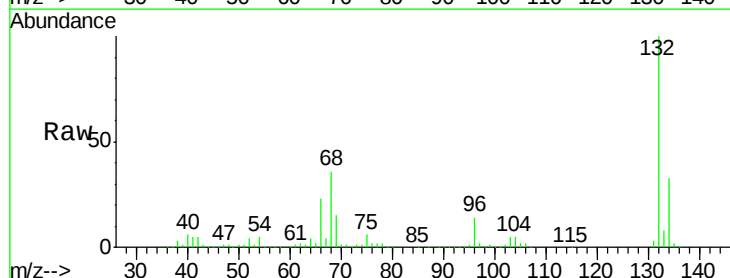
Tgt Ion: 77 Resp: 10688

Ion Ratio Lower Upper

77 100

105 88.5 86.2 126.2

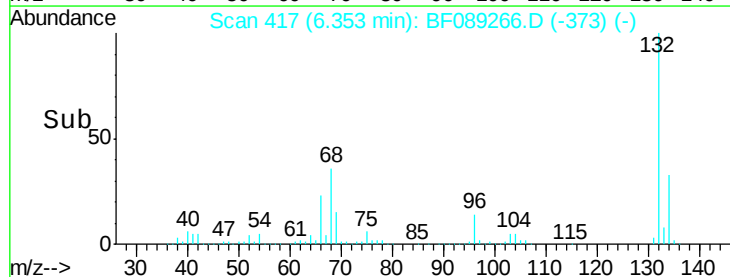
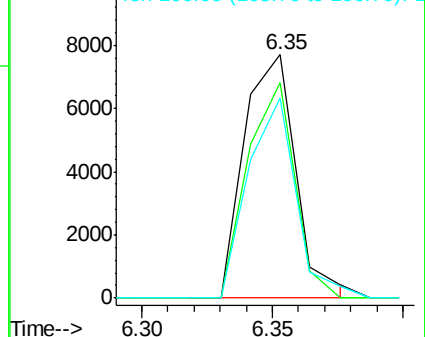
106 82.0 76.3 116.3

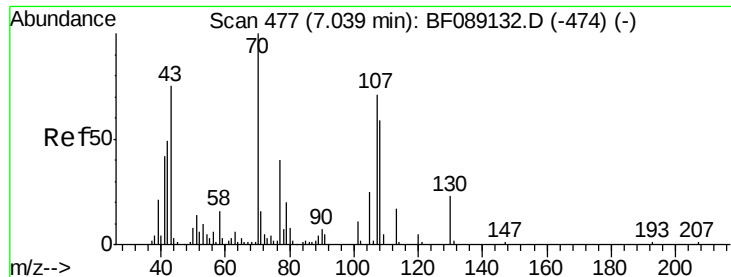


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

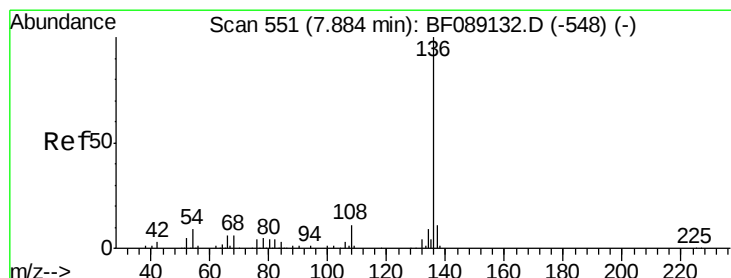
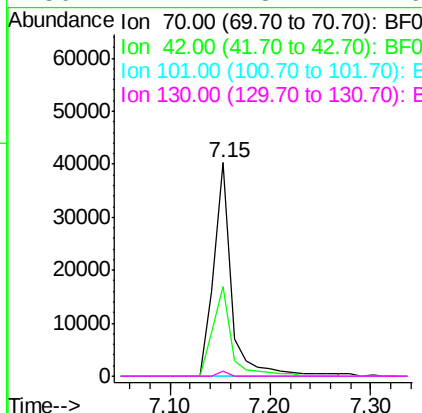
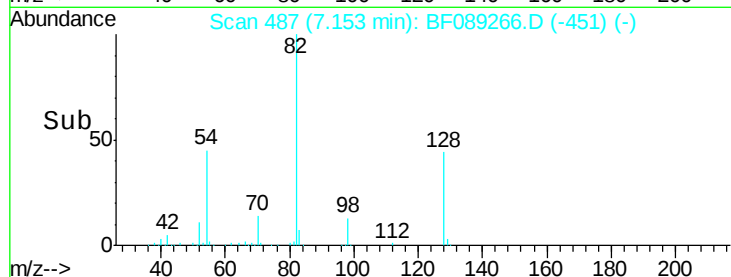
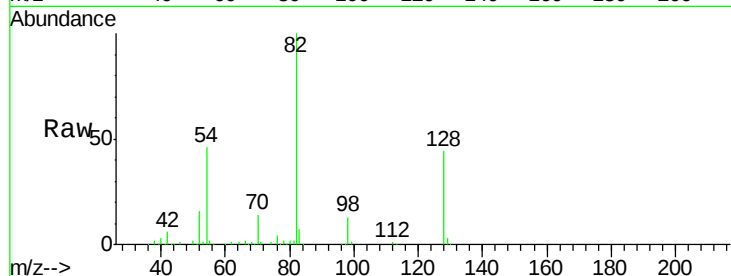




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.39 ng  
RT: 7.15 min Scan# 487  
Delta R.T. 0.11 min  
Lab File: BF089266.D  
Acq: 24 Jul 2016 8:05

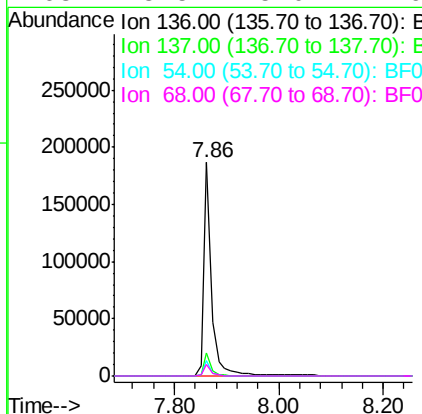
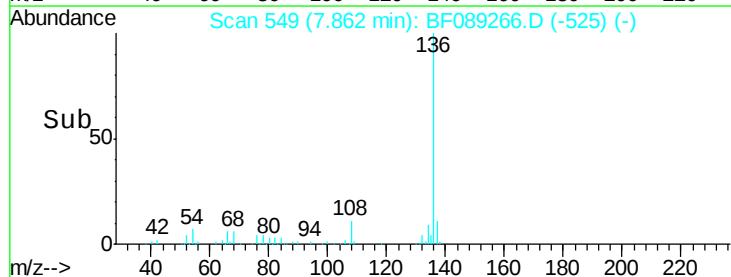
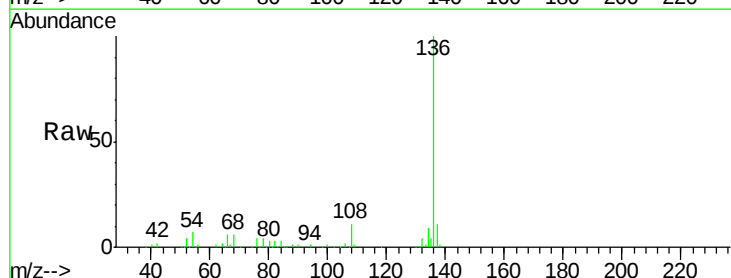
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14.0-15.0

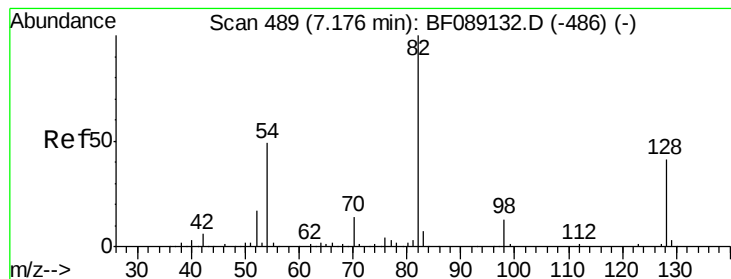
Tgt Ion: 70 Resp: 50115  
Ion Ratio Lower Upper  
70 100  
42 41.9 39.2 58.8  
101 0.0 8.5 12.7#  
130 2.2 18.4 27.6#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.86 min Scan# 549  
Delta R.T. -0.02 min  
Lab File: BF089266.D  
Acq: 24 Jul 2016 8:05

Tgt Ion: 136 Resp: 197787  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.1 7.0 10.4  
68 5.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 102.63 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

Instrument :

BNA\_F

ClientSampleId :

SB-16-14.0-15.0

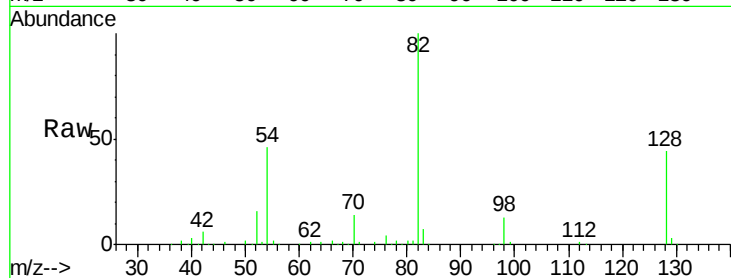
Tgt Ion: 82 Resp: 382052

Ion Ratio Lower Upper

82 100

128 43.9 33.0 49.6

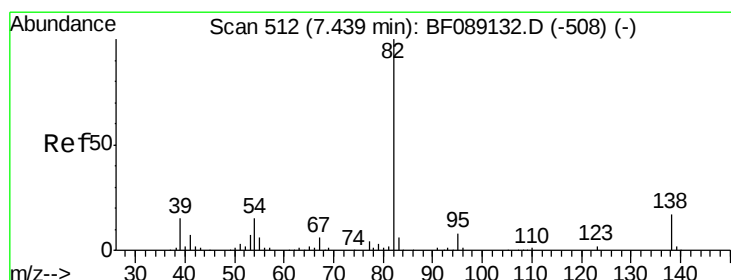
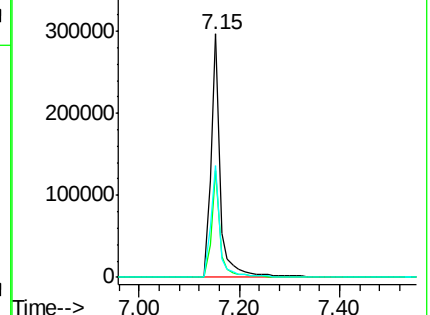
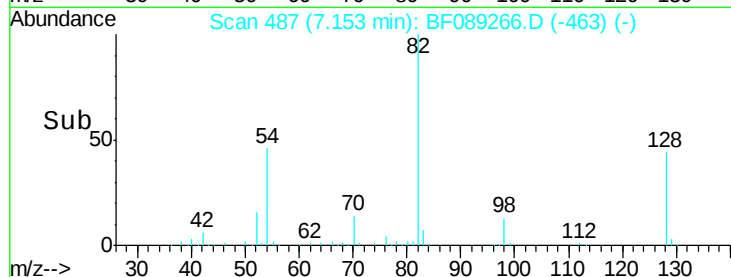
54 46.0 39.0 58.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 43.10 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

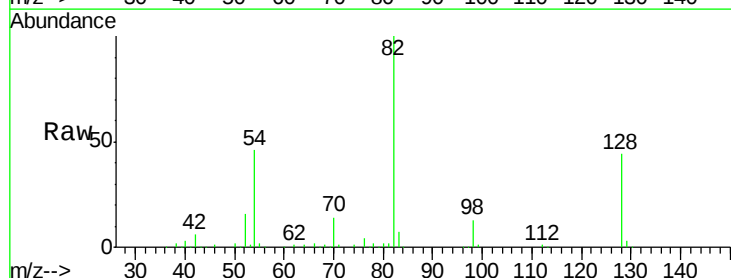
Tgt Ion: 82 Resp: 295721

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

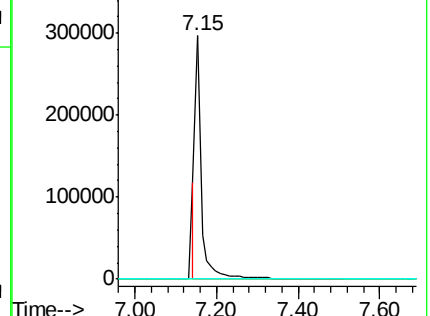
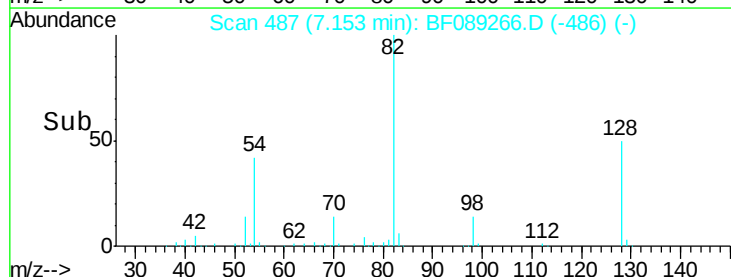
138 0.0 13.6 20.4#

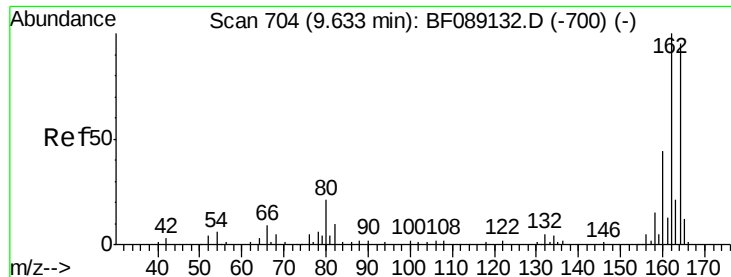


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

Instrument :

BNA\_F

ClientSampleId :

SB-16-14.0-15.0

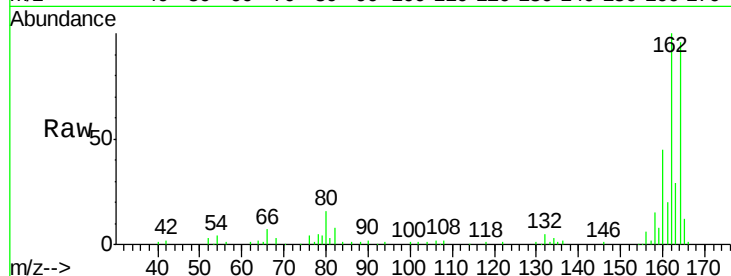
Tgt Ion:164 Resp: 82795

Ion Ratio Lower Upper

164 100

162 104.5 84.1 126.1

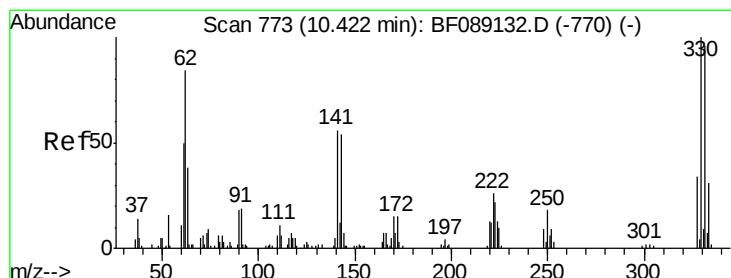
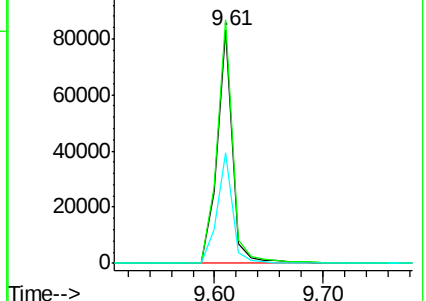
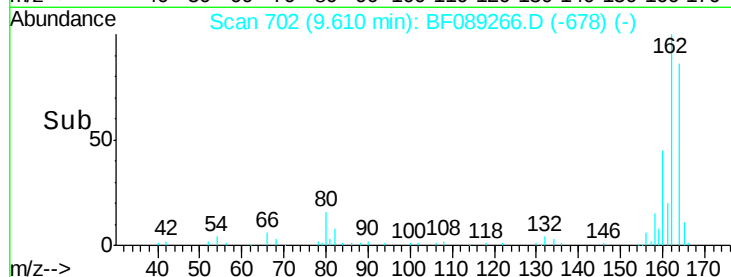
160 47.2 37.1 55.7



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: 129.95 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF089266.D

Acq: 24 Jul 2016 8:05

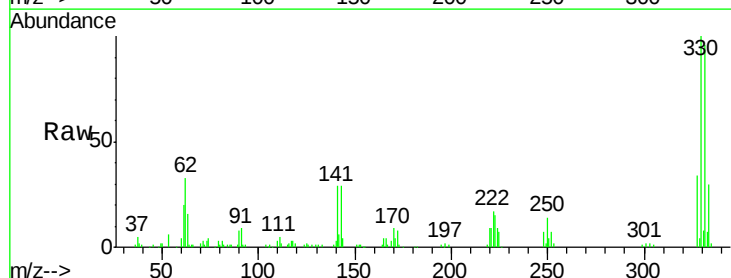
Tgt Ion:330 Resp: 96872

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

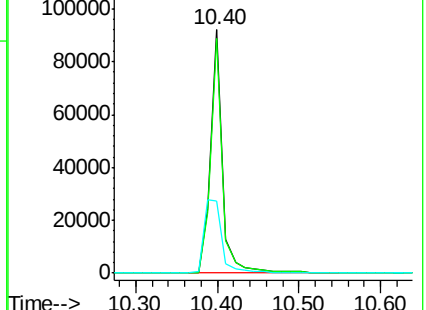
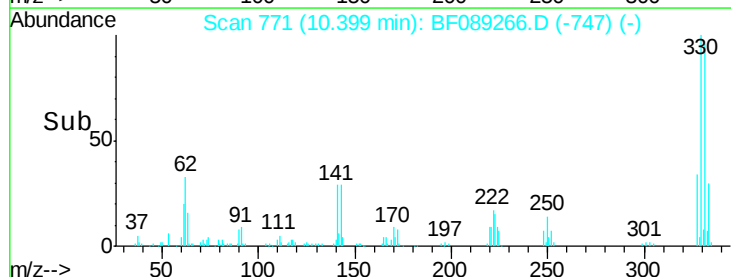
141 45.1 42.2 63.2

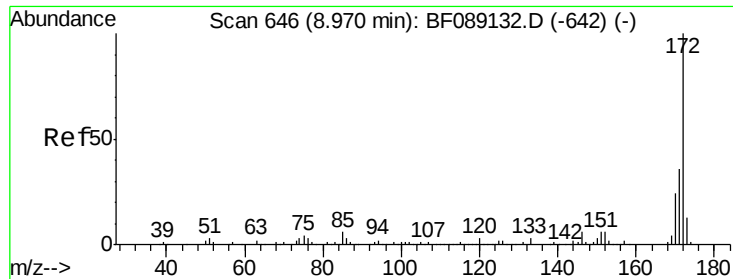


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

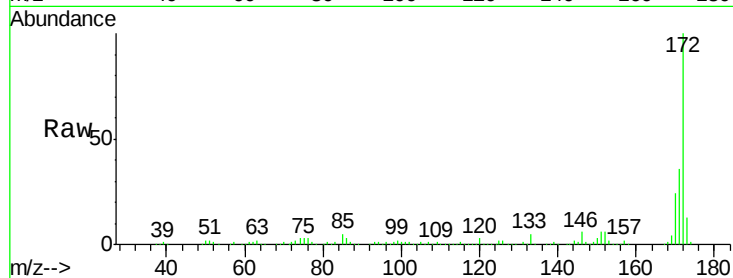




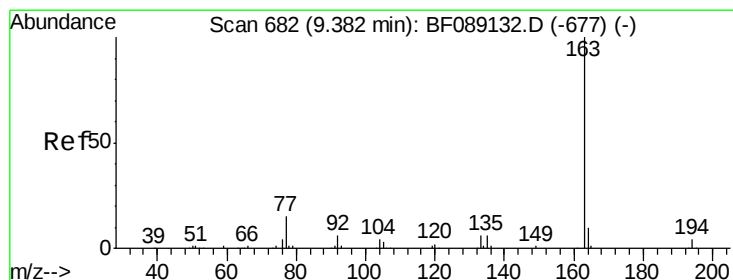
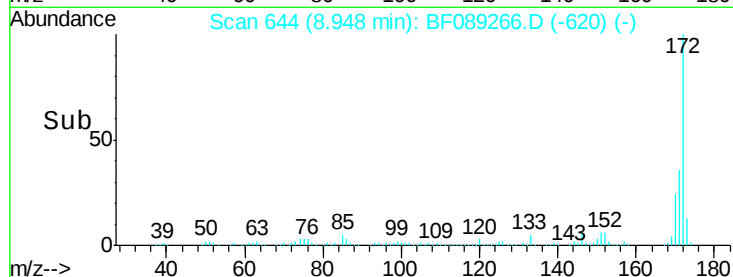
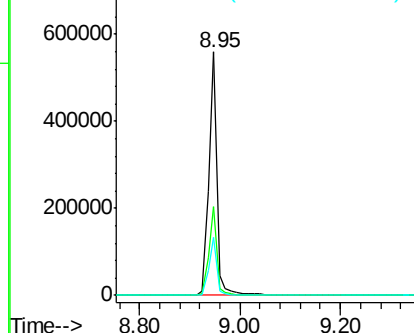
#44  
 2-Fluorobiphenyl  
 Concen: 104.67 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. -0.02 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Instrument :  
 BNA\_F  
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 SB-16-14.0-15.0

Tgt Ion:172 Resp: 629002  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.2 43.8  
 170 23.6 19.1 28.7

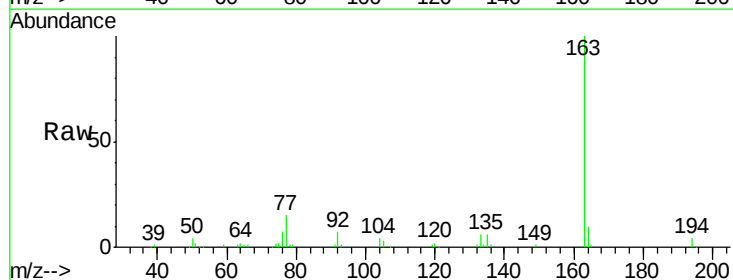


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

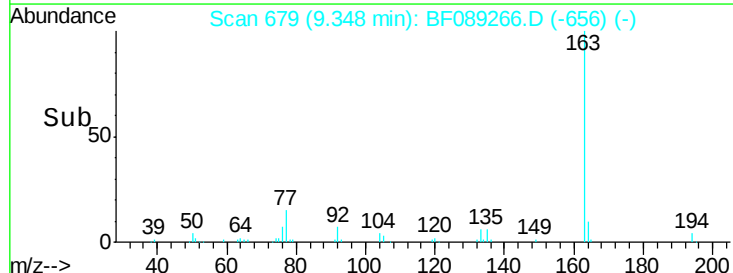
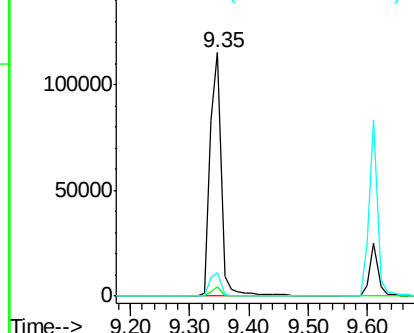


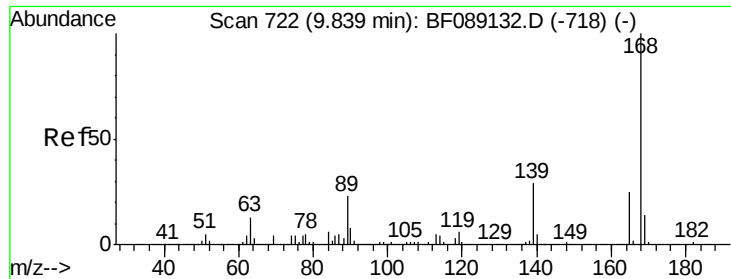
#49  
 Dimethylphthalate  
 Concen: 23.93 ng  
 RT: 9.35 min Scan# 679  
 Delta R.T. -0.03 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Tgt Ion:163 Resp: 152033  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 2.9 4.3  
 164 9.7 7.6 11.4



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

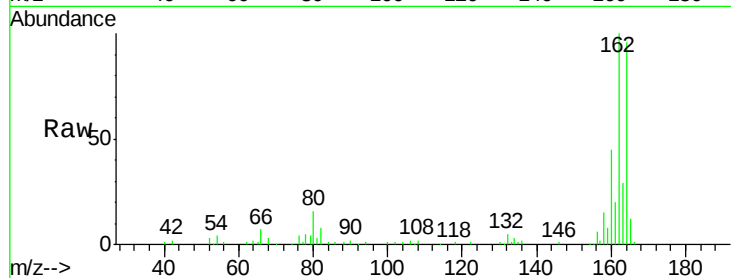




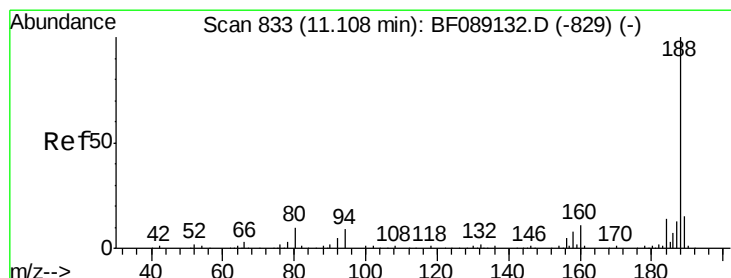
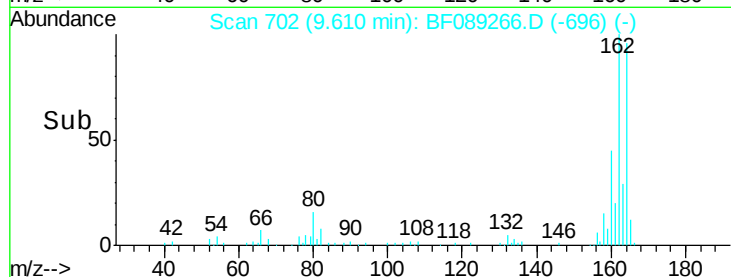
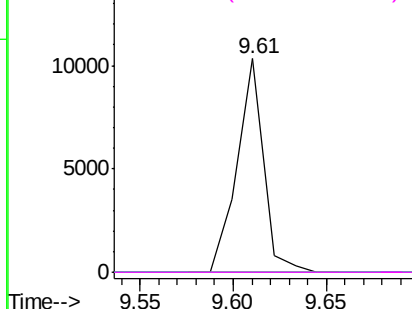
#56  
2,4-Dinitrotoluene  
Concen: 5.56 ng  
RT: 9.61 min Scan# 702  
Delta R.T. -0.23 min  
Lab File: BF089266.D  
Acq: 24 Jul 2016 8:05

Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14.0-15.0

Tgt Ion:165 Resp: 10271  
Ion Ratio Lower Upper  
165 100  
63 0.0 55.4 83.2#  
89 0.0 74.3 111.5#  
182 0.0 2.0 3.0#



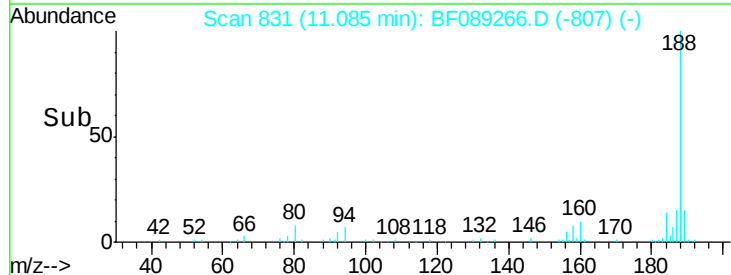
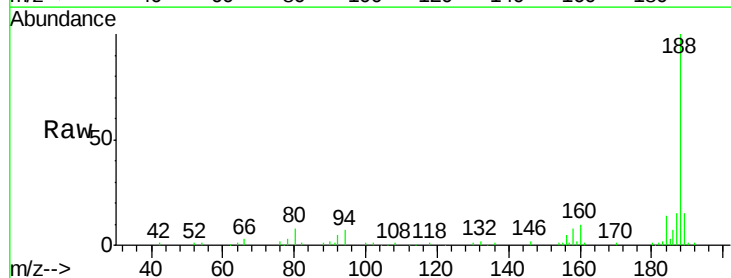
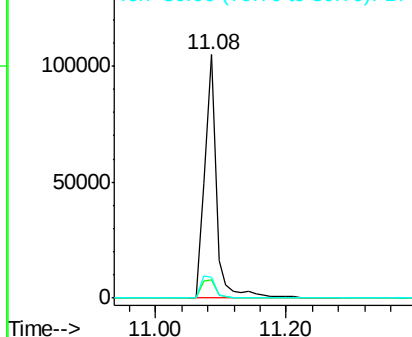
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

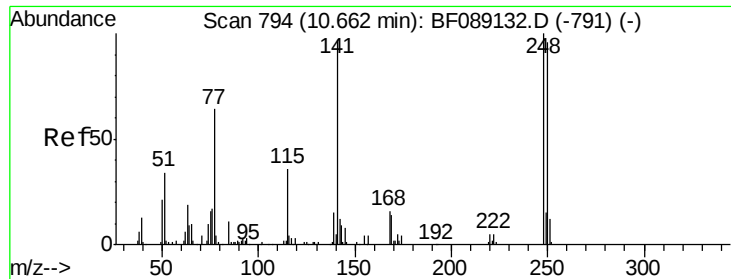


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.08 min Scan# 831  
Delta R.T. -0.02 min  
Lab File: BF089266.D  
Acq: 24 Jul 2016 8:05

Tgt Ion:188 Resp: 131189  
Ion Ratio Lower Upper  
188 100  
94 7.3 7.0 10.4  
80 8.4 7.7 11.5

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

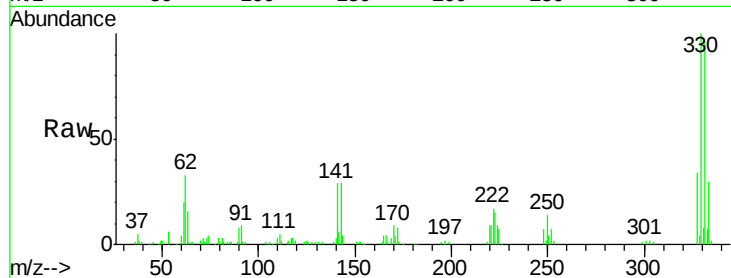




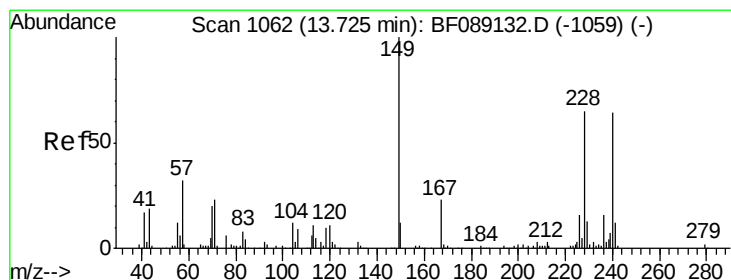
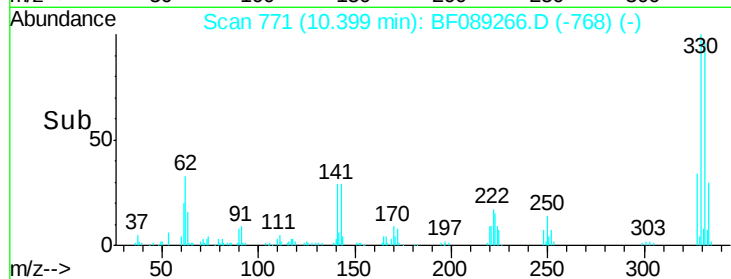
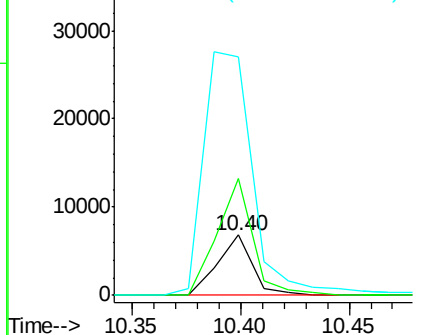
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.82 ng  
 RT: 10.40 min Scan# 771  
 Delta R.T. -0.26 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14.0-15.0

Tgt Ion: 248 Resp: 7551  
 Ion Ratio Lower Upper  
 248 100  
 250 193.7 76.9 115.3#  
 141 396.6 77.4 116.2#

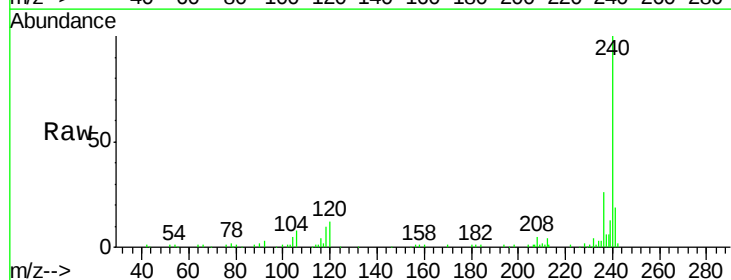


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

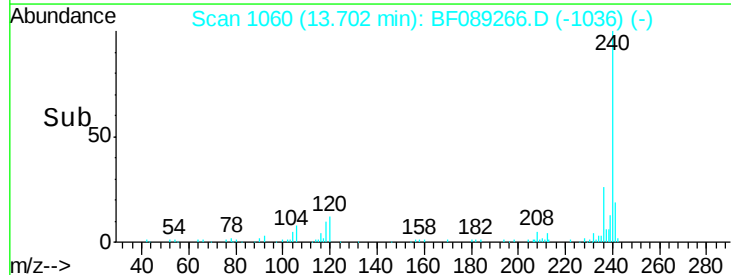
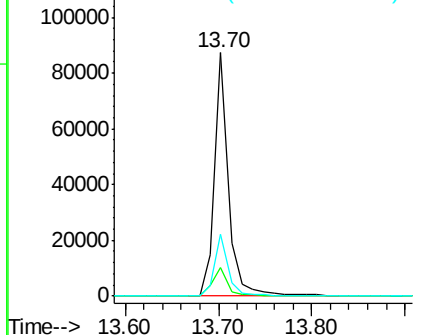


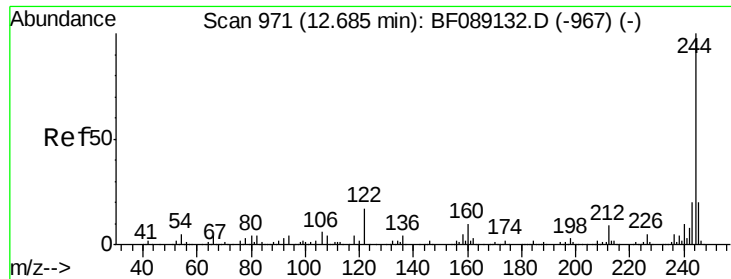
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.70 min Scan# 1060  
 Delta R.T. -0.02 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Tgt Ion: 240 Resp: 91087  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 13.6 20.4#  
 236 25.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

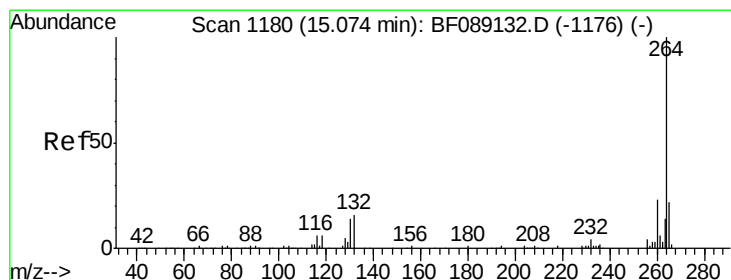
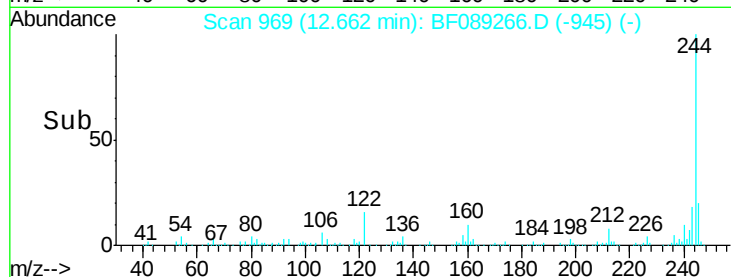
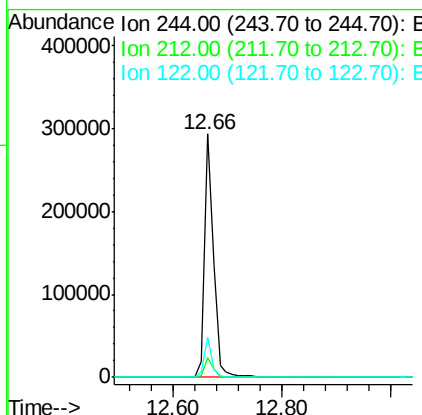
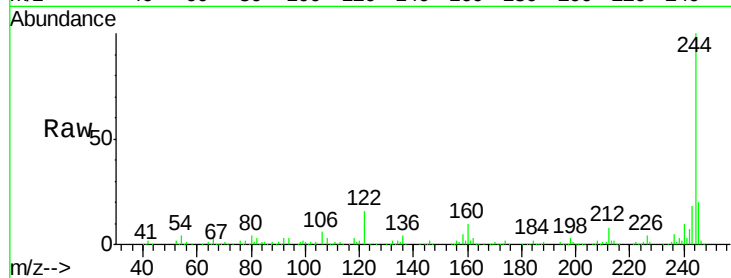




#78  
 Terphenyl-d14  
 Concen: 79.24 ng  
 RT: 12.66 min Scan# 969  
 Delta R.T. -0.02 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14.0-15.0

Tgt Ion: 244 Resp: 332771  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 7.0 10.4  
 122 16.4 13.8 20.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.02 min  
 Lab File: BF089266.D  
 Acq: 24 Jul 2016 8:05

Tgt Ion: 264 Resp: 85860  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 18.5 27.7  
 265 21.4 17.3 25.9

