

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090816\  
 Data File : BF090043.D  
 Acq On : 9 Sep 2016 00:05  
 Operator : UM/SJ  
 Sample : H4688-03 10X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-AST3

Quant Time: Sep 09 04:40:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 08 16:07:52 2016  
 Response via : Initial Calibration

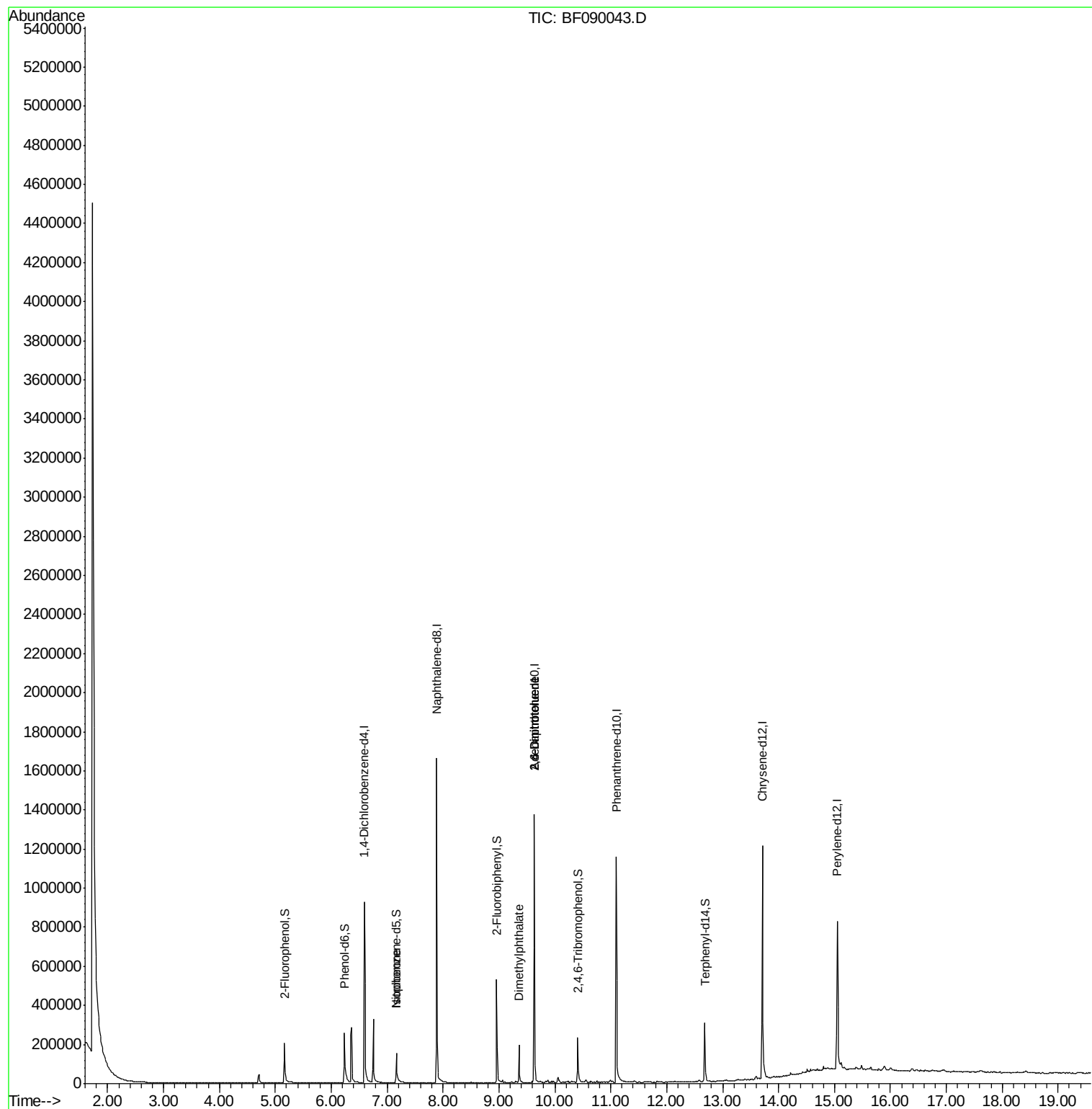
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.59  | 152  | 192728   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.88  | 136  | 795189   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.63  | 164  | 353260   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.10 | 188  | 570381   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.71 | 240  | 490691   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.05 | 264  | 358709   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.16  | 112  | 107178   | 8.90  | ng    | 0.00     |
| 7) Phenol-d6                | 6.24  | 99   | 157862   | 10.79 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 85885    | 6.26  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.41 | 330  | 36204    | 10.39 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 217112   | 10.09 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.69 | 244  | 163490   | 8.23  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.16  | 82   | 69903    | 2.51  | ng    | # 65     |
| 49) Dimethylphthalate       | 9.36  | 163  | 86901    | 3.40  | ng    | 98       |
| 50) 2,6-Dinitrotoluene      | 9.63  | 165  | 45527    | 8.02  | ng    | # 27     |
| 56) 2,4-Dinitrotoluene      | 9.63  | 165  | 45522    | 6.32  | ng    | # 30     |

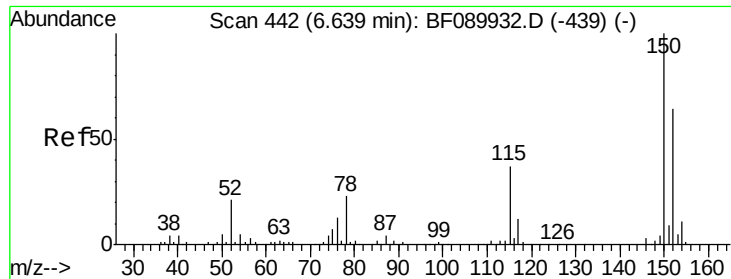
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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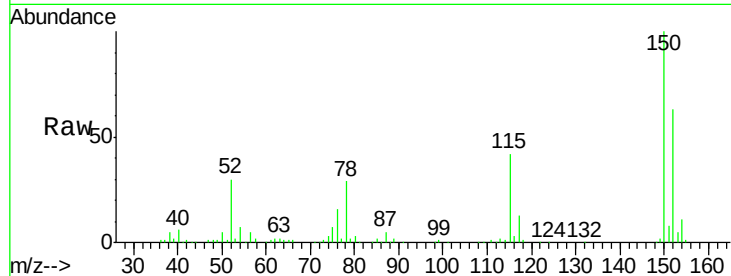


#1

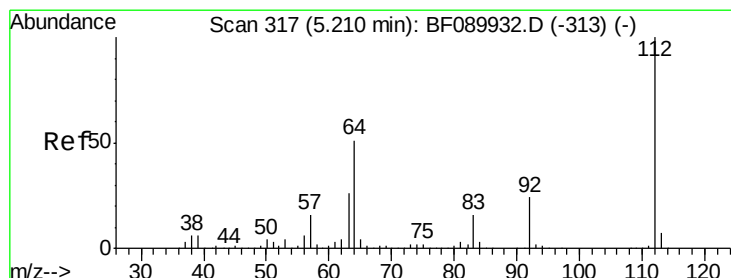
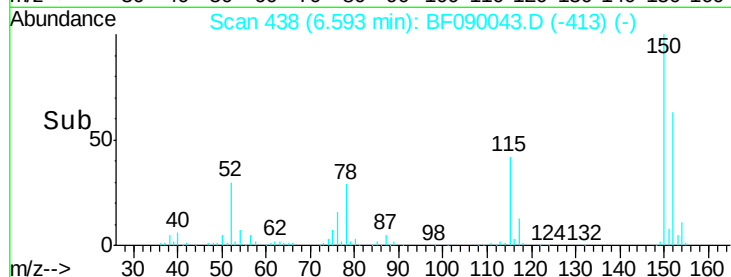
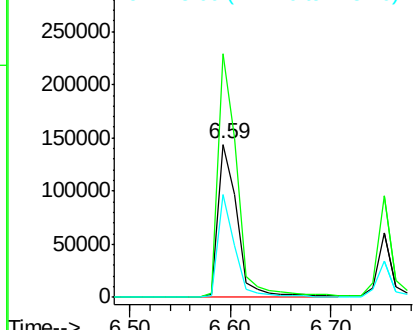
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.59 min Scan# 438  
Delta R.T. -0.01 min  
Lab File: BF090043.D  
Acq: 9 Sep 2016 00:05

Instrument :  
BNA\_F  
ClientSampleId :  
SS-AST3

Tgt Ion:152 Resp: 192728  
Ion Ratio Lower Upper  
152 100  
150 159.1 127.4 191.2  
115 66.9 46.3 69.5



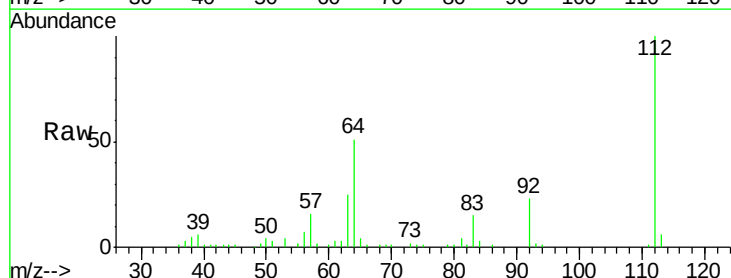
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



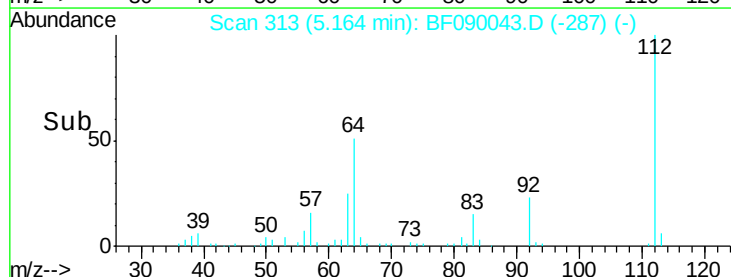
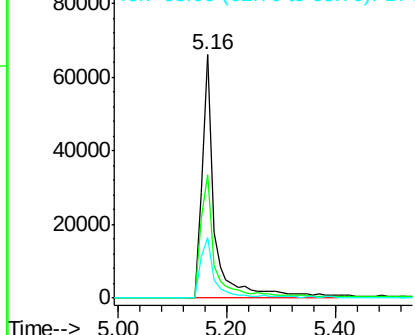
#5

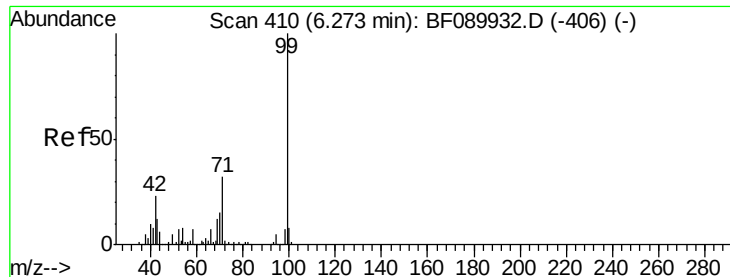
2-Fluorophenol  
Concen: 8.90 ng  
RT: 5.16 min Scan# 313  
Delta R.T. 0.00 min  
Lab File: BF090043.D  
Acq: 9 Sep 2016 00:05

Tgt Ion:112 Resp: 107178  
Ion Ratio Lower Upper  
112 100  
64 50.5 41.1 61.7  
63 25.1 21.2 31.8



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: 10.79 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

SS-AST3

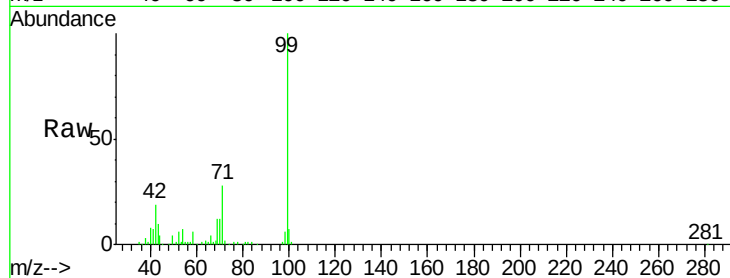
Tgt Ion: 99 Resp: 157862

Ion Ratio Lower Upper

99 100

42 18.6 18.6 27.8

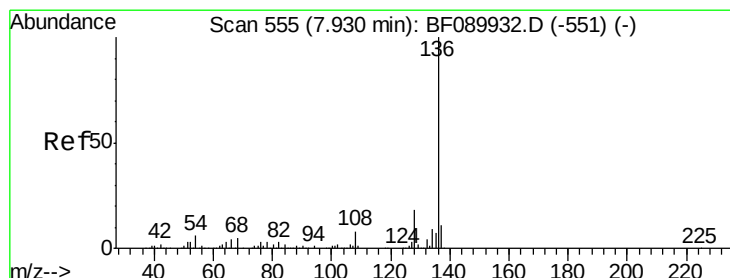
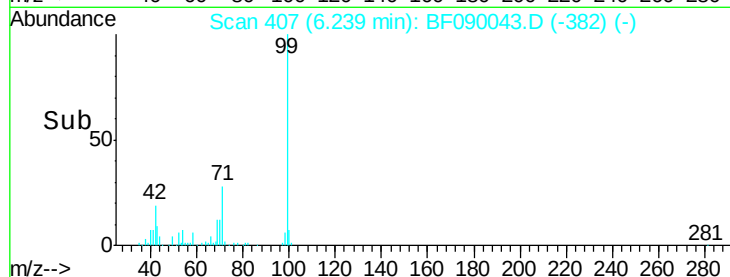
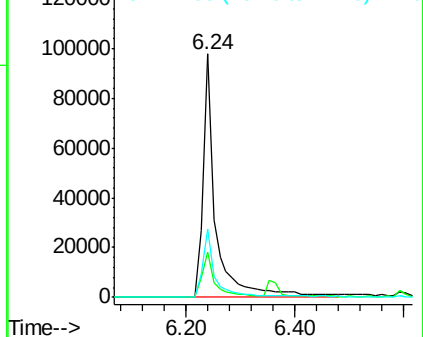
71 28.1 25.8 38.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Tgt Ion: 136 Resp: 795189

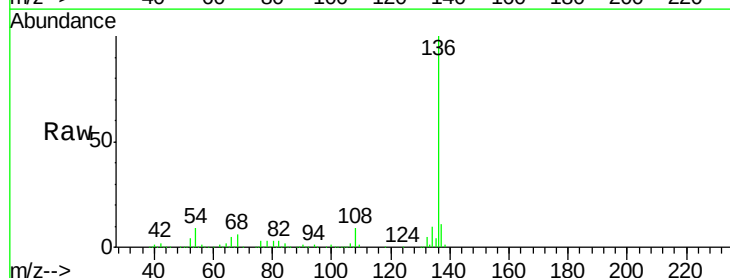
Ion Ratio Lower Upper

136 100

137 11.2 8.3 12.5

54 9.0 4.8 7.2#

68 6.0 3.7 5.5#

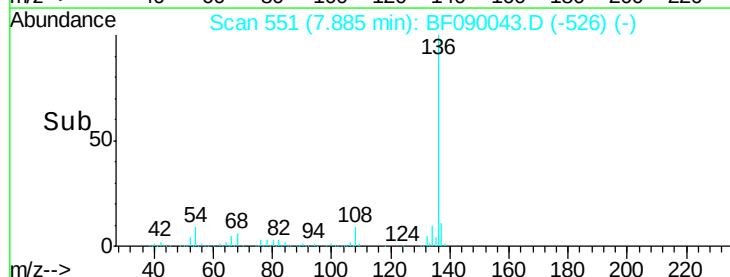
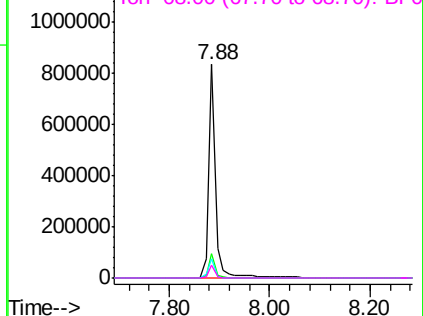


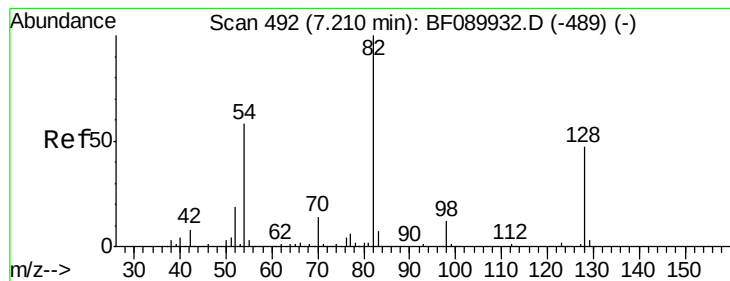
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 6.26 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

SS-AST3

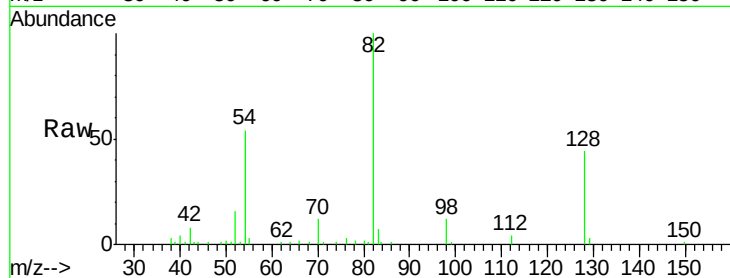
Tgt Ion: 82 Resp: 85885

Ion Ratio Lower Upper

82 100

128 44.2 37.8 56.8

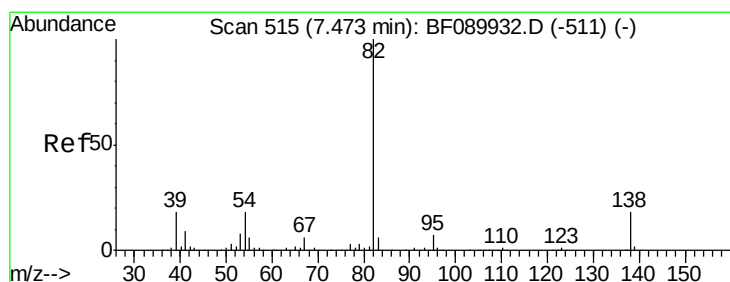
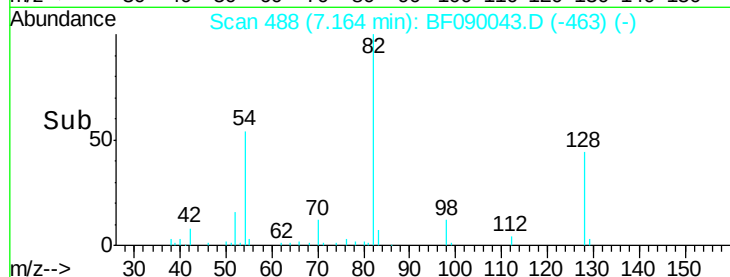
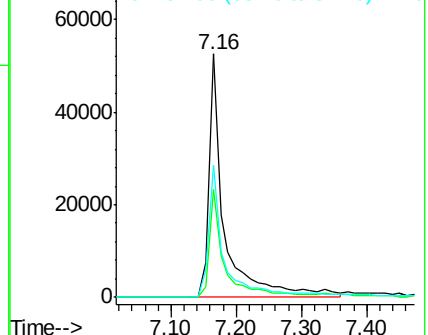
54 54.4 46.9 70.3



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: 2.51 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

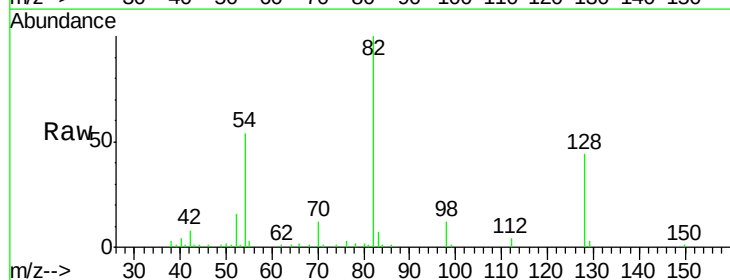
Tgt Ion: 82 Resp: 69903

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

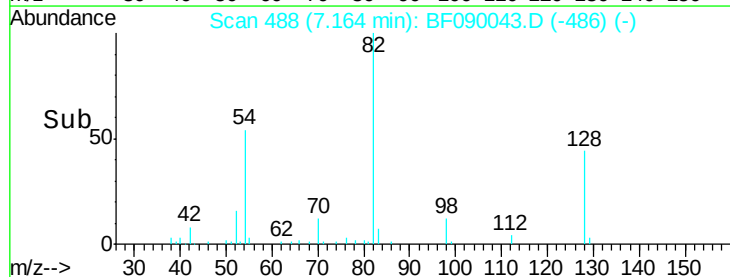
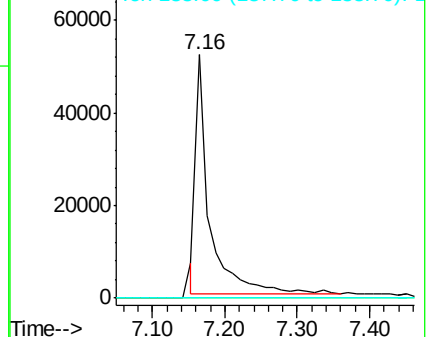
138 0.0 14.4 21.6#

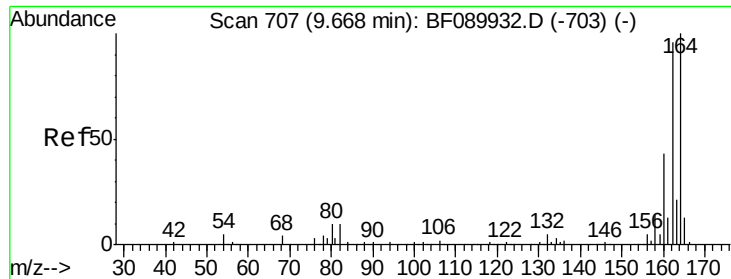


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Instrument :

BNA\_F

ClientSampleId :

SS-AST3

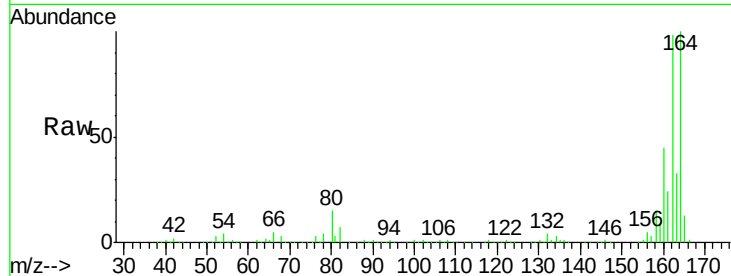
Tgt Ion:164 Resp: 353260

Ion Ratio Lower Upper

164 100

162 98.3 77.1 115.7

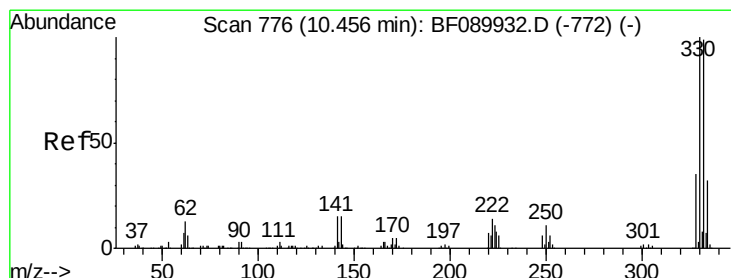
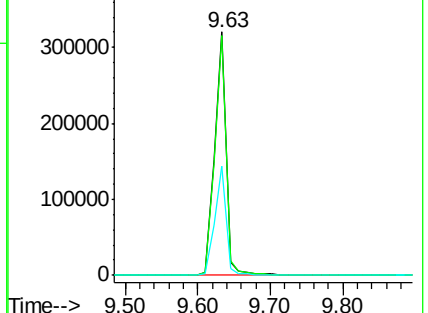
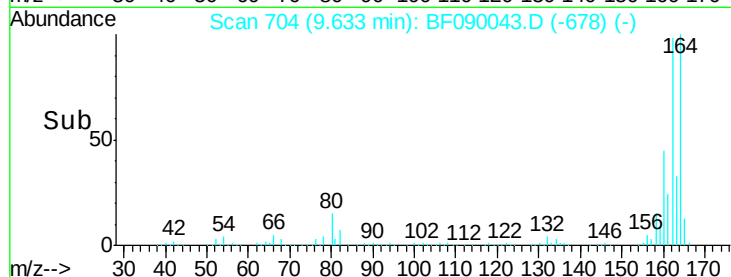
160 44.8 35.3 52.9



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: 10.39 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

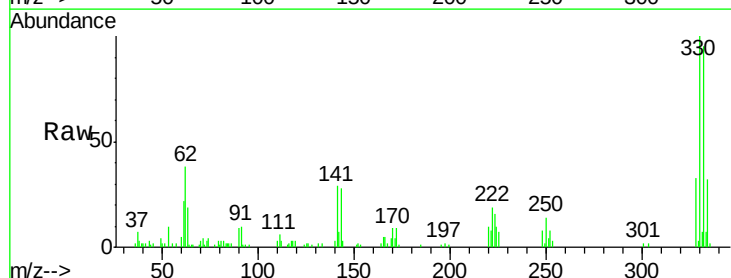
Tgt Ion:330 Resp: 36204

Ion Ratio Lower Upper

330 100

332 96.4 78.6 117.8

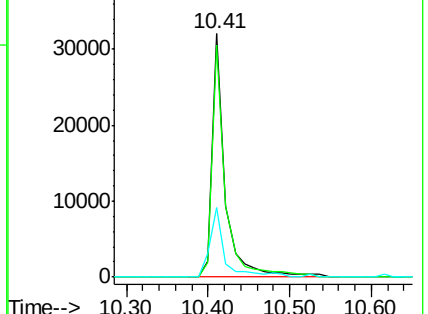
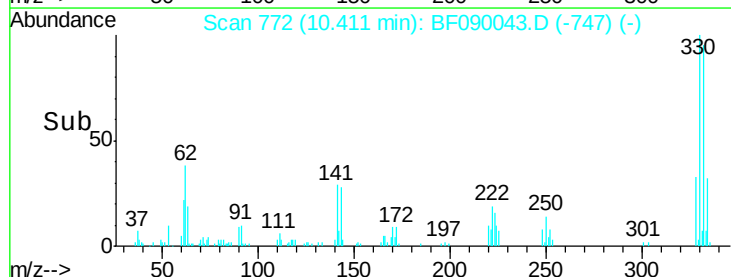
141 32.7 23.3 34.9

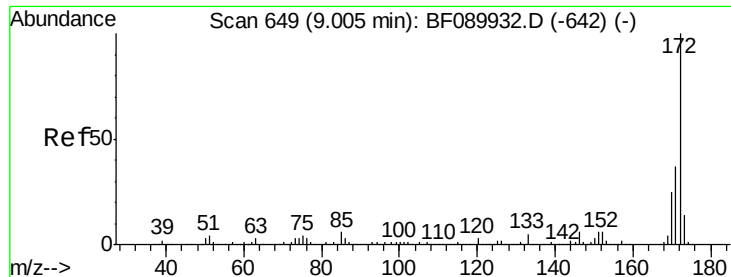


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

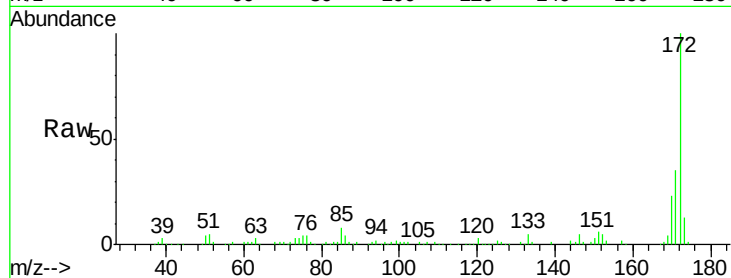




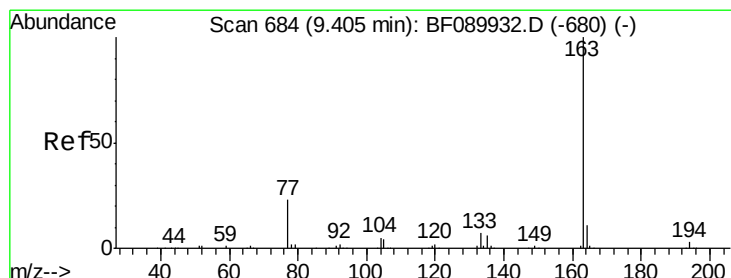
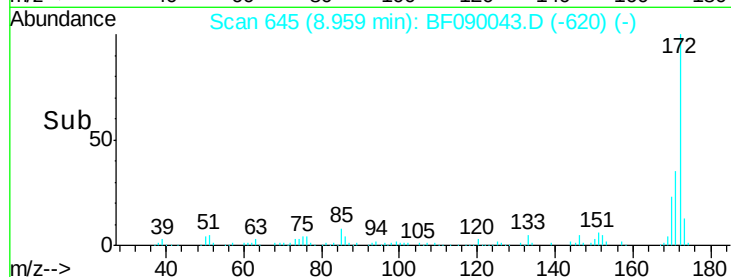
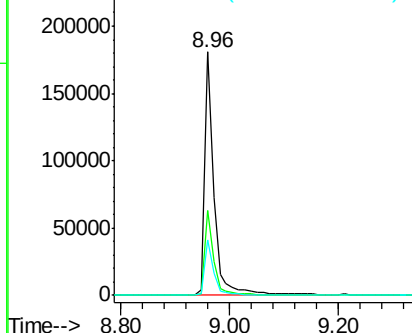
#44  
 2-Fluorobiphenyl  
 Concen: 10.09 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF090043.D  
 Acq: 9 Sep 2016 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-AST3

Tgt Ion:172 Resp: 217112  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 29.4 44.2  
 170 22.6 20.1 30.1

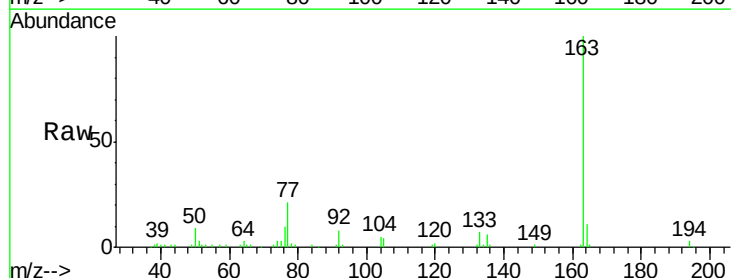


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

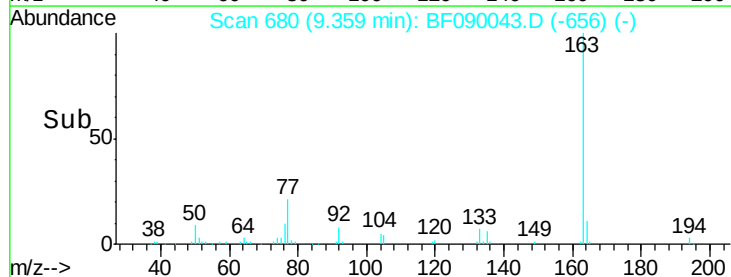
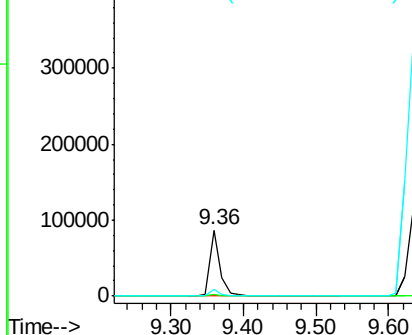


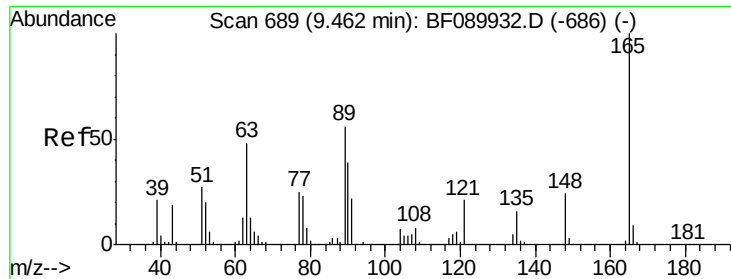
#49  
 Dimethylphthalate  
 Concen: 3.40 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. -0.02 min  
 Lab File: BF090043.D  
 Acq: 9 Sep 2016 00:05

Tgt Ion:163 Resp: 86901  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 2.7 4.1  
 164 10.5 9.0 13.4



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





#50

2,6-Dinitrotoluene

Concen: 8.02 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.19 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Instrument :

BNA\_F

ClientSampled :

SS-AST3

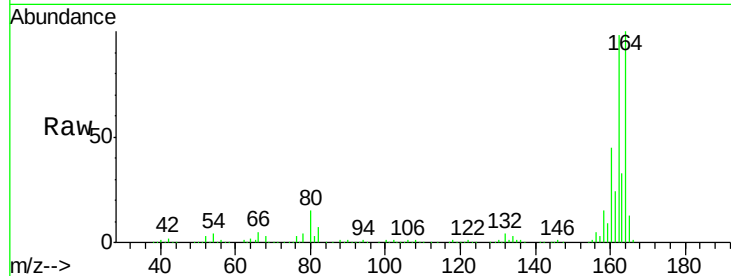
Tgt Ion:165 Resp: 45527

Ion Ratio Lower Upper

165 100

63 1.5 45.0 67.4#

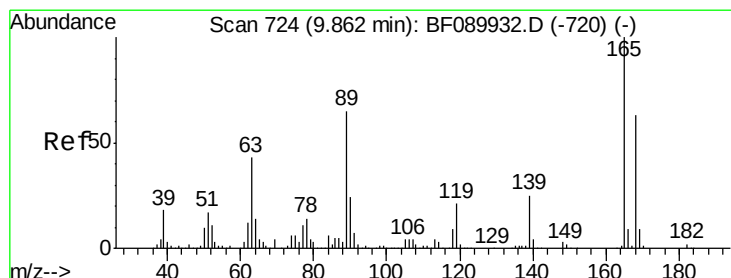
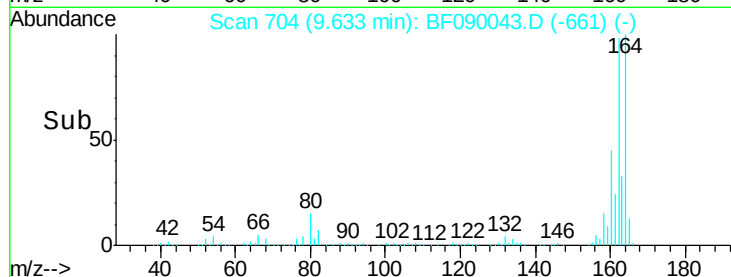
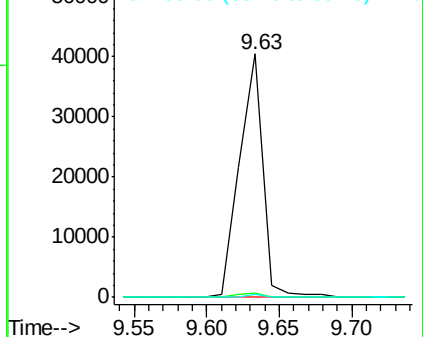
89 1.4 41.5 62.3#



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



#56

2,4-Dinitrotoluene

Concen: 6.32 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.19 min

Lab File: BF090043.D

Acq: 9 Sep 2016 00:05

Tgt Ion:165 Resp: 45522

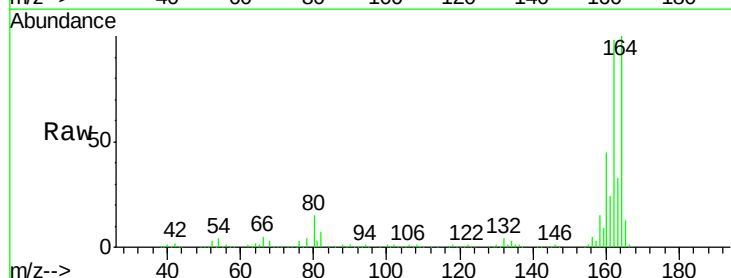
Ion Ratio Lower Upper

165 100

63 1.5 32.5 48.7#

89 1.4 48.3 72.5#

182 0.0 1.7 2.5#

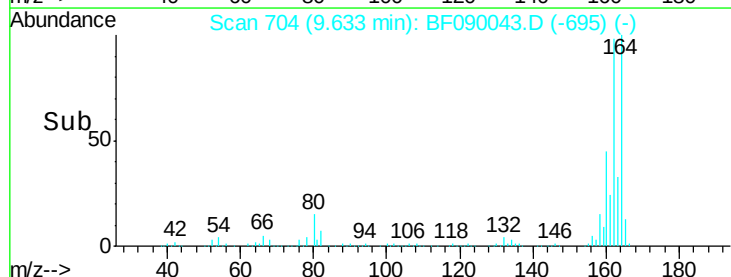
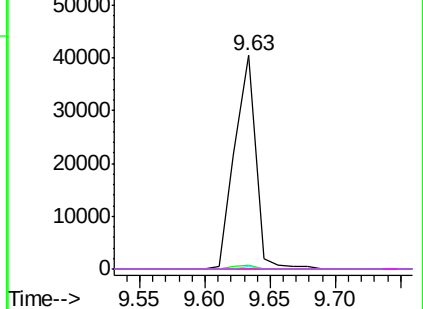


Abundance Ion 165.00 (164.70 to 165.70): E

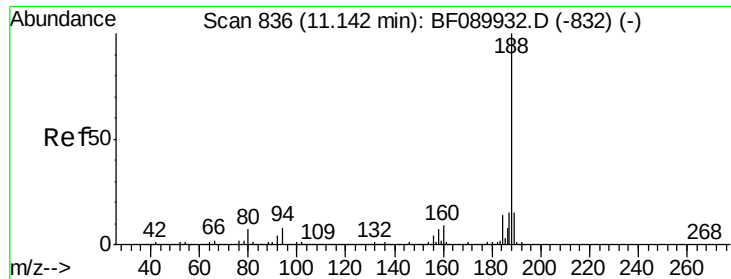
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



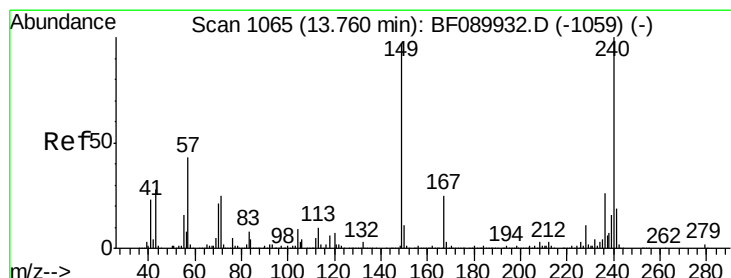
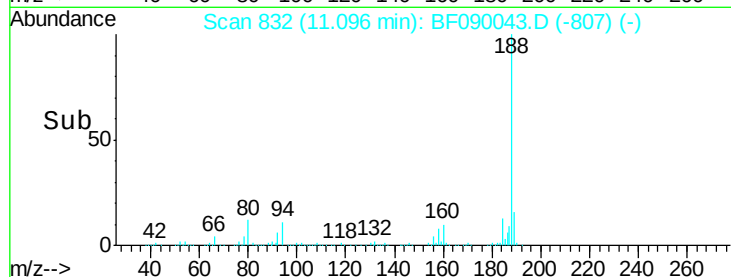
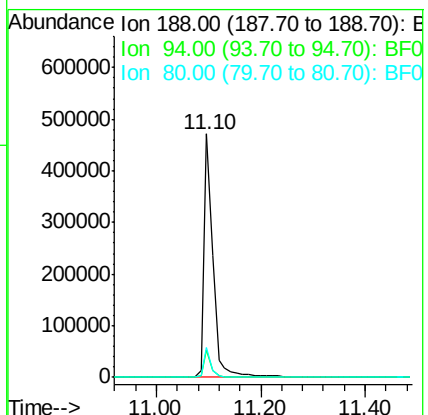
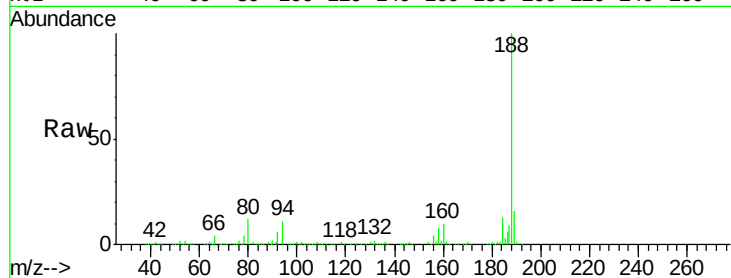




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: BF090043.D  
Acq: 9 Sep 2016 00:05

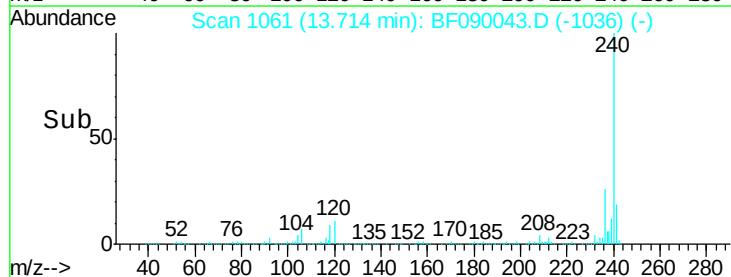
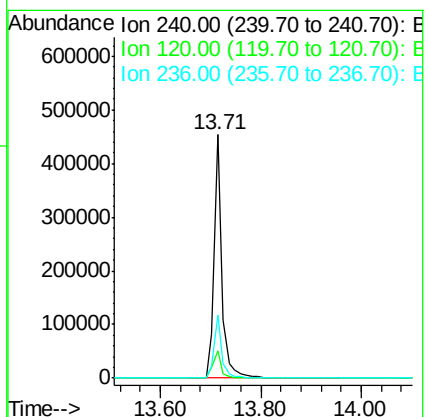
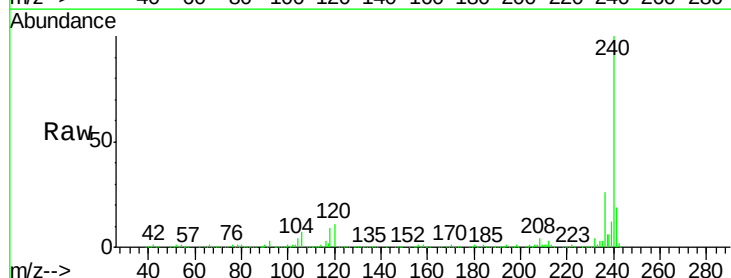
Instrument :  
BNA\_F  
ClientSampleId :  
SS-AST3

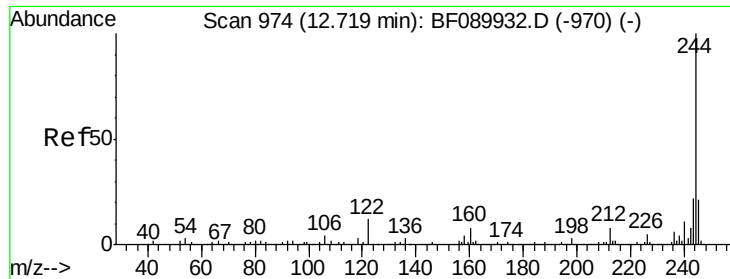
Tgt Ion:188 Resp: 570381  
Ion Ratio Lower Upper  
188 100  
94 11.2 5.9 8.9#  
80 12.3 5.8 8.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.71 min Scan# 1061  
Delta R.T. -0.01 min  
Lab File: BF090043.D  
Acq: 9 Sep 2016 00:05

Tgt Ion:240 Resp: 490691  
Ion Ratio Lower Upper  
240 100  
120 11.3 5.7 8.5#  
236 26.2 21.3 31.9

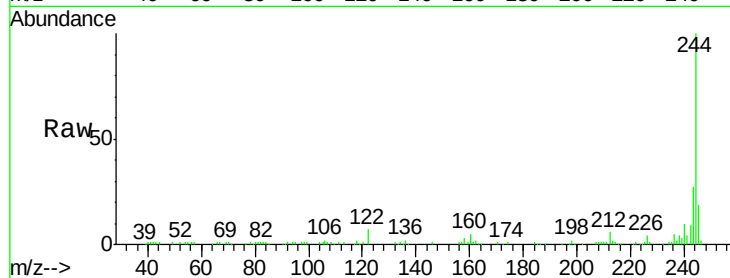




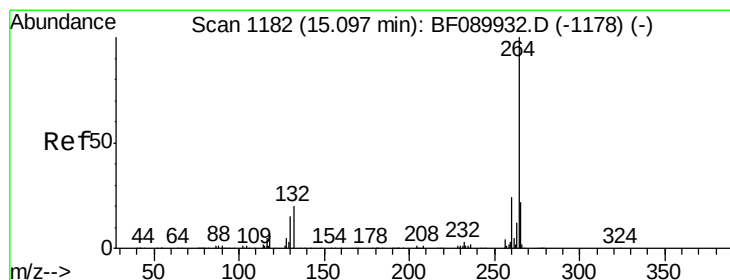
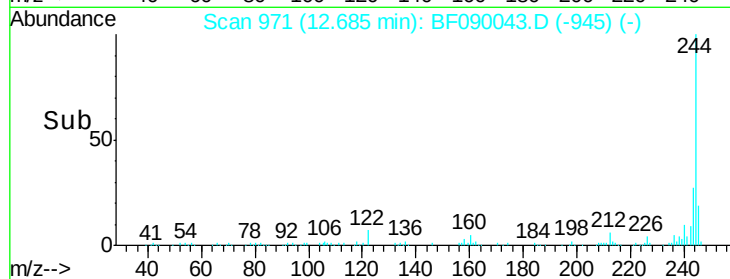
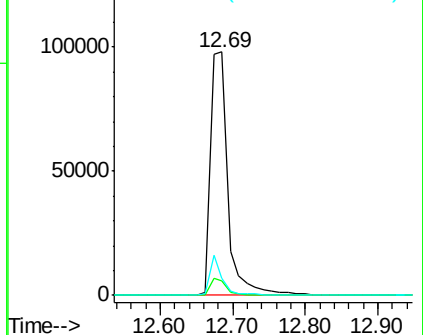
#78  
 Terphenyl-d14  
 Concen: 8.23 ng  
 RT: 12.69 min Scan# 971  
 Delta R.T. 0.00 min  
 Lab File: BF090043.D  
 Acq: 9 Sep 2016 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-AST3

Tgt Ion:244 Resp: 163490  
 Ion Ratio Lower Upper  
 244 100  
 212 6.0 6.1 9.1#  
 122 7.0 9.6 14.4#

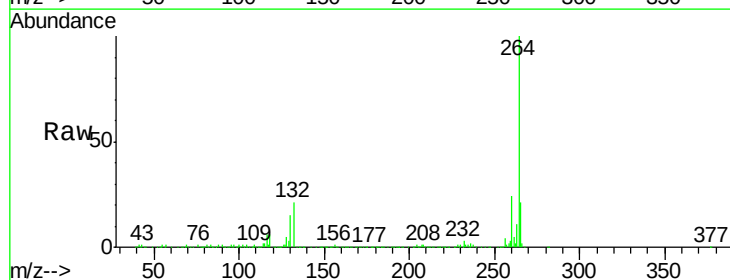


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF090043.D  
 Acq: 9 Sep 2016 00:05

Tgt Ion:264 Resp: 358709  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.0  
 265 21.5 17.4 26.2



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

